SFS & HENDERSON ACCRUENT PARTNERSHIP

Jackson County Downtown Courthouse Facility Condition Assessment

Final Report // August 10, 2021

2100 Central Street, Suite 31
Kansas City, MO 64108

T. 816.474.1397
F. 816.421.8024

sfsarch.com

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Project Team

Owner

Jackson County
415 E 12th Street
Kansas City, MO 64106

Architect-of-Record

SFS Architecture
2100 Central Street
Kansas City Missouri 64108

Civil

Taliaferro & Browne, Inc.
1020 E. 8th Street
Kansas City, Missouri 64106

Structural Engineer

Bob D. Campbell & Co.
4338 Belleview Ave.
Kansas City, MO 64111

MEPFT/Security/Code

Henderson Engineers /
Henderson Building Solutions
8345 Lenexa Drive, Suite 210
Lenexa, KS 66214

Database Software

Gordian Building Knowledge
(formerly Accruent)
99 Bedford Street
Boston, MA 02111



Drone Survey

BHC
712 State Avenue
Kansas City, KS 66101



Environmental

Terracon
15620 West 113th Street
Lenexa, KS 66219

Section 1 Project Overview

Executive Summary

The Jackson County, Missouri Downtown Courthouse is the county's flagship facility housing the county's judicial and administrative offices. Designed by the prominent Kansas City firm of Wight and Wight, the building's construction was completed in 1934 and contains approximately 360,000 gross square feet on twenty-five floors, including mezzanine levels. Although the building is not listed on the Kansas City or National Register of Historic Places, the building is associated with Harry S. Truman and is a significant Art Deco structure that retains a considerable amount of historically significant spaces and features that define the historic character of the building and should be preserved for future generations of Jackson County residents.

The county desired to conduct a comprehensive facility condition assessment of the Jackson County, Missouri Downtown Courthouse to document deferred maintenance that could result in disruptions to day-to-day operations. The information gathered was built into a computer maintenance management system (CMMS) software which will allow the county to manage a wealth of information, capital planning budgeting, and the ability to effectively manage and maintain the courthouse.

The goal of this report is to establish a long-term strategy for the care of the courthouse so that as it ages, and as various repair and alteration projects are implemented, the building is brought up to modern court and code standards while respecting and retaining its significant historic elements, spaces, and features. This report provides high-level recommendations for the building's repair. It does not provide specific programming or design recommendations. It is be reviewed in tandem with the Space Needs Assessment, which addresses the re-stacking and programming requirements, to form a holistic understanding of the building's needs.

Overview of Findings and Recommendations

A team of architects, interior designers, civil, structural, mechanical, electrical, plumbing and fire protection engineers, and code, security and environmental consultants surveyed and assessed the building's existing systems (materials, equipment, and code and ADA deficiencies). Per the requirements of the RFP, an industry standard scoring system (the Facility Condition Index), was utilized to provide a measure of relative condition of the building. The resulting data identified and estimated deferred maintenance requirements totalling $34,055,921, overall building requirements totalling $77,372,147, and a total replacement value of $164,020,550. It should be noted that these values include materials, labor, and equipment costs for the replacement of the current systems in their current location (in-kind replacement).[1] These values do NOT include infrastructure redesign, construction phasing, construction within an occupied building, re-stacking and tenant improvements to bring the building up to current court and code standards, or soft costs such as design fees, permit fees, furniture, equipment and moving costs. Furthermore, the replacement value does not take into consideration that the building was

[1] Replacement value, FCI and RI costs are in 2021 dollars and include the following assumptions: 10% general conditions; 10% overhead and profit; 20% design contingency; 15% construction contingency; and escalation to a 2025 mid-point of construction = a 2.0 multiplying factor of the value of the systems requirements in VFA.Facility.

constructed between 1933 and 1934 and could not be replicated using current construction methodologies and under current code and OSHA requirements.

