ADDENDUM NO. 001 05.16.2024

Project No. 429.11
Buffalo Convention Center Ballroom Renovations

Prepared for: Erie County

Prepared by:

Alessia Randazzo Architectural Resources 505 Franklin Street Buffalo, NY 14202 716.883.5566

The following additions, deletions, and/or changes or clarifications to the drawings, specification, and bidding documents for this project, shall become and are hereby made part of the Contract Documents. They change the original documents only in the manner and to the extent stated. Each bidder shall acknowledge receipt of this Addendum in the appropriate location on the bid proposal form.

This addendum consists of 5 pages and 15 attachments.

General:

1.1 Sign-In Sheet for Project Pre-Bid Walk Through, attached.

Project Manual:

2.1 Refer to Table of Contents and ADD the following drawings:

TA-000 AUDIOVISUAL TITLESHEET

TA-100 AUDIOVISUAL OVERALL PLAN – FIRST FLOOR

TA-200 AUDIOVISUAL OVERALL RCP - FIRST FLOOR

TA-300 AUDIOVISUAL ENLARGED PLAN – BALLROOM RENOVATION

TA-301 AUDIOVISUAL ENLARGED RCP – BALLROOM RENOVATION

TA-400 AUDIOVISUAL ELEVATIONS

TA-500 AUDIOVISUAL RISERS

TA-700 AUDIOVISUAL SYSTEM DIAGRAMS

2.2 Replace section 096813 – Tile Carpeting, Part 2 – Products, section 2.1in entirety with the following:

2.1 CARPET TILE

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on the Drawings, or approved equal by one of the following:

- 1. Interface, LLC
- 2. Bentley Mills
- 3. Shaw Contract Group; a Berkshire Hathaway company.
- 4. Tarkett USA.
- B. Color: As indicated on drawing.
- C. Pattern: As indicated on drawing.
- D. Fiber Content: 100 percent nylon.
- E. Pile Characteristic: Engaged tufted sheared.
- F. Density: 11,045 oz./cu. yd..
- G. Pile Thickness: 0.09 inches for finished carpet tile.
- H. Stitches: 7.5 stitches per inch.
- I. Gage: 1/10 inch.
- J. Tufted Yarn Weight: 27 oz./sq. yd..
- K. Primary Backing/Backcoating: CushionBac Renew.
- L. Size: 9.85 by 39.38 inches.
- M. Applied Treatments:
 - 1. Soil-Resistance Treatment: Manufacturer's standard treatment.
 - 2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
 - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.
- N. Performance Characteristics:
 - 1. Appearance Retention Rating: Heavy traffic, 3.0 minimum according to ASTM D7330.
 - 2. Critical Radiant Flux Classification: Not less than 0.22 W/sq. cm according to NFPA 253.
 - 3. Colorfastness to Light: Not less than 4 after 60 AFU (AATCC fading units) according to AATCC 16, Option E.
 - 4. Electrostatic Propensity: Less than 3.0 kV according to AATCC 134.

2.3 Refer to specification section 274116 Integrated Audiovisual Systems paragraph 1.15 "User Training" (A). REVISE to state:

A. The Contractor shall provide on-the-job training by a suitably qualified instructor, to personnel designated by the Owner, to instruct them in the operation and maintenance of the systems. In the event the Contractor does not have qualified instructors on staff for certain sophisticated equipment, the contractor will provide a manufacturer's representative for such instruction to the owner at no additional cost. All training shall take place after the systems are operational and accepted. There shall be a minimum of 8 hours, of end-user training included in these specification durations to be specified by Owner. Owner is to retain 10% of contract fee until completion of acceptance.

Drawings:

- 3.1 Drawing AD-100:
 - 1. MODIFY keynote D02 Existing grand entry double wood doors **and wood frames** to remain, protect during duration of work, typ.
 - 2. ADD keynote D23 Sand, clean and prep existing metal trim at all door frame openings to receive new finish, throughout entire work area shown outlined, typ.
- 3.2 Drawing AD-110:
 - 1. DELETE Sheet AD-110, issued 5/1/2024.
 - 2. ADD Sheet AD-110, issued 5/16/2024 and contained herein.
- 3.3 Drawing AD-111:
 - 1. DELETE Sheet AD-111, issued 5/1/2024.
 - 2. ADD Sheet AD-111, issued 5/16/2024 and contained herein.
- 3.4 Drawing A-110:
 - 1. DELETE Sheet A-110, issued 5/1/2024.
 - 2. ADD Sheet A-110, issued 5/16/2024 and contained herein.
- 3.5 Drawing A-111:
 - 1. DELETE Sheet A-111, issued 5/1/2024.
 - 2. ADD Sheet A-111, issued 5/16/2024 and contained herein.
- 3.6 Drawing A-800:
 - 1. DELETE Sheet A-800, issued 5/1/2024.
 - 2. ADD Sheet A-800, issued 5/16/2024 and contained herein.
- 3.7 Drawing A-801:
 - 1. DELETE Sheet A-801, issued 5/1/2024.
 - 2. ADD Sheet A-801, issued 5/16/2024 and contained herein.

3.8 Drawing E-001:

- 1. DELETE Sheet E-001, issued 5/1/2024.
- 2. ADD Sheet E-001, issued 5/16/2024 and contained herein.

3.9 Drawing ED-101:

- 1. DELETE Sheet ED-101, issued 5/1/2024.
- 2. ADD Sheet ED-101, issued 5/16/2024 and contained herein.

3.10 Drawing E-101:

- 1. DELETE Sheet E-101, issued 5/1/2024.
- 2. ADD Sheet E-101, issued 5/16/2024 and contained herein.

RFIs / Clarifications:

4.1 Clarification 1

1. Demolition and installation of A/V components, including speakers associated wiring, and equipment shall be the responsibility of the electrical contractor.

4.2 Clarification 2

1. Carpet Backing

Please note the Material Legend calls for an upgrading backing system for the CPT1 – Carpet Tile.

4.3 RFI 1

1. Spec section 260519 states that HCF-MC cable is to be used when acceptable. Is regular MC cable permissible?

Response – DELETE Spec section 260519 in its entirety.

ADD Spec section 260519 contained herein.

- 2. Will any of the ceiling be removed for access for cabling and conduits to the new light fixtures? Access is going to be at a premium and there will be needed many access points to install the needed circuitry.
 - **Response** –Access to ceiling space above existing ceilings is available above existing suspended ceiling clouds. Refer to drawing A-431 for approximate size of existing openings. All cutting/patching not specifically noted on the drawings, but required for completion of Work, shall be the responsibility of each prime contractor.
- Please clarify the EEO requirements for this project.
 Response –Refer to the Project Manual General Conditions section 8.

4.4 RFI 2

1. We are inquiring to see if an asbestos survey has been completed on this location, specifically the acoustical ceiling spray.

Response – There are no materials classified as asbestos-containing material. Sampling and testing was performed and results are contained in "Pre-Renovation Asbestos-Containing Materials, Lead-Based Paint and Exterior PCB

- Containing Materials Inspection Report" produced by Sienna Environmental Technologies on November 13, 2023, contained herein.

4.5 RFI 3

Is there a project budget that can be provided?
 Response – Erie County does not disclose project budget.

End of Addendum No. 001

Buffalo Convention Center Ballroom Renovations

Construction Progress Meeting Project No. 2022-818-02

MEETING ATTENDANCE SHEET

Location: Buffalo Convention Center	Date: 05/7/2024	Time: 10:00PM	Project Name: Ballroom Renovation
Agency: Erie County Dept. of Public Works			A r Project #: 429.11

No.	Name	Representing	E-Mail Address	Telephone
1	James Maurer	Architectural Resources	jmaurer@archres.com	(716) 883-5566
2.	Kelly Wells	Architectural Resources	kwells@archres.com	(716) 883-5566
3.	Alessia Randazzo	Architectural Resources	arandazzo@archres.com	(716) 883-5566
4.	Mule Brogers	Northern Dreams Const.	mikeb@northern Irlam (construction com	116-332-3765
5.	Madorna Hostuttler	Northern Dreams Coust.	madonna @ northern drians Construction run	711 - 327 27/25
6.	JACOB THAMPSON	DRAGHI BURGUS	I thompson@draghibugus	116 550 0778
7.	Davele Herf	Davis-41mer	Jerek hunt & davis Almer, com	116-344-5812
8.	Lloyd Seaborn	LSC	15 L Seaborn & Lake	ide, 7/63105892
9.	JUSTIN JENKINS	BISON SCAFFOLD	justin jenkins@bisonscaffold.	(716) 783-4116
10.	Matthe Farler	OBC	MFarley & Draghi Burgas	
11.			1	
12.				

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3.	Alessia Randazzo	Architectural Resources	arandazzo@archres.com	(716) 883-5566
4.	Susan Libby	Rodriquez	Blibby@rodriguez-cg.com	7168639395
5.	TIN TOPOL	Buffalo Securty fire Av.	Hoper@SuffeloSearlyther	716-480-7008
6.	Tia Topura	frey Electu	Hoprob Galusan tra	7/6-960-7608
7.	Emily Nugert	Huber Construction	enugent@boxhorn.com	714-681-8881
8.	Charlie Khouri	Niagara Coatings	Khourianiagara coating	5.con 716.570-
9.				,,,,,
10.				
11.				
12.				

Buffalo Convention Center Ballroom Renovations

Construction Progress Meeting Project No. 2022-818-02

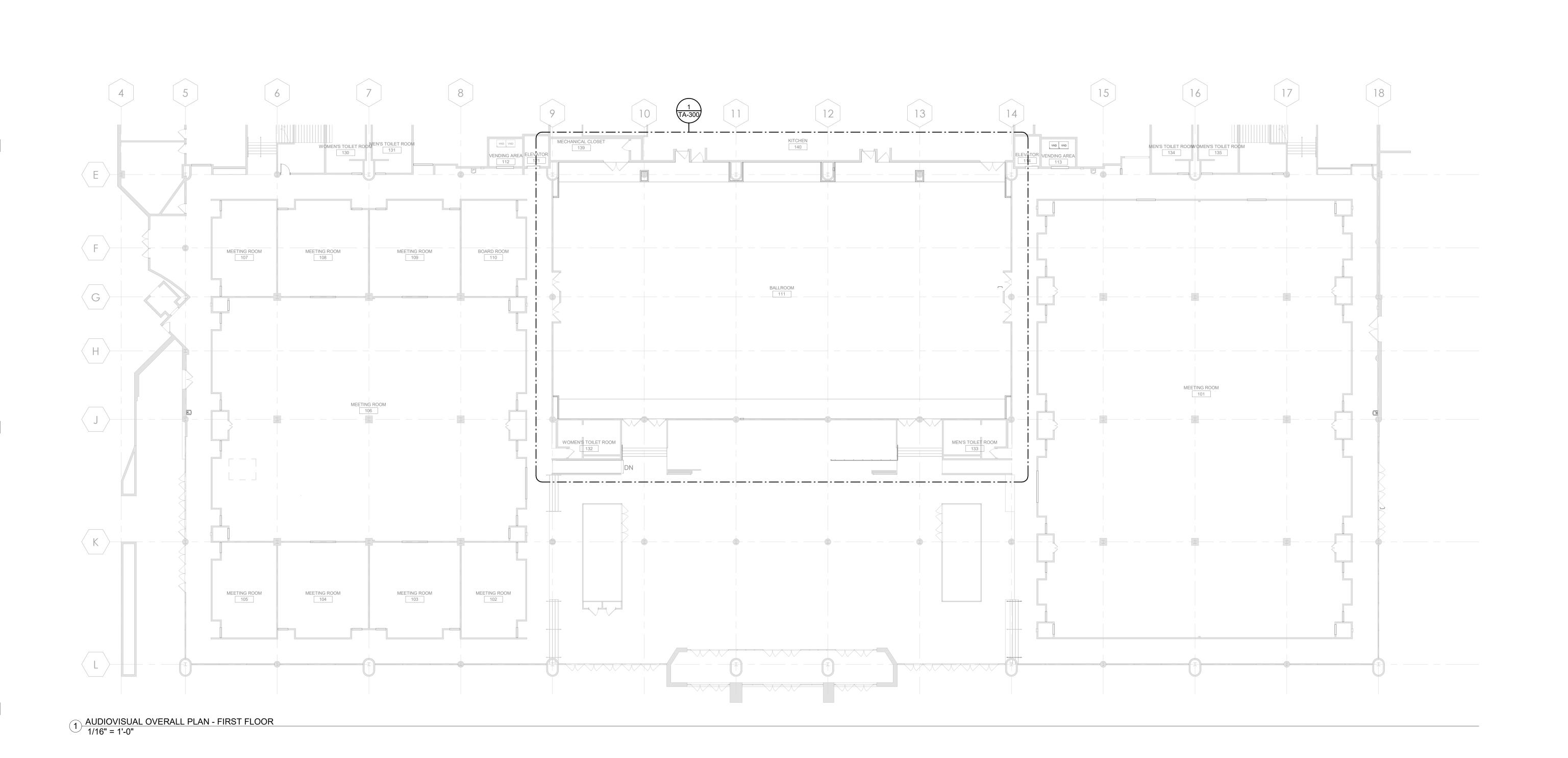
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3.	Alessia Randazzo	Architectural Resources	arandazzo@archres.com	(716) 883-5566
4.	Bill Apple	Danforth	bappler @ Judanforthcon	716-832-1940
5.	Mike Pavolko	(IR Electric	Mparolko @ cir electric.	m 814392+702
6.	Brandon Brone	Metro Env	estimating metropoironmental con	716.285.9280
7.	Tim Biddle	Mader Construction	+ biddle (a) mader con struct. com	716-579-4488
8.				
9.				
10.				
11.				
12.				

DRAWING LIST:	ABBREV	/IATIONS:	GENERAL NOTES:	SYMBOL LEGEND:	
NUMBER NAME TA-000 AUDIOVISUAL TITLESHEET	A AC	AMPERES ABOVE COLINTER	DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE INTENDED TO REPRESENT OVERALL DESIGN INTENT.	DEVICE EQUIPMENT ID REFER TO THE EQUIPMENT SCHEDULE	
TA-100 AUDIOVISUAL OVERALL PLAN - FIRST FLOOR	AFC AFF	ABOVE COUNTER AT FINISHED CEILING ABOVE FINISHED FLOOR	2. POWER AND DATA REQUIREMENTS SHOWN FOR REFERENCE ONLY AND ARE NOT FOR CONSTRUCTION. COORDINATE WITH ELECTRICAL ENGINEER, ARCHITECT AND TELECOM DESIGNER DRAWINGS FOR LOCATION OF ALL OUTLETS IN	DENOTES DEVICE INSTANCE ID	
TA-300 AUDIOVISUAL ENLARGED PLAN - BALLROOM RENOVATION	AFP AS	ABOVE FINISHED PLATFORM OR RAISED FLOOR ABOVE SLAB	THIS DRAWING SET.	XXX## T#A#C#F XX## P##	
TA-301 AUDIOVISUAL ENLARGED RCP - BALLROOM RENOVATION TA-400 AUDIOVISUAL ELEVATIONS	ATS AV	ABOVE TABLE SURFACE AUDIOVISUAL	3. WHERE POWER CIRCUITS ARE SHOWN TERMINATING IN JUNCTION BOXES WITHOUT RECEPTACLES, THE WIRES SHALL BE TAPED AND THE BOXES COVERED. THESE CIRCUITS WILL BE CONNECTED BY OTHERS DURING	TYP	Architectural Resources
TA-500 AUDIOVISUAL RISERS TA-700 AUDIOVISUAL SYSTEM DIAGRAMS	AWG	AMERICAN WIRE GAGE CONDUIT	INSTALLATION OF THE AV SYSTEMS EQUIPMENT. 4. EMPTY CONDUIT RUNS ON THESE DRAWINGS SHOW ONLY INTERCONNECTION BETWEEN TERMINATION POINTS. THE	DEVICE INFRASTRUCTURE REQUIREMENT	505 Franklin St Buffalo, New York 14202
	CAT-3 CAT-5E	TIA/EIA CATEGORY 3 RATED TIA/EIA CATEGORY 5E RATED	EXACT PATH OF CONDUIT IS TO BE DETERMINED BY THE COORDINATE PATHWAYS FOR ALL AV RELATED DEVICES WITH ARCHITECTURAL AND ELECTRICAL PLANS.	REFER TO THE INFRASTRUCTURE SCHEDULE	303 West 13th Street New York, New York 10014
	CAT-6A CAT-6E	TIA/EIA CATEGORY 6A RATED TIA/EIA CATEGORY 6E RATED	5. HIGH LEVEL/HIGH CURRENT FEEDS (SUCH AS FOR POWER DISTRIBUTION PANELS, LIGHTING, AND BRANCH CIRCUITS,)	DEVICE DATA REQUIREMENT REFER TO THE DATA SCHEDULE	716-883-5566 716-883-5569 fax BUFFALO ENGINEERING, P.C.
	CB CCTV	CEILING BOX CLOSED CIRCUIT TELEVISION	ARE NOT TO BE RUN PARALLEL WITH AUDIO/VIDEO CONDUITS OR CABLING. IF HIGH LEVEL/HIGH CURRENT FEEDS MUST RUN PARALLEL TO AUDIO/VIDEO CONDUITS OR CABLING, MINIMUM SEPARATION MUST BE MAINTAINED	NETWORK SYMBOL KEY:	4245 UNION RD SUITE 204 BUFFALO, NY 14225
	CKT COAX CI	CIRCUIT COAXIAL CABLE CENTER LINE	ACCORDING TO THE FOLLOWING TABLE. "NA" INDICATES THAT THE USE SHOULD BE AVOIDED. SPACINGS ASSUME THAT POWER CONDUCTORS WILL NOT BE TWISTED PAIRS. CLOSER SPACINGS CAN BE USED IF POWER CONDUCTORS ARE TWISTED PAIRS.	LETTER DESCRIPTION DESTINATION CABLE TYPE	PHONE:716-633-5300
	COND CLG	CONDUCTOR CEILING	CONDUCTORE TWICTED I MIRE.	T CLIENT NETWORK DATA REFER TO TT DRAWINGS REFER TO TT DRAWINGS	FAX: 716-633-5598
	CP CU	CONSOLIDATION POINT COPPER		A AV NETWORK DATA NEAREST AV RACK ROOM REFER TO NETWORK SCHEDULE C CABLE TV DROP REFER TO TT DRAWINGS CATV, REFER TO TT DRAWINGS	
	DVR DWG	DIGITAL VIDEO RECORDER DRAWING	MINIMUM ACCEPTABLE DISTANCE BETWEEN PARALLEL AV AND POWER CONDUITS	F CLIENT NETWORK FIBER REFER TO TT DRAWINGS REFER TO TT DRAWINGS	
	EC	CONDUCTOR	COMBINED AMPACITY OF ALL PHASE CONDUCTORS IN		
	EM EMT	EMERGENCY ELECTRICAL METALLIC TUBING (W/ PULL STRING	AV CONDUIT POWER CONDUIT CONDUIT	ROOM READY:	SM&W
	EC EX	EMPTY CONDUIT EXISTING	UNDER 60A 60A 120A 240A 400A	PLEASE FIND THE BELOW GUIDE TO REVIEW THE CONDITION OF THE AV CONFERENCE ROOMS PRIOR TO DELIVERY AND INSTALLATION OF THE MULTIMEDIA SYSTEMS. THE MULTIMEDIA SYSTEMS ARE DELIVERED AFTER THE ROOMS ARE 'READY' TO	275 MADISON AVENUE NEW YORK, NY 10016
	F/UTP	FOILED/UNSHIELDED TWISTED PAIR FIRE ALARM	EMT EMT 2 FT. 3 FT. 4 FT. NA NA	ENSURE A PROPER AND SECURE INSTALLATION OF THE MULTIMEDIA EQUIPMENT.	PHONE: 212-725-6800
	FACP FB	FIRE ALARM CONTROL PANEL FLOOR BOX	EMT RIGID STEEL 4 IN. 8 IN. 1 FT. 2 FT. 4 FT.	ALL CONSTRUCTION IN THE CONFERENCE ROOM IS COMPLETE, INCLUDING: A. ALL ASSOCIATED ROOMS ARE FREE OF DEBRIS AND IS CLEAN B. ALL WALLS ARE COMPLETE WITH ANY BLOCKING, FABRIC WALL COVERINGS OR PAINT AS REQUIRED	
	FO FP	FIBER OPTIC FLAT PANEL	RIGID STEEL RIGID STEEL 1 IN. 2 IN. 4 IN. 8 IN. 16 IN.	C. CEILINGS ARE COMPLETE WITH ANY BLOCKING, FABRIC WALL COVERINGS OR PAINT AS REQUIRED D. FLOOR FINISHES/CARPET IS INSTALLED	C
	GND	GROUND		E. ALL DOORS ARE INSTALLED AND KEYS/LOCKS PROVIDED F. ALL LIGHTING IS INSTALLED AND PROGRAMMED, IF CONTROLLABLE	SM&W
	HC H7	HUNG CEILING HERTZ	6. NO LARGE POWER TRANSFORMERS OR MOTORS SHOULD BE LOCATED WITHIN 50 FEET OF AV EQUIPMENT SPACES.	2 ALL ELECTRICAL WORK RELATED TO THE AV SYSTEM IS COMPLETE, INCLUDING:	
	ID	INSIDE DIAMETER	7. ALL AV CABLING THAT IS RUN OPEN-WIRE SHALL BE SUPPORTED FROM J-HOOKS NO GREATER THAN 3 FEET APART. NO CABLE IS TO BE UNSUPPORTED OR LAID OVER CEILING TILES, BLACK IRON, OR OTHER CEILING MEMBERS.	A. INSTALLATION OF ALL CONDUIT, FLOOR BOXES, PULL BOXES, WIRE WAYS, ETC. B. INSTALLATION OF ALL 120V CIRCUITS IS COMPLETE C. INSTALLATION OF ALL TABLE AND FURNITURE RELATED POWER AND PULL BOXES ARE COMPLETE	
	IDF	INTERMEDIATE DISTRIBUTION FRAME	8. THE METHOD OF INSTALLATION OF BOXES IN WALLS, AND THE METHOD OF PASSAGE OF CONDUITS AND WIREWAYS	3. ALL WINDOW TREATMENTS ARE INSTALLED AND PROGRAMMED, IF CONTROLLABLE	
	LAN LV	LOCAL AREA NETWORK LOW VOLTAGE	THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT.	4 ALL PHONE, BRI, LAN CONNECTIONS ARE LIVE AND CHANNEL TESTED	~
	MAX MER	MAXIMUM MECHANICAL EQUIPMENT ROOM	9. INSTALL FIRESTOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF CABLE AND CONDUIT AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL. REVIEW ARCHITECT'S PLANS FOR PARTITION TYPES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FIRE RATING OF ALL WALLS AND FLOORS	A. ALL CABLES AND BOXES MUST BE LABELED AND MATCH MULTIMEDIA TELECOM SHEET B. ALL LAN CONNECTIONS MUST BE TESTED AND CONFIGURED PER THE MULTIMEDIA TELECOM SHEET	TER
	MC MIC	MAIN CROSS CONNECT MICROPHONE	HAVING CABLING PENETRATIONS, COORDINATE SEALANT INSTALLATION WITH WORK OF OTHER TRADES. REFER TO ELECTRICAL SPECIFICATIONS FOR MATERIAL AND INSTALLATION PARAMETERS.	5. THE CONFERENCE ROOM TABLE AND CREDENZA ARE INSTALLED AND CUTOUTS FOR VENTILATION CONFIRMED	
	MDF MH MIN	MAIN DISTRIBUTION FRAME MANHOLE MINIMUM	10. ALL POWER, WIREWAYS, AND JUNCTION BOXES ARE TO BE REVIEWED BY ELECTRICAL ENGINEER FOR CODE AND	NOTE: PROJECT SPECIFIC 'ROOM READY' IS A MINIMUM OF 4-6 WEEKS PRIOR TO EXPECTED SYSTEM OPERATION DATES.	S S
RESOL	MM MTD	MULTIMODE MOUNTED	SAFETY COMPLIANCE.		
JRAL I	MTER	MAIN TELECOMMUNICATIONS EQUIPMENT ROOM	11. ALL OVERHEAD RIGGING REQUIREMENTS ARE TO BE REVIEWED AND STAMPED FOR APPROVAL BY LICENSED STRUCTURAL ENGINEER FOR CODE AND SAFETY COMPLIANCE.		NO
TECT	N NC	NEUTRAL NORMALLY CLOSED	12. POWER BREAKER AND DISTRIBUTION PANELS ARE SIZED AND SPECIFIED BY THE ELECTRICAL ENGINEER.		Z Z
ARCH	NIC NID	NOT IN CONTRACT NETWORK INTERFACE DEVICE NOT TO SCALE	13. ALL CABLE TRAY THAT IS SURFACE-MOUNTED ON SLAB BELOW RAISED FLOOR OR ABOVE EQUIPMENT RACKS SHALL BE SECURELY FASTENED AND LEFT OPEN FOR CABLE ACCESS.		
GH1 A	NO NO.	NOT TO SCALE NORMALLY OPEN NUMBER	14. POWER FOR AV AND RELATED SYSTEMS SHALL USE AN EIA/TIA 607 COMPLIANT GROUNDING SYSTEM, DESIGNED BY THE ELECTRICAL ENGINEER. REFER TO AV DETAIL SHEETS FOR ADDITIONAL GROUNDING REQUIREMENTS IF		> Z
	OD	OUTSIDE DIAMETER	APPLICABLE.		N E
ŭ G	OFE OSP	OWNER FURNISHED EQUIPMENT OUTSIDE PLANT	15. ALL AV-RELATED EMPTY CONDUIT SHALL BE REAMED, CLEANED, CAPPED (WHERE APPROPRIATE), TAGGED, AND FURNISHED WITH PULL WIRES.		∀ ∀ ∀ ∀ ∀ O O O O O O O O O O
DE NOTE OF THE PROPERTY OF THE	PA PP	PUBLIC ADDRESS PATCH PANEL	16. WHERE EXACT DIMENSIONS ARE NOT INDICATED, THE SCALE OF THIS DRAWING IS NOT SUFFICIENTLY ACCURATE		O O
ST SR	PB PR	PULLBOX PAIR	FOR DETERMINING THE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIREWAYS, PANELS, ETC. WHERE EXACT DIMENSIONS ARE INDICATED, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACOUSTICAL TREATMENT. ROOM DIMENSIONS ON THE DRAWINGS HAVE BEEN TAKEN FROM		1 - 0 5 5 7 1
NGH RICH	PBX PNL	PRIVATE BRANCH EXCHANGE PANEL	PRELIMINARY ARCHITECTURAL DRAWINGS. ALL DIMENSIONS MUST BE VERIFIED AND ANY DEVIATIONS CAUSING CHANGES MUST BE COORDINATED WITH SHEN MILSOM & WILKE, LLC.		FA LRC
Y ALL	POE PRJ PTZ	POWER OVER ETHERNET PROJECTOR PAN/TILT/ZOOM	17. NOTIFY OWNER'S REPRESENTATIVES OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE AV		UF AL AL SIE C SIS FR JIFFA
	RM	ROOM	DRAWINGS. OBTAIN CLARIFICATION BEFORE PROCEEDING WITH WORK. 18. ALL AV DEVICES SHALL BE SECURELY MOUNTED PLUMB AND STRAIGHT TO WALLS, FLOORS, OR RACKS PER THE		B 155
	RW	RACEWAY	MANUFACTURER'S RECOMMENDED MOUNTING PRACTICE.		SEAL
SSSTA E	SC SB	SCREW COVER BOX SPEAKER BACK BOX	19. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100' OF STRAIGHT EMPTY AV-RELATED CONDUIT AND ONE PULL BOX WHERE THERE ARE MORE THAN TWO 90° BENDS OR LESSER BENDS TOTALING 180° IN A CONDUIT RUN.		
A P R P R P R P R P R P R P R P R P R P	SM SP ST	SINGLE MODE SPEAKER STRAND	20. MAINTAIN MINIMUM BEND RADIUS OF 10X OD FOR ALL AV-RELATED CONDUITS.		PROGRESS DRAWINGS
0. 8. 1. <td>STP</td> <td>SHIELDED TWISTED PAIR</td> <td>21. LIGHTING DESIGNER TO PROVIDE LIGHTING ON A SEPARATE DIMMING ZONE AT THE SCREEN/DISPLAY DEVICE TO ENSURE GOOD CONTRAST AND IMAGE SHARPNESS.</td> <td></td> <td>NOT FOR</td>	STP	SHIELDED TWISTED PAIR	21. LIGHTING DESIGNER TO PROVIDE LIGHTING ON A SEPARATE DIMMING ZONE AT THE SCREEN/DISPLAY DEVICE TO ENSURE GOOD CONTRAST AND IMAGE SHARPNESS.		NOT FOR
	TBD TEMP	TO BE DETERMINED TEMPORARY TELECOMMUNICATIONS CROLIND BAR	22. AV CONTRACTOR SHALL RESTORE CEILINGS, WALLS AND ANY OTHER SURFACES AFFECTED BY THEIR WORK PRIOR		CONSTRUCTION
OURC	TGB TR TS	TELECOMMUNICATIONS GROUND BAR TELECOMMUNICATIONS ROOM TAMPER SWITCH	TO COMPLETION OF WORK WITH LIKE MATERIALS TO MATCH EXISTING CONSTRUCTION.		
THE RES	TSER TV	TELECOMMUNICATIONS SERVICE ENTRANCE ROOM TELEVISION	 23. REFER TO AV ELECTRICAL PLANS AND/OR RISER DIAGRAMS FOR EMPTY CONDUIT SIZING. 24. ALL POWER CIRCUITS INDICATED IN THIS DRAWING SET TO BE PROVIDED BY DEDICATED BREAKER PANEL(S). NO 		
CTURA	TYP	TYPICAL	NON-AV CIRCUITS TO BE FED FROM DEDICATED AV BREAKER PANEL(S).		BALLROOM
	UON UPS UTP	UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR	25. POWER FOR ALL AV SERVICES IN EACH DESIGNATED SPACE SHALL BE ON THE SAME ELECTRICAL PHASE, AND THIS PHASE SHALL NOT INCLUDE MOTORS, APPLIANCES, OR ANY OTHER SOURCE THAT CAN CAUSE SIGNAL		J. ILLINOSINI
F ARC	VA	VOLT/AMPERES	INTERFERENCE. 26. GROUNDING: GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH ANSI/TIA/EIA-807		
	VIF VM	VERIFY IN FIELD VOLTMETER	26. GROUNDING: GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH ANSI/TIA/EIA-80/ GROUNDING STANDARDS AND APPLICABLE NEC REQUIREMENTS EXCEPT WHERE DRAWINGS OR SPECIFICATIONS EXCEED NEC REQUIREMENTS. ALL RACKS, METALLIC BACKBOARDS, CABLE SHEATHS, CABLE TRAYS, ETC. ENTERING		
ON O	VOIP VP	VOICE OVER INTERNET PROTOCOL VAPOR PROOF	OR RESIDING IN TECHNICAL EQUIPMENT SPACES SHALL BE GROUNDED TO THEIR RESPECTIVE GROUND SYSTEM USING A MINIMUM OF #6 AWG STRANDED COPPER BONDING CONDUCTOR AND COMPRESSOR CONNECTORS. ALL		
	W WAN	WATTS WIDE AREA NETWORK	WIRES USED FOR TECHNICAL POWER SYSTEMS GROUNDING PURPOSES SHALL BE IDENTIFIED WITH GREEN INSULATION OR IDENTIFIED AT EACH TERMINATION POINT WITH A WRAP OF GREEN TAPE. ALL CABLES AND BUS BARS		100% CONSTRUCTION DOCUMENTS
WRIT	WAP WM	WIRELESS ACCESS POINT WIRE MANAGEMENT	SHALL BE IDENTIFIED AND LABELED "TECHNICAL POWER SYSTEM GROUND". CONDUIT STUBS: PROVIDE NYLON BUSHING ON ALL CONDUIT STUBS AND NON-TERMINATING CONDUIT ENDS TO PROTECT WIRE PULLS.		
<u> </u>	WP WS	WATERPROOF WORKSTATION	27. JUNCTION BOX COVERS: UNLESS OTHERWISE NOTED, ALL JUNCTION BOXES MUST BE PROVIDED WITH A COVER. WHERE RAISED DEVICE COVERS ARE SPECIFIED, MATCH COVER DEPTH TO WALL THICKNESS. WHERE JUNCTION		4/29/2024 REVISIONS
전 <u> </u> 	WT	WATER TIGHT WIREWAY	BOXES ARE MOUNTED AT OR ABOVE FINISHED CEILING HEIGHT, INSTALL JUNCTION BOXES WITH OPEN SIDE FACING DOWN.		NO. DECRIPTION DATE
≥	XFRM	TRANSFORMER	28. POWER RECEPTACLES: TECHNICAL POWER RECEPTACLES, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES,		
YATA			OR CEILING BOXES, SHALL BE PROVIDED BY THE BUILDING CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. TECHNICAL POWER RECEPTACLES IN RELATION TO TECHNOLOGY INFRASTRUCTURE IS CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.		
			29. NETWORK OUTLETS FOR AUDIOVISUAL SYSTEMS: ALL NETWORK OUTLETS SHALL APPEAR ON THE NETWORK		
三 E			DRAWINGS. NETWORK SERVICES APPEARING ON THE AUDIOVISUAL DRAWINGS ARE REPRESENTATIVE OF NETWORK CONNECTIVITY REQUIREMENTS IN SUPPORT OF AUDIOVISUAL SYSTEMS, AS THE LOCATION OF NETWORK SERVICES		
			IN RELATION TO TECHNOLOGY INFRASTRUCTURE IS CRITICAL. REFER TO THE STRUCTURED CABLING SYSTEM SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.		AUDIOVISUAL
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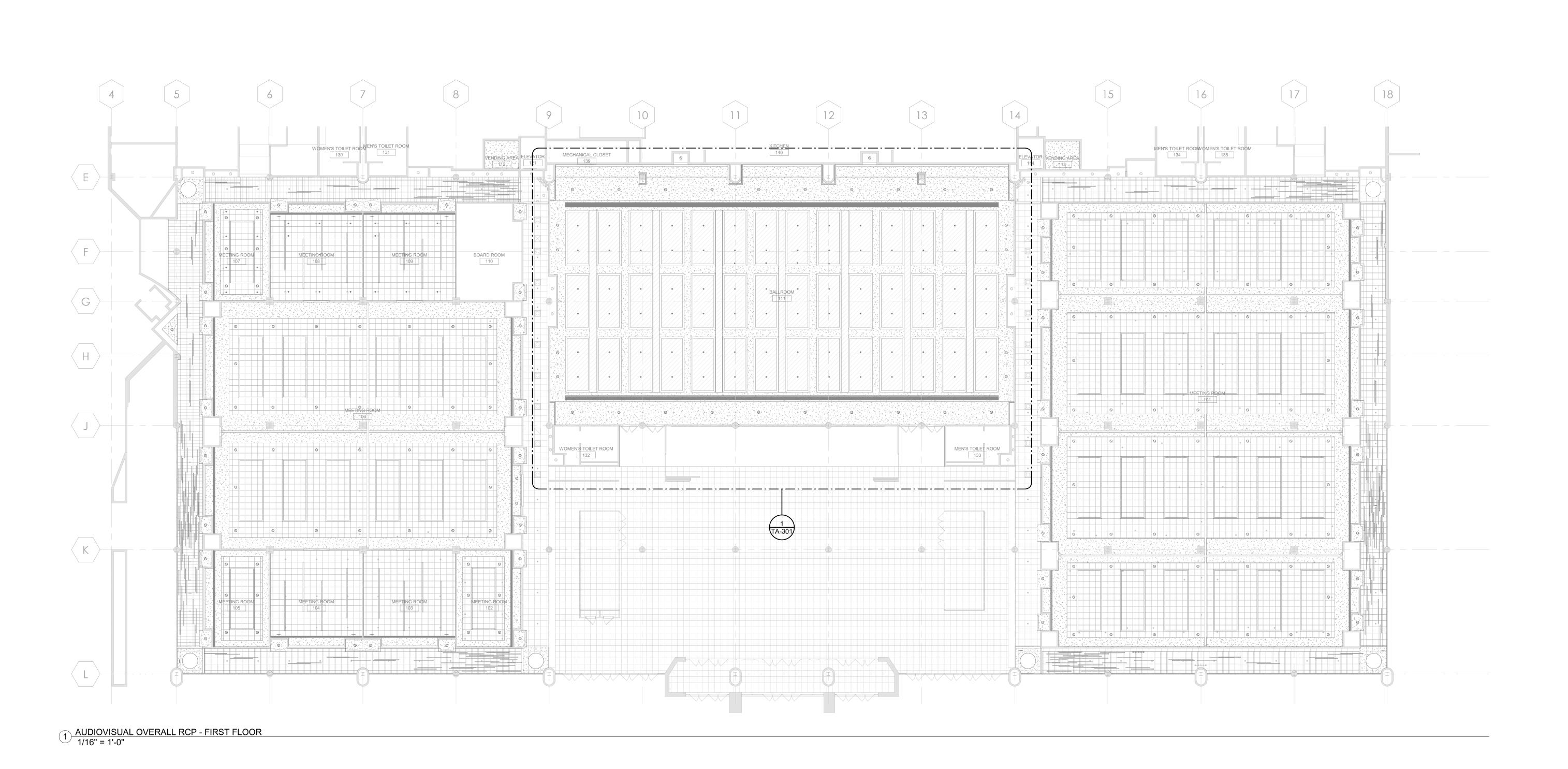
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AUDIOVISUAL OVERALL PLAN -FIRST FLOOR



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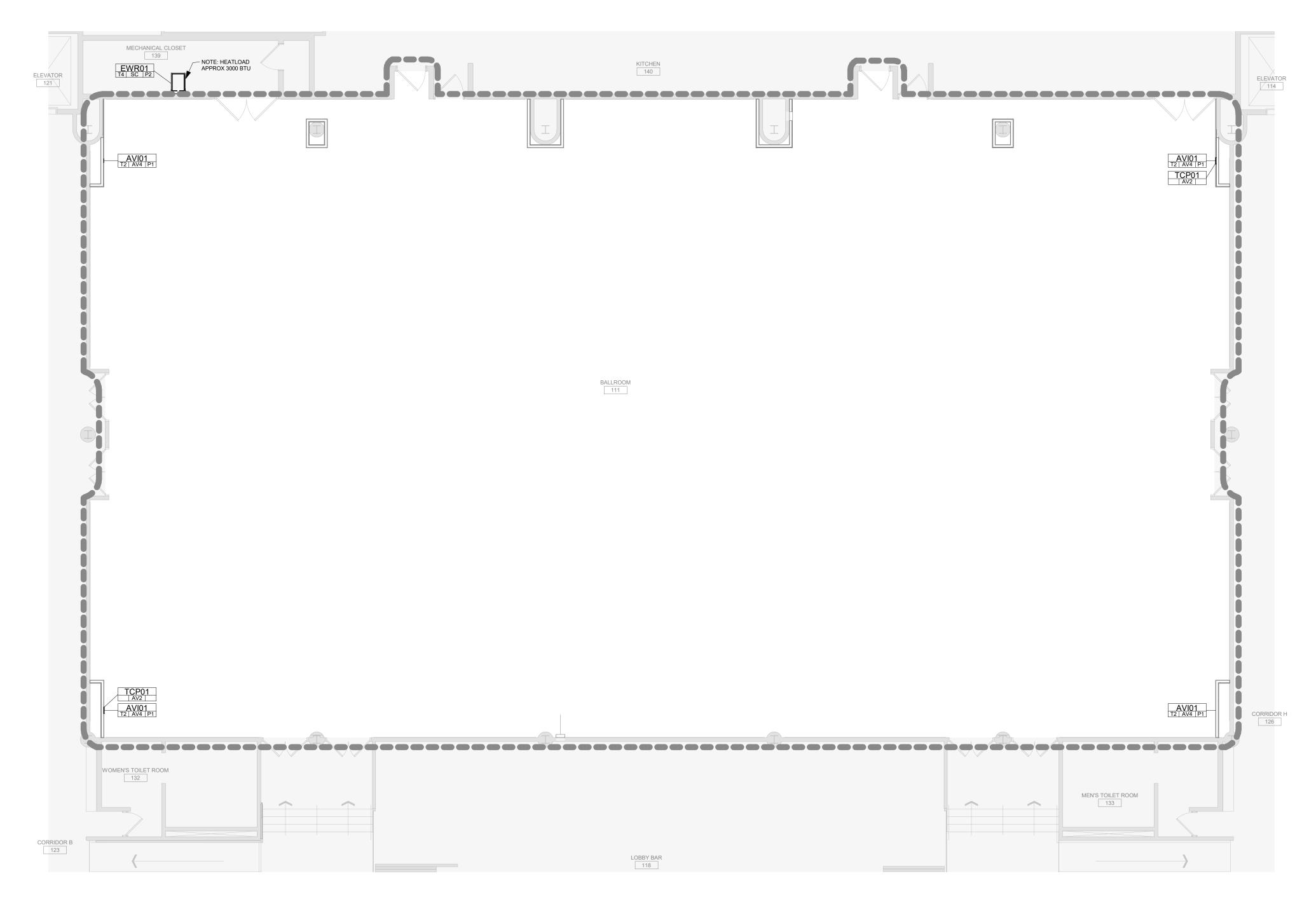
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AUDIOVISUAL OVERALL RCP - FIRST FLOOR



1/8" = 1'-0"

AUDIOVISUAL ENLARGED PLAN - BALLROOM RENOVATION
1/8" = 1'-0"

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AUD	IOVISUAL EQUIPMENT SCHEDULE
DEVICE ID	TYPE
ANT01	WIRELESS MIC ANTENNA - CEILING
AVI01	AV INPUT PLATE
EWR01	WALL MOUNTED EQUIPMENT RACK
001/04	DECECCED OF INC ODE ALCED

TCP01

	INFRASTRUCTURE SCHEDULE
TAG#	TYPE
AV2	2-GANG BOX
AV4	4-GANG BOX
SC	SCREW COVER BOX - SIZED BY E.C.

	NETWORK SCHEDULE
TAG#	TYPE
T2	2 PORT NETWORK LOCATION - UTILIZE EXISTING IF AVAILABLE
T4	4 PORT NETWORK LOCATION

	POWER SCHEDULE
TAG#	TYPE
P1	DUPLEX 120V/20A RECEPTACLE - UTILIZE EXISTING IF AVAILABLE
P2	DUPLEX 120V/20A RECEPTACLE - DEDICATED CIRCUIT



RECESSED CEILING SPEAKER

WALL MOUNTED CONTROL PANEL

	INFRASTRUCTURE SCHEDULE
TAG#	TYPE
AV2	2-GANG BOX
AV2 AV4	2-GANG BOX 4-GANG BOX

	NETWORK SCHEDULE
TAG#	TYPE
T2	2 PORT NETWORK LOCATION - UTILIZE EXISTING IF AVAILABLE
TΛ	4 DORT NETWORK LOCATION

	POWER SCHEDULE
TAG#	TYPE
P1	DUPLEX 120V/20A RECEPTACLE - UTILIZE EXISTING IF AVAILABLE
P2	DUPLEX 120V/20A RECEPTACLE - DEDICATED CIRCUIT



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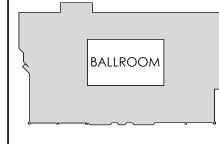


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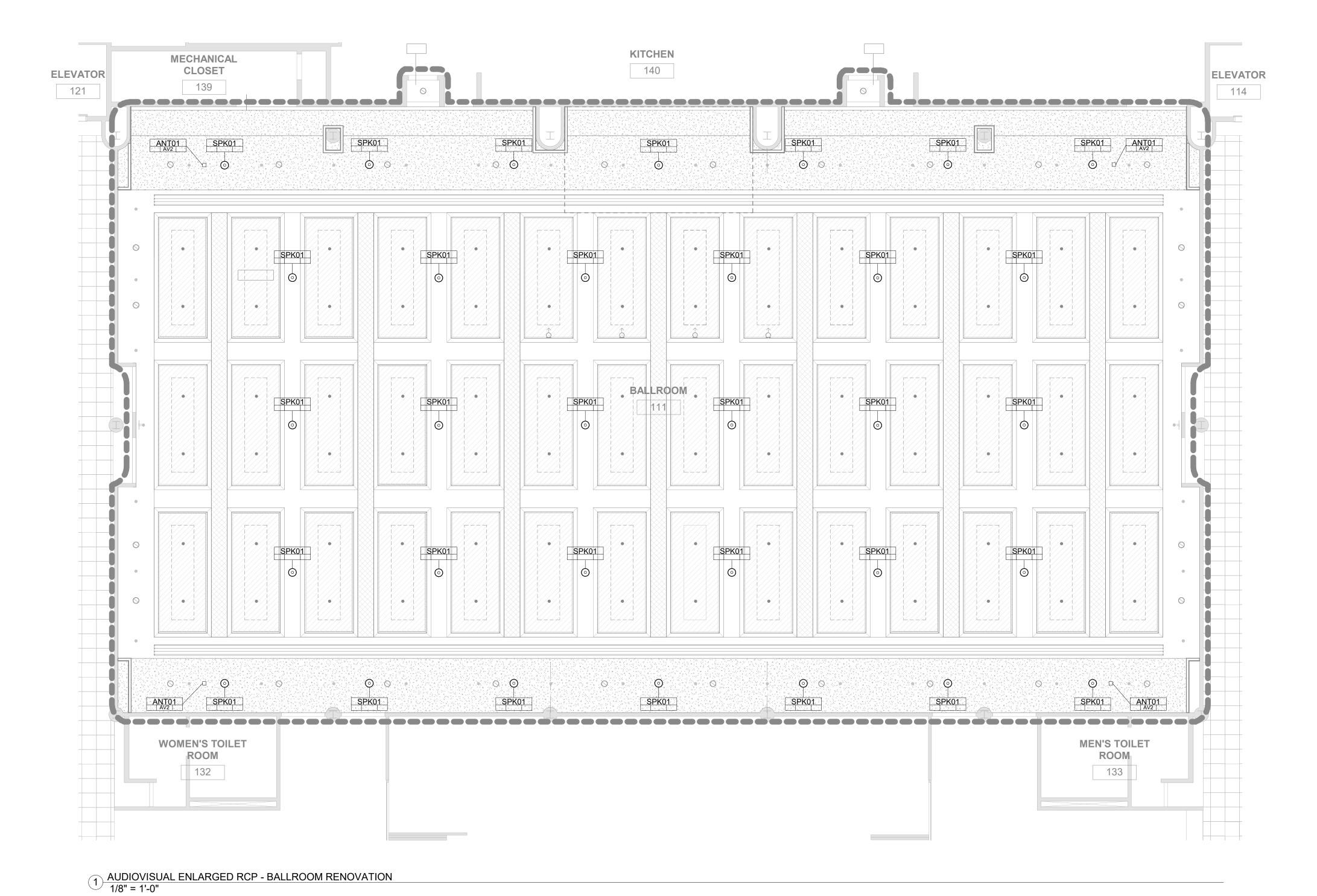


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AUDIOVISUAL ENLARGED PLAN -BALLROOM RENOVATION



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AUDIOVISUAL EQUIPMENT SCHEDULE DEVICE ID **TYPE** ANT01 WIRELESS MIC ANTENNA - CEILING AVI01 AV INPUT PLATE EWR01 WALL MOUNTED EQUIPMENT RACK SPK01 RECESSED CEILING SPEAKER WALL MOUNTED CONTROL PANEL TCP01

	NETWORK SCHEDULE
TAG#	TYPE
T2	2 PORT NETWORK LOCATION - UTILIZE EXISTING IF AVAILABLE
T4	4 PORT NETWORK LOCATION

1 OWER GOILEBOLE				
TAG#	TYPE			
P1	DUPLEX 120V/20A RECEPTACLE - UTILIZE EXISTING IF AVAILABLE			
P2	DUPLEX 120V/20A RECEPTACLE - DEDICATED CIRCUIT			

	INFRASTRUCTURE SCHEDULE
TAG#	TYPE
AV2	2-GANG BOX
AV2 AV4	2-GANG BOX 4-GANG BOX

POWER SCHEDULE				
TAG#	TYPE			
P1	DUPLEX 120V/20A RECEPTACLE - UTILIZE EXISTING IF AVAILABLE			
P2	DUPLEX 120V/20A RECEPTACLE - DEDICATED CIRCUIT			



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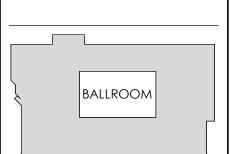


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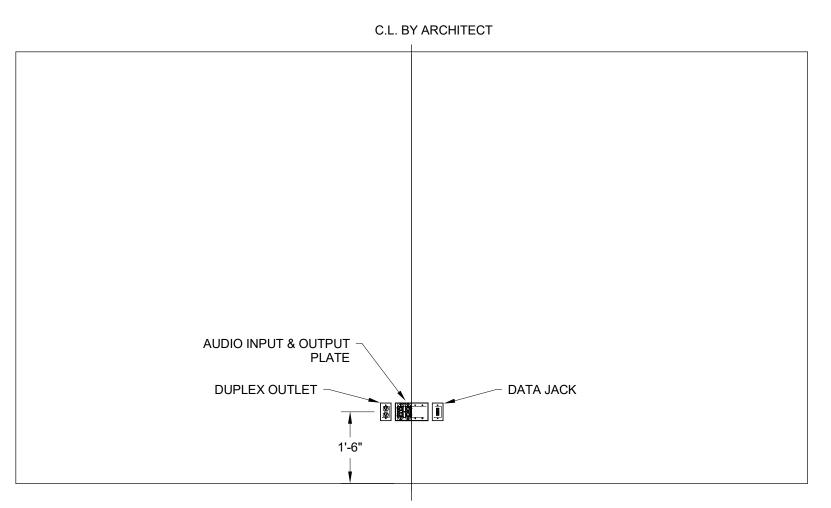
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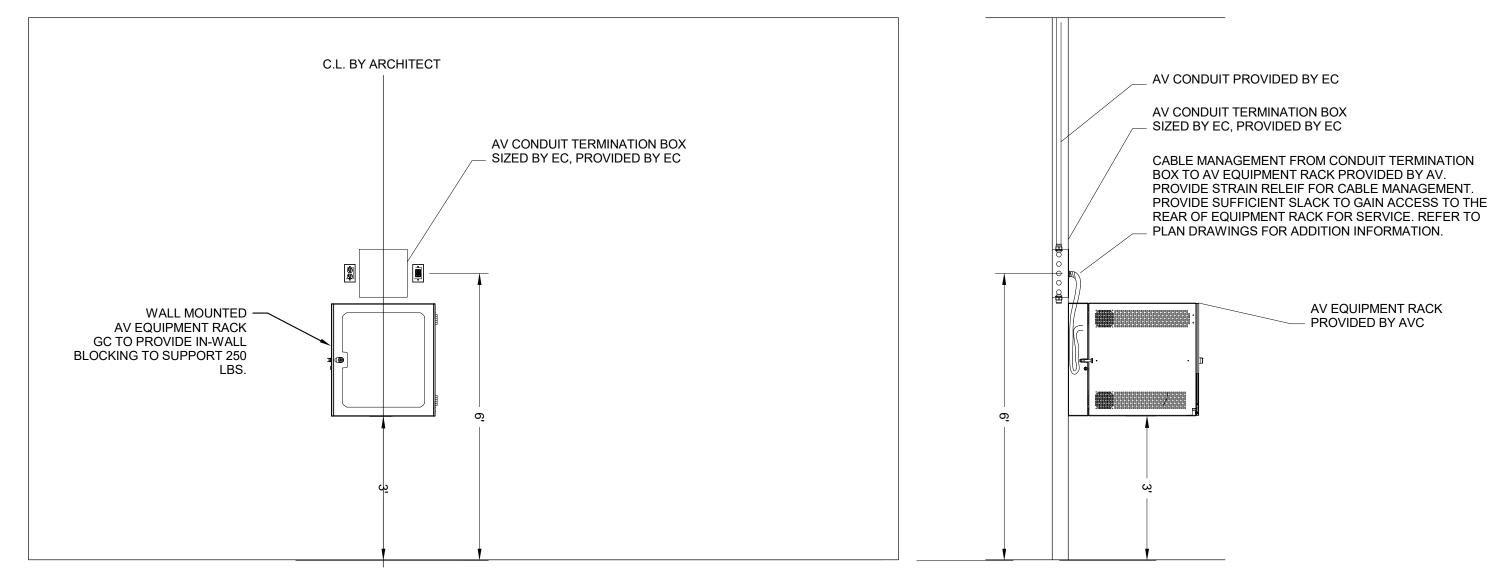
RENOVATION A | r JOB NO.: 429.11 CLIENT NO:

DRAWN BY: Author SHEET NO:
TA-301

AUDIOVISUAL ELEVATION & SECTION - TYPICAL CONTROL PANEL



AUDIOVISUAL ELEVATION & SECTION - TYPICAL AUDIO INPUT PLATE LOCATIONS



AUDIOVISUAL ELEVATION & SECTION - TYPICAL AUDIO INPUT PLATE LOCATIONS



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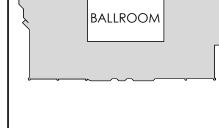
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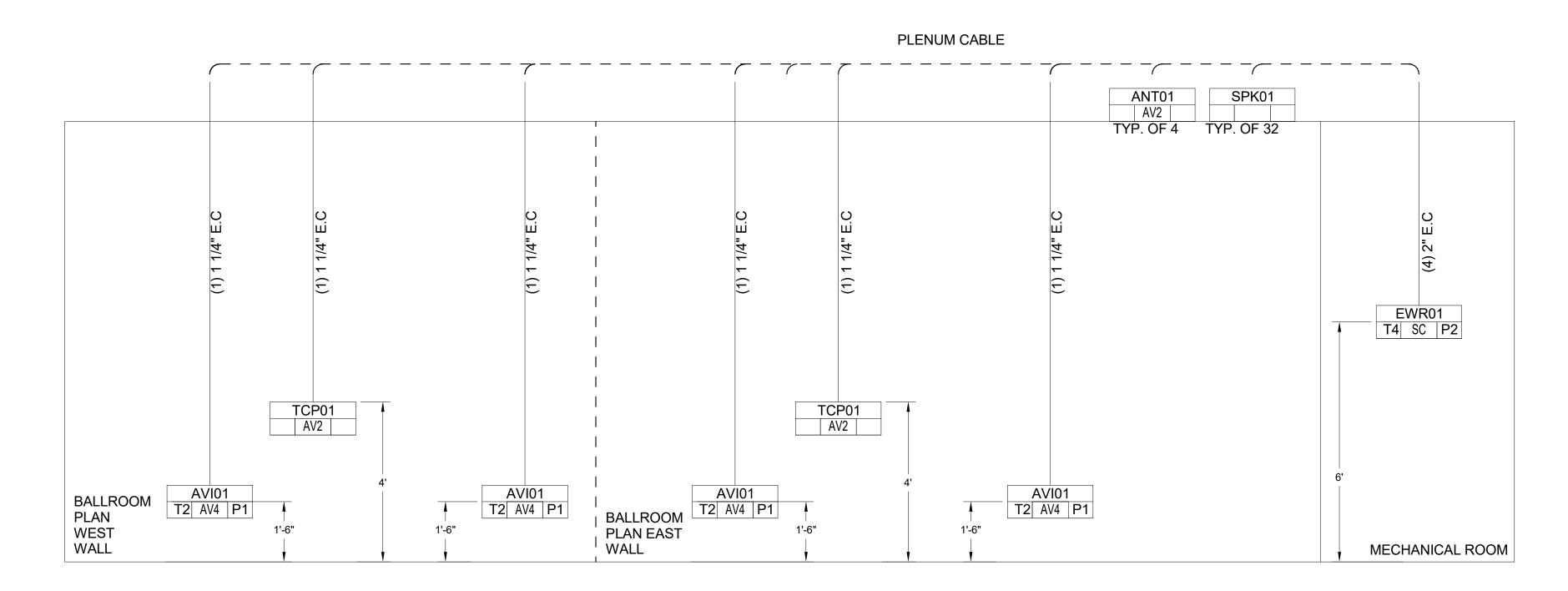
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AUDIOVISUAL ELEVATIONS

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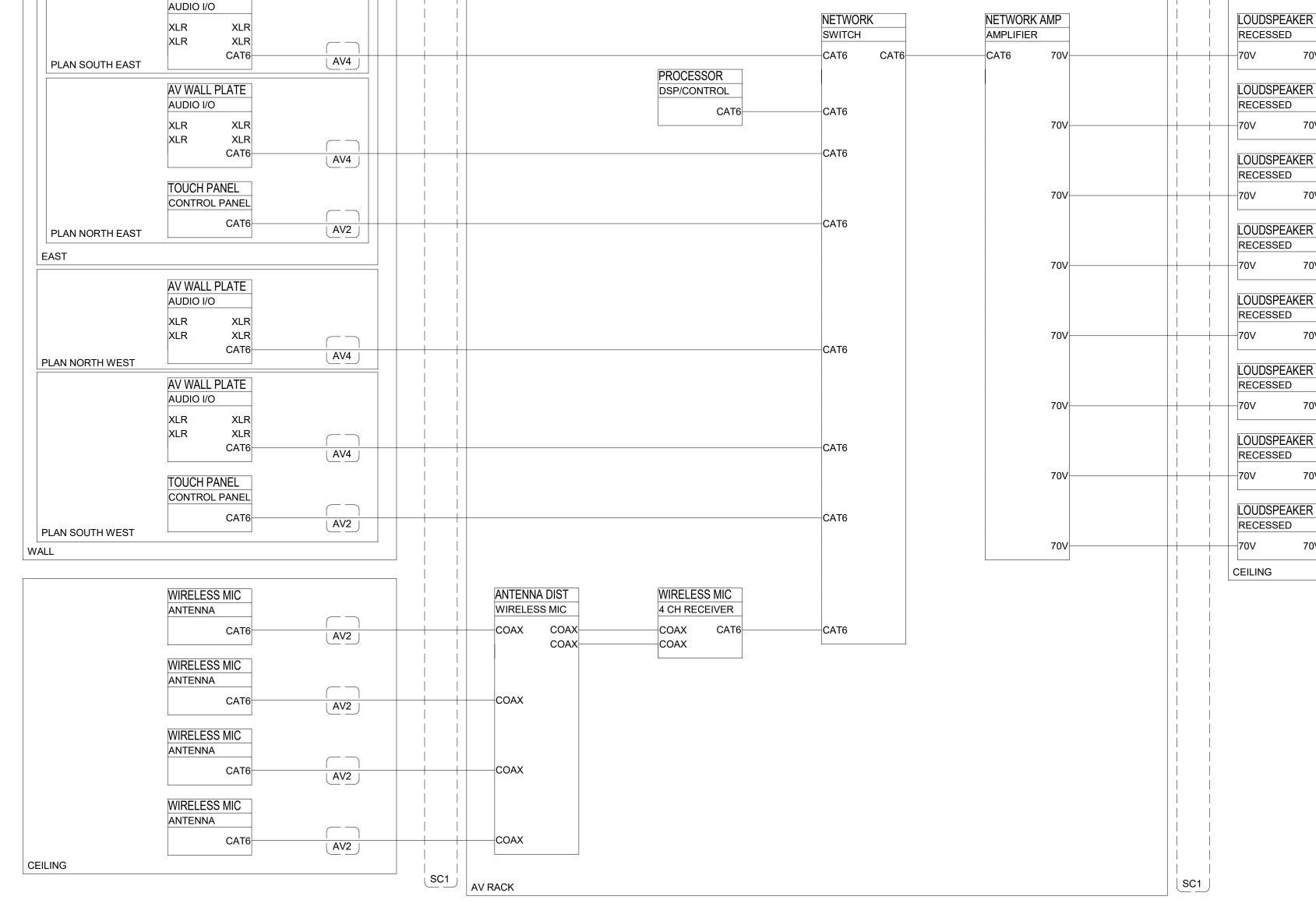


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CONSTRUCTION BALLROOM 100% CONSTRUCTION DOCUMENTS 4/29/2024 REVISIONS
NO. DECRIPTION DATE AUDIOVISUAL RISERS



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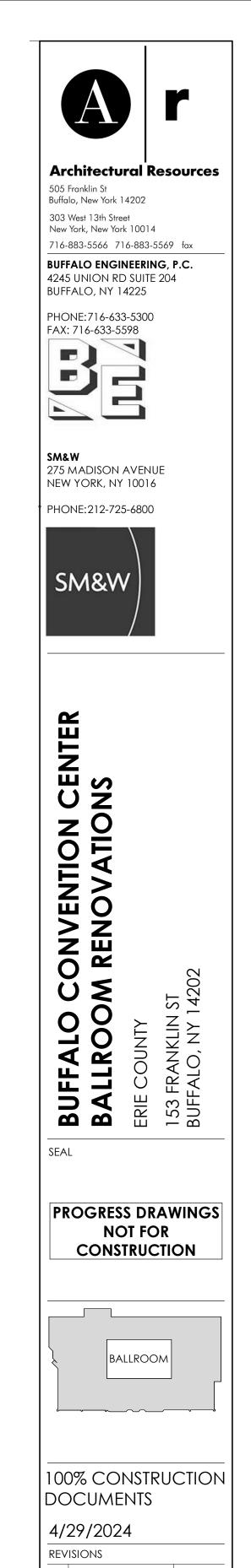
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AV SYSTEM DIAGRAM - BAL	I ROOM RENOVATION



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NO. DECRIPTION DATE

AUDIOVISUAL SYSTEM DIAGRAMS

GENERAL DEMOLITION NOTES

- A. CONTRACTOR SHALL COORDINATE DEMOLITION WORK AND THE WORK OF EACH TRADE. CONTRACTOR SHALL COORDINATE THEIR DEMOLITION WORK WITH WORK HANDLED BY OWNER'S SEPARATE CONTRACTORS, IF ANY.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF EXISTING CONSTRUCTION WHILE PERFORMING WORK SPECIFIED UNDER THIS CONTRACT.
- C. CONTRACTOR TO PATCH AND REPAIR REMAINING WALLS, FLOORS, SOFFITS, CEILINGS AND OTHER MISCELLANEOUS ITEMS TO MATCH ADJACENT SURFACES WHERE EXISTING CONSTRUCTION IS AFFECTED BY DEMOLITION OF ADJACENT WORK AND INSTALLATION AND REMOVAL OF TEMPORARY CONSTRUCTION.
- D. CONTRACTOR TO PROVIDE CUTTING AND PATCHING OF EXISTING WALLS, CEILINGS AND FLOORS TO FACILITATE DEMOLITION AND / OR INSTALLATION OF WORK AS REQUIRED PER DRAWINGS AND SPECIFICATIONS.
- E. DEMOLITION DEBRIS SHALL BECOME PROPERTY OF THE CONTRACTOR UNLESS SPECIFICALLY NOTED TO BE SALVAGED, WHEREIN IT REMAINS THE PROPERTY OF THE OWNER. THE OWNER RESERVES THE RIGHT TO REQUEST ITEMS TO BE SALVAGED AT ANY TIME DURING THE WORK OF THIS PROJECT. DEBRIS SHALL BE DISPOSED OF IN A LEGAL MANNER.
- F. CONTRACTOR SHALL INSPECT THE WORK AREA WITH THE OWNER'S REPRESENTATIVE BEFORE CONSTRUCTION BEGINS TO IDENTIFY MATERIALS WHICH ARE TO BE SALVAGED. SUCH ITEMS, UPON REMOVAL, SHALL BE STORED AT A SECURE LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- G. CONTRACTOR SHALL NOTIFY THE OWNER'S DESIGNATED REPRESENTATIVE IMMEDIATELY OF ANY ENCOUNTER WITH SUSPECT HAZARDOUS MATERIALS.
- H. BUILDING WILL BE OCCUPIED BY OWNER DURING CONSTRUCTION. EXISTING EXITING / EGRESS CAPACITY SHALL BE MAINTAINED.

DRAWING RENOVATION NOTES (##)

- D01 SAND, CLEAN AND PREP EXISTING WOOD DOOR(S) AND HOLLOW METAL FRAME TO RECEIVE NEW PAINT FINISH, BOTH SIDES, TYP D02 SEXISTING GRAND ENTRY DOUBLE WOOD DOORS AND WOOD FRAMES TO REMAIN, PROTECT DURING DURATION OF WORK, TYP
- DO3 REMOVE AND DISPOSE OF EXISTING CARPET TILE AND CARPET / VINYL WALL BASE THROUGHOUT WORKAREA, U.N.O. PREP EXISTING SLAB FOR NEW FLOOR FINISH, TYPICAL
- D04 REMOVE AND DISPOSE OF EXISTING QUARRY FLOOR TILE AND QUARRY TILE WALL BASE. SHOT BLAST AND PREP EXISTING SLAB TO RECEIVE NEW FLOOR FINISH,
- DOS SAND, CLEAN AND PREP EXISTING EGRESS DOUBLE WOOD DOORS, TO RECEIVE NEW STAIN TO MATCH EXISTING GRAND ENTRY DOORS, BOTH SIDES, TYP. SAND, CLEAN AND PREP HOLLOW METAL FRAMES TO RECEIVE NEW FINISH, BOTH SIDES,
- D06 SAND, CLEAN AND PREP EXISTING WOOD CHAIR RAILS TO RECEIVE NEW FINISH, TYPICAL THROUGHOUT ENTIRE PERIMETER OF WORK AREA SHOWN OUTLINED
- D21 REMOVE AND DISPOSE OF PORTION OF WOOD WALL MOUNTED GUARD RAIL TO ACCOMMODATE NEW SURFACE MOUNTED FIRE EXTINGUISHER CABINET. REFER TO NEW WORK PLANS
- D23 SAND, CLEAN AND PREP EXISTING METAL TRIM AT ALL DOOR FRAME OPENINGS TO RECEIVE NEW FINISH, THORUGHOUT ENTIRE WORK AREA SHOWN OUTLINED,

DEMOLITION LEGEND

DEMOLITION KEYNOTE

EXISTING DOOR AND FRAME TO REMAIN

NOT IN CONTRACT

EXISTING CONSTRUCTION TO REMAIN

WORK AREA



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BALLROOM

BID DOCUMENTS

5/1/2024 REVISIONS

NO. DECRIPTION 1 ADDENDUM

5/16/24

ENLARGED BALLROOM DEMOLITION FLOOR

PLAN A | r JOB NO.: 429.11 CLIENT NO:

DRAWN BY: AMR

GENERAL DEMOLITION NOTES

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- H. BUILDING WILL BE OCCUPIED BY OWNER DURING CONSTRUCTION. EXISTING EXITING / EGRESS CAPACITY SHALL BE MAINTAINED.

DEMOLITION DRAWING NOTES (##)

- D07 REMOVE EXISTING TEXTURED CEILING FINISH AND ASSOCIATED GYPSUM WALL BOARD, AND MODIFY EXISTING METAL STUD FRAMING TO ACCOMMODATE NEW WORK, TYP. REFER TO DETAIL 3 / AD-110
- D08 REMOVE EXISTING TEXTURED CEILING FINISH, INCLUDING WITHIN EXISTING COFFER, TO A COMPLETELY SMOOTH FINISH. REFER TO DETAIL 2 AND 3 / AD-110. PREP SURFACE FOR PAINT, TYP
- D09 MODIFY EXISTING SPRINKLER HEADS TO ACCOMMODATE NEW WORK, WITHIN ALL COFFER LOCATIONS, TYP. REFER TO FIRE PROTECTION PLANS
- D10 REMOVE AND DISPOSE OF EXISTING DROPPED GYPSUM CEILING AND FRAMING INCLUDING RECESSED LIGHT FIXTURES, SPEAKERS, AND CEILING MOUNTED LINEAR LIGHTING ABOVE GYPSUM CEILING (2 PER COFFER), WITHIN COFFER CEILING
- D11 REMOVE EXISTING PLASTIC LAY-IN CEILING GRATES AND ASSOCIATED SUSPENSION SYSTEM, TYP
- D12 REMOVE EXISTING TRACK RAIL, RECESSED ON VERTICAL WALL/ IN CEILING, TYPICAL. PATCH AS REQUIRED AND PREP FOR NEW WORK
- D13 REMOVE EXISTING LIGHT FIXTURES PER ELECTRICAL DRAWINGS
 D14 REMOVE EXISTING LINEAR SUPPLY VENTS PER MECHANICAL
- D15 REMOVAL EXISTING SISAL TEXTURED COVERING FROM SOFFIT AND
- CEILING, PREP AND PRIME FOR NEW PAINT

 D16 REMOVE AND DISPOSE OF GYPSUM CEILING. PATCH AS REQUIRED
- AND PREP FOR NEW WORK

 D17 REMOVE AND DISPOSE OF EXISTING SPEAKER SYSTEM IN ENTIRETY
- D17 REMOVE AND DISPOSE OF EXISTING SPEAKER SYSTEM IN ENTIRETY
 D19 EXISTING SPRINKLER PIPING TO REMAIN. REMOVE AND DISPOSE OF
 EXISTING SPRINKLER HEAD AND ESCUTCHEON PLATE, TYPICAL
- REMOVE AND DISPOSE OF EXISTING SPOTLIGHT FIXTURE AND ASSOCIATED CEILING OUTLET, REFER TO ELECTRICAL DRAWINGS. PATCH AS REQUIRED AND PREP FOR NEW WORK, TYP

 PATCH AND PREP CEILING LOCATIONS WHERE EXISTING LIGHT FIXTURES ARE DEMOLISHED, WITHIN EXISTING TO REMAIN CEILING,

FIXTURES ARE DEMOLISHED, WITHIN EXISTING TO REMAIN CEILING, FOR NEW CEILING FINISH. SHOWN WITH A DASHED OUTLINE TYP. REFER TO NEW WORK PLANS

CEILING MOUNTED BATTERY FIXTURE, EXISTING TO REMAIN. PROTECT DURING THE DURATION OF WORK

DEMOLITION RCP LEGEND

EXISTING CONSTRUCTION TO REMAIN

DEMOLISHED RECESSED DOWNLIGHT FIXTURE

(REFER TO E DWGS)

DEMOLISHED SPEAKER SYSTEM

SPRINKLER HEAD (REFER TO FP DWGS)

EXISTING SPRINKLER HEAD TO REMAIN (REFER TO FP DWGS)

EXISTING EXIT SIGN TO REMAIN

EXISTING CEILING MOUNTED BATTERY FIXTURE

DEMOLISHED SUPPLY VENT (REFER TO M DWGS)

REMOVAL

NOT IN CONTRACT

WORK A

A

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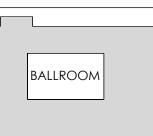
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ENLARGED BALLROOM

5/16/24

A | r JOB NO.: 429.11

CLIENT NO:

DRAWN BY: AMR

DEMOLITION RCP

AD-110

ALTERNATE 3:

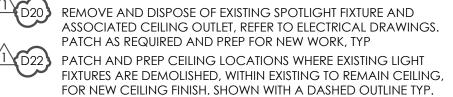
2 AND 3/ AD-111

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- G. CONTRACTOR SHALL NOTIFY THE OWNER'S DESIGNATED REPRESENTATIVE IMMEDIATELY OF ANY ENCOUNTER WITH SUSPECT HAZARDOUS MATERIALS.
- H. BUILDING WILL BE OCCUPIED BY OWNER DURING CONSTRUCTION. EXISTING EXITING / EGRESS CAPACITY SHALL BE MAINTAINED.

DEMOLITION DRAWING NOTES (##)

- D08 REMOVE EXISTING TEXTURED CEILING FINISH, INCLUDING WITHIN EXISTING COFFER, TO A COMPLETELY SMOOTH FINISH. REFER TO DETAIL 2 AND 3 / AD-110. PREP SURFACE FOR PAINT, TYP
- D09 MODIFY EXISTING SPRINKLER HEADS TO ACCOMMODATE NEW WORK, WITHIN ALL COFFER LOCATIONS, TYP. REFER TO FIRE PROTECTION PLANS
- D10 REMOVE AND DISPOSE OF EXISTING DROPPED GYPSUM CEILING AND FRAMING INCLUDING RECESSED LIGHT FIXTURES, SPEAKERS, AND CEILING MOUNTED LINEAR LIGHTING ABOVE GYPSUM CEILING (2 PER COFFER), WITHIN COFFER CEILING
- D11 REMOVE EXISTING PLASTIC LAY-IN CEILING GRATES AND ASSOCIATED SUSPENSION SYSTEM, TYP
- D12 REMOVE EXISTING TRACK RAIL, RECESSED ON VERTICAL WALL/ IN CEILING, TYPICAL. PATCH AS REQUIRED AND PREP FOR NEW WORK
- D13 REMOVE EXISTING LIGHT FIXTURES PER ELECTRICAL DRAWINGS
- D14 REMOVE EXISTING LINEAR SUPPLY VENTS PER MECHANICAL
- D15 REMOVAL EXISTING SISAL TEXTURED COVERING FROM SOFFIT AND CEILING, PREP AND PRIME FOR NEW PAINT
- D16 REMOVE AND DISPOSE OF GYPSUM CEILING. PATCH AS REQUIRED
- AND PREP FOR NEW WORK D17 REMOVE AND DISPOSE OF EXISTING SPEAKER SYSTEM IN ENTIRETY
- D19 EXISTING SPRINKLER PIPING TO REMAIN. REMOVE AND DISPOSE OF EXISTING SPRINKLER HEAD AND ESCUTCHEON PLATE, TYPICAL REMOVE AND DISPOSE OF EXISTING SPOTLIGHT FIXTURE AND



REFER TO NEW WORK PLANS CEILING MOUNTED BATTERY FIXTURE, EXISTING TO REMAIN. PROTECT DURING THE DURATION OF WORK

DEMOLITION RCP LEGEND

— — — — REMOVE CONSTRUCTION EXISTING CONSTRUCTION TO REMAIN DEMOLISHED RECESSED DOWNLIGHT FIXTURE (REFER TO E DWGS) DEMOLISHED SPEAKER SYSTEM SPRINKLER HEAD (REFER TO FP DWGS) EXISTING SPRINKLER HEAD TO REMAIN (REFER TO FP DWGS)

NOT IN CONTRACT

DEMOLITION KEYNOTE

REMOVAL **WORK AREA**



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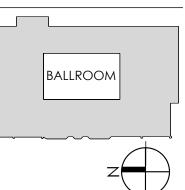




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BUFFALO (BALLROO)

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BID DOCUMENTS

5/1/2024

REVISIONS NO. DECRIPTION ADDENDUM 5/16/24

ENLARGED BALLROOM DEMILITION RCP -

ALTERNATE 3 A | r JOB NO.: 429.11 CLIENT NO: DRAWN BY: AMR

GENERAL RENOVATION NOTES

- A. ALL DIMENSIONS ARE TO THE FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- B. THE CONTRACTOR IS NOT TO SCALE DRAWINGS OR DETAILS.
- C. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA, THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- E. THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS.
- F. REFER TO 3 / A-100 FOR WALL TYPES INFORMATION.
- G. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE.
- H. CONTRACTOR TO PROVIDE LEVEL 4 FINISH LEVEL TYP, UNO.