Summarizing the condition findings, the present condition of the building is poor as represented by the FCI of 0.21, and the RI of 0.47. The FCI is the ratio between the cost of deferred maintenance and repair requirements (items that are currently past due or due within the next two years), and the replacement value of the building:[2]

$$\text{Facility Condition Index} = \frac{\text{Current Deferred Maintenance Requirements Cost}}{\text{Current Replacement Value}}$$

The requirements index (RI) measures all requirements of a building, including deferred maintenance requirements as well as any short or long-term capital improvements and grandfathered code issues that are not included in the FCI.

$$\text{Requirements Index} = \frac{\text{All Requirements Cost}}{\text{Current Replacement Value}}$$

Replacement Value	***Requirement Cost Facility Condition Index (FCI)***	***Requirement Cost Requirements Index (RI)***
$164,020,550	$34,055,921 FCI (Deferred Maintenance Requirements) = 0.21	$77,372,147 RI (All Requirements) = 0.47

When viewing the condition of the building on a system by system basis; however, many of the building's original historic systems are in excellent condition. The site is in excellent condition with the majority of the civil requirements falling within the Priority 3 category, with the most critical requirement being the repair of the north steps and landing. The structural system is also in excellent condition with the majority of the structural requirements falling within the Priority 3 and 4 categories. The architectural systems are in good condition, with the historic finishes and features showing typical wear for a building of this age and falling within the Priority 5 category.

The mechanical, electrical, plumbing and fire protection (MEP/FP) systems; however, are in poor condition and should be addressed immediately. The building's means of egress is non-code-compliant, many of the air-handling units are non-code compliant, much of the electrical system is original, overloaded and non-code-compliant, the chilled water piping has reached its end of service life, and much of the building is not sprinklered. The majority of the MEP/FP systems require full replacement and fall within the Priority 1 category.

[2] A building with an FCI rating of 0.00 to 0.05 FCI is in excellent condition, while a building or system with an FCI rating of 0.05 to 0.15 is in good condition. A building or system with an FCI rating greater than 0.15 is in poor condition.

System	FCI Rating	Prime Priority Rating
Site	0.00	3
Structural	0.00	3-4
Architectural	0.08	5
Mechanical, Electrical, Plumbing	0.63	1
Fire Protection, Fire Alarm	1.09	1

Priority Ratings:
Priority 1 – Currently critical - requiring immediate action.
Priority 2 – Potentially critical – if not corrected soon, will become critical.
Priority 3 – Necessary but not critical requiring appropriate attention to preclude deterioration.
Priority 4 – Recommended.
Priority 5 – Appearance.
Priority 6 – Does not meet current codes/standards (grandfathered).

Phasing Recommendations

Although the RFP required the team to provide capital renewal recommendations, it became apparent to the County and assessment team that the building required a more holistic approach due to the great amount of needed investment. Therefore, an overall building renovation plan was developed to address the building's system requirements as well as the programming and re-stacking needs outlined in the Space Needs Assessment. Once the overall building renovation is realized, the CMMS software will allow the County to manage and maintain the building. Section 4 of this report recommends the following project phases, with Phase I and portions of Phase II being recommended for immediate implementation.

Phase I - Install new MEP/FP base equipment and vertical infrastructure to include the following:

- Demolition and environmental abatement.
- Repair of structure as required for new work.
- Fire-rated enclosure of fire pump room in basement and boiler room at fifteenth floor.
- Architectural finishes and rated partition walls to support installation of MEPFT.
- Cooling towers.
- Generator.
- Chilled water plant.
- Chilled water vertical piping with tees to AHU floors.
- Hot water plant / domestic hot water plant.
- Hot water vertical piping w/ tees.
- Domestic cold water, domestic hot water mains + tees. New sanitary mains in common riser.
- Electrical vertical busduct infrastructure.
- Fire sprinkler main in east stair.

Phase II - Repair and alter the building interior using a multi-phase approach working from the top down. Restore the areas of the exterior envelope associated with the interior phases to include the following:

- Demolition and environmental abatement.
- Repair of structure as required for new work.
- Repair of existing architectural finishes and features.
- Alteration of space to accommodate building re-stacking.
- Address code deficiencies.