DRAWING RENOVATION NOTES

- 201 PROVIDE VOID AT EAST WALL, TYP. REFER TO DETAIL 1/A-431 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION 202 PROVIDE NEW SPRINKLER ESCUTCHEON PLATE ON EXISTING SPRINKLER HEADS TO
- MATCH NEW CEILING FINISH, TYP 203 EXISTING STAGE BELOW. SHOWN DASHED FOR COORDINATION PURPOSES
- 204 PROVIDE RETURN GRILLE AND ASSOCIATED SUSPENSION SYSTEM, TYP. REFER TO
- MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION MODIFY HORIZONTAL INSTALLATION DIMENSION, IF REQUIRED, AT THIS LINEAR

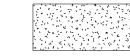
LIGHT FIXTURE ONLY, TO ACCOMMODATE EXISTING CEILING MOUNTED BATTERY

FIXTURE AND NEW MONOPOINT FIXTURES. REFER TO ELECTRICAL DRAWINGS

RCP LEGEND

-CEILING TYPE —CEILING FINISH

—CEILING HEIGHT, ABOVE FINISH FLOOR



GYPSUM BOARD CEILING

RECESSED DOWNLIGHT FIXTURE (REFER TO E DWGS) RECESSED WALL WASH FIXTURE (REFER TO E DWGS)

CEILING MOUNTED MONOPOINT FIXTURE (REFER TO E DWGS)

RETROFIT COFFER LIGHT FIXTURE (REFER TO E DWGS)

CEILING MOUNTED SPEAKERS (REFER TO E AND A/V DWGS)

RECESSED LINEAR LIGHT FIXTURE (REFER TO E DWGS)

SPRINKLER HEAD (REFER TO FP DWGS) EXISTING SPRINKLER HEAD (REFER TO FP DWGS)

SMOKE DETECTOR (REFER TO FP DWGS)

NOT IN CONTRACT





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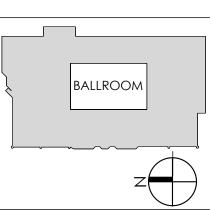
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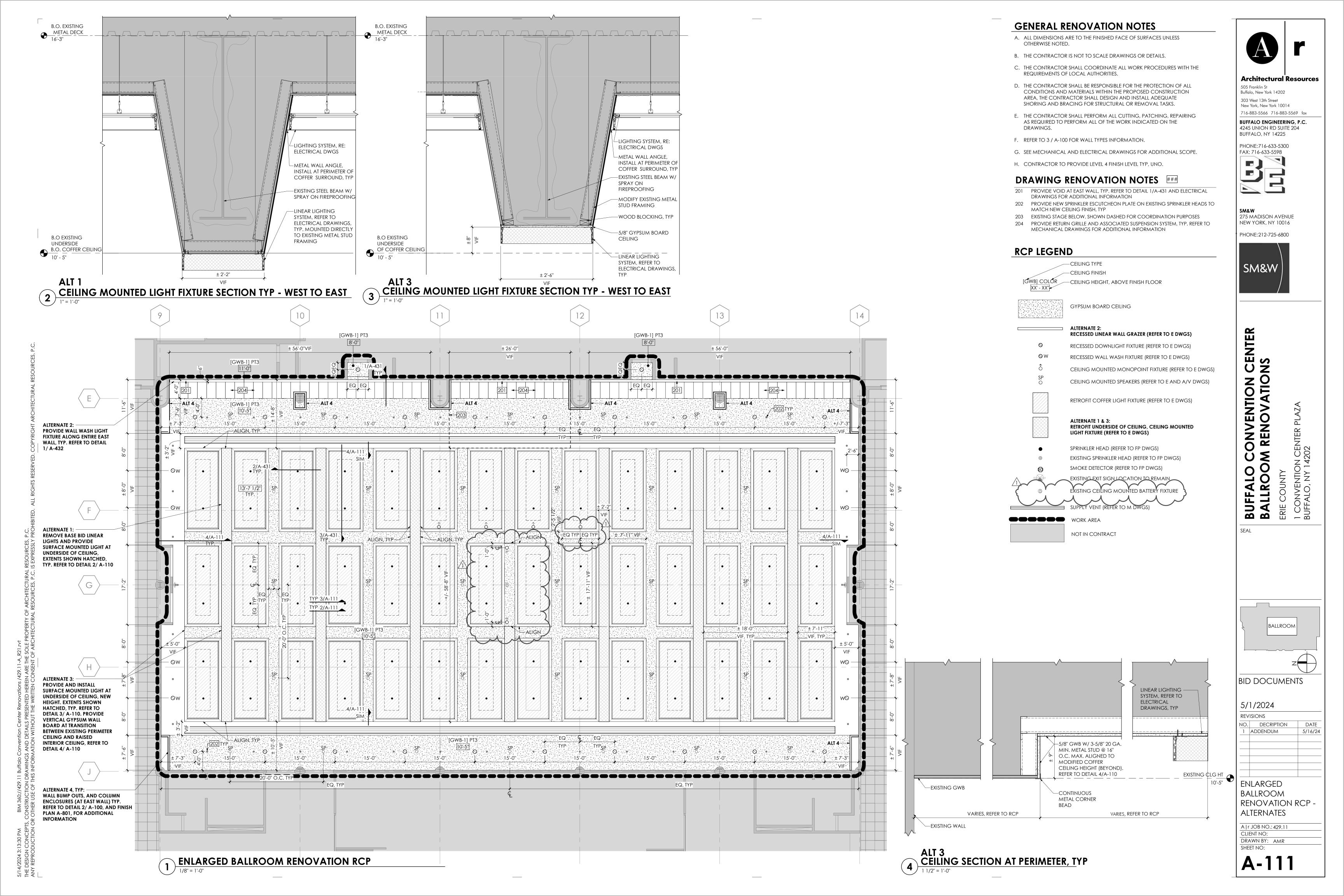
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5/16/24

ENLARGED BALLROOM RENOVATION RCP

A | r JOB NO.: 429.11 CLIENT NO: DRAWN BY: Author

A-110



CUSHIONBAC RENEW 142680250F LFT1 - PORCELAIN TILE, LARGE FORMAT MANUFACTURER: CROSSVILLE STYLE: PORCELAIN TILE PANEL COLOR: CALCE BIANCO SIZE: 1000 M X 3000 M X 5.6MM THICK (39.37 IN X 118.11 IN X .22 IN THICK) NOTE: REFER TO FINISH PLAN FOR EXTENTS

PATTERN: ASHLAR (RUNNING WEST TO EAS)

SYSTEM PER MANUFACTURER'S OFFERING;

NOTE: PROVIDE UPGRADED BACKING

GRT1- GROUT MANUFACTURER: LATICRETE PRODUCT: SPECTRALOCK PRO, EPOXY COLOR: TO BE PROVIDED BY DESIGNER

AND CUSTOM LENGTH

FROM MANUFACTURER'S OFFERING WB1 - WALL BASE, CARPET MANUFACTURER: INTERFACE COLLECTION: SIMPLE ABSTRACT STYLE: PAINTED GESTURE (TO MATCH CARPET TILE CPT1) SIZE: 7" H X MANUFACTURER'S ROLL LENGTH

AND UNBACKED, PROVIDE SURGED BINDING WITH COLOR TO MATCH. INSTALL AT CARPET LOCATIONS, UNO WB2 - WALL BASE, PORCELAIN TILE, LARGE **FORMAT** MANUFACTURER: CROSSVILLE STYLE: PORCELAIN TILE PANEL

NOTE: WALL BASE HEIGHT TO MATCH WB1

SIZE: 1000 M X 3000 M X 3MM THICK (39.37 IN X 118.11 IN X .118 IN THICK)

COLOR: CALCE BIANCO

NOTE: RUN CARPETING AS SHEET GOODS

PT2 - PAINT

PT1 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7004 SNOWBOUND FINISH: REFER TO SPECIFICATIONS LOCATION: EXISTING HOLLOW METAL DOOR FRAMES AND WOOD DOORS AT EAST ELEVATION, TYP. EXISTING HOLLOW METAL DOOR FRAMES AT

LOCATION: GENERAL NOTE: EXISTING TEXTURED WALL COVERING MAY REQUIRE ADDITIONAL QUANTITIES FOR FULL COVERAGE WEST ELEVATION TO BE PAINTED, GRAND ENTRY DOUBLE WOOD DOORS TO REMAIN

MANUFACTURER: SHERWIN WILLIAMS COLOR: DESIGNER TO PROVIDE COLOR TO MATCH ACCENT WALL PAINT PT2 FINISH: REFER TO SPECIFICATIONS OFFERING LOCATION: EXISTING HOLLOW METAL DOOR FRAMES AT NORTH AND SOUTH ACCENT WALLS, TYP. EXISTING EGRESS DOUBLE WOOD DOORS TO RECEIVE STAIN ST1

ST1 - STAIN STAIN COLOR TO MATCH EXISTING GRAND ENTRY DOUBLE WOOD DOORS LOCATION: NORTH AND SOUTH ACCENT WALLS,

WALLS:

PT2 - PAINT

PT1 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7004 SNOWBOUND FINISH: REFER TO SPECIFICATIONS

MANUFACTURER: SHERWIN WILLIAMS COLOR: TO BE COORDINATED WITH CARPET TILE CPT1, DESIGNER TO PROVIDE PER MANUFACTURER'S STANDARD

FINISH: REFER TO SPECIFICATIONS LOCATION: ACCENT, REFER TO FINISH NOTE: EXISTING TEXTURED WALL COVERING MAY REQUIRE ADDITIONAL QUANTITIES FOR FULL COVERAGE

CEILING:

PT3 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7757 HIGH REFLECTIVE WHITE FINISH: REFER TO SPECIFICATIONS LOCATION: CEILING, REFER TO RCP

MT1 - METAL TRANSITION MANUFACTURER: FRY REGLET PROFILE: WALL ANGLE WA75100 COLOR: GLOBAL WHITE 1001 NOTES: RE: CEILING SECTIONS 2/A-431AND 3/A-431. TRIM PIECE TO BE MITERED AT INSIDE CORNERS, TYP LOCATION: LIGHTING SYSTEM AT COFFERS, REFER TO RCP

FLOORING INSTALLER

ENLARGED BALLROOM RENOVATION FINISH FLOOR PLAN

TR1 - TRANSITION STRIP MANUFACTURER: SCHLUTER SYSTEMS PROFILE: RECOMMENDED STYLE AND THICKNESS TO BE PROVIDED BY FLOORING INSTALLER BASED ON EXISTING CONDITIONS, DESIGNER TO REVIEW AND APPROVE COLOR: TRENDLINE COLOR COATED ALUMINUM - MATT WHITE OR APPROVED EQUAL LOCATION: CARPET TILE CPT1 TO EXISTING TERRAZZO FLOORING NOTE: VERIFY THICKNESS REQUIRED WITH

OTHER CONTINUED:

TR2 - TRANSITION STRIP MANUFACTURER: SCHLUTER SYSTEMS PROFILE: RECOMMENDED STYLE AND THICKNESS TO BE PROVIDED BY FLOORING INSTALLER BASED ON EXISTING CONDITIONS, DESIGNER TO REVIEW AND APPROVE COLOR: TRENDLINE, COLOR COATED ALUMINUM - MATT WHITE - MBW OR APPROVED LOCATION: PORCELAIN TILE LFT1 TO EXISTING

QUARRY TILE FLOORING NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

TR3 - TRANSITION STRIP

MANUFACTURER: SCHLUTER SYSTEMS PROFILE: SCHIENE - A XX BW COLOR: COLOR COATED ALUMINUM - BRIGHT WHITE - BW LOCATION: PORCELAIN FLOOR TILE LFT1 TO CARPET TILE CPT1 NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

TH1 - THRESHOLD, ADA COMPLIANT PROVIDE NEW THRESHOLD TO ACCOMMODATE EXISTING FLOORING CONDITIONS, VIF LOCATION: CARPET TILE CPT1 TO EXISTING QUARRY TILE FLOORING NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

KITCHEN MECHANICAL CLOSET $\langle G \rangle$ DIAMETER,VIF_ WOMEN'S MEN'S TOILET TOILET ROOM ROOM LOBBY BAR

DRAWING RENOVATION NOTES ###

801 EXISTING CHAIR RAIL, PAINT TO MATCH ADJACENT WALL TYP. REFER TO FINISH PLAN AND MATERIAL LEGEND (A-800) 803 EXISTING FLOOR BOX LOCATIONS TO REMAIN, WITHIN ENTIRE WORK AREA

SHOWN OUTLINED. EXACT LOCATION TO BE VERIFIED IN FIELD, TYP REFER TO ELECTRICAL DRAWINGS. CARPET TILE TO BE CUSTOM CUT TO MATCH AREA AND OPENING OF EXISTING FLOOR BOX PANEL COVER, TYP. COVER PLATES TO BE MACHINE BLASTED FOR A CLEAN FINISH

806 EXISTING WALL BASE ELECTRICAL OUTLET LOCATIONS TO REMAIN, PROVIDE NEW COVER PLATES TYP, AT PERIMETER OF WALLBASE WITHIN OUTLINED WORKAREA, REFER TO ELECTRICAL DRAWINGS

PAINT EXISTING METAL TRIM AT ALL DOOR FRAME OPENINGS TO MATCH ADJACENT WALL FINISH, TYP THROUGHOUT ENTIRE WORK AREA SHOWN

NOT IN CONTRACT

THRESHOLD - THX

FINISH ANNOTATION LEGEND

EXISTING TO REMAIN XXX FLOOR FINISH

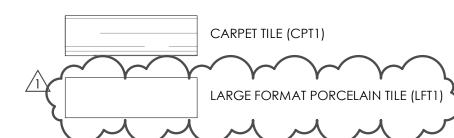
XXX --FLOOR FINISH XXX --WALL BASE

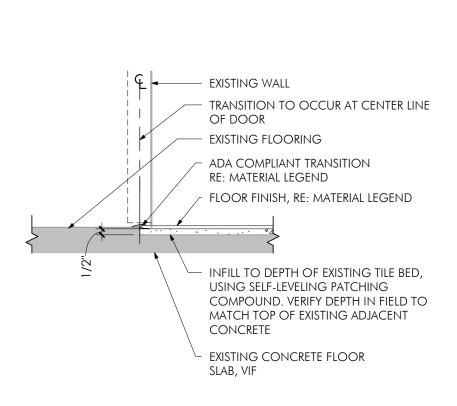
GENERAL WALL FINISH WALL FINISH TO EXTENTS

TRANSITION - TRX

_ _ _ _ _ _ _ _ _

FLOORING MATERIAL LEGEND





FLOOR DETAIL





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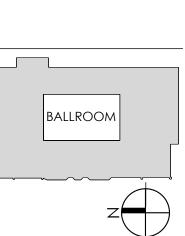
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FINISH FLOOR PLAN

CPT1 - CARPET TILE MANUFACTURER: INTERFACE COLLECTION: SIMPLE ABSTRACT STYLE: PAINTED GESTURE COLOR: 105973 NEUTRAL (MODIFIED COLORWAY, CONTROL SAMPLE BEING PROCESSED, DESIGNER TO PROVIDE ONCE REVIEWED AND APPROVED BY CLIENT) ■ SIZE: 25 CM X 1 M (9.85 IN X 39.38 IN) PATTERN: ASHLAR (RUNNING WEST TO EAST) NOTE: PROVIDE UPGRADED BACKING SYSTEM PER MANUFACTURER'S OFFERING;

CUSHIONBAC RENEW 142680250F LFTT - PORCELAIN TILE, LARGE FORMAT MANUFACTURER: CROSSVILLE STYLE: PORCELAIN TILE PANEL COLOR: CALCE BIANCO SIZE: 1000 M X 3000 M X 5.6MM THICK (39.37 IN X 118.11 IN X .22 IN THICK) NOTE: REFER TO FINISH PLAN FOR EXTENTS AND CUSTOM LENGTH

GRT1- GROUT MANUFACTURER: LATICRETE PRODUCT: SPECTRALOCK PRO, EPOXY COLOR: TO BE PROVIDED BY DESIGNER FROM MANUFACTURER'S OFFERING

WB1 - WALL BASE, CARPET MANUFACTURER: INTERFACE COLLECTION: SIMPLE ABSTRACT STYLE: PAINTED GESTURE (TO MATCH CARPET TILE CPT1) SIZE: 7" H X MANUFACTURER'S ROLL LENGTH,

NOTE: RUN CARPETING AS SHEET GOODS AND UNBACKED, PROVIDE SURGED BINDING WITH COLOR TO MATCH. INSTALL AT CARPET LOCATIONS, UNO

WB2 - WALL BASE, PORCELAIN TILE, LARGE FORMAT MANUFACTURER: CROSSVILLE STYLE: PORCELAIN TILE PANEL COLOR: CALCE BIANCO SIZE: 1000 M X 3000 M X 3MM THICK (39.37 IN X 118.11 IN X .118 IN THICK) NOTE: WALL BASE HEIGHT TO MATCH WB1

PT1 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7004 SNOWBOUND FINISH: REFER TO SPECIFICATIONS LOCATION: EXISTING HOLLOW METAL DOOR FRAMES AND WOOD DOORS AT EAST ELEVATION, TYP. EXISTING HOLLOW METAL DOOR FRAMES AT WEST ELEVATION TO BE PAINTED, GRAND ENTRY

DOUBLE WOOD DOORS TO REMAIN

RECEIVE STAIN ST1

MANUFACTURER: SHERWIN WILLIAMS COLOR: DESIGNER TO PROVIDE COLOR TO MATCH ACCENT WALL PAINT PT2 FINISH: REFER TO SPECIFICATIONS LOCATION: EXISTING HOLLOW METAL DOOR FRAMES AT NORTH AND SOUTH ACCENT WALLS, TYP. EXISTING EGRESS DOUBLE WOOD DOORS TO

ST1 - STAIN STAIN COLOR TO MATCH EXISTING GRAND ENTRY DOUBLE WOOD DOORS LOCATION: NORTH AND SOUTH ACCENT WALLS,

WALLS:

PT1 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7004 SNOWBOUND FINISH: REFER TO SPECIFICATIONS LOCATION: GENERAL NOTE: EXISTING TEXTURED WALL COVERING MAY REQUIRE ADDITIONAL QUANTITIES FOR FULL COVERAGE

PT2 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: TO BE COORDINATED WITH CARPET TILE CPT1, DESIGNER TO PROVIDE PER MANUFACTURER'S STANDARD OFFERING FINISH: REFER TO SPECIFICATIONS LOCATION: ACCENT, REFER TO FINISH PLAN NOTE: EXISTING TEXTURED WALL COVERING MAY REQUIRE ADDITIONAL QUANTITIES FOR FULL COVERAGE

ALTERNATE 4: LFT2 - PORCELAIN TILE, LARGE FORMAT MANUFACTURER: CROSSVILLE STYLE: PORCELAIN TILE PANEL COLOR: CALCE BIANCO SIZE: 1000 M X 3000 M X 3MM THICK (39.37 IN X 118.11 IN X .118 IN THICK) NOTE: LOCATIONS INCLUDE COLUMN ENCLOSURES AS NOTED, REFER TO FINISH PLAN FOR EXTENTS. WRAP ALL EXPOSED SURFACES AND ALIGN VERTICAL GROUT LINES WITH FLOOR

ALL WALL TILE LOCATIONS

TILE LFT1, REFER TO ELEVATION 2/A-801. PROVIDE

TRANSITION STRIP TR5 AT OUTSIDE CORNERS, TYP

CEILING:

PT3 - PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7757 HIGH REFLECTIVE WHITE FINISH: REFER TO SPECIFICATIONS LOCATION: CEILING, REFER TO RCP

MT1 - METAL TRANSITION MANUFACTURER: FRY REGLET PROFILE: WALL ANGLE WA75100 COLOR: GLOBAL WHITE 1001 NOTES: RE: CEILING SECTIONS 2/A-431AND 3/A-431. TRIM PIECE TO BE MITERED AT INSIDE CORNERS, TYP LOCATION: LIGHTING SYSTEM AT COFFERS,

OTHER:

ENLARGED BALLROOM RENOVATION FINISH FLOOR PLAN - ALTERNATE 4

REFER TO RCP

TR1 - TRANSITION STRIP - BASE BID ONLY

TR2 - TRANSITION STRIP MANUFACTURER: SCHLUTER SYSTEMS PROFILE: RECOMMENDED STYLE AND THICKNESS TO BE PROVIDED BY FLOORING INSTALLER BASED TH1 - THRESHOLD, ADA COMPLIANT ON EXISTING CONDITIONS, DESIGNER TO REVIEW AND APPROVE COLOR: TRENDLINE, COLOR COATED ALUMINUM - MATT WHITE - MBW OR APPROVED

LOCATION: PORCELAIN TILE LFT1 TO EXISTING QUARRY TILE FLOORING NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

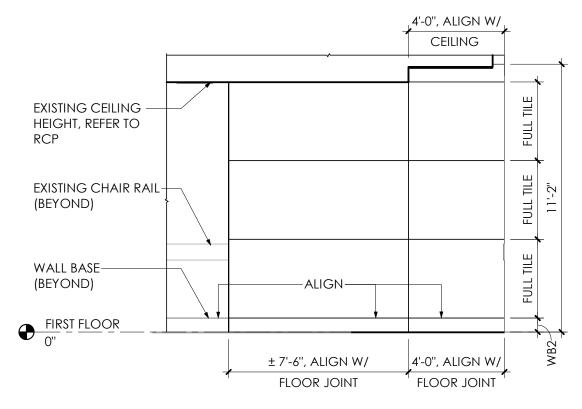
TR3 - TRANSITION STRIP MANUFACTURER: SCHLUTER SYSTEMS PROFILE: SCHIENE - A XX BW COLOR: COLOR COATED ALUMINUM - BRIGHT WHITE - BW LOCATION: PORCELAIN FLOOR TILE LFT1 TO CARPET TILE CPT1 NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

OTHER CONTINUED:

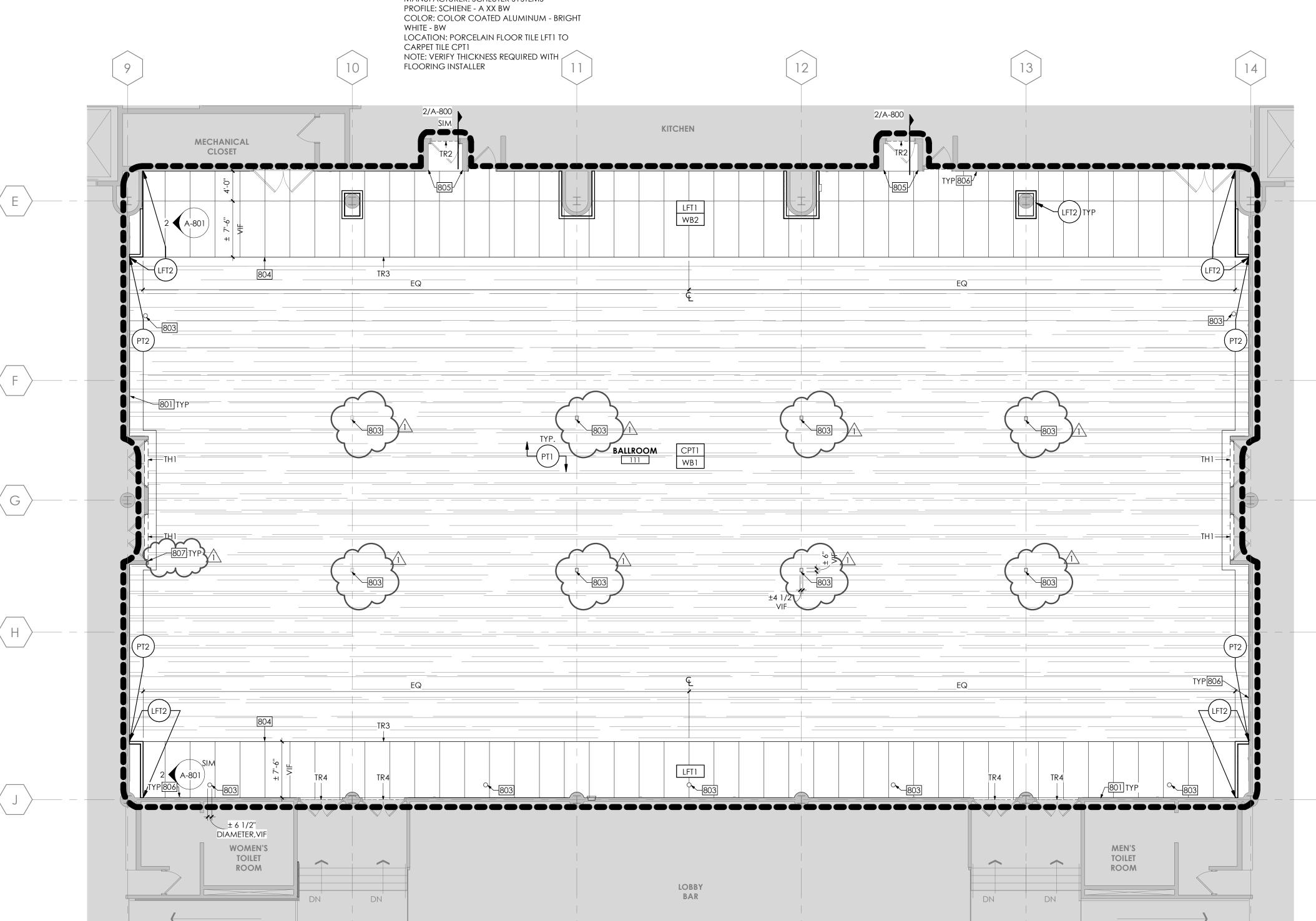
ALTERNATE 4: TR4 - TRANSITION STRIP MANUFACTURER: SCHLUTER SYSTEMS PROFILE: RECOMMENDED STYLE AND THICKNESS TO BE PROVIDED BY FLOORING INSTALLER BASED ON EXISTING CONDITIONS, DESIGNER TO REVIEW AND APPROVE COLOR: COATED ALUMINUM - MATT WHITE OR APPROVED EQUAL LOCATION: PORCELAIN TILE LFT1 TO EXISTING TERRAZZO FLOORING NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

ALTERNATE 4: TR5 - TRANSITION STRIP MANUFACTURER: SCHLUTER SYSTEMS PROFILE: JOLLY - EV / J XX MBW COLOR: TRENDLINE, COLOR COATED ALUMINUM - MATT WHITE - MBW LOCATION: PORCELAIN WALL TILE LFT2 AT ALL EXPOSED OUTSIDE CORNERS, TYP NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER

PROVIDE NEW THRESHOLD TO ACCOMMODATE EXISTING FLOORING CONDITIONS, VIF LOCATION: CARPET TILE CPT1 TO EXISTING QUARRY TILE FLOORING NOTE: VERIFY THICKNESS REQUIRED WITH FLOORING INSTALLER



LFT2 INSTALLATION ELEVATION, TYP



DRAWING RENOVATION NOTES ###

801 EXISTING CHAIR RAIL, PAINT TO MATCH ADJACENT WALL TYP. REFER TO FINISH PLAN AND MATERIAL LEGEND (A-800) 803 \ EXISTING FLOOR BOX LOCATIONS TO REMAIN, WITHIN ENTIRE WORK AREA SHOWN OUTLINED. EXACT LOCATION TO BE VERIFIED IN FIELD, TYP REFER TO

OPENING OF EXISTING FLOOR BOX PANEL COVER, TYP. COVER PLATES TO BE MACHINE BLASTED FOR A CLEAN FINISH 804 FLOORING MATERIAL CHANGE ALIGNS WITH NEW CEILING WORK LOCATIONS

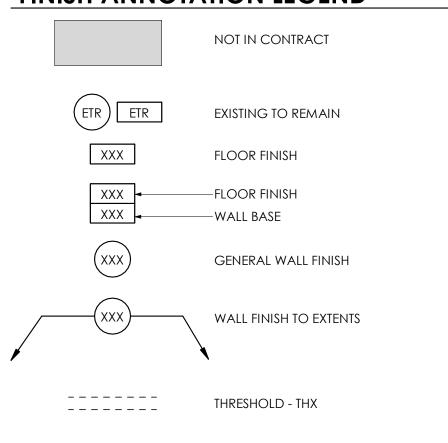
ELECTRICAL DRAWINGS. CARPET TILE TO BE CUSTOM CUT TO MATCH AREA AND

805 PROVIDE BLOCKING AT EXISTING CUSTOM RADIUS EDGE TO CREATE A 90 DEGREE ANGLE, THIS LOCATION TYP. COORDINATE WITH LARGE FORMAT PORCELAIN WALL TILE

806 EXISTING WALL BASE ELECTRICAL OUTLET LOCATIONS TO REMAIN, PROVIDE NEW COVER PLATES TYP, AT PERIMETER OF WALLBASE WITHIN OUTLINED WORKAREA, REFER TO ELECTRICAL DRAWINGS

PAINT EXISTING METAL TRIM AT ALL DOOR FRAME OPENINGS TO MATCH ADJACENT WALL FINISH, TYP THROUGHOUT ENTIRE WORK AREA SHOWN ADJACENT WALL FINISH, TYP THROUGHOUT ENTIRE WORK AREA SHOWN

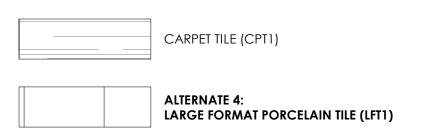
FINISH ANNOTATION LEGEND



TRANSITION - TRX

FLOORING MATERIAL LEGEND

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ONVENTION (RENOVATION

BALLROOM

BID DOCUMENTS

5/1/2024

REVISIONS NO. DECRIPTION 5/16/24

FINISH FLOOR PLAN ALTERNATE 4

A | r JOB NO.: 429.11 CLIENT NO: DRAWN BY: AMR

	ELECTRICAL	LEGEN	ND		
	POWER		FIRE ALARM S	SYSTE	ZM
SYMBOL	DESCRIPTION	SYMBOL DESCRIPTION			
1111	120 VOLT CIRCUIT HOMERUN, CIRCUIT CONCEALED IN CEILING OR WALL. "•" INDICATES GROUND WIRE.	FACP FIRE ALARM CONTROL PANEL			
-	208 VOLT CIRCUIT HOMERUN, CIRCUIT CONCEALED IN CEILING OR WALL	FAAP	FIRE ALARM ANNUNCIATOR PANEL		
#	277 VOLT CIRCUIT HOMERUN, CIRCUIT CONCEALED IN CEILING OR WALL. "•" INDICATES GROUND WIRE.	<u>SD</u>	CEILING MOUNTED SMOKE DETECTOR		
_H	BRANCH CIRCUIT HOMERUN, CIRCUIT CONCEALED IN FLOOR	F	FIRE ALARM PULL STATION.		
P c	20A, 120V, FLUSH MOUNTED TAMPER RESISTANT DUPLEX RECEPTACLE, COLOR PER ARCHITECT'S DIRECTION. SUBSCRIPT 'C' — MOUNT RECEPTACLE		FIRE ALARM AUDIO/VISUAL STROBE.		
	+6" ABOVE COUNTER BACKSPLASH. 20A, 120V, FLUSH MOUNTED TAMPER RESISTANT GROUND FAULT CIRCUIT		FIRE ALARM VISUAL STROBE. PROVIDE VANDAL GUARD WHERE INDICATED WITH 'VG'		
₩ GFI	INTERRUPTER DUPLEX RECEPTACLE, COLOR PER ARCHITECT'S DIRECTION.	©	CEILING MOUNTED CARBON MONOXIDE DETECTOR W/ SOUNDER BASE		
#	20A, 120V, FLUSH MOUNTED TAMPER RESISTANT QUAD PLEX RECEPTACLE, COLOR PER ARCHITECTS DIRECTION.	<u>I</u>			
O B	JUNCTION BOX	ABBREVIATIONS			
	208Y/120V PANELBOARD, REFER TO PANEL SCHEDULES	Α	AMPERE	IG	ISOLATED GROUND
	480/277V PANELBOARD, REFER TO PANEL SCHEDULES	AC AFCI	ALTERNATING CURRENT ARC-FAULT CIRCUIT-INTERRUPTER	J-BOX KW	JUNCTION BOX KILOWATT
Φ	E.C. SHALL MAKE COMPLETE 120V CONNECTION TO EQUIPMENT	AFF	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
	E.S. SIMEE WARE GOIN LETE 1204 GOINNEOTION TO EQUIL WEIGH	AFG AWG	ABOVE FINISHED GRADE	M.C.	MECHANICAL CONTRACTOR
•	E.C. SHALL MAKE COMPLETE 208V CONNECTION TO EQUIPMENT		AMERICAN WIRE GAUGE COMPLETE WITH	NIC	NOT IN CONTRACT PLUMBING CONTRACTOR
		C/W DC	DIRECT CURRENT	P.C. RTU	ROOF TOP UNIT
	LIGHTING CONTROL	E.C.	ELECTRICAL CONTRACTOR	SPD	SURGE PROTECTION DEVICE
	REFER TO SPECIFICATION SECTION 260923 FOR ADDITIONAL REQUIREMENTS	E,EXIST	EXISTING	SPECS	SPECIFICATIONS
KP	8 BUTTON LIGHTING CONTROL STATION. ETC #1008-5 SERIES OR APPROVED EQUAL. REFER TO WIRING DETAIL ON E-201	ER	EXISTING RELOCATED	TEL	TELEPHONE
	CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR.	FA	FIRE ALARM	TYP	TYPICAL
	ETS #ECHO E-DOC-C SERIES OR APPROVED EQUAL. REFER TO WIRING DETAIL ON E-201		GENERAL CONTRACTOR	V	VOLT
AP	LIGHTING CONTROL APP ACCESS POINT. ETS #EACC-1 SERIES OR APPROVED EQUAL. REFER TO WIRING DETAIL ON E-201	G.C. G,GND	GROUND	WP	WEATHERPROOF
		GFI	GROUND FAULT INTERUPTER	ø	PHASE
DM	DIMMING/RGBW LIGHTING TOUCH CONTROLLER. ETC #ETS-1 SERIES OR APPROVED EQUAL. REFER TO WIRING DETAIL ON E-201	HP	HORSEPOWER	XFMR	TRANSFORMER

<u>MOUNTING HEIGH'</u>	<u>19:</u>				
	INDICATED OR CALLED FOR, OR BECAUSE HTS OF ALL OUTLETS SHALL GENERALLY				
LOCAL SWITCHES	4'-0" ABOVE FLOOR TO CENTER	TELEVISION OUTLET & ASSOCIATED	1'-6" ABOVE FLOOR TO CENTER	FIRE ALARM PULL STATION	OPERATING HANDLE BETWEEN 42" AND 48" A.F.F.
RECEPTACLES	1'-6" ABOVE FLOOR TO CENTER	RECEPTACLE OUTLET (LOW)		COMBINATION FIRE ALARM AUDIO VISUAL UNIT (WALL)	ENTIRE LENS ABOVE 80", AND N GREATER THAN 96" A.F.F.
WALL MOUNTED FIXTURES	HEIGHT AS DIRECTED	TELEVISION OUTLET	VERIFY WITH OWNER/ARCHITECT	FIRE ALARM	ENTIRE LENS ABOVE 80", AND NO
MOTOR CONTROLS	4'-0" ABOVE FLOOR TO CENTER	& ASSOCIATED RECEPTACLE OUTLET (HIGH)		VISUAL NOTIFICATION UNIT (WALL)	GREATER THAN 96" A.F.F.
DISCONNECT AND SAFETY SWITCHES	4'-0" ABOVE FLOOR TO CENTER	RECEPTACLES & SWITCHES OVER	COORDINATE W/ ARCH. DRAWINGS OR HEIGHT AS INDICATED WHERE THE	DUCT SMOKE DETECTOR REMOTE	4'-0" ABOVE FLOOR TO CENTER
PANELBOARDS	6'-6" ABOVE FLOOR TO CENTER OF TOP MOST DEVICE HANDLE	COUNTERS	OBSTRUCTED HIGH REACH SHALL NOT EXCEED 48" MAX. FOR A REACH DEPTH OF 20" MAX.; 44" MAX. FOR A REACH DEPTH THAT EXCEEDS 20" BUT NOT	TEST STATION	
TELEPHONE OUTLET (DESK TYPE) OR	1'-6" ABOVE FLOOR TO CENTER		MORE THAN 25" MAX.		
COMPUTER OUTLET		EMERGENCY LIGHT	96" ABOVE FLOOR TO CENTER		
TELEPHONE OUTLET (WALL)	4'-0" ABOVE FLOOR TO CENTER	EXIT LIGHTS BATTERY PACKS (WALL MOUNTED)	9" ABOVE DOOR HEAD TO CENTER		

GENERAL DRAWING NOTES

(THESE NOTES APPLY TO ALL ELECTRICAL DRAWINGS)

- A. LOCATIONS INDICATED FOR LIGHT FIXTURES ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL REELECTED CEILING PLANS, LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH EXISTING AND NEW BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, SMOKE DETECTORS, PIPING etc. FIELD COORDINATE THE LOCATIONS AS NEAR AS POSSIBLE TO THOSE INDICATED ON THE PLANS.
- B. THE E.C. SHALL BE RESPONSIBLE TO REVIEW OTHER TRADES PROJECT CONTRACT DOCUMENTS TO DETERMINE MOUNTING HEIGHTS FOR ELECTRICAL DEVICES OR EQUIPMENT. THE LOCATIONS FOR MECHANICAL EQUIPMENT THAT REQUIRES ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL DRAWINGS. COORDINATE EXACT MOUNTING LOCATIONS AND HEIGHTS IN THE FIELD WITH OTHER TRADES PRIOR TO INSTALLATION.
- C. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEC 2017, OSHA AND ALL LOCAL CODES AND ORDINANCES. UNDER NO CIRCUMSTANCES SHALL THE ELECTRICAL CONTRACTOR INSTALL ANY WORK NOT IN ACCORDANCE WITH CODES.
- D. UNDER NO CIRCUMSTANCES SHALL ANY RACEWAY OR WIRING BE INSTALLED EXPOSED IN OFFICES, CORRIDORS OR FINISHED AREAS. ALL NEW WIRING/CONDUIT SHALL BE CONCEALED.

- CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE SHOWN FOR THE PURPOSE OF CLARIFYING THE GROUPING OF OUTLETS. THE ACTUAL NUMBER ASSIGNED TO THE CIRCUIT IN THE PANELBOARD SHALL SUIT THE BUSSING AND BRANCH CIRCUITING TO THE PANEL. PROVIDE COMPLETE, ACCURATE AND UPDATED TYPEWRITTEN PANEL DIRECTORIES FOR ALL EXISTING BRANCH CIRCUIT PANELS.
- F. EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS AND EXIT SIGNS SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE REQUIRED TO BE INSTALLED A MINIMUM OF THREE (3) FEET AWAY FROM SUPPLY OR RETURN AIR GRILLES OR PER SYSTEM MANUFACTURERS INSTALLATION REQUIREMENTS AND NFPA 72.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW OTHER TRADES PROJECT CONTRACT DOCUMENTS TO DETERMINE MOUNTING HEIGHTS FOR ELECTRICAL DEVICES OR EQUIPMENT. THE LOCATIONS FOR MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRES ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS. COORDINATE EXACT MOUNTING LOCATIONS AND HEIGHTS IN THE FIELD WITH OTHER TRADES PRIOR TO INSTALLATION.
- H. ALL SWITCHES SHALL BE PROVIDED WITH A GROUNDED CIRCUIT CONDUCTOR AT THE SWITCH LOCATION PER NEC 404.2C.

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MOUNTING	VOLTAGE/ BALLAST	LAMPS (QUANTITY & TYPE)	MANUFACTURER & SERIES	NOTES/REMARKS	
LF-1	6" RECESSED LED DOWNLIGHT. PROVIDE EMERGENCY DRIVER WITH 90 MIN. OF CAPACITY FOR ALL FIXTURES NOTED WITH 'EM'	RECESSED	UNV 120–277V LED 0–10V DIMMING	31.0 WATTS 2318 LUMENS 3500°K LED	3G LIGHTING: #3G-DL6RF-XX-H90-35K SERIES FOCAL POINT LIGHTING: FLC4D-RO-3000L-UNV-LCR-RO-3000L-3 5K-WFL SERIES	REFER TO DETAIL #3 ON DRAWING E-201 FOR EMERGENCY FIXTURE WIRING REQUIREMENTS.	
LF-2	3' ADJUSTABLE DOWNLIGHT	RECESSED	UNV 120–277V LED 0–10V DIMMING	31.2 WATTS 1921 LUMENS 3500°K LED	3G LIGHTING: #3G-DL33RA-XX-H90-35K SERIES FOCAL POINT LIGHTING: FLC4W-RO-3000L-UNV-LCR-RO-3000L-3 5K-WW SERIES		
LF-3	RECESSED LED PERIMETER FIXTURE WITH RGBW COLOR CHANGING AND DMX CONTROLS.	RECESSED	UNV 120-277V LED DMX DIMMING/RGBW	RGBW LED	DAY-O-LITE LIGHTING: #WPPL-2-RGBW SERIES LUMENWERX: V3PERL-HLO-QUADRO-277 SERIES	ALTERNATE 2: PURCHASE AND INSTALL LED COLOR CHANGING PERIMETER FIXTURES. PROVIDE ALL DMX WIRING TO DIMMING CONTROL EQUIPMENT. REFER TO DETAIL #2 ON DRAWING E-201 FOR ADDITIONAL INFORMATION.	
LF-4	3" ADJUSTABLE LED MONO-POINT CYLINDER FIXTURE.	SURFACE	UNV 120-277V LED 0-10V DIMMING	2200 LUMENS 3500°K LED	3G LIGHTING #3G-SDL33RA-XX-H90-35K SERIES WAC LIGHTING: #MO-2042-90-935 SERIES LF ILLUMINATION: TRA19B-M-15C-9235-M-DMU SERIES	COORDINATE FINAL AIMING WITH OWNER PRIOR TO PERFORMING ANY WORK.	
LF-5	196"L X 86.5"W RECESSED LUMICLOUD SYSTEM INSTALLED IN CEILING COFFER. PROVIDE WITH RGBW DMX COLOR CHANGING AND DIMMING CONTROLS. PROVIDE WITH LIGHTTEX SILENT FABRIC DIFFUSER.	SUSPENDED	UNV 120-277V LED DMX DIMMING	773.3 WATTS 50,356 LUMENS RGBW LED	TLS LIGHTING: LUMICLOUD AURORA SYSTEM COOLEDGE LIGHTING: LUMINOUS CEILING SYSTEM BARRISOL LIGHTING (CONTRACTOR SHALL PROVIDE PHOTOMETIC LAYOUT FOR REVIEW PRIOR TO APPROVAL)	PROVIDE ALL CONTROLLERS, POWER SUPPLIES AND DMX WIRING AS REQUIRED. REFER TO DETAIL #2 ON DRAWING E-101 FOR ADDITIONAL INFORMATION. PROVIDE ALL DMX WIRING TO DIMMING CONTROL EQUIPMENT. REFER TO DETAIL #2 ON DRAWING E-201 FOR ADDITIONAL INFORMATION. REFER TO LIGHT FIXTURE INSTALLATION REQUIREMENTS BELOW.	
LF-6 (BASE BID)	RECESSED LINEAR FIXTURE	RECESSED	UNV 120–277V LED 0–10V DIMMING	34.5 WATTS/4 FT SECTION 3,000 LUMENS 3500°K LED	NEO-RAY LIGHTING: S122DR-S-865-8-35 SERIES AMERICAN LINEAR LIGHTING: #2R040MD-35-UNV SERIES	REFER TO DETAIL #3 ON DRAWING E-101 FOR ADDITIONAL INFORMATION	
LF-6 (ALT 1)	26"W X 704"L LED CLOUD FIXTURE AND TUNABLE WHITE LIGHT. PROVIDE WITH LIGHTTEX SILENT FABRIC DIFFUSER	SURFACE	UNV 120–277V LED 0–10V DIMMING	938 WATTS 110,525 LUMENS 3500°K LED	TLS LIGHTING; LUMICLOUD ASTRA SYSTEM COOLEDGE LIGHTING: LUMINOUS CEILING SYSTEM BARRISOL LIGHTING (CONTRACTOR SHALL PROVIDE PHOTOMETIC LAYOUT FOR REVIEW PRIOR TO APPROVAL)	ALTERNATE #1: PURCHASE LED FIXTURES LOCATED AT BOTTOM OF BEAMS. PROVIDE ALL CONTROLLERS, POWER SUPPLIES AND 0-10V WIRING AS REQUIRED. REFER TO DETAIL #4 ON DRAWING E-101 FOR ADDITIONAL INFORMATION. REFER TO LIGHT FIXTURE INSTALLATION REQUIREMENTS BELOW.	
	RECESSED CEILING MOUNTED LED LIGHT FIXTURE, 1-1/2 HOUR EMERGENCY DURATION. SEALED BATTERY BACKUP. SELF DIAGNOSTICS	RECESSED	UNV 120–277V LED	(4) 1 WATT LED	SURE-LITE; SELRA50SD SERIES SIGNIFY: CLUR3NW SERIES		

LIGHTING FIXTURE SCHEDULE GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL FINAL FIXTURE COLORS WITH ARCHITECT PRIOR TO PURCHASING FIXTURES.
- CONTRACTOR SHALL VERIFY ALL COLOR TEMPERATURES WITH ARCHITECT AND OWNER PRIOR TO PURCHASING FIXTURES. CONTRACTOR SHALL PROVIDE LIGHTING FIXTURES THAT ARE LISTED, LABELED AND APPROVED BY UNDERWRITERS LABORATORIES INC. FOR USE WITH THE SPECIFIED CEILING TYPE AND RATING. COORDINATE WITH ARCHITECTURAL DRAWINGS, REFLECTED CEILING PLANS AND FIELD VERIFICATION OF EXISTING CEILING TYPES AND
- CONDITIONS BY CONTRACTOR.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE FOR A COMPLETE INSTALLATION.
- FOR ALL LIGHTING FIXTURES, PROVIDE TRIM KITS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH ARCH. REFLECTED CEILING PLAN FOR GYP BOARD/GRID CEILING PLACEMENTS. FOR EXISTING CEILINGS FIELD VERIFY TYPES PRIOR TO PURCHASE.
- ALL LED FIXTURES PROVIDED MUST BE ENERGY STAR RATED OR LISTED ON A 'DLC' QUALIFIED LIST.

<u>LIGHT FIXTURE LF-5 & (ALTERNATE 1) LF-6 INSTALLATION REQUIREMENTS:</u>

CONTRACTOR SHALL ENGAGE THE SERVICES OF THE FIXTURE MANUFACTURER CERTIFIED LIGHTING SYSTEM INSTALLER FOR THE INSTALLATION OF TYPES LF-5 AND LF-6 (ALTERNATE 1). MANUFACTURER CERTIFIED INSTALLATION SERVICES SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

- CUTTING, SIZING AND INSTALLATION OF FIXTURE FRAME, BRACKETS, BACK PANELING, ETC,
- CUTTING, STRETCHING AND INSTALLATION OF FABRIC MESH MATERIAL.
- SUSPENSION/SUPPORT OF SYSTEM
- INSTALLATION AND MOUNTING OF FIXTURE SYSTEM
- LEVELING AND ALIGNMENT - COORDINATION OF INSTALLATION OF SPRINKLER HEADS. PROVIDE ALL CUTTING AS REQUIRED.
- START-UP, COMMISSIONING AND TESTING

PROVIDE ALL ELECTRICAL CONNECTIONS FOR POWER AND CONTROLS AS REQUIRED. COORDINATE FINAL REQUIREMENTS WITH LIGHTING MANUFACTURER AND DIMMING SYSTEM MANUFACTURER.





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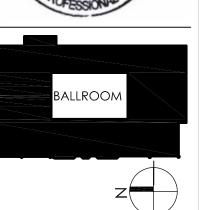
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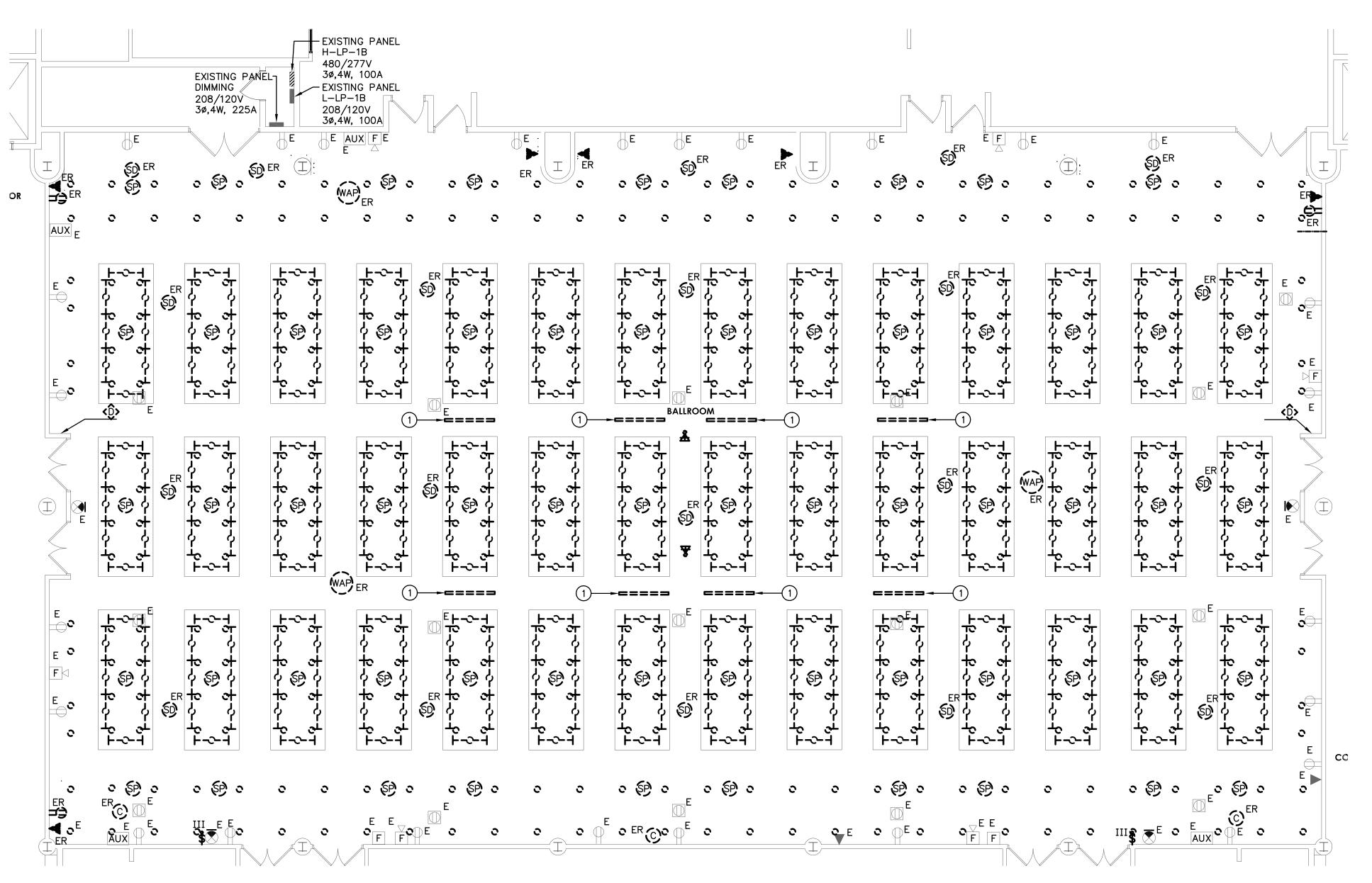
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4/29/2024

REVISIONS NO. DECRIPTION ADDENDUM 5/16/24

ELECTRICAL SCHEDULES & **GENERAL NOTES**

A | r JOB NO.: 429.11 CLIENT NO: DRAWN BY: DPZ

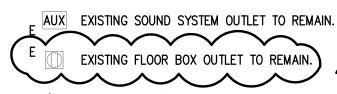


\ENLARGED BALLROOM ELECTRICAL DEMOLITION PLAN

CONTRACTOR SHALL REMOVE AND REPLACE ALL COVERPLATES FOR EXISTING TO REMAIN AND EXISTING RELOCATED WALL MOUNTED RECEPTACLES, WALL SWITCHES, JUNCTION BOXES, TELE/DATA OUTLETS, ETC.

DEMOLITION SYMBOL LEGEND:

- DISCONNECT AND REMOVE EXISTING SPOT LIGHT FIXTURE AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE AS REQUIRED.
- CONDUIT BACK TO SOURCE AS REQUIRED.
- DISCONNECT AND REMOVE EXISTING DOWNLIGHT FIXTURE AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE AS REQUIRED.
- **EXIT SIGNAGE TO REMAIN.**
- DISCONNECT AND REMOVE EXISTING FIRE ALARM A/V DEVICE. CONTRACTOR SHALL REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE AS REQUIRED.
- DISCONNECT AND REMOVE EXISTING SPEAKER. CONTRACTOR SHALL REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE AS REQUIRED.
- CONTRACTOR SHALL DISCONNECT, REMOVE AND RELOCATE EXISTING SMOKE DETECTOR FOR CEILING REPLACEMENT. CONTRACTOR SHALL TEMPORARILY SUPPORT SMOKE DETECTOR DURING CEILING REPLACEMENT AND REINSTALL ONCE NEW CEILING WORK IS COMPLETE
- CONTRACTOR SHALL DISCONNECT & REMOVE EXISTING CAMERA AND STORE DURING CEILING REPLACEMENT. CONTRACTOR SHALL RE-INSTALL CAMERA IN EXISTING LOCATION AFTER CEILING REPLACEMENT HAS BEEN COMPLETE.
- DISCONNECT AND REMOVE EXISTING RECEPTACLE AND REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. MAINTAIN CIRCUIT CONTINUITY TO ANY EXISTING DEVICES THAT
- DISCONNECT AND REMOVE EXISTING WALL SWITCH AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
- DISCONNECT AND REMOVE EXISTING DIMMER SWITCH AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
- DISCONNECT AND REMOVE EXISTING JUNCTION BOX AND REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
- DISCONNECT, REMOVE AND RELOCATE EXISTING RECEPTACLE. EXTEND/REWORK WIRING AND ER CONDUIT AS REQUIRED TO ACCOMMODATE RELOCATION. REFER TO DRAWING E-101 FOR NEW
- DISCONNECT, REMOVE AND RELOCATE EXISTING TELE/DATA OUTELT. EXTEND/REWORK WIRING AND CONDUIT AS REQUIRED TO ACCOMMODATE RELOCATION. REFER TO DRAWING E-101 FOR NEW LOCATION.
- F EXISTING FIRE ALARM A/V DEVICE TO REMAIN
- EXISTING RECEPTACLE TO REMAIN.



EXISTING TELE/DATA OUTLET TO REMAIN.

DEMOLITION KEYED NOTES:

1) DISCONNECT AND REMOVE EXISTING TRACK LIGHTING AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.

GENERAL DEMOLITION NOTES:

- A. EXISTING ELECTRICAL EQUIPMENT SHOWN ON DRAWING IS DIAGRAMMATIC AND INDICATES THE GENERAL ARRANGEMENT OF SAME. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT IN THIS AREA AS INDICATED. DISCONNECT AND REMOVE EXISTING CONDUITS, WIREMOLD, RACEWAY, LIGHTING FIXTURES, RECEPTACLES, COMPUTERS/TELEPHONE OUTLETS, LIGHTING SWITCHES, ETC. AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE AS FIELD REQUIRED. THE CONTRACTOR IS HEREBY ADVISED THAT THESE DRAWINGS MAY NOT LOCATE ALL EXISTING WIRING DEVICES AND/OR EQUIPMENT WHICH MUST BE REMOVED, REWORKED OR RELOCATED, ETC. TO ACCOMMODATE DEMOLITION AND RECONSTRUCTION WORK IN THE EXISTING BUILDING. WHERE POSSIBLE, MAJOR PORTIONS OF THE ELECTRICAL SYSTEM HAVE BEEN SHOWN ON THE DRAWINGS TO ASSIST THE CONTRACTOR ONLY. FIELD OBSERVATIONS OF THE EXISTING CONDITIONS WILL GIVE THE CONTRACTOR THE MOST ACCURATE DETAIL AND BETTER UNDERSTANDING OF THE WORK INVOLVED.
- B. MAINTAIN AND RESTORE IF INTERRUPTED, ALL CONDUITS AND FEEDERS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREA.
- C. DISCONNECT AND REMOVE EXISTING ELECTRICAL WORK NOT NECESSARY FOR EXISTING OR NEW INSTALLATION, BUT INTERFERING WITH NEW INSTALLATION.
- D. ALL COST FOR CUTTING, PATCHING, AND PAINTING OF EXISTING WALLS, CEILINGS, AND FLOORS TO ACCOMMODATE THE INSTALLATION OF ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. MATERIALS FOR THE RESTORATION OF EXISTING SURFACES SHALL MATCH THE EXISTING MATERIALS.
- E. THE ELECTRICAL CONTRACTOR SHALL HAVE THE OPTION THAT, WHERE PRACTICAL, IT WILL BE ACCEPTABLE TO RE-USE EXISTING CONCEALED CONDUITS AND OUTLET BOXES REMAINING AFTER DEMOLITION WORK FOR NEW BRANCH CIRCUITING (e.g. CONDUIT BETWEEN SWITCH OUTLET BOX AND LIGHT FIXTURE OUTLET BOX). CONDUITS OR RACEWAYS BEING RE-USED MUST NOT BE DAMAGED, BUT BE IN GOOD PHYSICAL CONDITION, PROPERLY SUPPORTED AND UTILIZED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND NATIONAL ELECTRICAL CODE REQUIREMENTS GOVERNING THE INSTALLATION OF SAME. FIELD COORDINATE REMOVALS/DEMOLITION WITH GENERAL CONTRACTOR.
- F. WHERE EXISTING CIRCUITING IS DISTURBED BY DEMOLITION WORK, THE CONTRACTOR SHALL REWORK AND OR EXTEND EXISTING CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO ALL REMAINING LOADS ON THE AFFECTED CIRCUITS. WHERE WIRING FEEDING LIGHTING, RECEPTACLES, PANELBOARDS, ETC.. IN SPACES NOT INCLUDED IN THE ALTERATIONS ARE REQUIRED FOR REUSE AND ARE CUT; THEY SHALL BE EXTENDED AND RECONNECTED AS REQUIRED. WHEN MAKING SPLICES TO EXISTING CONDUCTORS, NEW CONDUCTORS SHALL MATCH EXISTING CONDUCTORS (COPPER OR ALUMINUM, AWG, SIZE, AND INSULATION), FIELD VERIFY PRIOR TO ORDERING WIRE.
- G. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY DISPOSE OF FLUORESCENT LAMPS AND PCB BALLASTS FROM REMOVED LIGHT FIXTURES AT THE OWNER'S DISCRETION. ALL DISPOSALS SHALL BE IN ACCORDANCE WITH LOCAL CODES AND CITY OF BUFFALO ORDINANCES.
- H. CONTRACTOR IS TO REPAIR/PATCH ANY FIREPROOFING DISTURBED DURING DEMOLITION.





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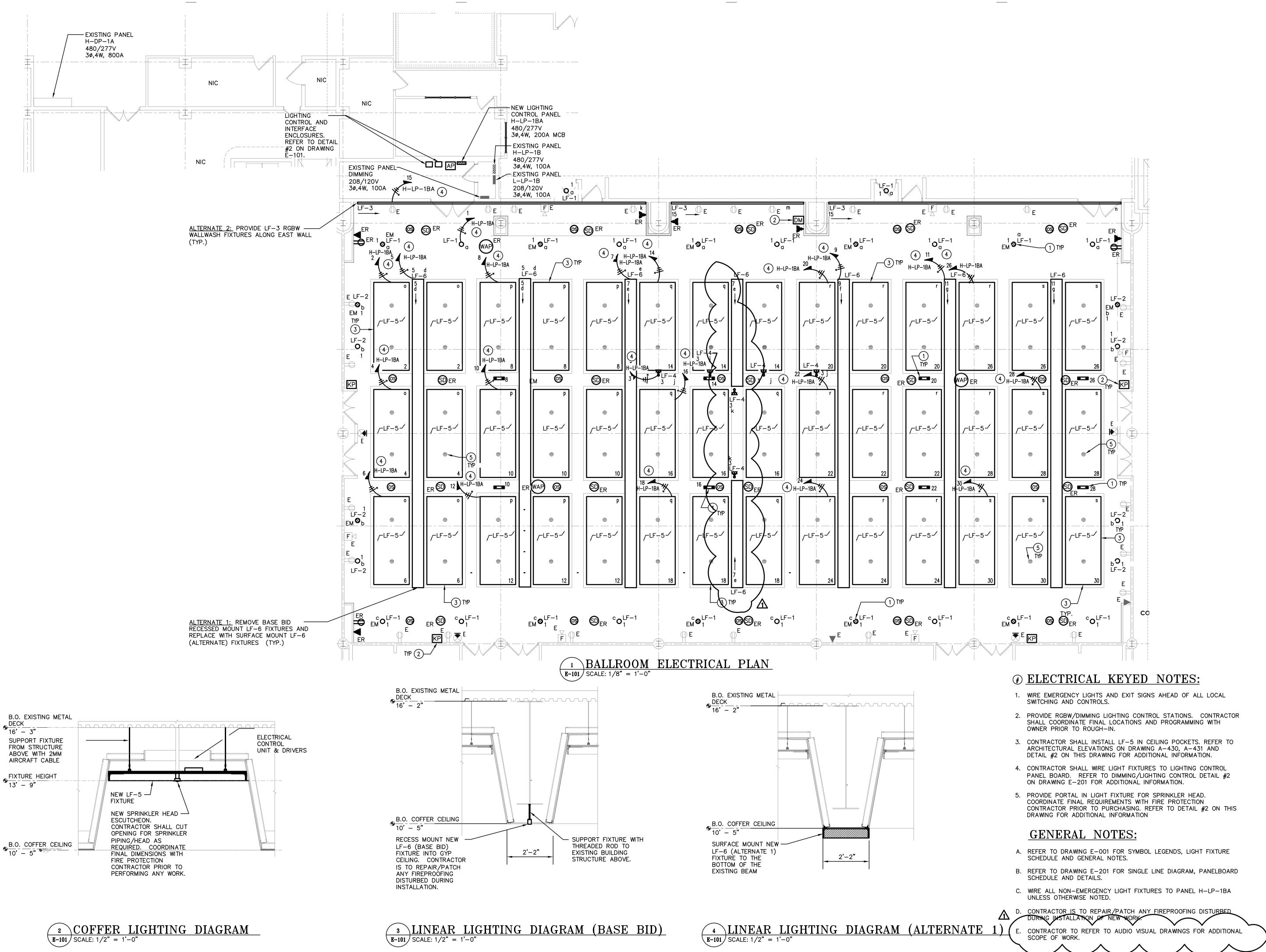
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4/29/2024

REVISIONS no. | Decription | ADDENDUM 5/16/24

ENLARGED BALLROOM ELECTRICAL DEMOLITION

A | r JOB NO.: 429.11 CLIENT NO: DRAWN BY: DPZ



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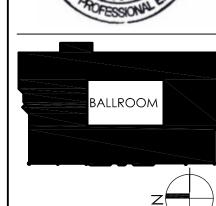
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BUFFALO CONVENTION CENTER BALLROOM RENOVATIONS

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1	ADDENDUM	5/16/24				

FIRST FLOOR BALLROOM ELECTRICAL PLAN

A | r JOB NO.: 429.11 CLIENT NO: DRAWN BY: DPZ

E-101

SECTION 260519 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Building wires and cables rated 600 V and less.
 - 2. Metal-clad cable, Type MC, rated 600 V or less.
 - 3. Connectors, splices, and terminations rated 600 V and less.
 - 4. Sleeves and sleeve seals for cables.
- B. Related Sections include the following:
 - 1. Division 26 Section "Voice and Data Communications Cabling" for cabling used for voice and data circuits.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Field quality-control test reports.

1.4 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Comply with NFPA 70.

1.5 COORDINATION

A. Set sleeves in cast-in-place concrete, masonry walls, and other structural components as they are constructed.

PART 2 - PRODUCTS

2.1 CONDUCTORS AND CABLES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. American Insulated Wire Corp.; a Leviton Company.
 - 2. General Cable Corporation.
 - 3. Senator Wire & Cable Company.
 - 4. Southwire Company.

- B. Copper Conductors: Comply with NEMA WC 70.
- C. Conductor Insulation: Comply with NEMA WC 70 for Types THHN/THWN-2.

2.2 METAL-CLAD CABLE, TYPE MC

A. Description: A factory assembly of one or more current-carrying insulated conductors in an overall metallic sheath.

B. Standards:

- 1. Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and use.
- 2. Comply with UL 1569.
- 3. RoHS compliant.
- 4. Conductor and Cable Marking: Comply with wire and cable marking according to UL's "Wire and Cable Marking and Application Guide."

C. Circuits:

- 1. Single circuit.
- 2. Power-Limited Fire-Alarm Circuits: Comply with UL 1424.
- D. Conductors: Copper, complying with ASTM B 3 for bare annealed copper and with ASTM B 8 for stranded conductors.
- E. Ground Conductor: Insulated.
- F. Conductor Insulation:
 - 1. Type TFN/THHN/THWN-2: Comply with UL 83, 1569 and 1063
- G. Armor: Aluminum, interlocked.

2.3 CONNECTORS AND SPLICES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. AFC Cable Systems, Inc.
 - 2. Hubbell Power Systems, Inc.
 - 3. O-Z/Gedney; EGS Electrical Group LLC.
 - 4. 3M; Electrical Products Division.
 - 5. Tyco Electronics Corp.
- B. Description: Factory-fabricated connectors and splices of size, ampacity rating, material, type, and class for application and service indicated.

2.4 SLEEVES FOR CABLES

A. Steel Pipe Sleeves: ASTM A 53/A 53M, Type E, Grade B, Schedule 40, galvanized steel, plain ends.

- B. Cast-Iron Pipe Sleeves: Cast or fabricated "wall pipe," equivalent to ductile-iron pressure pipe, with plain ends and integral waterstop, unless otherwise indicated.
- C. Sleeves for Rectangular Openings: Galvanized sheet steel with minimum 0.052- or 0.138-inch thickness as indicated and of length to suit application.
- D. Coordinate sleeve selection and application with selection and application of firestopping specified in Division 07 Section "Penetration Firestopping."

2.5 SLEEVE SEALS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Advance Products & Systems, Inc.
 - 2. Calpico, Inc.
 - 3. Metraflex Co.
 - 4. Pipeline Seal and Insulator, Inc.
- B. Description: Modular sealing device, designed for field assembly, to fill annular space between sleeve and cable.
 - 1. Sealing Elements: NBR interlocking links shaped to fit surface of cable or conduit. Include type and number required for material and size of raceway or cable.
 - 2. Pressure Plates: Stainless steel. Include two for each sealing element.
 - 3. Connecting Bolts and Nuts: Stainless steel of length required to secure pressure plates to sealing elements. Include one for each sealing element.

PART 3 - EXECUTION

3.1 CONDUCTOR MATERIAL APPLICATIONS

- A. Feeders: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.
- B. Branch Circuits: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.
- 3.2 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS
 - A. Exposed Feeders: Type THHN/THWN-2, single conductors in raceway.
 - B. Feeders Concealed in Ceilings, Walls, Partitions, and Crawlspaces: Type THHN/THWN-2, single conductors in raceway.
 - C. Feeders Concealed in Concrete, below Slabs-on-Grade, and Underground: Type THHN/THWN-2, single conductors in raceway.
 - D. Exposed Branch Circuits, Including in Crawlspaces: Type THHN/THWN-2, single conductors in raceway.
 - E. Branch Circuits Concealed in Ceilings, Walls, and Partitions: Type THHN-2-THWN-2, single conductors in raceway, metal-clad cable, Type MC.

- F. Branch Circuits Concealed in Concrete, below Slabs-on-Grade, and Underground: Type THHN-2-THWN-2, single conductors in raceway.
- G. Cord Drops and Portable Appliance Connections: Type SO, hard service cord with stainless-steel, wire-mesh, strain relief device at terminations to suit application.
- H. Class 1 Control Circuits: Type THHN/THWN-2, in raceway.
- I. Class 2 Control Circuits: Type THHN/THWN-2, in raceway.

3.3 INSTALLATION OF CONDUCTORS AND CABLES

- A. Conceal cables in finished walls, ceilings, and floors, unless otherwise indicated.
- B. Use manufacturer-approved pulling compound or lubricant where necessary; compound used must not deteriorate conductor or insulation. Do not exceed manufacturer's recommended maximum pulling tensions and sidewall pressure values.
- C. Use pulling means, including fish tape, cable, rope, and basket-weave wire/cable grips, that will not damage cables or raceway.
- D. Install exposed cables parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.
- E. Support cables according to Division 26 Section "Hangers and Supports for Electrical Systems."
- F. Identify and color-code conductors and cables according to Division 26 Section "Identification for Electrical Systems."
- G. Metal Clad Cable may be used only when approved by the local authority having jurisdiction and only for concealed branch circuit wiring starting ten (10) feet maximum from the first wiring device (Junction box is not a device) off of a rigid metallic homerun raceway.
- H. Metal Clad Cables (MC) shall not be used for feeders and branch circuit home runs.
- I. Metal Clad Cable (MC) shall be installed concealed for branch circuit power including receptacles and lighting in the following areas:
 - 1. Wiring above ceilings
 - 2. Wiring in metal stud and drywall walls.
 - 3. Rigid metallic raceway shall stub out from panelboards into accessible ceilings to within ten (10) feet maximum of the first wiring device (junction box is not a device). Rigid metallic raceway shall also be installed in block walls and in all exposed areas for similar branch circuiting.
 - 4. All metal clad cable shall be securely fastened to building frame on centers not exceeding six (6) feet within 12" of every outlet box or fitting with "caddy" type fasteners or approved equal means.
 - 5. All fittings used for metal clad cable be UL approved for the usage.

3.4 CONNECTIONS

- A. Tighten electrical connectors and terminals according to manufacturer's published torquetightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 486B.
- B. Make splices and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings than unspliced conductors.
- C. Wiring at Outlets: Install conductor at each outlet, with at least 12 inches of slack.

3.5 SLEEVE INSTALLATION FOR ELECTRICAL PENETRATIONS

- A. Coordinate sleeve selection and application with selection and application of firestopping specified in Division 07 Section "Penetration Firestopping."
- B. Concrete Slabs and Walls: Install sleeves for penetrations unless core-drilled holes or formed openings are used. Install sleeves during erection of slabs and walls.
- C. Use pipe sleeves unless penetration arrangement requires rectangular sleeved opening.
- D. Rectangular Sleeve Minimum Metal Thickness:
 - 1. For sleeve rectangle perimeter less than 50 inches and no side greater than 16 inches, thickness shall be 0.052 inch.
 - 2. For sleeve rectangle perimeter equal to, or greater than, 50 inches and 1 or more sides equal to, or greater than, 16 inches, thickness shall be 0.138 inch.
- E. Fire-Rated Assemblies: Install sleeves for penetrations of fire-rated floor and wall assemblies unless openings compatible with firestop system used are fabricated during construction of floor or wall.
- F. Cut sleeves to length for mounting flush with both wall surfaces.
- G. Extend sleeves installed in floors 2 inches above finished floor level.
- H. Size pipe sleeves to provide 1/4-inch annular clear space between sleeve and cable unless sleeve seal is to be installed.
- I. Seal space outside of sleeves with grout for penetrations of concrete and masonry and with approved joint compound for gypsum board assemblies.
- J. Interior Penetrations of Non-Fire-Rated Walls and Floors: Seal annular space between sleeve and cable, using joint sealant appropriate for size, depth, and location of joint according to Division 07 Section "Joint Sealants."
- K. Fire-Rated-Assembly Penetrations: Maintain indicated fire rating of walls, partitions, ceilings, and floors at cable penetrations. Install sleeves and seal with firestop materials according to Division 07 Section "Penetration Firestopping."
- L. Roof-Penetration Sleeves: Seal penetration of individual cables with flexible boot-type flashing units applied in coordination with roofing work.

- M. Aboveground Exterior-Wall Penetrations: Seal penetrations using sleeves and mechanical sleeve seals. Size sleeves to allow for 1-inch annular clear space between pipe and sleeve for installing mechanical sleeve seals.
- N. Underground Exterior-Wall Penetrations: Install cast-iron "wall pipes" for sleeves. Size sleeves to allow for 1-inch annular clear space between cable and sleeve for installing mechanical sleeve seals.

3.6 SLEEVE-SEAL INSTALLATION

- A. Install to seal underground exterior-wall penetrations.
- B. Use type and number of sealing elements recommended by manufacturer for cable material and size. Position cable in center of sleeve. Assemble mechanical sleeve seals and install in annular space between cable and sleeve. Tighten bolts against pressure plates that cause sealing elements to expand and make watertight seal.

3.7 FIRESTOPPING

A. Apply firestopping to electrical penetrations of fire-rated floor and wall assemblies to restore original fire-resistance rating of assembly according to Division 07 Section "Penetration Firestopping."

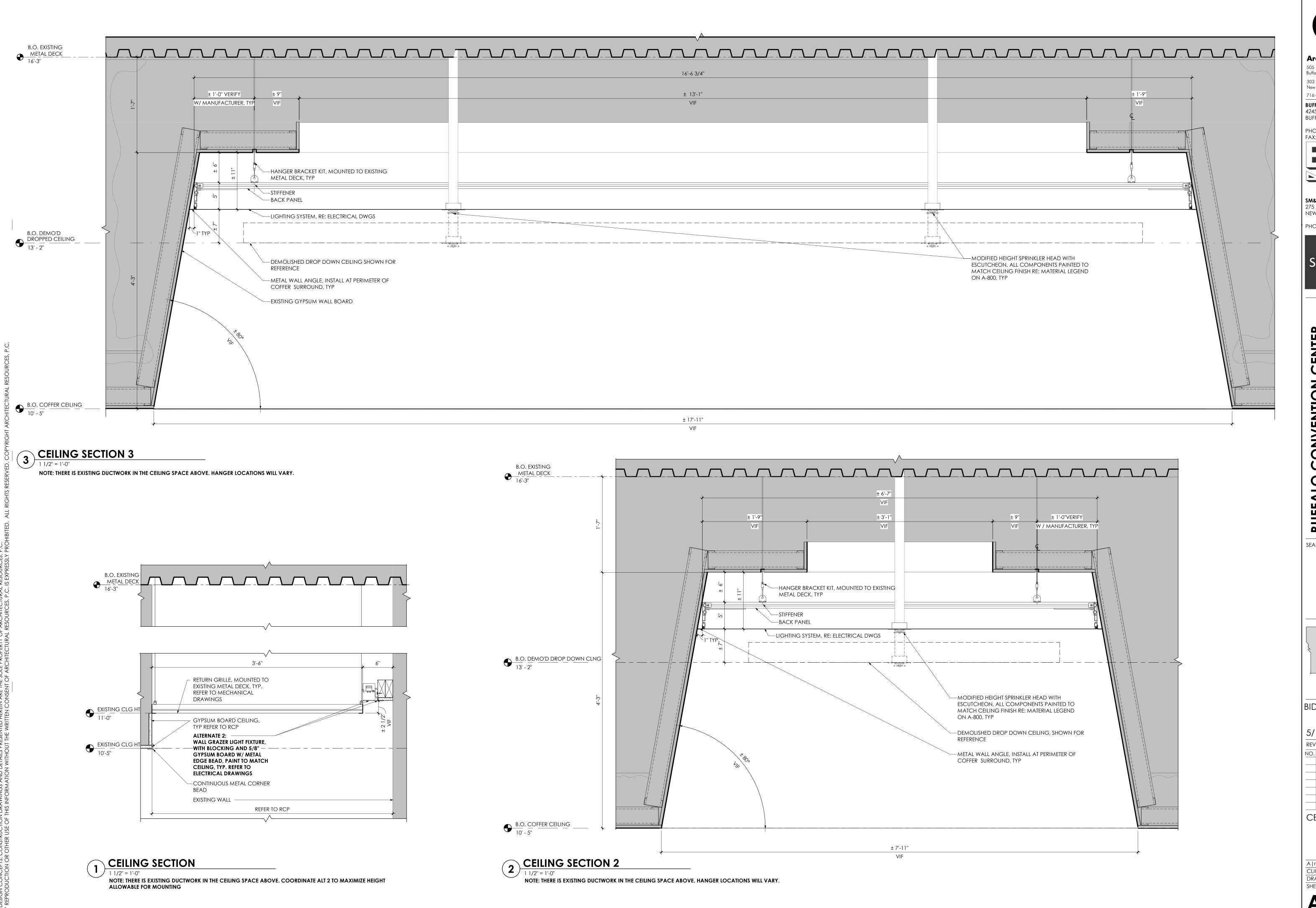
3.8 FIELD QUALITY CONTROL

- A. Perform tests and inspections and prepare test reports.
- B. Tests and Inspections:
 - 1. After installing conductors and cables and before electrical circuitry has been energized, test service entrance and feeder conductors, for compliance with requirements.
 - 2. Perform each visual and mechanical inspection and electrical test stated in NETA Acceptance Testing Specification. Certify compliance with test parameters.
 - 3. Infrared Scanning: After Substantial Completion, but not more than 60 days after Final Acceptance, perform an infrared scan of each splice in cables and conductors No. 3 AWG and larger. Remove box and equipment covers so splices are accessible to portable scanner.
 - a. Follow-up Infrared Scanning: Perform an additional follow-up infrared scan of each splice 11 months after date of Substantial Completion.
 - b. Instrument: Use an infrared scanning device designed to measure temperature or to detect significant deviations from normal values. Provide calibration record for device.
 - c. Record of Infrared Scanning: Prepare a certified report that identifies splices checked and that describes scanning results. Include notation of deficiencies detected, remedial action taken, and observations after remedial action.
- C. Test Reports: Prepare a written report to record the following:
 - 1. Test procedures used.
 - 2. Test results that comply with requirements.
 - 3. Test results that do not comply with requirements and corrective action taken to achieve compliance with requirements.

Erie County Department of Public Works Buffalo Convention Center Interior Renovations 100% Construction Documents DPW Project 2022-818-02 A|r 429.11

D. Remove and replace malfunctioning units and retest as specified above.

END OF SECTION 26 0519



Architectural Resources 505 Franklin St Buffalo, New York 14202 303 West 13th Street New York, New York 10014 716-883-5566 716-883-5569 fax **BUFFALO ENGINEERING, P.C.** 4245 UNION RD SUITE 204 BUFFALO, NY 14225 PHONE:716-633-5300 FAX: 716-633-5598 275 MADISON AVENUE NEW YORK, NY 10016 PHONE: 212-725-6800 SM&W CONVENTION CENTER
M RENOVATIONS

BALLROOM

BID DOCUMENTS

5/1/2024

REVISIONS
NO. DECRIPTION DA

CEILING SECTIONS

A | r JOB NO.: 429.11
CLIENT NO:
DRAWN BY: AMR
SHEFT NO:

A-431



December 14, 2023

James Mauer Architectural Resources 505 Franklin St Buffalo, NY 14202

Re: Pre-Renovation Asbestos-Containing Materials, Lead-Based Paint, Exterior PCB-Containing Materials and Inspection Report
Buffalo Convention Center Interior Renovations
153 Franklin St
Buffalo, NY 14202
SET# 4207

Dear James Mauer:

Enclosed please find a copy of the Asbestos-Containing Materials, Lead-Based Paint and Exterior PCB-Containing Materials Inspection Report for the Buffalo Convention Center Interior Renovations, located at 153 Franklin Street in Buffalo, New York. Should you have any questions please do not hesitate to contact our office at 716.332.3134. Thank you for the opportunity to be of service to Architectural Resources.

Sincerely,

Sean Fitzgerald Operations Manager

Enclosures

Pre-Renovation Asbestos-Containing Materials, Lead-Based Paint and Exterior PCB-Containing Materials Inspection Report

OF THE:

Buffalo Convention Center Interior Renovations 153 Franklin St Buffalo, NY 14202 SET# 4207

PREPARED BY:



PREPARED FOR:

Architectural Resources 505 Franklin St Buffalo, NY 14202

CONDITIONS AS OF:

November 13,2023



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1 Introduction

Sienna Environmental Technologies (Sienna) was retained by Architectural Resources to perform an inspection of Buffalo Niagara Convention Center located at 153 Franklin St Buffalo, NY 14202 to determine the presence of asbestos-containing materials, lead-based painted/coated materials and exterior PCB-containing caulks, glazing and sealants prior to work associated with the Buffalo Convention Center Interior Renovations project.

The inspection was conducted on November 13, 2023.

The scope of inspection work provided is as indicated in the proposal for Inspection Services dated May 19, 2022, and includes the following:

- Project Objectives from proposal:
 - A focus on interior renovations and upgrades located in the ballroom, breakout meeting rooms and corridors. Scope of work will include but may not be limited to the following; a complete overhaul of existing A/V systems including speakers, microphones and modern presentation system in the ballroom of the Buffalo Convention Center as well as in select meeting rooms, interior finish upgrades (walls, floors and ceilings), reconfiguration of the ceiling layout as needed, HVAC upgrades within some meeting rooms with local climate control for that given room, furniture selection, interior doors and door hardware, interior lighting, rewiring of light switches and controls, conforming to accessibly guidelines, and any associated MEP upgrades.

Sienna was charged with conducting the following tasks for this project:

- 1. Conducting an asbestos inspection in accordance with all applicable regulations,
- 2. Performing an inspection via X-Ray Florescence (XRF) for lead in accordance with all applicable regulations and guidelines,
- 3. Sampling exterior caulks, glazing and sealants for PCB-containing materials in accordance with all applicable regulations and guidelines, and
- 4. Providing a summary report of findings.

This report is generated for the exclusive use of the client and is <u>not designed to serve as a specification</u> <u>for abatement</u>. The owner is strongly encouraged to contract with a consultant having a current Asbestos Project Designer Certificate as issued by New York State Department of Labor for the preparation of contract specifications, work plans, and/or drawings prior to requesting bids for the abatement or removal of the materials identified in this report.



2 Asbestos-Containing Materials Inspection

2.1 Methodology

All asbestos inspection work performed by Sienna Environmental Technologies was conducted in accordance with applicable regulations including New York State Department of Labor standards 12 NYCRR Part 56, National Emission Standards for Hazardous Air Pollutants (NESHAPS), the Asbestos Hazard Emergency Response Act, and Occupational Safety and Health Administration regulations. All Sienna Environmental Technologies' personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training and New York State Department of Labor Division of Safety and Health certification program.

Based on the functional spaces and homogeneous areas (materials uniform in color or texture) identified by Sienna, samples of suspect materials were collected. Techniques used for sample collection were designed to minimize damage to suspected areas, reduce any potential for fiber release, and ensure the safety of the inspector and building occupants.

Samples were analyzed using Polarized Light Microscopy (PLM) in accordance with NYS DOH ELAP Item #198.1 or #198.6. For materials classified as non-friable organically bound materials (NOBs) that were analyzed as equal to or less than 1% asbestos by PLM, additional analysis was performed under Transmission Electron Microscopy (TEM) in accordance with NYS DOH ELAP Item #198.4. The results of this analysis confirmed whether or not a suspect material actually contained asbestos. The confirmed materials and all assumed materials are listed in **Section 2.3 Confirmed Asbestos-Containing Materials and Section 2.4 Assumed Asbestos-Containing Suspect Materials**.

Although the report is a comprehensive analysis of the asbestos inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of asbestos-containing materials (ACM). The following is a list of suggested reading and information sources relating to asbestos:

- New York State Department of Labor Industrial Code Rule 56
- Occupational Safety and Health Administration
- Environmental Protection Agency Rule CFR 763.86 Asbestos Hazard Emergency Response Act
- Environmental Protection Agency Rule 40 CFR, Chapter 61, Subpart M of the National Emission Standards for Hazardous Air Pollutants (NESHAPS)



2.2 Executive Summary

The asbestos inspection included identification, sampling, analysis, and quantification of suspect materials that may be disturbed by the project. By definition an Asbestos-Containing Material (ACM) is any material which contains greater than one percent (>1%) asbestos. Materials which contain asbestos in measurable concentrations less than or equal to one percent (≤1%) are reported as containing "trace" amounts.

Copies of all laboratory analysis reports and chains of custody listing locations of sample collection are located in Appendix C. Refer to floor plans located in Appendix E for specific sample location points. Refer to Appendix F for a summary of all functional spaces which were included as part of this inspection service. For explanation of inspection notes, refer to Section 2.7 for note details and specific comments.

2.3 Confirmed Asbestos-Containing Materials

All sampled materials have been analyzed by current EPA AHERA and ELAP protocols. No identified suspect materials have been confirmed to be Asbestos-Containing Materials. Refer to Section 2.4 and 2.5.

2.4 Assumed Asbestos-Containing Suspect Materials

No suspect Asbestos-Containing Materials have been assumed to be Asbestos-Containing Materials. Refer to Sections 2.3 and 2.5.

2.5 Confirmed Non-Asbestos Containing Materials

These materials were sampled and analyzed by current EPA AHERA and ELAP protocols and were proven to contain one percent asbestos or less (≤1%).

HAN Number	Material Description	Comments
WALLS (100s)		
100.1	Gypsum Board	
100.2	Joint Compound	
CEILINGS (200s	3)	
200.1	Acoustical Plaster Skim Coat	Note 1
200.2	Acoustical Plaster Base Coat	Note 1
FLOORS (300s)		
300.1	Quarry Tile Grout	
300.2	Quarry Tile Mud Set	
THERMAL SYS	TEM INSULATION (500s)	
500	Spray on Fireproofing	Note 1
MISCELLANEO	US (600s)	
600	Wall Carpet Mastic - Tan	Trace <1%
601	Duct Seam Mastic - Tan	
602	Floor Leveler - Grey	
603	Cove Base Mastic - Light Tan	



2.6 Summary Table of Asbestos-Containing Materials

All sampled materials have been analyzed by current EPA AHERA and ELAP protocols. No identified suspect materials have been confirmed to be Asbestos-Containing Materials, and none were assumed to be ACM.

Refer to Section 2.3, 2.4 and 2.5.

2.7 Inspection Notes

Note #	Description
1	Review of client supplied documents identified that the material had been previously sampled and analyzed by all current NYSDOL and ELAP protocols and determined to contain less than 1%
	asbestos. Please refer to the previous inspection reports located in Appendix F of this report.



3 Lead-Based Paint Inspection

3.1 Methodology

Sienna Environmental Technologies used a spectrum analyzer (Refer to Appendix D for additional information) to test painted or coated surfaces included in the scope of work. The analyzer measures the amount of lead in painted surfaces using X-Ray Fluorescence technology (XRF). The analyzer uses a radioactive source which locates lead atoms in painted surfaces and measures the concentration in milligrams per square centimeter. If necessary, paint chip samples were also collected as part of this inspection. Representative surfaces/components were tested in a manner designed to adequately represent the different components, substrates, types of paint, construction and paint history. Various federal, state and local laws, rules, regulations and guidelines may be applicable to this project as it relates to Lead-Based Paint/coatings (LBP) including but not limited to:

- 1. Lead-Based Paint Renovation, Repair and Painting Regulation Rule (40 CFR Part 745.8 Subpart E (EPA))
- 2. Lead Safe Housing Rule (HUD 24 CFR Part 35)
- 3. Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (US Department of Housing and Urban Development (HUD))
- 4. Occupational Safety and Health Administration (OSHA 29 CFR 1910 and 1926)
- 5. New York State Education Department (NYSED)
- 6. State of New York codes and laws
- 7. All local codes
- 8. All federal codes
- 9. US-DOT 49 CFR

The most recent edition of any relevant regulation, standard, document, or code shall be applicable to the work. Where conflict among the requirements exists, the most stringent requirements are generally applicable.



3.2 HUD/ EPA Standards

Certain HUD and EPA standards apply to "Lead-Based Paint" which is any paint or coating which contains lead at or above 1.0 mg/cm² (via XRF), or 0.5 percent by weight (paint chip). Analysis indicated that components, listed in Section 3.3, have a lead content equal to or greater than the HUD/EPA standard for Lead-Based Paint.

3.3 Summary Table of Lead-Based Painted/Coated Materials

Functional Space ID/ Description		Approximate Quantity	Condition	Positive or Homogeneous with Shot #					
100-BR – Main Ballroom	No Lead-Based Painted/Coated components were detected within the scope of work.								

The presence of lead in surfaces that were analyzed as less than 0.5 percent lead by weight or in measurable amounts but less than 1.0 mg/cm² is a consideration for the purposes of complying with OSHA regulations. Refer to Section 3.4 for details.

3.4 OSHA Regulations

On May 4, 1993, OSHA promulgated the Lead Exposure in Construction Rule (29 CFR Part 1926.62). This regulation applies to all construction activities involving potential lead exposures. This regulation applies when lead is present in any detectible amount and is not limited to HUD's definition of Lead-Based Paint. Surface abrading and demolition activities may release lead from unpainted materials which contain lead such as glazed ceramic tile and porcelain, or enameled wall panels. Although these items do not meet HUD's definition of Lead-Based Paint and need not be included in disclosure under the Lead Disclosure Rule (Refer to Section 3.5), they have been included for reference in Section 3.3 above.



3.5 Disclosure Requirements

If the subject property of this report is target housing, the owner has certain responsibilities under the Lead Disclosure Rule when the property is being sold or leased, or when a lease is being renewed with revisions. In general, lead disclosure is required in these circumstances, except that disclosure does not have to be made when the target housing is being leased if the inspection has found that it is Lead-Based Paint free.

Per 40 CFR Part 745 "Target Housing" is defined as: any housing constructed prior to 1978, except housing for the elderly or persons with disabilities (unless any child who is less than 6 years of age resides or is expected to reside in such housing); or any 0-bedroom dwelling.

Results of this inspection must be provided to new lessees (tenants) and prospective buyers of this property under Federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must be provided by the owner to prospective buyers and it must be made available to prospective tenants and to renewing tenants if they have not been provided the information previously. The Inspector's plain language summary of the report must be provided to the client (e.g., property owner or manager) when the complete report is provided. The landlord (lessor) or seller is also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include the Lead Warning Statement in the lease or sale contracts to ensure that parents have the information they need to protect their children from Lead-Based Paint hazards. Complete disclosure requires the landlord/sellers and renters/buyers (and their agents) to sign and date an acknowledgement that the required information and materials were provided and received. Also, prospective buyers must be provided the opportunity to have their own Lead-Based Paint inspection, lead hazard screen or risk assessment performed before the purchase agreement is signed; the standard period is 10 days, but this period may be changed or waived by agreement between the seller and prospective buyer. EPA regulations require the inspector to keep the inspection report for at least 3 years. (See Section IV of Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing for further details; see www.hud.gov/lead.)



4 PCB Inspection

4.1 Methodology

Sienna Environmental Technologies identified suspect exterior PCB-containing caulk, glazing, or other sealant on building components that are included in the scope of work.

The inspection was performed in conformance with all applicable federal, state and local rules, laws, regulations and/or guidelines. The US EPA's specified limit for PCB content/concentration is 50 ppm (parts per million) or 50 mg/kg (milligrams per kilogram) by weight.

The laboratory used for bulk sample analysis was approved by NYS ELAP and AIHA or NVLAP and performed laboratory analysis by EPA Method 8082. The laboratory results are reported in mg/Kg (milligrams per kilogram) which equates to ppm (parts per million). Copies of all laboratory analysis reports and chains of custody listing locations of sample collection are located in Appendix C.

4.2 Suspect PCB-Containing Materials

The inspection revealed that no suspect materials were observed within the project area.



Appendix A

General Conditions of Inspection

- 1. Sienna Environmental Technologies, LLC neither accepts nor implies any liability for the implementation of the recommendations found within this report.
- 2. This inspection was limited to areas accessible to the inspector. Sienna Environmental Technologies, LLC neither accepts nor implies any liability for hazardous materials that may be present in other areas of the building.
- 3. The results of the laboratory analytical reports that may be contained herein are the product of the knowledge, experience and expertise of the laboratory retained to perform such services. Sienna Environmental Technologies neither accepts nor implies any liability for sample analysis reports compiled by others.
- 4. This report is based on the condition and contents present at the site on the day of the inspection. Sienna Environmental Technologies, LLC is not liable for materials, chemicals or other substances of concern that may have been removed from the site, cleaned or disposed of prior to the inspection date or subsequent to that date.
- 5. An inspection for Asbestos-Containing Materials, Lead-Based Paint or PCB-Containing Materials relies heavily upon identification of homogeneous areas, with subsequent sampling and laboratory analysis determined by: the quantity of surfaces identified, generally accepted inspection protocols, regulatory requirements, and the inspector's judgment. Specific sample locations are determined with the objective of selecting representative samples. As with any type of sampling, the possibility of obtaining a false positive or false negative does exist, is inherent in the sampling process, and can at times result from the uneven distribution of target analytes within the suspect material. The comprehensive inspection protocol developed and utilized by Sienna Environmental Technologies, LLC attempts to minimize the risk of a false positive or false negative result. However, the client is advised that the risk of false positives or false negatives cannot be completely eliminated.



Appendix B

Certifications and Licenses

WE ARE YOUR DOL



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Sienna Environmental Technologies, LLC 350 Elmwood Avenue, Buffalo, NY, 14222

License Number: 29432

License Class: RESTRICTED
Date of Issue: 02/28/2023

Expiration Date: 03/31/2024

Duly Authorized Representative: Susanne Kelley

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director

For the Commissioner of Labor

United States Environmental Protection Agency This is to certify that

Sienna Environmental Technologies, LLC

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires

November 20, 2024

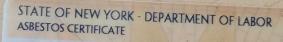
LBP-599-2 Certification # June 15, 2021

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch







AARON G PLACE CLASS(EXPIRES) C ATEC(02/24) D INSP(02/24) H PM (02/24)

> CERT# 22-11934 DMV# 800674205

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 006455487 @7

EYES HAZ HAIR BRO

HGT 5' 11"

IF FOUND RETURN TO: NYSDOL - L&C UNIT ROOM 161A BUILDING 12

STATE OFFICE CAMPUS

ALBANY NY 12240

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2024 Issued April 01, 2022 Revised March 30, 2023

NY Lab Id No: 10984

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CORY M. PARNELL AMERISCI RICHMOND 13635 GENITO RD MIDLOTHIAN, VA 23112

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual Asbestos-Vermiculite-Containing Mate Item 198.8 of Manual



Serial No.: 66278

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/, by phone (518) 485-5570 or by email to elap@health.ny.gov.



Appendix C

Chains of Custody and Laboratory Reports

AmeriSci Richmond



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: 8047631200 FAX: 8047631800

November 17, 2023

Sienna Environmental Technologies, LLC Attn: Susanne Kelley 350 Elmwood Ave Buffalo, NY 14222

RE: Sienna Environmental Technologies, LLC
Job Number 123111460
P.O. #4207
4207; Architectural Resources/James Mauer; Buffalo Convention Center Interior Renovations; 153
Franklin St, Buffalo 14202

Dear Susanne Kelley:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following Sienna Environmental Technologies, LLC samples, received at AmeriSci on Tuesday, November 14, 2023, for a 3 day turnaround:

20231113-4207-100.1-1, 20231113-4207-100.1-2, 20231113-4207-100.2-1, 20231113-4207-100.2-2, 20231113-4207-300.1-1, 20231113-4207-300.1-2, 20231113-4207-300.2-1, 20231113-4207-300.2-2, 20231113-4207-600-1, 20231113-4207-600-2, 20231113-4207-601-1, 20231113-4207-601-2, 20231113-4207-602-1, 20231113-4207-602-2, 20231113-4207-603-1, 20231113-4207-603-2

The 16 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 7088 6977 9762 B 1010. Sienna Environmental Technologies, LLC requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction and TEM analysis results are listed in Table I. Complete PLM results for individual samples analyzed by ELAP 198.1 (friable) and ELAP 198.6 (NOB) are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Cory M. Parnell

Laboratory Director | Authorized Signatory



AmeriSci Richmond

13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Attn: Susanne Kellev

350 Elmwood Ave

Buffalo, NY 14222

ELAP#

11/14/23

AmeriSci Job #

123111460

Date Examined

11/16/23

10984

P.O. # Page

1 **of**

RE: 4207; Architectural Resources/James Mauer; Buffalo

Convention Center Interior Renovations; 153 Franklin St, Buffalo

14202

Client No. / HGA	Lab No	. Asbestos Present	Total % Asbestos		
20231113-4207-100.1- 100.1 Loc	-1 123111460- cation: Gypsum; 100BR	-01 No	NAD (by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Types:	Off-White, Heterogeneous, Non-Fibro	ous, Bulk Material	5		
20231113-4207-100.1-	-2 123111460-	-02 No	NAD		
	ation: Gypsum; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Types:	Off-White, Heterogeneous, Non-Fibro Cellulose 3.0%, Non-fibrous 97%	ous, Bulk Material			
20231113-4207-100.2-	-1 123111460-	.03 No	NAD		
	ation: Joint Compound; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Types:	White, Heterogeneous, Non-Fibrous, Non-fibrous 100%	Bulk Material			
20231113-4207-100.2-	-2 123111460-	-04 No	NAD		
100.2 Loc	ation: Joint Compound; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Types:	White, Heterogeneous, Non-Fibrous, Non-fibrous 100%	Bulk Material			
20231113-4207-300.1-	-1 123111460-	-05 No	NAD		
300.1 Loc	ation: Quarry Tile Grout; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Types:	Gray, Heterogeneous, Non-Fibrous, 0 Non-fibrous 100%	Cementitious, Bulk Material	5 1 15.25		

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos Report

4207; Architectural Resources/James Mauer; Buffalo Convention Center Interior Renovations; 153 Franklin St, Buffalo 14202

Client No. / HGA		Lab No.	Asbestos Present	Total % Asbestos		
20231113-4207-300 300.1		123111460-06 ry Tile Grout; 100BR	No	NAD (by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Type	•	geneous, Non-Fibrous, Cementi 00%	tious, Bulk Material			
20231113-4207-300	.2-1	123111460-07.1	No	NAD		
300.2 L	.ocation: Quarr	y Tile Mudset; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Type	•	geneous, Non-Fibrous, Cementi 100%	tious, Base Coat (Plaster)			
20231113-4207-300	.2-1	123111460-07.2	No	NAD		
300.2 L	ocation: Quarr	y Tile Mudset; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Type		ogeneous, Non-Fibrous, Cement	titious, Skim Coat (Plaster)			
20231113-4207-300	.2-2	123111460-08.1	No	NAD		
300.2 L	.ocation: Quarr	y Tile Mudset; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbestos Type	•	geneous, Non-Fibrous, Cementi 100%	tious, Base Coat (Plaster)			
20231113-4207-300	.2-2	123111460-08.2	No	NAD		
300.2 L	ocation: Quarr	y Tile Mudset; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Analyst Descriptio	n: White, Heterd	ogeneous, Non-Fibrous, Cemen	titious, Skim Coat (Plaster)			

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos Report

4207; Architectural Resources/James Mauer; Buffalo Convention Center Interior Renovations; 153 Franklin St, Buffalo 14202

Total % Asbestos Client No. / HGA **Asbestos Present** Lab No. 20231113-4207-600-1 123111460-09 No NAD (NOB by NYS ELAP 198.6) Location: Wall Carpet Mastic; 100BR 600 by Daisha Addison on 11/16/23

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Bulk Material

Asbestos Types:

Other Material: Non-fibrous 56%

Comment: Heat Sensitive (organic): 20.8%; Acid Soluble (inorganic): 22.5%; Inert (Non-asbestos): 56.7%

20231113-4207-600-2 123111460-10 Yes Trace (<0.3 % pc)

(NOB by EPA 600/M4-82-020) 600 Location: Wall Carpet Mastic; 100BR by Daisha Addison

on 11/16/23

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Bulk Material

Asbestos Types: Chrysotile <0.3 % pc Other Material: Non-fibrous 16%

Comment: Heat Sensitive (organic): 20.5%; Acid Soluble (inorganic): 63.1%; Inert (Non-asbestos): 16.3%

20231113-4207-601-1 123111460-11 No NAD

601 by Daisha Addison

on 11/16/23

(NOB by NYS ELAP 198.6)

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Bulk Material

Location: Duct Seam Mastic - Tan; 100BR

Asbestos Types:

Other Material: Non-fibrous 37%

Comment: Heat Sensitive (organic): 57.8%; Acid Soluble (inorganic): 4.4%; Inert (Non-asbestos): 37.8%

20231113-4207-601-2 123111460-12 NAD No

Location: Duct Seam Mastic - Tan; 100BR (NOB by NYS ELAP 198.6) 601 by Daisha Addison

on 11/16/23

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Bulk Material

Asbestos Types:

Other Material: Non-fibrous 38%

Comment: Heat Sensitive (organic): 57.3%; Acid Soluble (inorganic): 3.9%; Inert (Non-asbestos): 38.8%

20231113-4207-602-1 123111460-13 No NAD

(by NYS ELAP 198.1) Location: Floor Leveler - Grey; 100BR 602 by Daisha Addison

on 11/16/23

Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material

Asbestos Types:

Other Material: Non-fibrous 100%

Client Name: Sienna Environmental Technologies, LLC

PLM Bulk Asbestos Report

4207; Architectural Resources/James Mauer; Buffalo Convention Center Interior Renovations; 153 Franklin St, Buffalo 14202

Client No. / HGA 20231113-4207-602-2		Lab No.	Asbestos Present	Total % Asbestos		
		123111460-14	No			
602	Location: Floo	or Leveler - Grey; 100BR		(by NYS ELAP 198.1) by Daisha Addison on 11/16/23		
Asbe	stos Types:	ogeneous, Non-Fibrous, Bulk Mat	erial			
Oth		s 100%				
		123111460-15	No	NAD		

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Bulk Material

Asbestos Types:

Other Material: Non-fibrous 24%

Comment: Heat Sensitive (organic): 43.3%; Acid Soluble (inorganic): 32.2%; Inert (Non-asbestos): 24.5%

20231113-4207-603-2 123111460-16 No NAD

> (NOB by NYS ELAP 198.6) by Daisha Addison on 11/16/23

Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Bulk Material

Location: Cove Base Mastic - Light Tan; 100BR

Asbestos Types:

603

Other Material: Non-fibrous 33%

Comment: Heat Sensitive (organic): 42.3%; Acid Soluble (inorganic): 23.8%; Inert (Non-asbestos): 33.9%

Reporting Notes:

Analyzed by: Daisha Addison Date: 11/16/2023

Dausha Oddison

Reviewed by: Cory M. Parnell

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Meiji, Model MT 6120 microscope, Serial #2200363, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

AmeriSci Job #: **123111460** Page 1 of 2

Client Name: Sienna Environmental Technologies, LLC

Table I Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

4207; Architectural Resources/James Mauer; Buffalo Convention Center Interior Renovations; 153 Franklin St, Buffalo 14202

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20231113-4207-100.1-1	100.1					NAD	NA
Location	: Gypsum; 100BR							
02	20231113-4207-100.1-2	100.1					NAD	NA
Location	: Gypsum; 100BR							
03	20231113-4207-100.2-1	100.2					NAD	NA
Location	: Joint Compound; 100BR							
04	20231113-4207-100.2-2	100.2					NAD	NA
Location	: Joint Compound; 100BR							
05	20231113-4207-300.1-1	300.1					NAD	NA
Location	: Quarry Tile Grout; 100BR							
06	20231113-4207-300.1-2	300.1					NAD	NA
Location	: Quarry Tile Grout; 100BR							
07.1	20231113-4207-300.2-1	300.2					NAD	NA
Location	: Quarry Tile Mudset; 100BR							
07.2	20231113-4207-300.2-1	300.2					NAD	NA
Location	: Quarry Tile Mudset; 100BR							
08.1	20231113-4207-300.2-2	300.2					NAD	NA
Location	: Quarry Tile Mudset; 100BR							
08.2	20231113-4207-300.2-2	300.2					NAD	NA
Location	: Quarry Tile Mudset; 100BR							
09	20231113-4207-600-1	600	0.865	20.8	22.5	56.7	NAD	NAD
Location	: Wall Carpet Mastic; 100BR							
10	20231113-4207-600-2	600	0.417	20.5	63.1	16.3	Chrysotile <0.3	NAD
Location	: Wall Carpet Mastic; 100BR							
11	20231113-4207-601-1	601	0.147	57.8	4.4	37.8	NAD	NAD
Location	: Duct Seam Mastic - Tan; 100Bl	R						
12	20231113-4207-601-2	601	0.110	57.3	3.9	38.8	NAD	NAD
Location	: Duct Seam Mastic - Tan; 100Bl	R						
13	20231113-4207-602-1	602					NAD	NA
Location	: Floor Leveler - Grey; 100BR							
14	20231113-4207-602-2	602					NAD	NA
Location	: Floor Leveler - Grey; 100BR							

See Reporting notes on last page

AmeriSci Job #: 123111460 Page 2 of 2

Client Name: Sienna Environmental Technologies, LLC

Table I Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

4207; Architectural Resources/James Mauer; Buffalo Convention Center Interior Renovations; 153 Franklin St, Buffalo 14202

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
15	20231113-4207-603-1	603	0.642	43.3	32.2	24.5	NAD	NAD
Location:	Cove Base Mastic - Light Tan;	100BR						
16	20231113-4207-603-2	603	0.590	42.3	23.8	33.9	NAD	NAD
Location:	Cove Base Mastic - Light Tan;	100BR						

Analyzed by: Cory M. Parnell

Date: 11/17/2023

Reviewed by: Cory M. Parnell

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

Bulk Chain of Custody



350 Elmwood Ave. | Buffale NY 14222 | 716 332.3134

83 Fall St. | Sonoca Falls NY 13148 | 315.257.0270

Email Rep	ort to:	Labresu	ılts@S	SiennaET.com	Turn Around Time
					☐ RUSH
Client/Con	tact:	Archited	ctural F	Resources	
		James I	Mauer		☐ 48 Hour
Project/Lo	cation:	Buffalo	Conve	ention Center Interior Renovations	⊠ 72 Hour
		153 Fra	ınklin S	St Buffalo 14202	☐ 5 Day
Project No	.:	4207			Other:
Analys	sis Requ	ested:		Protocol:	Notes:
PLM	KI		ĺΧΙ	Negative PLM to TEM per ELAP protocols	
TEM	M		X	Positive Stop by HAN-ID#	
PCB	Ш			Layered analysis requested for:	
Other:			16	Total # of Samples	
s	ample N	ame			
Date	Project		ID#	Description of Sample	Location of Sample
20231113	4207	100.1	1	Gypsum	100BR
20231113	4207	100.1	2	Gypsum	100BR
20231113	4207	100.2	1	Joint Compound	100BR
20231113	4207	100.2	2	Joint Compound	100BR
20231113	4207	300.1	1	Quarry Tile Grout	100BR
20231113	4207	300.1	2	Quarry Tile Grout	100BR
20231113	4207	300.2	1	Quarry Tile Mudset	100BR
20231113	4207	300.2	2	Quarry Tile Mudset	100BR
20231113	4207	600	, 1 ¹	Wall Carpet Mastic	100BR
20231113	4207	600	2	Wall Carpet Mastic	100BR
20231113	4207	601	, 1 ¹	Duct Seam Mastic - Tan	100BR
20231113	4207	601	2	Duct Seam Mastic - Tan	100BR
20231113	4207	602	1	Floor Leveler - Grey	100BR
20231113	4207	602	2	Floor Leveler - Grey	100BR
20231113	4207	603	. 1	Cove Base Mastic - Light Tan	100BR
20231113	4207	603	2	Cove Base Mastic - Light Tan	100BR
			1		
			2		
			3		
			4		
			5		
, '			6		
			7		Received

Sampled by: Aara Place Relinquished by: Aara Place

Recieved by:

Date: 11/13/2Date + Time: 11/13/23 - 1345 Date + Time:

NOV 1 4 2023



Appendix D

XRF Spectrum Analyzer Report and Instrument Information



SIGNED: Aaron Place

LEAD PAINT INSPECTION REPORT

Architectural Resources	
CLIENT	
450 5	
153 Franklin St Buffalo, NY 14202	
INSPECTION LOCATION	
11/13/2023	
INSPECTION DATE(s)	
INOI ECTION DATE(9)	
Heuresis Corp. Pb200i	
XRF INSTRUMENT TYPE	
2148	
XRF INSTRUMENT SERIAL NUMBER	
1.0 mg/cm ²	
ACTION LEVEL	

DATE: November 13, 2023

Company Heuresis Corp.

Model Pb200i

Type XRF Lead Paint Analyzer

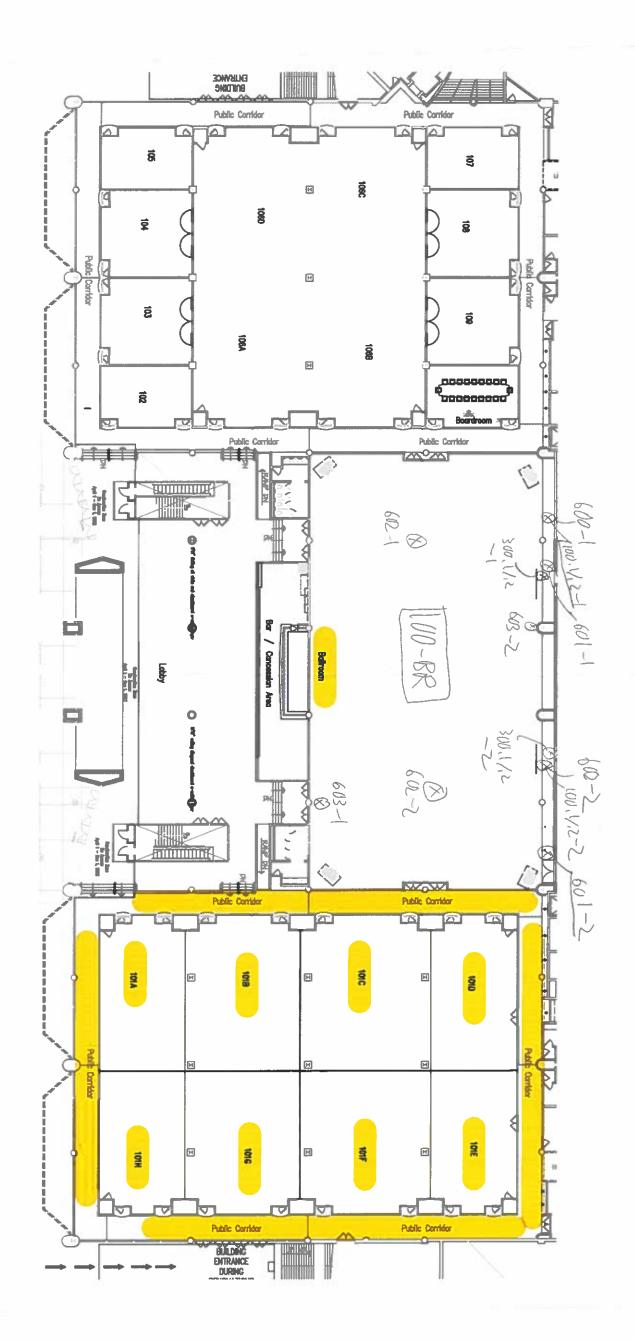
Serial Num 2148 App Versio Pb200i-4.1-11

Job Id	Reading # Conce	entrat Units	Result	Date	Time	SET#	Color	Substrate	Componen Side	Condition	Space ID	Floor	Inspector
	1	1 mg/cm2	Positive	11/13/2023	13:43:15		4207 Calibra	tion Wood		Intact		First Floor	A. Place
	2	1 mg/cm2	Positive	11/13/2023	13:44:52		4207 Calibra	tion Wood		Intact		First Floor	A. Place
	3	1 mg/cm2	Positive	11/13/2023	13:46:27		4207 Calibra	tion Wood		Intact		First Floor	A. Place
	4	0.7 mg/cm2	Negative	11/13/2023	14:07:14		4207 Gray	Metal	Door Fram C	Intact	100BR	First Floor	A. Place
	5	0.2 mg/cm2	Negative	11/13/2023	14:11:07		4207 White	Metal	Vent A	Intact	100BR	First Floor	A. Place
	6	0.2 mg/cm2	Negative	11/13/2023	14:12:33		4207 White	Plaster	Ceiling	Intact	100BR	First Floor	A. Place
	7	0.8 mg/cm2	Negative	11/13/2023	14:15:01		4207 White	Concrete	Support Co C	Intact	100BR	First Floor	A. Place
	8	0.1 mg/cm2	Negative	11/13/2023	14:25:40		4207 rusted	met Metal	I-Beam	Intact	100BR	First Floor	A. Place
	9	0 mg/cm2	Negative	11/13/2023	14:48:49		4207 White	Metal	Light Fixture	Intact	100BR	First Floor	A. Place
	10	1 mg/cm2	Positive	11/13/2023	14:59:28		4207 Calibra	tion Wood		Intact	100BR	First Floor	A. Place
	11	1.1 mg/cm2	Positive	11/13/2023	15:01:02		4207 Calibra	tion Wood		Intact	100BR	First Floor	A. Place
	12	1 mg/cm2	Positive	11/13/2023	15:02:36		4207 Calibra	tion Wood		Intact	100BR	First Floor	A. Place



Appendix E

Sample Floor Plans





Appendix F

Summary of Inspected Functional Spaces



• 100-BR – Main Ballroom



Appendix G

Historic Project Data



March 22, 2018

Ms. Natalie Tan
Erie County
Department of Public Works
95 Franklin St.
Buffalo, NY 14202

RE: Asbestos Sampling Results Summary – Buffalo Niagara Convention Center Ballroom Ceiling

Dear Ms. Tan:

LiRo Engineers, Inc. (LiRo) has prepared this letter to summarize the results of asbestos sampling performed on the acoustical ceiling plaster and spray-on fireproofing impacted by planned ceiling renovations to the ballroom of the Buffalo Niagara Convention Center located at 153 Franklin Street, Buffalo, New York 14202.

Sampling Performed

On March 20, 2018, Donovan Henson, a New York State Department of Labor (NYSDOL) Certified Asbestos Inspector (see Attachment 1), collected samples of acoustical ceiling plaster and spray-on fireproofing from the ballroom of the Buffalo Niagara Convention Center as directed by Erie County in order to assess the potential impact to asbestos containing material (ACM) due to ceiling renovations. Sample locations are illustrated in a Figure included as Attachment 2 to this letter. The below listed materials were sampled and analyzed for asbestos content:

- Acoustical Ceiling Skim Plaster White
- Acoustical Ceiling Base Plaster Grey
- Spray-On Fireproofing Grey

Analysis for bulk samples was performed by AmeriSci of New York, New York. AmeriSci's NYS Environmental Laboratory Approval Program (ELAP) number is 11480. Sample analytical results and chain of custody documentation are included as Attachment 3 to this letter. AmeriSci laboratory certifications and accreditations are provided as Attachment 4 to this letter. Summary descriptions of the sample analysis methods are as follows:

Polarized Light Microscopy (PLM) for Friable Materials

Samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining according to the method specified in the EPA Interim Method of the Determination of Asbestos in Bulk Insulation Samples, Appendix A, Subpart F, 40 CFR Part 763. This is a standard of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in friable bulk samples. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The component minerals are identified by their characteristic color under polarized light.

Transmission Electron Microscopy (TEM) for Non-Friable Organically Bound Materials (NOB's)

Detection of asbestos fibers used in non-friable organically bound materials (NOB's) such as floor tiles, mastics, roofing materials, and window caulking/glazing, is often extremely difficult because of the small fibers used during manufacture, their subsequent mixing and coating with organic matrix (vinyl, asphalt, etc.), and potential combination during sample preparation. To address this problem, specialized sample preparation (gravimetric reduction per Chatfield 1991) and analysis by Transmission Electron Microscopy is required.



The use of TEM addresses the principal that the limit of a microscope's ability to detect objects is affected by the wavelength of the source of "illumination". TEM's extremely short wavelength coupled with simple image presentation yields resolvable images of even the smallest asbestos fibers. Furthermore, identification of chrysotile or amphibole crystalline structure can be consistently produced via the electron-diffraction capabilities of modern TEMs. Accordingly, the TEM's resolution of up to 20,000 magnifications provides the most reliable method for detecting and quantifying asbestos fibers in NOB's and is considered the only method that can be used to report true negative results from NOB samples.

Asbestos Sampling Results

As a result of the analytical sampling, each of the identified suspect materials have been determined **NOT** to be asbestos containing. The sampled materials include:

- Acoustical Ceiling Skim Plaster White
- Acoustical Ceiling Base Plaster Grey
- Spray-On Fireproofing Grey

The laboratory analytical reports are provided as Attachment 3 to this letter.

Discussion

The purpose of the inspection was to identify and classify (asbestos containing or non-asbestos containing) suspect asbestos containing materials affected by the planned ceiling renovations in the ballroom of the Buffalo Niagara Convention Center. The laboratory results show that asbestos was not identified in any suspect materials expected to be impacted by the planned work.

If you have any questions or require further information, please contact me at (716) 970-4269.

Sincerely,

LiRo Engineers, Inc.

Jason Colvin Project Manager

ATTACHMENT 1 NYSDOL Certification/License

New York State - Department of Labor

Division of Safety and Health License and Certificate Unit State Campus, Building 12 Albany, NY 12240

ASBESTOS HANDLING LICENSE

LiRo Engineers, Inc.

690 Delaware Avenue

Buffalo, NY 14209

FILE NUMBER: 99-1147

LICENSE NUMBER: 28866

LICENSE CLASS: RESTRICTED DATE OF ISSUE: 11/25/2017

EXPIRATION DATE: 12/31/2018

Duly Authorized Representative - Robert Kreuzer:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director For the Commissioner of Labor

SH 432 (8/12)

STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE





DONOVAN M HENSON CLASS(EXPIRES) C ATEC(06/18) D INSP(06/18) E MGPL(06/18) H PM (06/18)

> CERT# 06-08271 DMV# 103752079

MUST BE CARRIED ON ASBESTOS PROJECTS

TOTAL COMPANY OF THE STATE OF T

EYES BLU HAIR BLN HGT 5' 10" IF FOUND RETURN TO:

NYSDOL - L&C UNIT

ROOM 161A BUILDING 12

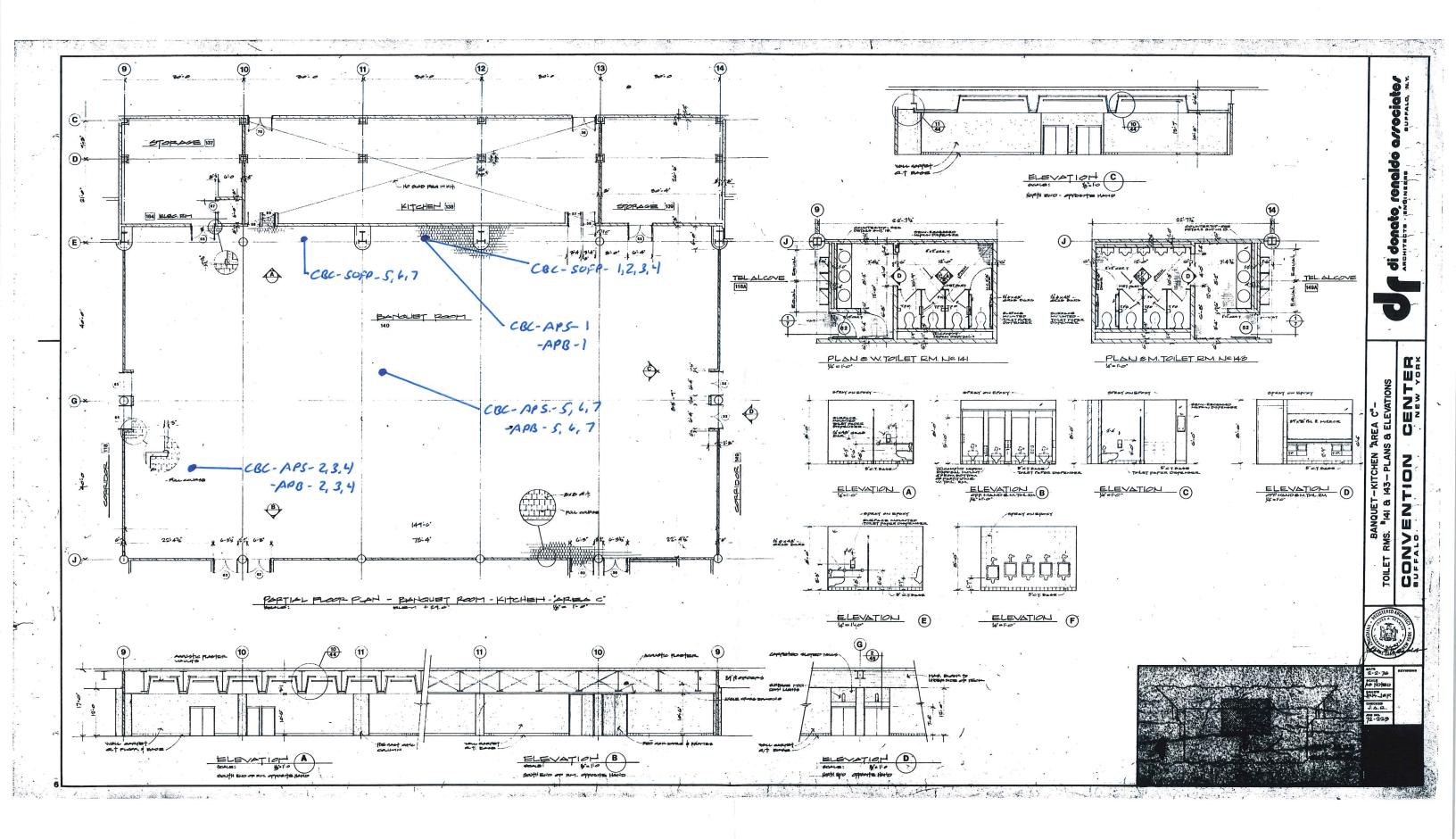
STATE OFFICE CAMPUS

ALBANY NY 12240

01013 004333113 11



ATTACHMENT 2 Sample Locations





ATTACHMENT 3 Laboratory Results



AmeriSci New York

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FACSIMILE TELECOPY TRANSMISSION

To: Rol

Robert Kreuzer

The Liro Group

Fax #:

Email:

(516) 681-0589

From:

Bo Sun

AmeriSci Job #:

218033617

Subject:

ELAP-PLM-FRIABLE 24 hour Res

Client Project:

18-059-0134; Buffalo Biagara

Convention Center; Convention

Center Plaza, Ballr

Date:

Wednesday, March 21, 2018

colvinj@liro.com,hensond@liro.com

Time:

16:40:30

Number of Pages:

(including cover sheet)

Comments:

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PLM Bulk Asbestos Report

The Liro Group

Attn: Robert Kreuzer

690 Delaware Ave.

Buffalo, NY 14209

Date Received

03/21/18

AmeriSci Job #

218033617

Date Examined

03/21/18

P.O. #

of

ELAP# 11480 Page 1 RE: 18-059-0134; Buffalo Biagara Convention Center; Convention

Center Plaza, Ballroom

Client No. / H	GA Lab No.	Asbestos Present	Total % Asbestos
CBC-APS-1	218033617-01	No	NAD
Α	Location: Ballroom Area - Acoustical Plaster	Skim Coat - White	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos	••	Material	
Other M	aterial: Fibrous glass 5 %, Non-fibrous 95 %		
CBC-APS-2	218033617-02	No	NAD
A	Location: Ballroom Area - Acoustical Plaster	Skim Coat - White	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Nappes: aterial: Fibrous glass 10 %, Non-fibrous 90 %	Material	
CBC-APS-3	218033617-03	No	NAD
Α	Location: Ballroom Area - Acoustical Plaster	Skim Coat - White	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos	r iption : White, Homogeneous, Non-Fibrous, Bulk N Types: aterial: Fibrous glass 5 %, Non-fibrous 95 %	Material	
CBC-APS-4	218033617-04	No	NAD
Α	Location: Ballroom Area - Acoustical Plaster	Skim Coat - White	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos	r iption: White, Homogeneous, Non-Fibrous, Bulk N Types: aterial: Fibrous glass 10 %, Non-fibrous 90 %	<i>f</i> laterial	
CBC-APS-5	218033617-05	No	NAD
А	Location: Ballroom Area - Acoustical Plaster	Skim Coat - White	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Analyst Descr	iption: White, Homogeneous, Non-Fibrous, Bulk N	<i>M</i> aterial	011 0012 11 10

Asbestos Types:

Other Material: Fibrous glass 5 %, Non-fibrous 95 %

AmeriSci Job #: 218033617 Client Name: The Liro Group

PLM Bulk Asbestos Report

18-059-0134; Buffalo Biagara Convention Center; Convention Center Plaza, Ballroom

Client No. / HG	A Lab No.	Asbestos Present	Total % Asbestos
CBC-APS-6 A	218033617-06 Location : Ballroom Area - Acoustical Plaster Skin	NAD (by NYS ELAP 198.1) by Bo Sun on 03/21/18	
Asbestos T	tion: White, Homogeneous, Non-Fibrous, Bulk Mate /pes: erial: Fibrous glass 10 %, Non-fibrous 90 %	erial	
CBC-APS-7	218033617-07	No	NAD
Α	Location: Ballroom Area - Acoustical Plaster Skin		(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos Ty	tion: White, Homogeneous, Non-Fibrous, Bulk Mate pes: erial: Fibrous glass 5 %, Non-fibrous 95 %	erial	
CBC-APB-1	218033617-08	No	NAD
В	Location: Ballroom Area - Acoustical Plaster Bas	se Coat - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos Ty	tion: Grey, Homogeneous, Non-Fibrous, Cementition pes: prial: Cellulose Trace, Non-fibrous 100 %	ous, Bulk Material	
CBC-APB-2	218033617-09	No	NAD
В	Location: Ballroom Area - Acoustical Plaster Bas	se Coat - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos Ty	tion: Grey, Homogeneous, Non-Fibrous, Cementitic pes: erial: Non-fibrous 100 %	ous, Bulk Material	
CBC-APB-3	218033617-10	No	NAD
В	Location: Ballroom Area - Acoustical Plaster Bas	se Coat - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos Ty	tion: Grey, Homogeneous, Non-Fibrous, Cementitic rpes: rial: Non-fibrous 100 %	ous, Bulk Material	
CBC-APB-4	218033617-11	No	NAD
	Location: Ballroom Area - Acoustical Plaster Bas		(by NYS ELAP 198.1) by Bo Sun
В			on 03/21/18

AmeriSci Job #: 218033617 Client Name: The Liro Group

PLM Bulk Asbestos Report

18-059-0134; Buffalo Biagara Convention Center; Convention Center Plaza, Ballroom

Client No. / HO	GA Lab No.	Asbestos Present	Total % Asbestos
CBC-APB-5 B	218033617-12 Location: Ballroom Area - Acoustical Plaster Base	NAD (by NYS ELAP 198.1) by Bo Sun on 03/21/18	
Asbestos T	ption: Grey, Homogeneous, Non-Fibrous, Cementitious Types: terial: Non-fibrous 100 %	s, Bulk Material	011 00/2 II/10
CBC-APB-6 B	218033617-13 Location : Ballroom Area - Acoustical Plaster Base	No Coat - Grey	NAD (by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	ption: Grey, Homogeneous, Non-Fibrous, Cementitious ypes: terial: Cellulose Trace, Non-fibrous 100 %	s, Bulk Material	
CBC-APB-7	218033617-14	No	NAD
В	Location: Ballroom Area - Acoustical Plaster Base	Coat - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	ption: Grey, Homogeneous, Non-Fibrous, Cementitious ypes: terial: Cellulose Trace, Non-fibrous 100 %	s, Bulk Material	
CBC-SOFP-1	218033617-15	No	NAD
С	Location: Ballroom Area - Spray-On Fireproofing - 0	Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	ption: Grey, Homogeneous, Fibrous, Bulk Material ypes: terial: Fibrous glass 85 %, Non-fibrous 15 %		
CBC-SOFP-2	218033617-16	No	NAD
С	Location: Ballroom Area - Spray-On Fireproofing - 0	Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	otion: Grey, Homogeneous, Fibrous, Bulk Material (ypes: terial: Fibrous glass 80 %, Non-fibrous 20 %		
CBC-SOFP-3	218033617-17	No	NAD
СВС-30FF-3 С	Location: Ballroom Area - Spray-On Fireproofing - 0		(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	otion: Grey, Homogeneous, Fibrous, Bulk Material (ypes: lerial: Fibrous glass 85 %, Non-fibrous 15 %		

Client Name: The Liro Group

PLM Bulk Asbestos Report

18-059-0134; Buffalo Biagara Convention Center; Convention Center Plaza, Ballroom

Client No. / HO	SA	Lab No.	Asbestos Present	Total % Asbestos
CBC-SOFP-4		218033617-18	No	NAD
С		Area - Spray-On Fireproofir	g - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T		ous, Fibrous, Bulk Material		
	eriai: Fibrous glass 90	·		
CBC-SOFP-5		218033617-19	No	NAD
С	Location: Ballroom /	Area - Spray-On Fireproofir	g - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	ypes:	ous, Fibrous, Bulk Material Fibrous glass 80 %, Non-fi	brous 20 %	
CBC-SOFP-6		218033617-20	No	NAD
С	Location: Ballroom A	rea - Spray-On Fireproofin	g - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Analyst Descrip Asbestos T	,	us, Fibrous, Bulk Material		311 33/2 1/13
Other Mat	erial: Cellulose Trace,	Fibrous glass 85 %, Non-fi	brous 15 %	
CBC-SOFP-7		218033617-21	No	NAD
С	Location: Ballroom A	rea - Spray-On Fireproofin	g - Grey	(by NYS ELAP 198.1) by Bo Sun on 03/21/18
Asbestos T	•	ous, Fibrous, Bulk Material		

Reporting Notes:	
Analyzed by: Bo Sun	<u>Συ ι </u>
*NAD/NSD =no asbestos defected; NA	A =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite;
(SM-V) = Surfacing Material containing	y Vermiculite; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP
PLM Method 198.1 for NY friable samp	oles, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct
by EPA 600/M4-82-020 (NY ELAP Lab	11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable
	race results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this
	as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National
	Accreditation requirements mandate that this report must not be reproduced except in full without the approval of
the lab. This PLM report relates ONLY t	to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.
Reviewed By:	END OF REPORT

ENVIRONMENTAL & ENGINEERING SERVICES LiRo Engineers, Inc.

690 Delaware Avenue
Buffalo, New York 14209
Tel. 716-882-5476 / Fax 716-882-9640

Bulk Sampling Chain of Custody Form

iRo Job #:	18-059-0134
ob Name:	Buttalo Iniagara Convention Center
ob Location:	Convention Center Plaza
amples Taken by:	Donovan Henson
Building /Site:	Ballroom

HensonD@LiRo.com email results to: colvinj@liro.com 716-882-9640 Jason Colvin FAX Results to: attention: __

24-HR Turn-Around-Time:

ACM CODE	SAMPLE NUMBER	SAMPLE LOCATION	DESCRIPTION OF MATERIAL	NOTES	QUANTITY
A	CBC-APS-1	Ballroom Area	Acoustrical Plaster Skim Coat - White		
	CBC-APS-2	Ballroom Area	Acoustrical Plaster Skim Coat - White		
	CBC-APS-3	Ballroom Area	Acoustrical Plaster Skim Coat - White		
	CBC-APS-4	Ballroom Area	Acoustrical Plaster Skim Coat - White		
	CBC-APS-5	Ballroom Area	Acoustrical Plaster Skim Coat - White		
	CBC-APS-6	Ballroom Area	Acoustrical Plaster Skim Coat - White		
	CBC-APS-7	Ballroom Area	Acoustrical Plaster Skim Coat - White		
В	CBC-APB-1	Ballroom Area	Acoustical Plaster - Base Coat - Grey		
	CBC-APB-2	Ballroom Area	Acoustical Plaster - Base Coat - Grey		
	CBC-APB-3	Ballroom Area	Acousitcal Plaster - Base Coat - Grey		

Comments: First positive stop for each "ACM Code" Group.

Analyze NYS friables via PLM only. Analyze NYS NOB via PLM to TEM.

uished By (Signature) M	Date / Time 3/2 0 / 16 - 1/30	Received By (Signature)	Date / Time 1046

ENVIRONMENTAL & ENGINEERING SERVICES LiRo Engineers, Inc.

690 Delaware Avenue Buffalo, New York 14209 Tel. 716-882-5476 / Fax 716-882-9640

Bulk Sampling Chain of Custody Form

Buffalo Niagara Convention Center Convention Center Plaza Donovan Henson 18-059-0134 Ballroom Samples Taken by: Building /Site: Job Location: LiRo Job #: Job Name:

HensonD@LiRo.com email results to: colvinj@liro.com FAX Results to: 716-882-9640 Jason Colvin attention:

24-HR Turn-Around-Time: __

ACM CODE	SAMPLE NUMBER	SAMPLE LOCATION	DESCRIPTION OF MATERIAL	NOTES	QUANTITY
В	CBC-APB-4	Ballroom Area	Acousitcal Plaster - Base Coat - Grey		
	CBC-APB-5	Ballroom Area	Acousitcal Plaster - Base Coat - Grey		
	CBC-APB-6	Ballroom Area	Acousitcal Plaster - Base Coat - Grey		
	CBC-APB-7	Ballroom Area	Acousitcal Plaster - Base Coat - Grey		
C	CBC-SOFP-1	Ballroom Area	Spray-On Fireproofing - Grey		
	CBC-SOFP-2	Ballroom Area	Spray-On Fireproofing - Grey		
	CBC-SOFP-3	Ballroom Area	Spray-On Fireproofing - Grey		
	CBC-SOFP-4	Ballroom Area	Spray-On Fireproofing - Grey		
	CBC-SOFP-5	Ballroom Area	Spray-On Fireproofing - Grey		
	CBC-SOFP-6	Ballroom Area	Spray-On Fireproofing - Grey		

Comments: First positive stop for each "ACM Code" Group.

Analyze NYS friables via PLM only. Analyze NYS NOB via PLM to TEM.

Date / Time 52-15 104	
Received By (Signature)	
Date / Time 7/20	
Relinquished By (Signature)	

W218033619

LiRo Engineers, Inc. ENVIRONMENTAL & ENGINEERING SERVICES

690 Delaware Avenue Buffalo, New York 14209 Tel. 716-882-5476 / Fax 716-882-9640

Bulk Sampling Chain of Custody Form

El	QUANTIT								
FAX Results to: 716-882-9640 attention: Jason Colvin email results to: colvinj@liro.com HensonD@LiRo.com Turn-Around-Time: 24-HR	NOTES								
	DESCRIPTION OF MATERIAL	Spray-On Fireproofing - Grey	The state of the s	danie Pri					
18-059-0134 Buffalo Niagara Convention Center Convention Center Plaza Donovan Henson Ballroom	SAMPLE LOCATION	207 4	Ballroom Area						
LiRo Job #: Job Name: Job Location: Samples Taken by: Building /Site:	SAMPLE		CBC-SOFP-7						
7 ÷ ÷ ∞ æ	Jac Control	ACIA CODE	C						

Stagen Received By (Signature) Date / Time Analyze NYS friables via PLM only. Analyze NYS NOB via PLM to TEM. Comments: First positive stop for each "ACM Code" Group. Relinquished By (Signature)

3501

Date / Time 3 21 18



ATTACHMENT 4 Laboratory Certification

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2018 Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA AMERICA SCIENCE TEAM NEW YORK INC 117 EAST 30TH ST NEW YORK, NY 10016 NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Serial No.: 56034

Pre-Renovation Asbestos, PCBs in Caulk and Lead Paint Inspection Report

Project Location:

Buffalo Niagara Convention Center – Façade Restoration Project 153 Franklin St Buffalo, NY 14202

Project ID: 21-0928JD-A

Conditions as of: September 28th, 202

Prepared for:

Mike LaValley Trautman Associates 37 Franklin St Suite 100 Buffalo, NY 14202

Prepared by:



AMD Environmental Consultants,

72 E Niagara St. Suite 100 Tonawanda, NY 14150 OFFICE (716) 833-0043 | FAX (716) 241-8689 www.amdenvironmental.com



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

October 8th, 2021

Mike LaValley Trautman Associates 37 Franklin St Suite 100 Buffalo, NY 14202

Re: Pre-Renovation Asbestos, PCBs in Caulk and Lead Paint Inspection Report

Buffalo Niagara Convention Center - Façade Restoration Project

153 Franklin St Buffalo, NY 14202

AMD Project ID: 21-0928JD-A

Mr. LaValley;

I am pleased to present this summary of asbestos survey services at the above referenced address.

AMD Environmental conducted a pre-renovation asbestos, PCBs in caulk and lead paint inspections at the above referenced address on September 28th, 2021. Pre-renovation asbestos sampling at the above referenced building was conducted by sampling suspect asbestos containing materials (ACM) related to the façade restoration project. Asbestos containing materials (ACM) were not identified above 1% in materials that were sampled. For more detail refer to the summary on page 4. Additionally, lead paint and PCBs in caulks sampling were conducted for renovation areas. Lead based paint was not identified for areas that were tested. PCBs in caulk hazards were also not identified.

New York State asbestos regulations (12 NYCRR 56-5) require that asbestos surveys are conducted in order to determine whether or not the building or structure, or portion(s) thereof to be demolished, renovated, remodeled, contains ACM, PACM or asbestos materials. These regulations also require that a copy of the pre-renovation survey be forwarded to the local New York State Department of Labor (NYSDOL) Asbestos Control Bureau immediately upon completion of the survey (NYSDOL contact info. at end of report). If requested in writing, a copy of the survey will be submitted on your behalf to the NYSDOL, otherwise a copy must be submitted by the owner.

AMD Environmental Consultants, Inc. surveys are intended to determine, to a reasonable extent, the presence, location, quantity, and condition of accessible asbestos containing materials (surfacing, thermal systems insulation, and miscellaneous materials). The information contained herein is representative of conditions found onsite during the date/time this survey was conducted. Environmental conditions, renovation, vandalism, etc. may alter conditions from the date/time that this survey was conducted, potentially creating new hazards.

Please do not hesitate to contact me if I may provide any additional information.

Sincerely,

Anthony DeMiglio President



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

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	•	, 1000000	

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- 1.4 Methodology

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- 2.1 Introduction
- 2.2 Methodology
- 2.3 Lead-Based Paint Chip Inspection Summary
- 2.4 XRF Spectrum Analyzer Report

3.0 PCBs in Caulk

4.0 Site Photographs

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5.1 Key Terms and Definitions

6.0 Sample Chain(s) of Custody

APPENDIX

Appendix A: XRF Performance Characteristic Sheet (PCS) Appendix B: Firm Certification and Personnel License(s)

Appendix C: Laboratory Certifications



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1.0 Asbestos Inspection

1.1 Introduction

AMD Environmental Consultants, Inc (AMD) was retained by Trautman Associates to conduct representative sampling at the property located at 153 Franklin St in Buffalo, NY for the presence of materials suspected of containing asbestos.

AMD was assigned to:

- Locate suspect asbestos containing materials (ACM),
- Sample these materials to determine asbestos content, and
- Identify the locations and estimated quantities of the confirmed ACM.

The information following this introduction details the amount of asbestos present in this facility and the location of the asbestos containing building materials (ACBM). Although the report is a comprehensive analysis of the asbestos inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of asbestos containing building materials (ACBM).

The following is a list of suggested reading and information sources relating to asbestos:

- New York State Department of Labor Industrial Code Rule 56
- National Emission Standard for Hazardous Air Pollutants (NESHAPS)
- Occupational Safety and Health Administration (OSHA 1926.1101, 1910.134, 1910.1020, 1910.1200, 1910.145, 1910.95, 1926.58)
- Environmental Protection Agency rule CFR 763.46 Asbestos Hazard Emergency Response Act



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1.2 Executive Summary

The scope of services included representative pre-renovation asbestos sampling at the above referenced address. Work was conducted by sampling suspect Asbestos Containing Materials (ACM) throughout the property in areas of planned renovations, identification of suspect asbestos containing building materials in areas of planned renovations only; sampling and analysis of the suspect materials; and identifying the locations and estimated quantities of the confirmed ACM.

Sampling and analysis of the suspect materials under Polarized Light Microscopy (PLM), and where necessary under Transmission Electron Microscopy (TEM), revealed the following materials as asbestos containing building materials (ACBM):

ASBESTOS CONTAINING MATERIALS SUMMARY

HAN	Material Description	SID (Space Identification Number)	Estimated Quantity SF*	Friability/ Condition
N/A	N/A	N/A	N/A	N/A

Asbestos containing materials (ACM) were not identified above 1% in materials that were sampled.

KEY TERMS AND DEFINITIONS:

HAN=Homogenous Area Number; number assigned to categorize materials of like composition, texture and appearance

SID=Space Identification Number: Sample Locations

Friability/Condition:

F=Friable: a material that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure, or is capable of being released into the air by hand pressure.

NF=Non Friable: a material that when dry cannot be crumbled, pulverized, or reduced to hand pressure, and is not capable of being released into the air by hand pressure

I=Intact: Asbestos material that has not crumbled, been pulverized, or otherwise been damaged or disturbed, and the material's matrix has not noticeably deteriorated.

D=Damaged: Asbestos material that has deteriorated or sustained physical injury demonstrated by separation of the ACM into layers, separation of the ACM from the substrate, flaking, blistering, crumbling, water damage, scrapes, gouges, or other signs of physical injury.

SD=Significantly Damaged: Damaged asbestos where the damage is extensive and severe.

ACM=Asbestos Containing Material: material analyzed and confirmed by laboratory to contain above 1% of asbestos

PACM= Presumed Asbestos Containing Material: this material was assumed to contain asbestos to either save the client on lab fees or because the material was adhered to another asbestos containing material (or adjacent to other materials needing abatement) and must be managed as such.

^{*}Quantities are approximate, and are only associated with areas of planned renovation. Additional asbestos containing materials may be located outside areas of planned renovation that were not surveyed, assessed or quantified during this inspection.



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1.3 Purpose

The purpose of the asbestos inspection was to identify and quantify the types of asbestos containing building materials (ACBM) in the building. Samples of the suspect materials were collected for analysis by an independent laboratory, and the condition of each material noted in relation to its potential to be disturbed; The potential for fiber release was also considered.

The report is generated for the exclusive use of Trautman Associates, and its representatives or agents, and is not designed to serve as a specification for abatement. Before requesting bids for abatement of materials identified in this report, the owner is strongly encouraged to contract with a consultant to provide this valuable service. A specification assures that all contractors are bidding on the same methodology and following the specific requirements for the work to be performed.

The inspection was conducted by NYS DOL Certified Asbestos Inspectors Eric Miller and John Doucette on September 28th, 2021 and revealed the following suspect asbestos containing building materials:

HOMOGENOUS MATERIALS & SAMPLE RESULTS

HAN	Suspect Asbestos Containing Material Description	SID (Space Identification Number)	Sample No.	ACM (Yes/ No)	Est. Quantity* (SF)	Friability/ Condition
101	Drywall	2 nd Floor – Front Storage Room	101-1, 101-2	No	N/A	F/I
101A	Joint compound	2 nd Floor – Front Storage Room	101A-1, 101A-2	No	N/A	F/I
201	Drywall	Front Vestibule	201-1, 201-2	No	N/A	F/I
201A	Joint compound	Front Vestibule	201A-1, 201A-2	No	N/A	F/I
401	Spray-on fireproofing – light grey	2 nd Floor – Front Storage Room	401-1, 401-2	No	N/A	F/I
402	Spray-on fireproofing – dark grey	2 nd Floor – Front Storage Room	402-1, 402-2	No	N/A	F/I
601	White insulation	2 nd Floor – Front Storage Room	601-1, 601-2	No	N/A	F/I
602	Black caulk	Front Entrance	602-1, 602-2	No	N/A	NF/I
603	Tan caulk	Front Entrance	603-1, 603-2	No	N/A	NF/I
700	Grey rolled roof	Roof	700-1, 700-2	No	N/A	NF/I
701	Middle layer roofing	Roof	701-1, 701-2	No	N/A	NF/I
702	Bottom layer roofing	Roof	702-1, 702-2	No	N/A	NF/I
703	Repair tar	Roof	703-1, 703-2	No	N/A	NF/I
704	Silver roof paint	Roof	704-1, 704-2	No	N/A	NF/I



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The above listed table provides a list of the materials that were sampled and tested for asbestos by Polarized Light Microscopy (PLM) and or Transmission Electron Microscopy (TEM), as applicable. Any sample determined to be a non-friable organically bound material (NOB), and which was found to be negative by Polarized Light Microscopy (PLM) analysis, was then analyzed by Transmission Electron Microscopy (TEM) analysis at American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP Certified laboratory (ID: 11480) and conducts analysis according to EPA Method 198.1, 198.4 and 198.6. See Section 2.0 for the laboratory's analytical results.

1.4 Methodology

All work performed by AMD Environmental Consultants, Inc. was conducted in accordance with applicable regulations, including New York State Department of Labor standards 12NYCRR Part 56, National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Occupational Safety and Health Administration regulations 29CFR1910.1101 and 29CFR1910.134. All AMD personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training and New York State Department of Labor Division of Safety and Health certification program.

Each suspect asbestos containing building material (ACBM) was assigned a homogenous area number (HAN). Homogeneous areas consist of materials of like composition, texture and appearance.

Based on the homogeneous areas, samples of suspect materials were collected. Techniques used for sample collection were designed to minimize damage to suspected areas, reduce any potential for fiber release, and ensure the safety of the inspector and building occupants. Samples were collected by AMD personnel using the following procedures:

- 1. The surface to be sampled was sprayed with amended water (detergent and water) as necessary
- 2. A plastic sample bag was held to the surface sampled
- 3. The sample was collected using tools appropriate to the friability of the material sampled
- 4. Sample bags were labeled with a unique sample identification number
- Samples were recorded on a Chain of Custody form, and submitted under strict chain-ofcustody procedures to American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP and NYSDOH approved, certified laboratory for PLM and TEM analysis (ELAP ID: 11480).

Samples were first analyzed using PLM, Polarized Light Microscopy in accordance with US Environmental Protection Agency Interim Method, 40CFRPt763, Supt F, App A(7-1-87). For the sample results not considered definitive, additional analysis was performed under Transmission Electron Microscopy (TEM) in accordance with NYSDOH ELAP Item 198.4, for Non-friable Organically Bound Bulk Material (NOB). The results of these analyses confirmed whether or not a suspect materials actually contained asbestos. All materials sampled are summarized in Section 1.3 of this report; the presumed asbestos containing materials and materials containing asbestos above 1.0% are listed in Section 1.2.



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2.0 Lead-Based Paint Inspection

2.1 Introduction

AMD Environmental Consultants, Inc (AMD) was retained by Trautman Associates to conduct limited Lead-Based Paint sampling throughout the property in areas of planned renovations at 153 Franklin St in Buffalo, NY for the presence of surfaces containing lead-based paint.

Although this report is a limited representative analysis of the lead-based paint in the basement, the following information, as well as a reading of the sources listed at the end of this section, will help ensure compliance to applicable rules, laws and regulations regarding lead based paint.

TITLE X:

On October 28, 1995, the Housing and Community Development Act of 1992 was signed into law. Title X, as this bill is commonly referred to, is comprehensive and significant in addressing lead poisoning and prevention. Under the Toxic Substances Control Act (TSCA), as amended by Title X, EPA is developing regulations governing lead-based paint hazard evaluation and abatement in private and public housing, public and commercial buildings, and commercial structures.

Although it is recommended that property owners, lenders, insurers, etc. become familiar with the full content of Title X and the EPA regulations, an understanding of the following terms will assist in the interpretation of the results of this survey:

- 1. The term "lead-based paint" as used in Title X is defined as paint on surfaces with lead in excess of 1.0 mg/cm² (milligrams per centimeter squared) as measured by X-ray fluorescence (XRF) detector or 0.5 percent by weight.
- 2. The term "lead based paint hazard" is defined as any condition that causes exposure to lead sufficient to cause adverse human effects.
- 3. "Deteriorated LBP" is any interior or exterior LBP that is peeling, chipping, chalking, or cracking, or located on a surface or fixture that is damaged or deteriorated.
- 4. LBP on any "friction surface" is defined as any interior or exterior surface subject to damage by repeated impacts, such as painted floors and friction surfaces on windows.
- 5. LBP on any "impact surface" is defined as any interior or exterior surface subject to damage by repeated impacts, such as parts of door frames.
- 6. LBP on any "accessible surface" is defined as any interior or exterior surface accessible for a young child to mouth or chew, such as a window sill.
- 7. "Lead-contaminated dust" is defined as a surface dust in residential dwellings that contains an area or mass concentration of lead in excess of the standard to be established by EPA.



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<u>OSHA</u>

On May 4, 1993, OSHA promulgated the Lead Exposure in Construction Rule (29 CFR Part 1926.62). This regulation applies to all construction activities involving potential lead exposures. This regulation defines construction work as "...work for construction, alteration and/or repair including painting and decorating" and further states "...the standard for the construction industry applies to all occupational exposure to lead in all construction work in which lead, in any amount, is present in an occupationally related context ... where the source of the lead is employment related..."

The employer must ensure that no worker is exposed to concentrations of lead in excess of the permissible exposure limit (PEL) for lead, which is an eight hour time weighted average (TWA) exposure of 50 mg/m3 (micrograms per cubic meter). This means that the pre-project site must be inspected to determine if a lead hazard exists. If determined to exist, the employer must either perform an "Exposure Assessment" as defined in 29 CFR Part 1926.62 paragraph (d), or implement employee protective measures as prescribed in paragraph (d)(2)(v) including appropriate respiratory protection, personal protective clothing, change areas, hand washing facilities, biological monitoring, and training.

HUD

The statutory requirements and foundations for HUD Guidelines can be found in Section 302 of the Lead-Based Paint Poisoning Prevention Act (LBPPPA).

Certain aspects of the HUD Guidelines are typically applied to public and commercial buildings. The most common adopted techniques used to identify LBP are X-ray Fluorescence Spectrum Analyzer (XRF) and Atomic Absorption Spectroscopy (AAS). HUD defines LBP as having an XRF reading greater than 1.0 mg of lead per centimeter squared, or a paint chip analyzed by AAS having greater than 0.5 percent lead by weight.

The above information coupled with this report will help assure compliance to applicable laws and regulations and protect the occupants and contractors from exposure while in the building.



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2.2 Methodology

All work performed by AMD Environmental Consultants, Inc. was conducted in accordance with applicable regulations. All AMD personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training. Please see Appendices A and B for certifications and licenses and risk assessors' signatures.

AMD Environmental Consultants, Inc. used a Niton XLp 300 Analyzer to test suspect painted surfaces. Progression through the structure followed a clockwise direction around the floor plan. Each component tested is identified by its particular side of the building, labeled walls "A, B, C, or D". Side A of any room is always the same side as the front exterior entrance (or address side of the building). Side B is the side to the left of side A, and so on.

Representative surfaces/components were tested in a manner designed to adequately represent the different components, substrates, types of paint, construction and paint history at various locations throughout the building, including areas exhibiting peeling, chipping and flaking paint.



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2.3 Lead-Based Paint Inspection Summary

AMD's on-site lead risk assessor conducted the representative lead-based paint sampling on September 28th, 2021 in areas of planned renovations. Painted components throughout the interior of 153 Franklin St in Buffalo, NY were identified and tested based on component groups and paint history. Surfaces tested included (interior walls, ceilings, doors, structural members and window components).

Component groups that were identified to contain lead-based paint are listed below:

No components were identified to contain lead-based paint.

Please see the table in Section 2.4 for the complete XRF analysis of individual components and substrates.



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2.4 XRF Spectrum Analyzer Report

Reading No	Side	Room	Component	Substrate	Color	XRF Reading	Condition	Results
1	Α		CALIBRATION			1		
2	Α		CALIBRATION			< LOD		
3	А	2ND FLOOR STORAGE	DOOR	METAL	BROWN	< LOD	INTACT	Negative
4	A	2ND FLOOR STORAGE	DOOR	METAL	BROWN	< LOD	INTACT	Negative
5	A	2ND FLOOR STORAGE	DOOR CASING	METAL	BROWN	< LOD	INTACT	Negative
6	A	2ND FLOOR STORAGE	STRUCTURAL STELL	STEEL	BROWN	< LOD	INTACT	Negative
7	A	2ND FLOOR STORAGE	SPIRAL STAIRS	STEEL	GREEN	< LOD	INTACT	Negative
8	A	FACADE	VESTIBULE ENTRANCE DOOR CASING	METAL	BROWN	< LOD	INTACT	Negative
9	А	FACADE	VESTIBULE ENTRANCE DOOR CASING	METAL	BROWN	< LOD	INTACT	Negative
10	A	FACADE	COLUMN	CONCRETE	BEIGE	< LOD	INTACT	Negative
10	_ ^	IACADL	COLOIVIIN	CONCILLE	DLIGE	\ LOD	INTACT	ivegative
11	Α	ENTRANCE	WALL	DRYWALL	WHITE	< LOD	INTACT	Negative
12	Α		CALIBRATION			1		
13	Α		CALIBRATION			< LOD		



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3.0 Polychlorinated Biphenyls (PCBs) Inspection

3.1 Introduction

AMD Environmental was retained by Trautman Associates to inspect 153 Franklin St in Buffalo, NY for the presence of caulking/sealant materials suspected of containing Polychlorinated Biphenyls (PCBs) in areas of planned renovations.

The information following this introduction details the amount of asbestos present in this facility and the location of the Polychlorinated Biphenyls (PCBs). Although the report is a comprehensive analysis of the Polychlorinated Biphenyls (PCBs) inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of Polychlorinated Biphenyls (PCBs).

3.2 Executive Summary Results Table

Polychlorinated Biphenyls (PCB) in Caulks/Sealants Sampling Summary Table

Туре	Location	Results (μg/kg)	Results reported In ppm	Hazardous Waste (Y/N)
Window/door caulk	153 Franklin St	<469	0.469	No
Window/door caulk	153 Franklin St	<468	0.468	No

During the PCB sampling conducted on September 28th, 2021. Two (2) representative samples were collected for analysis. The Laboratory analysis performed on samples revealed the following:

• The window/door caulk and expansion joint caulk materials sampled on the date of inspection were found to be below the 50 ppm threshold for PCB's by laboratory analysis.



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3.3 Purpose

Polychlorinated Biphenyls (PCBs) are synthetic organic chemical compounds often sought out for the use of electric and heating equipment due to their chemical stability and inflammable properties. Products that contain PCB range from plasticizers and caulking products to oils used in paints and motor and hydraulic systems. Manufacturing of the man-made chemical ceased in 1977 when the United States ruled to ban the production of PBC for use in any commercial and industrial application. Prior to the ban, approximately 1.5 billion pounds of PCB products were produced in the United States.

PCBs are labeled as bio-accumulative toxins by cause of their harmful effects on human health, including the growth of malignant and benign tumors, fetal death, mutations, and liver disease. PCBs are formed by durable bonds that do not break down easily and are cycled through water, air, and soil systems when released into the environment. Contamination of this chemical has spread far and wide, and has been known to accumulate on above soil parts of plants and to be taken up by small organisms.

In 1976, United States Congress enacted Section 6(e) of the Toxic Substances Control Act (TSCA) to include prohibition and regulation of Polychlorinated Biphenyls (PBCs) among other chemical substrates and/or mixtures.

3.4 Methodology

AMD Environmental Consultants collected samples of at least 10g of Caulk/Sealant. Samples were recorded and handled according to strict chain-of-custody protocol sample sizes and submitted to a Schneider Laboratories Global, Inc. in Richmond, VA for analysis by EPA Method 8082.

Materials with PCB levels <50 ppm for bulk and <10 ug/100cm2 for surface concentrations are effectively regulated in the same way under C.F.R. part 761. If concentrations are above these limits, the waste is considered to be hazardous wastes and will need to be disposed of appropriately and accordingly to federal regulation. This does not include small capacitors as defined in paragraph (3) of NYCRR Part 371 and PCB Articles drained in accordance with subparagraphs (2)(ii) and (iii) of Part 371 Section (e).



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4.0 Site Photographs

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Appendix I

Site Photographs





Location:

2nd Floor Front Storage Room

Observation:

Drywall and joint compound tested negative for asbestos



Location: 2nd Floor Front Storage Room

Observation:

Light grey spray-on fireproofing tested negative for asbestos

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Appendix I

Site Photographs





Location:

Front entrance

Observation:

Vestibule entrance door casing tested negative for lead-based paint; black door caulk tested negative for asbestos



Location: 2nd Floor Front Storage Room

Observation:

White insulation tested negative for asbestos

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Appendix I

Site Photographs





Location:

2nd Floor Front Storage Room

Observation:

Door and casing tested negative for lead-based paint



Location:

Rolled roof

Observation:

Rolled roofing tested negative for asbestos

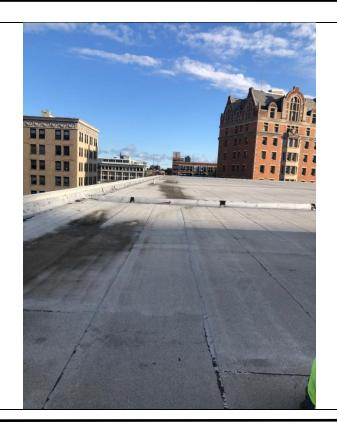
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Appendix I

Site Photographs





Location:

Roof

Observation:

Roofing all tested negative for asbestos



Location: 2nd Floor Front Storage Room

Observation:

Green spiral stairs tested negative for lead-based paint



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5.0 Laboratory Analytical Results



AmeriSci New York

117 EAST 30TH ST. NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

AMD Environmental Consultants, Inc.

Attn: John Wolf

72 East Niagara Street

Suite 100

Tonawanda, NY 14150

Date Received 09/29/21 **AmeriSci Job #** 221093700

Date Examined 10/01/21 **P.O.** #

ELAP # 11480 **Page** 1 **of** 6

RE: 21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

	GA Lab No.	Asbestos Present	Total % Asbestos
101-1 101	221093700-01 Location: 2nd Floor Front Storage - Drywall (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbestos	ription: White/Brown, Heterogeneous, Fibrous, Bulk Mat Types: aterial: Cellulose 20%, Fibrous glass 1%, Non-fibrous 7		
101-2	221093700-02	No	NAD
101	Location: 2nd Floor Front Storage - Drywall (White)		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Analyst Desc Asbestos	ription: White/Brown, Heterogeneous, Fibrous, Bulk Mat Types:	erial	
	aterial: Cellulose 10%, Fibrous glass 1%, Non-fibrous 8	39%	
101A-1	221093700-03	No	NAD
4044	L 4' On - I El En 4 Ot I - i - 4 O	1 () A () ()	(b) NIVO EL AD 400 4)
	Location: 2nd Floor Front Storage - Joint Compoun		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Analyst Desc Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia		by Valeriu Voicu
Analyst Desc Asbestos Other Ma	ription: White, Homogeneous, Non-Fibrous, Bulk Materia		by Valeriu Voicu
Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100%	No	by Valeriu Voicu on 10/01/21
Analyst Desc Asbestos Other Ma 101A-2 101A Analyst Desc Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100% 221093700-04 Location: 2nd Floor Front Storage - Joint Compoun	No d (White)	by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu
Analyst Desc Asbestos Other Ma 101A-2 101A Analyst Desc Asbestos Other Ma	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100% 221093700-04 Location: 2nd Floor Front Storage - Joint Compoun ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types:	No d (White)	by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu
Analyst Desc Asbestos Other Ma 101A-2 101A Analyst Desc Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100% 221093700-04 Location: 2nd Floor Front Storage - Joint Compoun ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100%	No d (White)	by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21

Client Name: AMD Environmental Consultants, Inc.

PLM Bulk Asbestos Report

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

Client No. / F	IGA	Lab No.	Asbestos Present	Total % Asbestos
201-2 201	Location: Front Ves	221093700-06 stibule - Drywall (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu
Asbestos	Types:	eterogeneous, Fibrous, Bulk N		on 10/01/21
 201A-1		221093700-07	No	NAD
201A	Location: Front Ves	stibule - Joint Compound (Wh		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbestos	-	eous, Non-Fibrous, Bulk Mat %	erial	
201A-2		221093700-08	No	NAD
201A	Location: Front Ves	stibule - Joint Compound (Wh	nite)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
				011 10/0 1/2 1
Asbestos Other M	•	neous, Non-Fibrous, Bulk Mat	erial	011 10/01/21
Asbestos Other M 401-1	Types: laterial: Non-fibrous 100	221093700-09	No	NAD
Asbestos Other M 401-1	Types: laterial: Non-fibrous 100	%	No	
Asbestos Other M 401-1 401 Analyst Desc Asbestos	Location: 2nd Floo	221093700-09 r Front Storage - Spray-On F cous, Fibrous, Bulk Material	No ireproofing (Light Gray)	NAD (by NYS ELAP 198.1) by Valeriu Voicu
Asbestos Other M 401-1 401 Analyst Desc Asbestos Other M	Location: 2nd Floo	221093700-09 r Front Storage - Spray-On F eous, Fibrous, Bulk Material Fibrous glass 45%, Non-fib	No ireproofing (Light Gray) rous 55%	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbestos Other M 401-1 401 Analyst Desc Asbestos Other M 401-2 401	Location: 2nd Floo cription: Gray, Homogenes Types: laterial: Cellulose Trace, Location: 2nd Floo	221093700-09 r Front Storage - Spray-On F eous, Fibrous, Bulk Material Fibrous glass 45%, Non-fib 221093700-10 r Front Storage - Spray-On F	No ireproofing (Light Gray) rous 55%	NAD (by NYS ELAP 198.1) by Valeriu Voicu
Asbestos Other M 401-1 401 Analyst Desc Asbestos Other M 401-2 401 Analyst Desc Asbestos	Location: 2nd Floo cription: Gray, Homogene s Types: laterial: Cellulose Trace, Location: 2nd Floo cription: Gray, Homogene s Types:	221093700-09 r Front Storage - Spray-On F eous, Fibrous, Bulk Material Fibrous glass 45%, Non-fib 221093700-10	No ireproofing (Light Gray) rous 55% No ireproofing (Light Gray)	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu
Asbestos Other M 401-1 401 Analyst Desc Asbestos Other M 401-2 401 Analyst Desc Asbestos Other M	Location: 2nd Floo cription: Gray, Homogene s Types: laterial: Cellulose Trace, Location: 2nd Floo cription: Gray, Homogene s Types:	221093700-09 r Front Storage - Spray-On F eous, Fibrous, Bulk Material Fibrous glass 45%, Non-fib 221093700-10 r Front Storage - Spray-On F eous, Fibrous, Bulk Material Fibrous glass 50%, Non-fib	No ireproofing (Light Gray) rous 55% No ireproofing (Light Gray)	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbestos Other M 401-1 401 Analyst Desc Asbestos Other M 401-2 401 Analyst Desc Asbestos	Location: 2nd Floo cription: Gray, Homogene stypes: laterial: Cellulose Trace, Location: 2nd Floo cription: Gray, Homogene stypes: laterial: Cellulose Trace, cription: Gray, Homogene stypes: laterial: Cellulose Trace,	221093700-09 r Front Storage - Spray-On F eous, Fibrous, Bulk Material Fibrous glass 45%, Non-fib 221093700-10 r Front Storage - Spray-On F eous, Fibrous, Bulk Material	No ireproofing (Light Gray) rous 55% No ireproofing (Light Gray) rous 50%	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu

Client Name: AMD Environmental Consultants, Inc.

PLM Bulk Asbestos Report

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

	HGA	Lab No.	Asbestos Present	Total % Asbestos
402-2	2	21093700-12	No	NAD
402	Location: 2nd Floor Front	Storage - Spray-On F	Fireproofing (Dark Gray)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbest	scription: Dark Gray, Homogeneo os Types: Material: Fibrous glass 65%, Nor		terial	
601-1	2	21093700-13	No	NAD
601	Location: 2nd Floor Front		· · ·	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbest	scription: White, Homogeneous, Nos Types: Material: Cellulose Trace, Non-fil		tterial	
601-2	2	21093700-14	No	NAD
601	Location: 2nd Floor Front	Storage - Insulation (White)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto Other	scription: White, Homogeneous, Nos Types: Material: Cellulose Trace, Non-fil	brous 100%		NAD
602-1	2	21093700-15	No	
602	Location: Front Entrance S			NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Analyst De Asbesto		Storefront To Concret	re - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu
Analyst De Asbesto Other	Location: Front Entrance S scription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1%	Storefront To Concret	re - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Analyst De Asbesto Other 602-2 602	Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1% Location: Front Entrance Secretary	Storefront To Concret Non-Fibrous, Bulk Ma 21093700-16 Storefront To Concret	re - Caulk (Black) sterial No se - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu
Analyst De Asbeste Other 602-2 602 Analyst De Asbeste	Location: Front Entrance S scription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1%	Storefront To Concret Non-Fibrous, Bulk Ma 21093700-16 Storefront To Concret	re - Caulk (Black) sterial No se - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.6) by Valeriu Voicu
Analyst De Asbest Other 602-2 602 Analyst De Asbest Other	Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1% Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 2.8%	Storefront To Concret Non-Fibrous, Bulk Ma 21093700-16 Storefront To Concret	re - Caulk (Black) sterial No se - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.6) by Valeriu Voicu
Asbesto Other 602-2 602 Analyst De Asbesto Other 603-1 603	Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1% Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 2.8%	Storefront To Concrete Non-Fibrous, Bulk Marzana Storefront To Concrete Non-Fibrous, Bulk Marzana Storefront To Concrete Concrete To Concrete Storefront To To Concrete Store	No se - Caulk (Black) Aterial No se - Caulk (Black) No se - Caulk (Tan)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21

Client Name: AMD Environmental Consultants, Inc.

PLM Bulk Asbestos Report

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

Client No.	/ HGA Lab No.	Asbestos Present	Total % Asbesto
603-2 603	221093700-18 Location: Front Entrance Concrete To Concre	No ete - Caulk (Tan)	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Dark Brown/Black, Homogeneous, Non-Fit tos Types: r Material: Non-fibrous 20.3%	brous, Bulk Material	
700-1 700	221093700-19 Location: Roof - Rolled Roof (Gray)	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Silver/Black, Heterogeneous, Fibrous, Bulk tos Types: r Material: Fibrous glass 2%, Non-fibrous 27.9%	< Material	
700-2 700	221093700-20 Location: Roof - Rolled Roof (Gray)	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Silver/Black, Heterogeneous, Non-Fibrous tos Types: r Material: Fibrous glass Trace, Non-fibrous 17.9%	, Bulk Material	
701-1 701	221093700-21 Location: Roof - Middle Layer Roofing (Black	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Black, Homogeneous, Non-Fibrous, Bulk N tos Types: r Material: Non-fibrous 9.3%	<i>f</i> laterial	
701-2 701	221093700-22 Location : Roof - Middle Layer Roofing (Black	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Black/White, Heterogeneous, Non-Fibrous tos Types: r Material: Fibrous glass Trace, Non-fibrous 10.7%	, Bulk Material	
702-1 702	221093700-23 Location: Roof - Bottom Layer (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbes	escription: White, Homogeneous, Fibrous, Bulk Mater tos Types: or Material: Fibrous glass 5%, Non-fibrous 95%	ial	311 10/0 1/2 1

Client Name: AMD Environmental Consultants, Inc.

PLM Bulk Asbestos Report

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

Client No.	/ HGA	Lab No.	Asbestos Present	Total % Asbestos
702-2 702	Location : Roof -	221093700-24 Bottom Layer (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbes	Description: White, Homog stos Types: er Material: Fibrous glass	eneous, Fibrous, Bulk Material 3%, Non-fibrous 97%		G.1. 16/6 1/2 1
703-1		221093700-25	No	NAD
703		Repair Tar (Black)		(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	Description: Black, Homogotos Types: Per Material: Non-fibrous 18	eneous, Non-Fibrous, Bulk Ma 3.3%	terial	
703-2		221093700-26	No	NAD
703		Repair Tar (Black)		(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	Description: Black, Homog stos Types: er Material: Non-fibrous 7.	eneous, Non-Fibrous, Bulk Ma 4%	terial	
704-1		221093700-27	No	NAD
704	Location: Roof -	Roof Paint (Silver)		(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	Description: Silver/Black, F Stos Types: er Material: Non-fibrous 16	leterogeneous, Non-Fibrous, B 3.2%	ulk Material	
704-2		221093700-28	No	NAD
704	Location: Roof -	Roof Paint (Silver)		(by NYS ELAP 198.6) by Valeriu Voicu
				on 10/01/21

AmeriSci Job #: **221093700** Page 6 of 6

Client Name: AMD Environmental Consultants, Inc.

PLM Bulk Asbestos Report

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

Reporting Notes:

Analyzed by: Valeriu Voicu Date: 10/1/2021 Reviewed by: Gabriella Morozov

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229915, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

END	OF REPOR	Τ

21-0928JD-A 25 153 Franklin St

AmeriSci Job #: 221093700

Client Name: AMD Environmental Consultants, Inc.

Table I Summary of Bulk Asbestos Analysis Results

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, 153 F
53 Franklin;
21-0928-JDA; 1

	** Asbestos % by TEM	NA		NA		N		NA		NA		N		NA		NA		N		NA		NA		Ν		AN		NA		NAD		NAD	
	** Asbestos % by PLM/DS	NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD	
Table I of Bulk Asbestos Analysis Results 153 Franklin; 153 Franklin, Buffalo, NY 10013	Insoluble Non-Asbestos Inorganic %			-		-		1		-		-		1				-		1		-		1		-		-		3.1		2.8	
Table I of Bulk Asbestos Analysis Results 153 Franklin; 153 Franklin, Buffalo, NY 100 [.]	Acid Soluble Inorganic %	1		-		-		1		-		-		1		1		1		1		1		1		1		1		8.99		0.99	
_	Heat Sensitive Organic %	-		-						-																1				30.1		31.2	
Summary 21-0928-JDA;	Sample Weight (gram)	!		-		!	Vhite)	!	Vhite)	-		!				!		-	fing (Light Gray)		fing (Light Gray)	!	fing (Dark Gray)	!	fing (Dark Gray)	1		!		0.263	k (Black)	0.211	k (Black)
	HG Area	101	rywall (White)	101	rywall (White)	101A	oint Compound (V	101A	oint Compound (V	201	hite)	201	hite)	201A	oound (White)	201A	oound (White)	401	oray-On Fireproo	401	oray-On Fireproo	402	oray-On Fireproo	402	oray-On Fireproo	601	sulation (White)	601	sulation (White)	602	Concrete - Caul	602	o Concrete - Caul
	Client Sample#	101-1	Location: 2nd Floor Front Storage - Drywall (White)	101-2	Location: 2nd Floor Front Storage - Drywall (White)	101A-1	2nd Floor Front Storage - Joint Compound (White)	101A-2	Location: 2nd Floor Front Storage - Joint Compound (White)	201-1	Location: Front Vestibule - Drywall (White)	201-2	Location: Front Vestibule - Drywall (White)	201A-1	Location: Front Vestibule - Joint Compound (White)	201A-2	Location: Front Vestibule - Joint Compound (White)	401-1	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Light Gray)	401-2	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Light Gray)	402-1	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Dark Gray)	402-2	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Dark Gray)	601-1	Location: 2nd Floor Front Storage - Insulation (White)	601-2	Location: 2nd Floor Front Storage - Insulation (White)	602-1	Location: Front Entrance Storefront To Concrete - Caulk (Black)	602-2	Location: Front Entrance Storefront To Concrete - Caulk (Black)
21-092	Amerisci V-Sample #	01	Location:	02	Location:	03	Location: 2	04	Location:	05	Location:	90		6	Location:	80	Location:	60	Location:	10	Location:	1	Location:	12		ღ 15		_₹	an Pocation:	٤ kli		_	Location:

See Reporting notes on last page

AmeriSci Job #: 221093700

Client Name: AMD Environmental Consultants, Inc.

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21-0928-J

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	603-1	603	0.181	47.1	35.8	17.2	NAD	NAD
Location: Fror	Location: Front Entrance Concrete To Concrete - Caulk (Tan)	oncrete - Caull	k (Tan)					
18	603-2	603	0.182	46.5	33.1	20.3	NAD	NAD
Location: Fror	Location: Front Entrance Concrete To Concrete - Caulk (Tan)	oncrete - Caull	k (Tan)					
19	700-1	200	0.323	27.3	42.8	29.9	NAD	NAD
Location: Roo	Location: Roof - Rolled Roof (Gray)							
20	700-2	200	0.285	27.4	54.7	17.9	NAD	NAD
Location: Roo	Location: Roof - Rolled Roof (Gray)							
21	701-1	701	0.176	52.5	38.2	9.3	NAD	NAD
Location: Roo	Location: Roof - Middle Layer Roofing (Black)	3lack)						
22	701-2	701	0.185	40.8	48.5	10.7	NAD	NAD
Location: Roo	Location: Roof - Middle Layer Roofing (Black)	3lack)						
23	702-1	702	1	-	1	-	NAD	A
Location: Roo	Location: Roof - Bottom Layer (White)							
24	702-2	702	!	1	I	1	NAD	AN
Location: Roo	Location: Roof - Bottom Layer (White)							
25	703-1	703	0.313	68.4	13.3	18.3	NAD	NAD
Location: Roo	Location: Roof - Repair Tar (Black)							
26	703-2	703	0.308	80.3	12.4	7.4	NAD	NAD
Location: Roo	Location: Roof - Repair Tar (Black)							
27	704-1	704	0.341	71.3	12.5	16.2	NAD	NAD
Location: Roo	Location: Roof - Roof Paint (Silver)							
28	704-2	704	0.224	0.99	24.6	9.4	NAD	NAD
Location: Roo	Location: Roof - Roof Paint (Silver)							

AmeriSci Job #: 221093700

Client Name: AMD Environmental Consultants, Inc.

Table I

Summary of Bulk Asbestos Analysis Results

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

** Asbestos % by PLM/DS Non-Asbestos Inorganic % Insoluble Inorganic % Acid Soluble Sensitive Organic % Sample Weight (gram) HG Area

Client Sample#

AmeriSci Sample #

21-0928JD-A

** Asbestos % by

Analyzed by: Gabriella Morozov Date: 10/2/2021

Reviewed by: Gabriella Morozov

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; UNSDON ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected Turing a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning Dermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning Dermiculite; Quantitative only; Qualitative analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Dermiculite; Quantitative only; Qualitative only; Qualitative analysis: NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-purple of the fine grained debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: AMD Environmental Consultants (4689)

Address: 72 E. Niagara Street

Suite 100

Tonawanda, NY 14150

Attn:

Project: 153 Franklin

Location: 153 Franklin Buffalo, NY 10013

Number: 21-0928JDA

Order #: 441142

Matrix Received Bulk 09/29/21 10/06/21

PO Number:

Reported

Sample ID Cust. Sample ID	Location					
Parameter	Method	Result	RL*	Units	Analysis Date	Analyst
441142-001 P-602						
Semi-volatile Organic Compo	unds					
Aroclor - 1016	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1221	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1232	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1242	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1248	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1254	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1260	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1262	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 1268	SW846 8082A	<469	469	μg/kg	10/05/21	AE
441142-002 P-603						
Semi-volatile Organic Compo	unds					
Aroclor - 1016	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1221	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1232	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1242	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1248	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1254	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1260	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1262	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 1268	SW846 8082A	<469	468	μg/kg	10/05/21	AE
MS failed due to possible matrix	interference.					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = $\mu g/kg$ and Water PPM = mg/L | PPB = $\mu g/L$. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: AMD Environmental Consultants (4689)

Address: 72 E. Niagara Street

Suite 100

Tonawanda, NY 14150

Attn:

Project: 153 Franklin

-Location: 153 Franklin Buffalo, NY 10013

LNumber: 21-0928JDA

PO Number:

RL*

Order #:

Matrix

Result

Received

Reported

Sample ID Cust. Sample ID Location

Method

441142-10/06/21 10:30 AM

Parameter

Kelly Munny

Units

441142

Bulk

09/29/21

10/06/21

Analysis Date Analyst

Reviewed By: **Kelly Muncy**Manager

Surrogate Recoveries

441142-001 - PCB

DCB 91% TCMX MI

441142-002 - PCB

DCB 85% TCMX MI

State Certifications

Method	Parameter	New York	Virginia	
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified	

State	Certificate Number
New York	ELAP 63558
Virginia	VELAP 11259

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = $\mu g/kg$ and Water PPM = mg/L | PPB = $\mu g/L$. The test results apply to the sample as received.



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

5.1 Analytical Key Terms and Definitions

PLM: Polarized Light Microscopy; type of analysis

TEM: Transmission Electron Microscopy; secondary analysis if applicable

NOB: Non-Friable Organically Bound; materials analyzed by PLM or TEM

NAD: No asbestos detected

NA: Not applicable

PS: Positive Stop

Trace: Less than 1% asbestos (Non ACM)

ACM: Asbestos Containing Material



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

6.0 Sample Chain(s) of Custody

Dolinguie	Polinguished By: Eric Miller		Date/Time: 9/28/2021			Rull Chain	Bull, Chain of Custody
sinhiiieu	iled by. Enc miller		Date IIIIe. Storoza	(78)	\	Dulk Chall	i oi custouy
Received By:	By:	\bigcap	Date/Time:		AMERI SCI		AMERISCI NEW YORK 117 East 30° Street New York, NY 10016
Received By:	By:		Date/Time:		www.amensoccom		Toll Free (800) 705-5227 Phone (212) 679-8600 Fax (212) 679-9392
Company	company: AMD Environmental	onmental		Project: 153 Franklin		AMERISCI #:	
Street Ad	Street Address: 72 E Niaga	E Niagara Street, Suite 100		Proj Mgr: Eric Miller	iller	Proj #: 21-0928-JDA	
city: Buffalo		State: NY Zip: 1	Zip: 14150	Proj Address: 1	Proj Address: 153 Franklin, Buffalo, NY 10013		
Phone: 7	Phone: 716-833-0043	Cell: Fax Results? Y	s? Y Fax #:	Analysis: PLM; ASTM Dust (Micr	(Positive Stop:)	TEM; (NY ELAP PLM/TEM w/ NOB Prep. Qualitative; Other (describe in comments))B Prep. ments)
Email Res	Email Results? Y ✓ Email:	Email: to all parties listed below	elow	Turnaround Time: 5 Day	e: 5 Day Material Type:	Type: (Bulk) Dust Water	
Results to	o: jwolf@amden\	Results to: jwolf@amdenv.com, anthony@amdenv.com,	denv.com,	Sampled By: Eri	Sampled By: Eric Miller, John Doucette	Date Sampled: 9/28/2021	9/28/2021
Special Ir admin	Special Instructions or Comments: admin@amdenv.com.	1	dbatt@amdenv.com, john.d	ohn.doucette@amdenv.com	ndenv.com	#221093	3700
Lab ID	Field ID)	Location)	Sample Description (dust area)		Homogenous Area
	101-1		2ND FLOOR - FRONT STORAGE	3E	DR	DRYWALL - WHITE	
	101A-1						
	101A-2		2ND FLOOR - FRONT STORAGE	GE	JOINT	JOINT COMPOUND - WHITE	
	201-1		EDONIT VIECTIBILI		2	VANZAT T VALUE	
	201-2		FRONI VESTIBULE		DIS	DRIWALL - WHILE	
	201A-1		EDONT VECTIBILE		TNIOI	IONT COMBOUND - WHITE	
	201A-2		TACAL VESTIBOLE		THOS	THIN - MINT	
	401-1	,	2ND FLOOR - FRONT STORAGE	TF.	SPRAY ON FIR	SPRAY ON FIRE PROOFING - LIGHT GREY	
	401-2						
	402-1	1	2ND FLOOR - FRONT STORAGE	TF.	SPRAY ON FIR	SPRAY ON FIRE PROOFING - DARK GREY	
	402-2						
	601-1		2ND FLOOR - FRONT STORAGE	표	ISNI	NSIII ATION - WHITE	
	601-2						
	602-1	FRONTE	FRONT ENTRANCE - STOREFRONT TO CONCRETE	CONCRETE		CAULK - BLACK	
	602-2						
	603-1	FRONT	FRONT ENTRANCE - CONCRETE TO CONCRETE	CONCRETE		CAULK - TAN	
	603-2						
	2007		ROOF		KOL	ROLLED ROOF - GREY	
	701-1		rood		ו ווממוויא	AND POOPERIOR DIAGON	
	701-2		KOOF		MIDDLE L.	MIDDLE LATER ROOFING - BLACK	
	702-1		BOOF		TOTAL	BOTTOM I A VEB - WHITE	
	702-2		JOON				
	703-1	ı	ROOF		REP	REPAIR TAR - BLACK	- 0
	703-2						
	704-1		ROOF		ROC	ROOF PAINT - SILVER	
	704-2						

SLG

SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475 www.slabinc.com e-mail: info@slabinc.com 441142

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Sample # Sam	ma-000000 153 700-1111	N. OUPF	tco, NY 10013	SILISTERATION	
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All soil and equeous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. All soil and equeous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Pallure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a discialimer on the report. Sampled by Relinquished to lab by NAME SIGNATURE DATE/TIME DATE/TIME PASS LLAM Receive a physical copy of report. WB:	P-GOZ 9/20 11AM				
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NAME SIGNATURE SIGNATURE DATE/TIME 9/23 11 M DATE/TIME Receive a physical copy of report. Return to Sender (shipping fees) Disposal by lab (sso fee) Shipping Methods FX UPS USM HD DB WB:	All soil and aqueous samples m Failure to perform a sample	nust be sent in ade duplicate analysis	quate quantity for duplicate s, due to a lack of sample q	analysis to be uantity, will lea	
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DATE/TIME	NAME PROPERTY OF THE PROPERTY				Shipping Methods
Receive a physical copy of report.					☐ HD ☐ DB
Preserved Yes No Ambient terrip Like *Temperature taken with IR Gun A. **Required. Chain-of-Custody documentation continued internally within lab.Terms and conditions page 2.	Preserved T Yes T No T Ambient temp C	l ice	R S X	Recei	ve a physical copy of report. WB:



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

Appendix A: XRF Performance Characteristic Sheet (PCS)

Performance Characteristic Sheet

EFFECTIVE DATE:

September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make:

Niton LLC

Tested Model: XLp 300

Source:

¹⁰⁹Cd

Note:

This PCS is also applicable to the equivalent model variations indicated

below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and

XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A. XLp 300A, XLp 301A, XLp 302A and XLp 303A. XLi 700A, XLi 701A, XLi 702A and XLi 703A. XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for: Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm²)
Results not corrected for substrate bias on any	Brick	1.0
substrate	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

	Testing Times Using K+L Reading Mode (Seconds)									
		All Data		Median for lab	ooratory-measur (mg/cm²)	ed lead levels				
Substrate	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 <u><</u> Pb				
Wood Drywall	4	11	19	11	15	11				
Metal	4	12	18	9	12	14				
Brick Concrete Plaster	8	16	22	15	18	16				

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



AMD Environmental Consultants, Inc. 72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

Appendix B: Firm Certifications and Personnel Licenses

21-0928JD-A 39 153 Franklin St



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716-833-0043 Fax: 716-241-8689 www.amdenvironmental.com

New York State - Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

AMD Environmental Consultants, Inc. Suite 100 72 E. Niagara Street

Tonawanda, NY 14150

FILE NUMBER: 10-56177 LICENSE NUMBER: 56177 LICENSE CLASS: RESTRICTED DATE OF ISSUE: 11/19/2020 EXPIRATION DATE: 11/30/2021

Duly Authorized Representative - Anthony DeMiglio:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

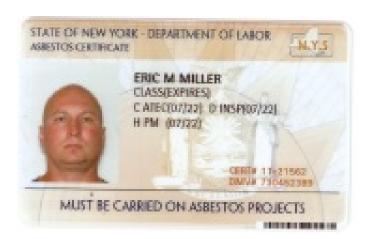
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

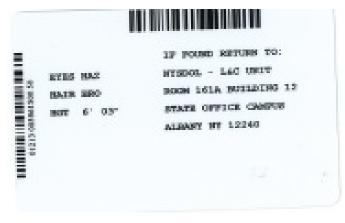
SH 432 (8/12)

Amy Phillips, Director For the Commissioner of Labor



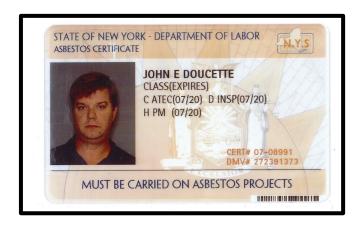
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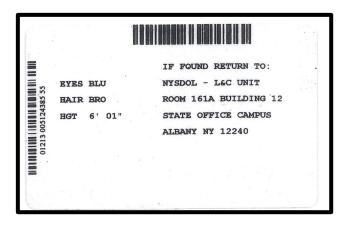






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United States Environmental Protection Agency This is to certify that

AMD Environmental Consultants, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires

December 25, 2022

LBP-83285-2

Certification #

October 29, 2019

Issued On

THED STATES TO A S

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



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United States Environmental Protection Agency

This is to certify that



John E Doucette

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 14, 2024

LBP-R-16234-2

Certification #

April 27, 2021

Issued On



Ben Conetta, Chief

Chemicals and Multimedia Programs Branch



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All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories This certification is valid from the date of issuance and expires LBP-R-118039-1 Certification W September 18, 2017 Issued On



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Appendix C: Laboratory Certifications



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NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2021 Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT A. THEYS ACCURATE ANALYTICAL TESTING, LLC 30105-BEVERLY RD. ROMULUS, MI 48174 NY Lab Id No: 11864

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total

Miscellaneous

Lead in Dust Wipes Lead in Paint

Sample Preparation Methods

EPA 7000B

EPA 7000B EPA 7000B

YORK

AAT SOP S235
AAT SOP S207, rev. S
AAT SOP S228, rev. A
EPA 3050B

ASTM E-1644-17

Department

Serial No.: 61589

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

Page 1 of 1



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NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2021 Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. THOMAS R. MCKEE AMERISCI RICHMOND 13635 GENITO RD MIDLOTHIAN, VA 23112 NY Lab Id No: 10984

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Asbestos-Vermiculite-Containing Material Item 198.8 of Manual

Serial No.: 61267

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

Page 1 of 1

Pre-Renovation Asbestos, PCBs in Caulk and Lead Paint Inspection Report

Project Location:

Buffalo Niagara Convention Center – Façade Restoration Project 153 Franklin St Buffalo, NY 14202

Project ID: 21-0928JD-A

Conditions as of: September 28th, 202

Prepared for:

Mike LaValley Trautman Associates 37 Franklin St Suite 100 Buffalo, NY 14202

Prepared by:



AMD Environmental Consultants,

72 E Niagara St. Suite 100 Tonawanda, NY 14150 OFFICE (716) 833-0043 | FAX (716) 241-8689 www.amdenvironmental.com



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October 8th, 2021

Mike LaValley Trautman Associates 37 Franklin St Suite 100 Buffalo, NY 14202

Re: Pre-Renovation Asbestos, PCBs in Caulk and Lead Paint Inspection Report

Buffalo Niagara Convention Center - Façade Restoration Project

153 Franklin St Buffalo, NY 14202

AMD Project ID: 21-0928JD-A

Mr. LaValley;

I am pleased to present this summary of asbestos survey services at the above referenced address.

AMD Environmental conducted a pre-renovation asbestos, PCBs in caulk and lead paint inspections at the above referenced address on September 28th, 2021. Pre-renovation asbestos sampling at the above referenced building was conducted by sampling suspect asbestos containing materials (ACM) related to the façade restoration project. Asbestos containing materials (ACM) were not identified above 1% in materials that were sampled. For more detail refer to the summary on page 4. Additionally, lead paint and PCBs in caulks sampling were conducted for renovation areas. Lead based paint was not identified for areas that were tested. PCBs in caulk hazards were also not identified.

New York State asbestos regulations (12 NYCRR 56-5) require that asbestos surveys are conducted in order to determine whether or not the building or structure, or portion(s) thereof to be demolished, renovated, remodeled, contains ACM, PACM or asbestos materials. These regulations also require that a copy of the pre-renovation survey be forwarded to the local New York State Department of Labor (NYSDOL) Asbestos Control Bureau immediately upon completion of the survey (NYSDOL contact info. at end of report). If requested in writing, a copy of the survey will be submitted on your behalf to the NYSDOL, otherwise a copy must be submitted by the owner.

AMD Environmental Consultants, Inc. surveys are intended to determine, to a reasonable extent, the presence, location, quantity, and condition of accessible asbestos containing materials (surfacing, thermal systems insulation, and miscellaneous materials). The information contained herein is representative of conditions found onsite during the date/time this survey was conducted. Environmental conditions, renovation, vandalism, etc. may alter conditions from the date/time that this survey was conducted, potentially creating new hazards.

Please do not hesitate to contact me if I may provide any additional information.

Sincerely,

Anthony DeMiglio President



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- 1.2 Executive Summary
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- 1.4 Methodology

2.0 Lead Based Paint Inspection

- 2.1 Introduction
- 2.2 Methodology
- 2.3 Lead-Based Paint Chip Inspection Summary
- 2.4 XRF Spectrum Analyzer Report

3.0 PCBs in Caulk

4.0 Site Photographs

5.0 Laboratory Analytical Results

5.1 Key Terms and Definitions

6.0 Sample Chain(s) of Custody

APPENDIX

Appendix A: XRF Performance Characteristic Sheet (PCS) Appendix B: Firm Certification and Personnel License(s)

Appendix C: Laboratory Certifications



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1.0 Asbestos Inspection

1.1 Introduction

AMD Environmental Consultants, Inc (AMD) was retained by Trautman Associates to conduct representative sampling at the property located at 153 Franklin St in Buffalo, NY for the presence of materials suspected of containing asbestos.

AMD was assigned to:

- Locate suspect asbestos containing materials (ACM),
- Sample these materials to determine asbestos content, and
- Identify the locations and estimated quantities of the confirmed ACM.

The information following this introduction details the amount of asbestos present in this facility and the location of the asbestos containing building materials (ACBM). Although the report is a comprehensive analysis of the asbestos inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of asbestos containing building materials (ACBM).

The following is a list of suggested reading and information sources relating to asbestos:

- New York State Department of Labor Industrial Code Rule 56
- National Emission Standard for Hazardous Air Pollutants (NESHAPS)
- Occupational Safety and Health Administration (OSHA 1926.1101, 1910.134, 1910.1020, 1910.1200, 1910.145, 1910.95, 1926.58)
- Environmental Protection Agency rule CFR 763.46 Asbestos Hazard Emergency Response Act



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1.2 Executive Summary

The scope of services included representative pre-renovation asbestos sampling at the above referenced address. Work was conducted by sampling suspect Asbestos Containing Materials (ACM) throughout the property in areas of planned renovations, identification of suspect asbestos containing building materials in areas of planned renovations only; sampling and analysis of the suspect materials; and identifying the locations and estimated quantities of the confirmed ACM.

Sampling and analysis of the suspect materials under Polarized Light Microscopy (PLM), and where necessary under Transmission Electron Microscopy (TEM), revealed the following materials as asbestos containing building materials (ACBM):

ASBESTOS CONTAINING MATERIALS SUMMARY

HAN	Material Description	SID (Space Identification Number)	Estimated Quantity SF*	Friability/ Condition
N/A	N/A	N/A	N/A	N/A

Asbestos containing materials (ACM) were not identified above 1% in materials that were sampled.

KEY TERMS AND DEFINITIONS:

HAN=Homogenous Area Number; number assigned to categorize materials of like composition, texture and appearance

SID=Space Identification Number: Sample Locations

Friability/Condition:

F=Friable: a material that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure, or is capable of being released into the air by hand pressure.

NF=Non Friable: a material that when dry cannot be crumbled, pulverized, or reduced to hand pressure, and is not capable of being released into the air by hand pressure

I=Intact: Asbestos material that has not crumbled, been pulverized, or otherwise been damaged or disturbed, and the material's matrix has not noticeably deteriorated.

D=Damaged: Asbestos material that has deteriorated or sustained physical injury demonstrated by separation of the ACM into layers, separation of the ACM from the substrate, flaking, blistering, crumbling, water damage, scrapes, gouges, or other signs of physical injury.

SD=Significantly Damaged: Damaged asbestos where the damage is extensive and severe.

ACM=Asbestos Containing Material: material analyzed and confirmed by laboratory to contain above 1% of asbestos

PACM= Presumed Asbestos Containing Material: this material was assumed to contain asbestos to either save the client on lab fees or because the material was adhered to another asbestos containing material (or adjacent to other materials needing abatement) and must be managed as such.

^{*}Quantities are approximate, and are only associated with areas of planned renovation. Additional asbestos containing materials may be located outside areas of planned renovation that were not surveyed, assessed or quantified during this inspection.



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1.3 Purpose

The purpose of the asbestos inspection was to identify and quantify the types of asbestos containing building materials (ACBM) in the building. Samples of the suspect materials were collected for analysis by an independent laboratory, and the condition of each material noted in relation to its potential to be disturbed; The potential for fiber release was also considered.

The report is generated for the exclusive use of Trautman Associates, and its representatives or agents, and is not designed to serve as a specification for abatement. Before requesting bids for abatement of materials identified in this report, the owner is strongly encouraged to contract with a consultant to provide this valuable service. A specification assures that all contractors are bidding on the same methodology and following the specific requirements for the work to be performed.

The inspection was conducted by NYS DOL Certified Asbestos Inspectors Eric Miller and John Doucette on September 28th, 2021 and revealed the following suspect asbestos containing building materials:

HOMOGENOUS MATERIALS & SAMPLE RESULTS

HAN	Suspect Asbestos Containing Material Description	SID (Space Identification Number)	Sample No.	ACM (Yes/ No)	Est. Quantity* (SF)	Friability/ Condition
101	Drywall	2 nd Floor – Front Storage Room	101-1, 101-2	No	N/A	F/I
101A	Joint compound	2 nd Floor – Front Storage Room	101A-1, 101A-2	No	N/A	F/I
201	Drywall	Front Vestibule	201-1, 201-2	No	N/A	F/I
201A	Joint compound	Front Vestibule	201A-1, 201A-2	No	N/A	F/I
401	Spray-on fireproofing – light grey	2 nd Floor – Front Storage Room	401-1, 401-2	No	N/A	F/I
402	Spray-on fireproofing – dark grey	2 nd Floor – Front Storage Room	402-1, 402-2	No	N/A	F/I
601	White insulation	2 nd Floor – Front Storage Room	601-1, 601-2	No	N/A	F/I
602	Black caulk	Front Entrance	602-1, 602-2	No	N/A	NF/I
603	Tan caulk	Front Entrance	603-1, 603-2	No	N/A	NF/I
700	Grey rolled roof	Roof	700-1, 700-2	No	N/A	NF/I
701	Middle layer roofing	Roof	701-1, 701-2	No	N/A	NF/I
702	Bottom layer roofing	Roof	702-1, 702-2	No	N/A	NF/I
703	Repair tar	Roof	703-1, 703-2	No	N/A	NF/I
704	Silver roof paint	Roof	704-1, 704-2	No	N/A	NF/I



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The above listed table provides a list of the materials that were sampled and tested for asbestos by Polarized Light Microscopy (PLM) and or Transmission Electron Microscopy (TEM), as applicable. Any sample determined to be a non-friable organically bound material (NOB), and which was found to be negative by Polarized Light Microscopy (PLM) analysis, was then analyzed by Transmission Electron Microscopy (TEM) analysis at American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP Certified laboratory (ID: 11480) and conducts analysis according to EPA Method 198.1, 198.4 and 198.6. See Section 2.0 for the laboratory's analytical results.

1.4 Methodology

All work performed by AMD Environmental Consultants, Inc. was conducted in accordance with applicable regulations, including New York State Department of Labor standards 12NYCRR Part 56, National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Occupational Safety and Health Administration regulations 29CFR1910.1101 and 29CFR1910.134. All AMD personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training and New York State Department of Labor Division of Safety and Health certification program.

Each suspect asbestos containing building material (ACBM) was assigned a homogenous area number (HAN). Homogeneous areas consist of materials of like composition, texture and appearance.

Based on the homogeneous areas, samples of suspect materials were collected. Techniques used for sample collection were designed to minimize damage to suspected areas, reduce any potential for fiber release, and ensure the safety of the inspector and building occupants. Samples were collected by AMD personnel using the following procedures:

- 1. The surface to be sampled was sprayed with amended water (detergent and water) as necessary
- 2. A plastic sample bag was held to the surface sampled
- 3. The sample was collected using tools appropriate to the friability of the material sampled
- 4. Sample bags were labeled with a unique sample identification number
- Samples were recorded on a Chain of Custody form, and submitted under strict chain-ofcustody procedures to American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP and NYSDOH approved, certified laboratory for PLM and TEM analysis (ELAP ID: 11480).

Samples were first analyzed using PLM, Polarized Light Microscopy in accordance with US Environmental Protection Agency Interim Method, 40CFRPt763, Supt F, App A(7-1-87). For the sample results not considered definitive, additional analysis was performed under Transmission Electron Microscopy (TEM) in accordance with NYSDOH ELAP Item 198.4, for Non-friable Organically Bound Bulk Material (NOB). The results of these analyses confirmed whether or not a suspect materials actually contained asbestos. All materials sampled are summarized in Section 1.3 of this report; the presumed asbestos containing materials and materials containing asbestos above 1.0% are listed in Section 1.2.



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2.0 Lead-Based Paint Inspection

2.1 Introduction

AMD Environmental Consultants, Inc (AMD) was retained by Trautman Associates to conduct limited Lead-Based Paint sampling throughout the property in areas of planned renovations at 153 Franklin St in Buffalo, NY for the presence of surfaces containing lead-based paint.

Although this report is a limited representative analysis of the lead-based paint in the basement, the following information, as well as a reading of the sources listed at the end of this section, will help ensure compliance to applicable rules, laws and regulations regarding lead based paint.

TITLE X:

On October 28, 1995, the Housing and Community Development Act of 1992 was signed into law. Title X, as this bill is commonly referred to, is comprehensive and significant in addressing lead poisoning and prevention. Under the Toxic Substances Control Act (TSCA), as amended by Title X, EPA is developing regulations governing lead-based paint hazard evaluation and abatement in private and public housing, public and commercial buildings, and commercial structures.

Although it is recommended that property owners, lenders, insurers, etc. become familiar with the full content of Title X and the EPA regulations, an understanding of the following terms will assist in the interpretation of the results of this survey:

- 1. The term "lead-based paint" as used in Title X is defined as paint on surfaces with lead in excess of 1.0 mg/cm² (milligrams per centimeter squared) as measured by X-ray fluorescence (XRF) detector or 0.5 percent by weight.
- 2. The term "lead based paint hazard" is defined as any condition that causes exposure to lead sufficient to cause adverse human effects.
- 3. "Deteriorated LBP" is any interior or exterior LBP that is peeling, chipping, chalking, or cracking, or located on a surface or fixture that is damaged or deteriorated.
- 4. LBP on any "friction surface" is defined as any interior or exterior surface subject to damage by repeated impacts, such as painted floors and friction surfaces on windows.
- 5. LBP on any "impact surface" is defined as any interior or exterior surface subject to damage by repeated impacts, such as parts of door frames.
- 6. LBP on any "accessible surface" is defined as any interior or exterior surface accessible for a young child to mouth or chew, such as a window sill.
- 7. "Lead-contaminated dust" is defined as a surface dust in residential dwellings that contains an area or mass concentration of lead in excess of the standard to be established by EPA.



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<u>OSHA</u>

On May 4, 1993, OSHA promulgated the Lead Exposure in Construction Rule (29 CFR Part 1926.62). This regulation applies to all construction activities involving potential lead exposures. This regulation defines construction work as "...work for construction, alteration and/or repair including painting and decorating" and further states "...the standard for the construction industry applies to all occupational exposure to lead in all construction work in which lead, in any amount, is present in an occupationally related context ... where the source of the lead is employment related..."

The employer must ensure that no worker is exposed to concentrations of lead in excess of the permissible exposure limit (PEL) for lead, which is an eight hour time weighted average (TWA) exposure of 50 mg/m3 (micrograms per cubic meter). This means that the pre-project site must be inspected to determine if a lead hazard exists. If determined to exist, the employer must either perform an "Exposure Assessment" as defined in 29 CFR Part 1926.62 paragraph (d), or implement employee protective measures as prescribed in paragraph (d)(2)(v) including appropriate respiratory protection, personal protective clothing, change areas, hand washing facilities, biological monitoring, and training.

HUD

The statutory requirements and foundations for HUD Guidelines can be found in Section 302 of the Lead-Based Paint Poisoning Prevention Act (LBPPPA).

Certain aspects of the HUD Guidelines are typically applied to public and commercial buildings. The most common adopted techniques used to identify LBP are X-ray Fluorescence Spectrum Analyzer (XRF) and Atomic Absorption Spectroscopy (AAS). HUD defines LBP as having an XRF reading greater than 1.0 mg of lead per centimeter squared, or a paint chip analyzed by AAS having greater than 0.5 percent lead by weight.

The above information coupled with this report will help assure compliance to applicable laws and regulations and protect the occupants and contractors from exposure while in the building.



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2.2 Methodology

All work performed by AMD Environmental Consultants, Inc. was conducted in accordance with applicable regulations. All AMD personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training. Please see Appendices A and B for certifications and licenses and risk assessors' signatures.

AMD Environmental Consultants, Inc. used a Niton XLp 300 Analyzer to test suspect painted surfaces. Progression through the structure followed a clockwise direction around the floor plan. Each component tested is identified by its particular side of the building, labeled walls "A, B, C, or D". Side A of any room is always the same side as the front exterior entrance (or address side of the building). Side B is the side to the left of side A, and so on.

Representative surfaces/components were tested in a manner designed to adequately represent the different components, substrates, types of paint, construction and paint history at various locations throughout the building, including areas exhibiting peeling, chipping and flaking paint.



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2.3 Lead-Based Paint Inspection Summary

AMD's on-site lead risk assessor conducted the representative lead-based paint sampling on September 28th, 2021 in areas of planned renovations. Painted components throughout the interior of 153 Franklin St in Buffalo, NY were identified and tested based on component groups and paint history. Surfaces tested included (interior walls, ceilings, doors, structural members and window components).

Component groups that were identified to contain lead-based paint are listed below:

No components were identified to contain lead-based paint.

Please see the table in Section 2.4 for the complete XRF analysis of individual components and substrates.



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2.4 XRF Spectrum Analyzer Report

Reading No	Side	Room	Component	Substrate	Color	XRF Reading	Condition	Results
1	Α		CALIBRATION			1		
2	Α		CALIBRATION			< LOD		
3	А	2ND FLOOR STORAGE	DOOR	METAL	BROWN	< LOD	INTACT	Negative
4	А	2ND FLOOR STORAGE	DOOR	METAL	BROWN	< LOD	INTACT	Negative
5	A	2ND FLOOR STORAGE	DOOR CASING	METAL	BROWN	< LOD	INTACT	Negative
6	А	2ND FLOOR STORAGE	STRUCTURAL STELL	STEEL	BROWN	< LOD	INTACT	Negative
7	А	2ND FLOOR STORAGE	SPIRAL STAIRS	STEEL	GREEN	< LOD	INTACT	Negative
8	A	FACADE	VESTIBULE ENTRANCE DOOR CASING	METAL	BROWN	< LOD	INTACT	Negative
9	А	FACADE	VESTIBULE ENTRANCE DOOR CASING	METAL	BROWN	< LOD	INTACT	Negative
10	A	FACADE	COLUMN	CONCRETE	BEIGE	< LOD	INTACT	Negative
10	_ A	TACADE	COLOIVIIN	CONCRETE	BLIGE	\ LOD	INTACT	ivegative
11	Α	ENTRANCE	WALL	DRYWALL	WHITE	< LOD	INTACT	Negative
12	Α		CALIBRATION			1		
13	Α		CALIBRATION			< LOD		



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3.0 Polychlorinated Biphenyls (PCBs) Inspection

3.1 Introduction

AMD Environmental was retained by Trautman Associates to inspect 153 Franklin St in Buffalo, NY for the presence of caulking/sealant materials suspected of containing Polychlorinated Biphenyls (PCBs) in areas of planned renovations.

The information following this introduction details the amount of asbestos present in this facility and the location of the Polychlorinated Biphenyls (PCBs). Although the report is a comprehensive analysis of the Polychlorinated Biphenyls (PCBs) inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of Polychlorinated Biphenyls (PCBs).

3.2 Executive Summary Results Table

Polychlorinated Biphenyls (PCB) in Caulks/Sealants Sampling Summary Table

Туре	Location	Results (μg/kg)	Results reported In ppm	Hazardous Waste (Y/N)
Window/door caulk	153 Franklin St	<469	0.469	No
Window/door caulk	153 Franklin St	<468	0.468	No

During the PCB sampling conducted on September 28th, 2021. Two (2) representative samples were collected for analysis. The Laboratory analysis performed on samples revealed the following:

• The window/door caulk and expansion joint caulk materials sampled on the date of inspection were found to be below the 50 ppm threshold for PCB's by laboratory analysis.



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3.3 Purpose

Polychlorinated Biphenyls (PCBs) are synthetic organic chemical compounds often sought out for the use of electric and heating equipment due to their chemical stability and inflammable properties. Products that contain PCB range from plasticizers and caulking products to oils used in paints and motor and hydraulic systems. Manufacturing of the man-made chemical ceased in 1977 when the United States ruled to ban the production of PBC for use in any commercial and industrial application. Prior to the ban, approximately 1.5 billion pounds of PCB products were produced in the United States.

PCBs are labeled as bio-accumulative toxins by cause of their harmful effects on human health, including the growth of malignant and benign tumors, fetal death, mutations, and liver disease. PCBs are formed by durable bonds that do not break down easily and are cycled through water, air, and soil systems when released into the environment. Contamination of this chemical has spread far and wide, and has been known to accumulate on above soil parts of plants and to be taken up by small organisms.

In 1976, United States Congress enacted Section 6(e) of the Toxic Substances Control Act (TSCA) to include prohibition and regulation of Polychlorinated Biphenyls (PBCs) among other chemical substrates and/or mixtures.

3.4 Methodology

AMD Environmental Consultants collected samples of at least 10g of Caulk/Sealant. Samples were recorded and handled according to strict chain-of-custody protocol sample sizes and submitted to a Schneider Laboratories Global, Inc. in Richmond, VA for analysis by EPA Method 8082.

Materials with PCB levels <50 ppm for bulk and <10 ug/100cm2 for surface concentrations are effectively regulated in the same way under C.F.R. part 761. If concentrations are above these limits, the waste is considered to be hazardous wastes and will need to be disposed of appropriately and accordingly to federal regulation. This does not include small capacitors as defined in paragraph (3) of NYCRR Part 371 and PCB Articles drained in accordance with subparagraphs (2)(ii) and (iii) of Part 371 Section (e).



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4.0 Site Photographs

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Appendix I

Site Photographs





Location:

2nd Floor Front Storage Room

Observation:

Drywall and joint compound tested negative for asbestos



Location: 2nd Floor Front Storage Room

Observation:

Light grey spray-on fireproofing tested negative for asbestos

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Appendix I

Site Photographs





Location:

Front entrance

Observation:

Vestibule entrance door casing tested negative for lead-based paint; black door caulk tested negative for asbestos



Location: 2nd Floor Front Storage Room

Observation:

White insulation tested negative for asbestos

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Appendix I

Site Photographs





Location:

2nd Floor Front Storage Room

Observation:

Door and casing tested negative for lead-based paint



Location:

Rolled roof

Observation:

Rolled roofing tested negative for asbestos

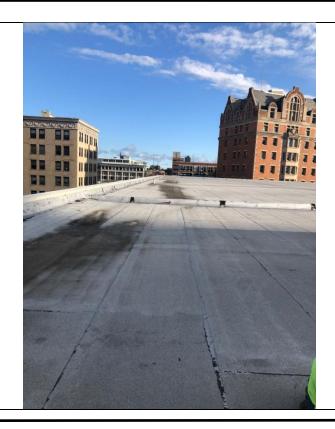
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Appendix I

Site Photographs





Location:

Roof

Observation:

Roofing all tested negative for asbestos



Location: 2nd Floor Front Storage Room

Observation:

Green spiral stairs tested negative for lead-based paint



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5.0 Laboratory Analytical Results



AmeriSci New York

117 EAST 30TH ST. NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

AMD Environmental Consultants, Inc.

Attn: John Wolf

72 East Niagara Street

Suite 100

Tonawanda, NY 14150

Date Received 09/29/21 **AmeriSci Job #** 221093700

Date Examined 10/01/21 **P.O.** #

ELAP# 11480 **Page** 1 **of** 6

	GA Lab No.	Asbestos Present	Total % Asbestos				
101-1 101	221093700-01 Location: 2nd Floor Front Storage - Drywall (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21				
Asbestos	ription: White/Brown, Heterogeneous, Fibrous, Bulk Mate Types: aterial: Cellulose 20%, Fibrous glass 1%, Non-fibrous 7						
101-2	221093700-02	No	NAD				
101	Location: 2nd Floor Front Storage - Drywall (White)		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21				
Analyst Desc Asbestos	ription: White/Brown, Heterogeneous, Fibrous, Bulk Mate Types:	erial					
	aterial: Cellulose 10%, Fibrous glass 1%, Non-fibrous 8	9%					
101A-1	221093700-03	No	NAD				
1011	L	1.040.40	(b NIVO EL AD 400 4)				
	Location: 2nd Floor Front Storage - Joint Compound		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21				
Analyst Desc Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia		by Valeriu Voicu				
Analyst Desc Asbestos Other Ma	ription: White, Homogeneous, Non-Fibrous, Bulk Materia		by Valeriu Voicu				
Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100%	No	by Valeriu Voicu on 10/01/21				
Analyst Desc Asbestos Other Ma 101A-2 101A Analyst Desc Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100% 221093700-04 Location: 2nd Floor Front Storage - Joint Compoundation: White, Homogeneous, Non-Fibrous, Bulk Materia	No d (White)	by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu				
Analyst Desc Asbestos Other Ma 101A-2 101A Analyst Desc Asbestos Other Ma	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100% 221093700-04 Location: 2nd Floor Front Storage - Joint Compoun ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types:	No d (White)	by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu				
Analyst Desc Asbestos Other Ma 101A-2 101A Analyst Desc Asbestos	ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100% 221093700-04 Location: 2nd Floor Front Storage - Joint Compoun ription: White, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Cellulose Trace, Non-fibrous 100%	No d (White)	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21				

PLM Bulk Asbestos Report

	HGA	Lab No.	Asbestos Present	Total % Asbestos
 201-2		221093700-06	No	NAD
201	Location: Front V	estibule - Drywall (White)		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto	s Types:	Heterogeneous, Fibrous, Bulk I Fibrous glass 1%, Non-fibro		
 201A-1		221093700-07	No	NAD
201A		estibule - Joint Compound (Wh		(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto	scription:White, Homoge os Types: Material: Non-fibrous 10	eneous, Non-Fibrous, Bulk Mai 0%	terial	
201A-2		221093700-08	No	NAD
201A	Location: Front V	estibule - Joint Compound (Wh	nite)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Aliaival Des				
Asbesto Other	os Types: Material: Non-fibrous 10	-		NAD
Asbesto Other I	os Types: Material: Non-fibrous 10		No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto Other I 401-1 401 Analyst Des Asbesto	Location: 2nd Floscription: Gray, Homogers Types:	0% 221093700-09 for Front Storage - Spray-On Fineous, Fibrous, Bulk Material	No ireproofing (Light Gray)	(by NYS ELAP 198.1) by Valeriu Voicu
Asbesto Other 401-1 401 Analyst Des Asbesto Other	Location: 2nd Floscription: Gray, Homogers Types:	221093700-09 For Front Storage - Spray-On Foreous, Fibrous, Bulk Material Foreign Spray - Spray-On Foreign Spray - On Foreign Spray - On Foreign Spray - On Fibrous Glass 45%, Non-fibrous Glass 45%, Non-fibr	No Fireproofing (Light Gray) Frous 55%	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto Other 401-1 401 Analyst Des Asbesto Other 401-2	Location: 2nd Floscription: Gray, Homoger s Types: Material: Cellulose Trace	0% 221093700-09 for Front Storage - Spray-On Fineous, Fibrous, Bulk Material	No ireproofing (Light Gray) rous 55%	(by NYS ELAP 198.1) by Valeriu Voicu
Asbesto Other 401-1 401 Analyst Des Asbesto Other 401-2 401 Analyst Des Asbesto	Location: 2nd Flo scription: Gray, Homoger bs Types: Material: Cellulose Trace Location: 2nd Flo scription: Gray, Homoger bs Types:	221093700-09 For Front Storage - Spray-On Foreous, Fibrous, Bulk Material e, Fibrous glass 45%, Non-fib 221093700-10 For Front Storage - Spray-On Foreous, Fibrous, Bulk Material	No ireproofing (Light Gray) rous 55% No ireproofing (Light Gray)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu
Asbesto Other 401-1 401 Analyst Des Asbesto Other 401-2 401 Analyst Des Asbesto Other	Location: 2nd Flo scription: Gray, Homoger bs Types: Material: Cellulose Trace Location: 2nd Flo scription: Gray, Homoger bs Types:	221093700-09 For Front Storage - Spray-On Fineous, Fibrous, Bulk Material Eq. Fibrous glass 45%, Non-fib 221093700-10 For Front Storage - Spray-On Fineous, Fibrous, Bulk Material Eq. Fibrous glass 50%, Non-fibre, Fibrous glass 50%, Non-fibre, Fibrous glass 50%, Non-fibre, Fibrous glass 50%, Non-fibre.	No ireproofing (Light Gray) rous 55% No ireproofing (Light Gray)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto Other 401-1 401 Analyst Des Asbesto Other 401-2 401 Analyst Des Asbesto	Location: 2nd Flo scription: Gray, Homoger s Types: Material: Cellulose Trace Location: 2nd Flo scription: Gray, Homoger s Types: Material: Cellulose Trace scription: Gray, Homoger s Types: Material: Cellulose Trace	221093700-09 For Front Storage - Spray-On Foreous, Fibrous, Bulk Material e, Fibrous glass 45%, Non-fib 221093700-10 For Front Storage - Spray-On Foreous, Fibrous, Bulk Material	No Fireproofing (Light Gray) Frous 55% No Fireproofing (Light Gray) Frous 50% No	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.1) by Valeriu Voicu

PLM Bulk Asbestos Report

	HGA	Lab No.	Asbestos Present	Total % Asbestos
402-2	2	21093700-12	No	NAD
402	Location: 2nd Floor Front	Storage - Spray-On F	Fireproofing (Dark Gray)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbest	scription: Dark Gray, Homogeneo os Types: Material: Fibrous glass 65%, Nor		terial	
601-1	2	21093700-13	No	NAD
601	Location: 2nd Floor Front		· · ·	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbest	scription: White, Homogeneous, Nos Types: Material: Cellulose Trace, Non-fil		tterial	
601-2	2	21093700-14	No	NAD
601	Location: 2nd Floor Front	Storage - Insulation (White)	(by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbesto Other	scription: White, Homogeneous, Nos Types: Material: Cellulose Trace, Non-fil	brous 100%		NAD
602-1	2	21093700-15	No	
602	Location: Front Entrance S			NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Analyst De Asbesto		Storefront To Concret	re - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu
Analyst De Asbesto Other	Location: Front Entrance S scription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1%	Storefront To Concret	re - Caulk (Black) aterial	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Analyst De Asbesto Other 602-2 602	Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1% Location: Front Entrance Secretary	Storefront To Concret Non-Fibrous, Bulk Ma 21093700-16 Storefront To Concret	re - Caulk (Black) sterial No se - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu
Analyst De Asbeste Other 602-2 602 Analyst De Asbeste	Location: Front Entrance S scription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1%	Storefront To Concret Non-Fibrous, Bulk Ma 21093700-16 Storefront To Concret	re - Caulk (Black) sterial No se - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.6) by Valeriu Voicu
Analyst De Asbest Other 602-2 602 Analyst De Asbest Other	Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1% Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 2.8%	Storefront To Concret Non-Fibrous, Bulk Ma 21093700-16 Storefront To Concret	re - Caulk (Black) sterial No se - Caulk (Black)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.6) by Valeriu Voicu
Asbesto Other 602-2 602 Analyst De Asbesto Other 603-1 603	Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 3.1% Location: Front Entrance Secription: Beige, Homogeneous, Nos Types: Material: Non-fibrous 2.8%	Storefront To Concrete Non-Fibrous, Bulk Marzen Storefront To Concrete Non-Fibrous, Bulk Marzen Storefront To Concrete Concrete To Concrete Storefront To To Concrete Storefr	No se - Caulk (Black) Aterial No se - Caulk (Black) No se - Caulk (Tan)	(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21 NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21

PLM Bulk Asbestos Report

Client No.	/ HGA Lab No.	Asbestos Present	Total % Asbesto
603-2 603	221093700-18 Location: Front Entrance Concrete To Concre	No ete - Caulk (Tan)	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Dark Brown/Black, Homogeneous, Non-Fit tos Types: r Material: Non-fibrous 20.3%	brous, Bulk Material	
700-1 700	221093700-19 Location: Roof - Rolled Roof (Gray)	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Silver/Black, Heterogeneous, Fibrous, Bulk tos Types: r Material: Fibrous glass 2%, Non-fibrous 27.9%	< Material	
700-2 700	221093700-20 Location: Roof - Rolled Roof (Gray)	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Silver/Black, Heterogeneous, Non-Fibrous tos Types: r Material: Fibrous glass Trace, Non-fibrous 17.9%	, Bulk Material	
701-1 701	221093700-21 Location: Roof - Middle Layer Roofing (Black	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Black, Homogeneous, Non-Fibrous, Bulk N tos Types: r Material: Non-fibrous 9.3%	<i>f</i> laterial	
701-2 701	221093700-22 Location : Roof - Middle Layer Roofing (Black	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	escription: Black/White, Heterogeneous, Non-Fibrous tos Types: r Material: Fibrous glass Trace, Non-fibrous 10.7%	, Bulk Material	
702-1 702	221093700-23 Location: Roof - Bottom Layer (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbes	escription: White, Homogeneous, Fibrous, Bulk Mater tos Types: or Material: Fibrous glass 5%, Non-fibrous 95%	ial	311 10/0 1/21

PLM Bulk Asbestos Report

Client No.	/ HGA	Lab No.	Asbestos Present	Total % Asbestos
702-2 702	Location : Roof -	221093700-24 Bottom Layer (White)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 10/01/21
Asbes	Description: White, Homog stos Types: er Material: Fibrous glass	eneous, Fibrous, Bulk Material 3%, Non-fibrous 97%		G.1. 16/6 1/2 1
703-1		221093700-25	No	NAD
703		Repair Tar (Black)		(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	Description: Black, Homogotos Types: Per Material: Non-fibrous 18	eneous, Non-Fibrous, Bulk Ma 3.3%	terial	
703-2		221093700-26	No	NAD
703		Repair Tar (Black)		(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	Description: Black, Homog stos Types: er Material: Non-fibrous 7.	eneous, Non-Fibrous, Bulk Ma 4%	terial	
704-1		221093700-27	No	NAD
704	Location: Roof -	Roof Paint (Silver)		(by NYS ELAP 198.6) by Valeriu Voicu on 10/01/21
Asbes	Description: Silver/Black, F Stos Types: er Material: Non-fibrous 16	leterogeneous, Non-Fibrous, B 3.2%	ulk Material	
704-2		221093700-28	No	NAD
704	Location: Roof -	Roof Paint (Silver)		(by NYS ELAP 198.6) by Valeriu Voicu
				on 10/01/21

AmeriSci Job #: **221093700** Page 6 of 6

Client Name: AMD Environmental Consultants, Inc.

PLM Bulk Asbestos Report

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

Reporting Notes:

Analyzed by: Valeriu Voicu Date: 10/1/2021 Reviewed by: Gabriella Morozov

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229915, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

END	OF REPOR	Τ

21-0928JD-A 25 153 Franklin St

AmeriSci Job #: 221093700

Client Name: AMD Environmental Consultants, Inc.

Table I Summary of Bulk Asbestos Analysis Results

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, Buffalo
ranklin
, 153 F
53 Franklin;
21-0928-JDA; 1

	** Asbestos % by TEM	NA		NA		N		NA		NA		N		NA		NA		N		NA		NA		Ν		A		NA		NAD		NAD	
	** Asbestos % by PLM/DS	NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD		NAD	
Table I of Bulk Asbestos Analysis Results 153 Franklin; 153 Franklin, Buffalo, NY 10013	Insoluble Non-Asbestos Inorganic %			-		-		1		-		-		1				-		1		-				-		-		3.1		2.8	
Table I of Bulk Asbestos Analysis Results 153 Franklin; 153 Franklin, Buffalo, NY 100 [°]	Acid Soluble Inorganic %	1		-		-		1		-		-		1		1		1		1		1		1		1		1		8.99		0.99	
_	Heat Sensitive Organic %	-		-						-																1				30.1		31.2	
Summary 21-0928-JDA;	Sample Weight (gram)	!		-		!	Vhite)	!	Vhite)	-		!				!		-	fing (Light Gray)		fing (Light Gray)	!	fing (Dark Gray)	!	fing (Dark Gray)	1		!		0.263	k (Black)	0.211	k (Black)
	HG Area	101	rywall (White)	101	rywall (White)	101A	oint Compound (V	101A	oint Compound (V	201	hite)	201	hite)	201A	oound (White)	201A	oound (White)	401	oray-On Fireproo	401	oray-On Fireproo	402	oray-On Fireproo	402	oray-On Fireproo	601	sulation (White)	601	sulation (White)	602	Concrete - Caul	602	o Concrete - Caul
	Client Sample#	101-1	Location: 2nd Floor Front Storage - Drywall (White)	101-2	Location: 2nd Floor Front Storage - Drywall (White)	101A-1	2nd Floor Front Storage - Joint Compound (White)	101A-2	Location: 2nd Floor Front Storage - Joint Compound (White)	201-1	Location: Front Vestibule - Drywall (White)	201-2	Location: Front Vestibule - Drywall (White)	201A-1	Location: Front Vestibule - Joint Compound (White)	201A-2	Location: Front Vestibule - Joint Compound (White)	401-1	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Light Gray)	401-2	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Light Gray)	402-1	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Dark Gray)	402-2	Location: 2nd Floor Front Storage - Spray-On Fireproofing (Dark Gray)	601-1	Location: 2nd Floor Front Storage - Insulation (White)	601-2	Location: 2nd Floor Front Storage - Insulation (White)	602-1	Location: Front Entrance Storefront To Concrete - Caulk (Black)	602-2	Location: Front Entrance Storefront To Concrete - Caulk (Black)
21-092	Amerisci V-Sample #	01	Location:	02	Location:	03	Location: 2	04	Location:	05	Location:	90		6	Location:	80	Location:	60	Location:	10	Location:	1	Location:	12		ღ 15		_₹	an Pocation:	٤ kli		_	Location:

See Reporting notes on last page

AmeriSci Job #: 221093700

Client Name: AMD Environmental Consultants, Inc.

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153
ιDΑ;
21-0928-J

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	603-1	603	0.181	47.1	35.8	17.2	NAD	NAD
Location: Fror	Location: Front Entrance Concrete To Concrete - Caulk (Tan)	oncrete - Caul	k (Tan)					
18	603-2	603	0.182	46.5	33.1	20.3	NAD	NAD
Location: Fror	Location: Front Entrance Concrete To Concrete - Caulk (Tan)	oncrete - Caul	k (Tan)					
19	700-1	700	0.323	27.3	42.8	29.9	NAD	NAD
Location: Roo	Location: Roof - Rolled Roof (Gray)							
20	700-2	700	0.285	27.4	54.7	17.9	NAD	NAD
Location: Roo	Location: Roof - Rolled Roof (Gray)							
21	701-1	701	0.176	52.5	38.2	9.3	NAD	NAD
Location: Roo	Location: Roof - Middle Layer Roofing (Black)	Black)						
22	701-2	701	0.185	40.8	48.5	10.7	NAD	NAD
Location: Roo	Location: Roof - Middle Layer Roofing (Black)	Black)						
23	702-1	702	-	-	1	-	NAD	A
Location: Roo	Location: Roof - Bottom Layer (White)							
24	702-2	702	-	1	1	1	NAD	AN
Location: Roo	Location: Roof - Bottom Layer (White)							
25	703-1	703	0.313	68.4	13.3	18.3	NAD	NAD
Location: Roo	Location: Roof - Repair Tar (Black)							
26	703-2	703	0.308	80.3	12.4	7.4	NAD	NAD
Location: Roo	Location: Roof - Repair Tar (Black)							
27	704-1	704	0.341	71.3	12.5	16.2	NAD	NAD
Location: Roo	Location: Roof - Roof Paint (Silver)							
28	704-2	704	0.224	0.99	24.6	9.4	NAD	NAD
Location: Roo	Location: Roof - Roof Paint (Silver)							

AmeriSci Job #: 221093700

Client Name: AMD Environmental Consultants, Inc.

Table I

Summary of Bulk Asbestos Analysis Results

21-0928-JDA; 153 Franklin; 153 Franklin, Buffalo, NY 10013

** Asbestos % by PLM/DS Non-Asbestos Inorganic % Insoluble Inorganic % Acid Soluble Sensitive Organic % Sample Weight (gram) HG Area

Client Sample#

AmeriSci Sample #

21-0928JD-A

** Asbestos % by

Analyzed by: Gabriella Morozov Date: 10/2/2021

Reviewed by: Gabriella Morozov

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; UNSDON ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected Turing a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning Dermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning Dermiculite; Quantitative only; Qualitative analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Dermiculite; Quantitative only; Qualitative only; Qualitative analysis: NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-purple of the fine grained debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: AMD Environmental Consultants (4689)

Address: 72 E. Niagara Street

Suite 100

Tonawanda, NY 14150

Attn:

Project: 153 Franklin

Location: 153 Franklin Buffalo, NY 10013

LNumber: 21-0928JDA

Order #: 441142

Matrix Bulk Received 09/29/21

Reported 10/06/21

PO Number:

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
441142-001	P-602						
Semi-vola	tile Organic Compound	ls					
Aroclor - 10	16	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 122	21	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 123	32	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 124	42	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 124	48	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 125	54	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 126	60	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 126	62	SW846 8082A	<469	469	μg/kg	10/05/21	AE
Aroclor - 126	68	SW846 8082A	<469	469	μg/kg	10/05/21	AE
441142-002	P-603						
Semi-vola	tile Organic Compound	ls					
Aroclor - 10	16	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 122	21	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 123	32	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 124	42	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 124	48	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 12	54	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 126	60	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 126	62	SW846 8082A	<469	468	μg/kg	10/05/21	AE
Aroclor - 126	68	SW846 8082A	<469	468	μg/kg	10/05/21	AE
MS failed d	ue to possible matrix inter	rference.					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = $\mu g/kg$ and Water PPM = mg/L | PPB = $\mu g/L$. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: AMD Environmental Consultants (4689)

Address: 72 E. Niagara Street

Suite 100

Tonawanda, NY 14150

Attn:

Project: 153 Franklin

Location: 153 Franklin Buffalo, NY 10013

LNumber: 21-0928JDA

PO Number:

Order #:

Matrix

Received

Reported

Sample ID Cust. Sample ID Location

Parameter Method Result RL* Units Analysis Date Analyst

441142-10/06/21 10:30 AM

Kelly Munny

441142

Bulk

09/29/21

10/06/21

Reviewed By: **Kelly Muncy**Manager

Surrogate Recoveries

441142-001 - PCB

DCB 91% TCMX MI

441142-002 - PCB

DCB 85% TCMX MI

State Certifications

Method	Parameter	New York	Virginia	
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified	_
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified	
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified	

State	Certificate Number
New York	ELAP 63558
Virginia	VELAP 11259

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = $\mu g/kg$ and Water PPM = mg/L | PPB = $\mu g/L$. The test results apply to the sample as received.



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

5.1 Analytical Key Terms and Definitions

PLM: Polarized Light Microscopy; type of analysis

TEM: Transmission Electron Microscopy; secondary analysis if applicable

NOB: Non-Friable Organically Bound; materials analyzed by PLM or TEM

NAD: No asbestos detected

NA: Not applicable

PS: Positive Stop

Trace: Less than 1% asbestos (Non ACM)

ACM: Asbestos Containing Material



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

6.0 Sample Chain(s) of Custody

Dolinguie	Polinguished By: Eric Miller		Date/Time: 9/28/2021			Rull Chain	Bull, Chain of Custody
sinhiiieu	iled by. Enc miller		Date IIIIe. Storoza	(78)	\	Dulk Chall	i oi custouy
Received By:	By:	\bigcap	Date/Time:		AMERI SCI		AMERISCI NEW YORK 117 East 30° Street New York, NY 10016
Received By:	By:		Date/Time:		www.amensoccom		Toll Free (800) 705-5227 Phone (212) 679-8600 Fax (212) 679-9392
Company	company: AMD Environmental	onmental		Project: 153 Franklin		AMERISCI #:	
Street Ad	Street Address: 72 E Niaga	E Niagara Street, Suite 100		Proj Mgr: Eric Miller	iller	Proj #: 21-0928-JDA	
city: Buffalo		State: NY Zip: 1	Zip: 14150	Proj Address: 1	Proj Address: 153 Franklin, Buffalo, NY 10013		
Phone: 7	Phone: 716-833-0043	Cell: Fax Results? Y	s? Y Fax #:	Analysis: PLM; ASTM Dust (Micr	(Positive Stop:)	TEM; (NY ELAP PLM/TEM w/ NOB Prep. Qualitative; Other (describe in comments))B Prep. ments)
Email Res	Email Results? Y ✓ Email:	Email: to all parties listed below	elow	Turnaround Time: 5 Day	e: 5 Day Material Type:	Type: (Bulk) Dust Water	
Results to	o: jwolf@amden\	Results to: jwolf@amdenv.com, anthony@amdenv.com,	denv.com,	Sampled By: Eri	Sampled By: Eric Miller, John Doucette	Date Sampled: 9/28/2021	9/28/2021
Special Ir admin	Special Instructions or Comments: admin@amdenv.com.	1	dbatt@amdenv.com, john.d	ohn.doucette@amdenv.com	ndenv.com	#221093	3700
Lab ID	Field ID)	Location)	Sample Description (dust area)		Homogenous Area
	101-1		2ND FLOOR - FRONT STORAGE	3E	DR	DRYWALL - WHITE	
	101A-1						
	101A-2		2ND FLOOR - FRONT STORAGE	GE	JOINT	JOINT COMPOUND - WHITE	
	201-1		EDONIT VIECTIBILLE		2	VANZAT T VALUE	
	201-2		FRONI VESTIBULE		DIS	DRIWALL - WHILE	
	201A-1		EDONT VECTIBILE		TNIOI	IONT COMBOUND - WHITE	
	201A-2		TACAL VESTIBOLE		THOS	THIN - AND HAID	
	401-1	,	2ND FLOOR - FRONT STORAGE	TF.	SPRAY ON FIR	SPRAY ON FIRE PROOFING - LIGHT GREY	
	401-2						
	402-1	1	2ND FLOOR - FRONT STORAGE	TF.	SPRAY ON FIR	SPRAY ON FIRE PROOFING - DARK GREY	
	402-2						
	601-1		2ND FLOOR - FRONT STORAGE	Ή	ISNI	NSIII ATION - WHITE	
	601-2						
	602-1	FRONTE	FRONT ENTRANCE - STOREFRONT TO CONCRETE	CONCRETE		CAULK - BLACK	
	602-2						
	603-1	FRONT	FRONT ENTRANCE - CONCRETE TO CONCRETE	CONCRETE		CAULK - TAN	
	603-2						
	2007		ROOF		KOL	ROLLED ROOF - GREY	
	701-1		rood		ו ווממוויא	AND POOPERIOR DIAGON	
	701-2		KOOF		MIDDLE L.	MIDDLE LATER ROOFING - BLACK	
	702-1		BOOF		TOTAL	BOTTOM I A VEB - WHITE	
	702-2		JOON				
	703-1	ı	ROOF		REP	REPAIR TAR - BLACK	- 0
	703-2						
	704-1		ROOF		ROC	ROOF PAINT - SILVER	
	704-2						

SLG

SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475 www.slabinc.com e-mail: info@slabinc.com 441142

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Appendix A: XRF Performance Characteristic Sheet (PCS)

Performance Characteristic Sheet

EFFECTIVE DATE:

September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make:

Niton LLC

Tested Model: XLp 300

Source:

¹⁰⁹Cd

Note:

This PCS is also applicable to the equivalent model variations indicated

below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and

XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A. XLp 300A, XLp 301A, XLp 302A and XLp 303A. XLi 700A, XLi 701A, XLi 702A and XLi 703A. XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for: Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm²)
Results not corrected for substrate bias on any	Brick	1.0
substrate	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

	Testing Times Using K+L Reading Mode (Seconds)									
		All Data		Median for lab	ooratory-measur (mg/cm²)	ed lead levels				
Substrate	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 <u><</u> Pb				
Wood Drywall	4	11	19	11	15	11				
Metal	4	12	18	9	12	14				
Brick Concrete Plaster	8	16	22	15	18	16				

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



AMD Environmental Consultants, Inc. 72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

Appendix B: Firm Certifications and Personnel Licenses

21-0928JD-A 39 153 Franklin St



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716-833-0043 Fax: 716-241-8689 www.amdenvironmental.com

New York State - Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

AMD Environmental Consultants, Inc. Suite 100 72 E. Niagara Street

Tonawanda, NY 14150

FILE NUMBER: 10-56177 LICENSE NUMBER: 56177 LICENSE CLASS: RESTRICTED DATE OF ISSUE: 11/19/2020 EXPIRATION DATE: 11/30/2021

Duly Authorized Representative - Anthony DeMiglio:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

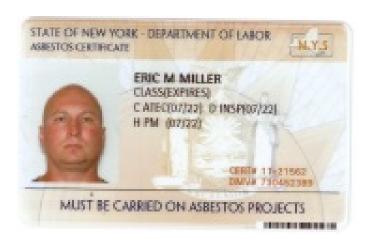
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

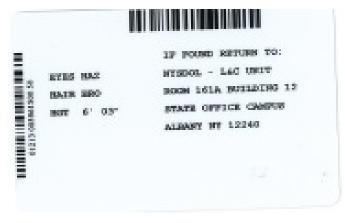
SH 432 (8/12)

Amy Phillips, Director For the Commissioner of Labor



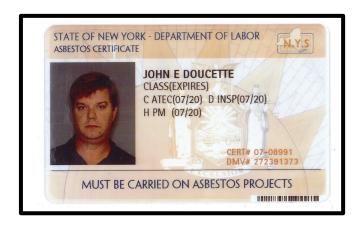
72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716-833-0043 Fax: 716-241-8689 www.amdenvironmental.com

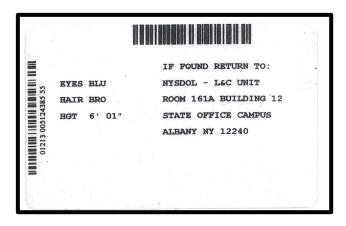






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www.amdenvironmental.com

United States Environmental Protection Agency This is to certify that

AMD Environmental Consultants, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires

December 25, 2022

LBP-83285-2

Certification #

October 29, 2019

Issued On

THED STATES TO A S

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



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United States Environmental Protection Agency

This is to certify that



John E Doucette

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 14, 2024

LBP-R-16234-2

Certification #

April 27, 2021

Issued On



Ben Conetta, Chief

Chemicals and Multimedia Programs Branch



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All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories This certification is valid from the date of issuance and expires LBP-R-118039-1 Certification W September 18, 2017 Issued On



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Appendix C: Laboratory Certifications



72 E Niagara St Suite 100 Tonawanda, NY 14150 Office: 716 833-0043 Fax: 716 241-8689 www.amdenvironmental.com

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2021 Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT A. THEYS ACCURATE ANALYTICAL TESTING, LLC 30105-BEVERLY RD. ROMULUS, MI 48174 NY Lab Id No: 11864

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total

Miscellaneous

Lead in Dust Wipes Lead in Paint

Sample Preparation Methods

EPA 7000B

EPA 7000B EPA 7000B

YORK

AAT SOP S235
AAT SOP S207, rev. S
AAT SOP S228, rev. A
EPA 3050B

ASTM E-1644-17

Department

Serial No.: 61589

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

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www.amdenvironmental.com

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2021 Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. THOMAS R. MCKEE AMERISCI RICHMOND 13635 GENITO RD MIDLOTHIAN, VA 23112 NY Lab Id No: 10984

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Asbestos-Vermiculite-Containing Material Item 198.8 of Manual

Serial No.: 61267

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

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