- Historically sensitive / restored LED light fixtures and standardized LED light fixtures, and low-voltage distributed control systems with occupancy sensors.
- Zone level mechanical (updated diffusers, medium and low pressure VAV ductwork, heating hot water piping to new VAV boxes, DDC controls).
- Overhead sprinkler system.
- Voice fire alarm system.
- Technology – racks to jacks, new boxes, new infrastructure.
- Audio/visual.
- Intercom.
- Security systems.
- Branch circuiting and electrical devices.
- Updated plumbing fixtures, wet wall domestic cold water and hot water in chase plumbing and tie-ins to sanitary mains.
- Roof replacement and restoration of exterior materials such as masonry, windows, grilles and louvers.

Phase III - Repair and alter the site infrastructure.

Cost Estimate and Schedule

The following cost estimate is organized by the recommended phases. The cost estimate reflects demolition costs including environmental abatement, system replacement costs from VFA Facility, and square footage costs for tenant improvement based on light, medium and heavy construction zones. The cost estimate also includes the following increases. Reference Section 4 for further break out of costs.

10% - General Conditions
10% - General Contractor Overhead & Profit
20% - Design Contingency
15% - Construction Contingency
5-6% - Escalation to Mid-Point of Construction
20% - Soft Costs (FFE, Moving Fees, Design Fees)

Years 2022-2024 (3 Years)

Phase I – MEPFT Infrastructure (Vertical)	$78,564.528
Phase IIA – (Tenth Floor – Fifteenth floor)	$40,861,729
Sub-Total	**$129,426,257**

Years 2026-2029 (4 Years)

Phase IIB – (Sixth Floor – Ninth Floor)	**$42,282,549**
Phase IIC – (Second Floor - Fifth Floor Mezz)	**$50,924,829**
Phase IID – (Basement – First Floor Mezz)	**$31,086,037**

Year 2030 (1 Year)

Phase III – Site	**$1,714,175**
TOTAL	**$255,433,847**



Image 1 – North elevation of the Johnson County Downtown Courthouse looking southeast (2020).

Building Description

The building is defined by its stair-stepped tripartite configuration which implies the functions housed within. The basement through third floors create the base of the building. These floors house the county functions and are the largest in floor plate with approximately 22,000 net square feet per floor. The fourth through tenth floors house the court functions and have a smaller floor plate with approximately 13,000 net square feet per floor. The eleventh through fourteenth floors are defined by clipped corners. These floors orignally housed the jail and have approximately 12,000 net square feet per floor. The jail was abandoned in the early 1980s and the spaces remain unused. The fifteenth floor, which is the upper-most floor, further steps in in plan and features no windows implying its utilitarian function as storage and mechanical space.

The building floor plan features a central core with a six-bank elevator lobby at the central south side of the core and an east/west running main corridor with enclosed staircases at either end. The building has two public entrance lobbies with the main lobby off of 12th Street on the first floor and a secondary lobby

off of Oak Street on the ground floor. The lobbies and main corridors feature ornamental painted plasterwork ceilings and column caps, marble wainscot, and marble, terrazzo and patterned rubber tile flooring. An open ornamental staircase runs the height of the court levels from the fourth through tenth floors.

The exterior facades feature granite and limestone cladding, steel windows, decorative bronze and aluminum grillwork, and aluminum doors. The interior of the building features a variety of historic and contemporary finishes, with the predominant historic finishes comprised of marble, terrazzo and patterned rubber tile flooring, flat and ornamental plasterwork, marble wainscot, stained wood base and casings, and stained wood paneled doors.

The building heating is provided by its original steamed heating system with perimeter radiators. The building's cooling and ventilation is provided by over fifty air-handling units located throughout the building, most of which were installed in 2006. New switchgear has been installed in the basement and fifteenth floor floors, however, the remainder of the electrical system is mostly original to the building. The plumbing system is also original to the building. The eleventh floor and portions of the basement and ground floors are sprinklered, however, the remainder of the building is not sprinklered.



Image 2 – Decorative bronze grills in west vestibule.

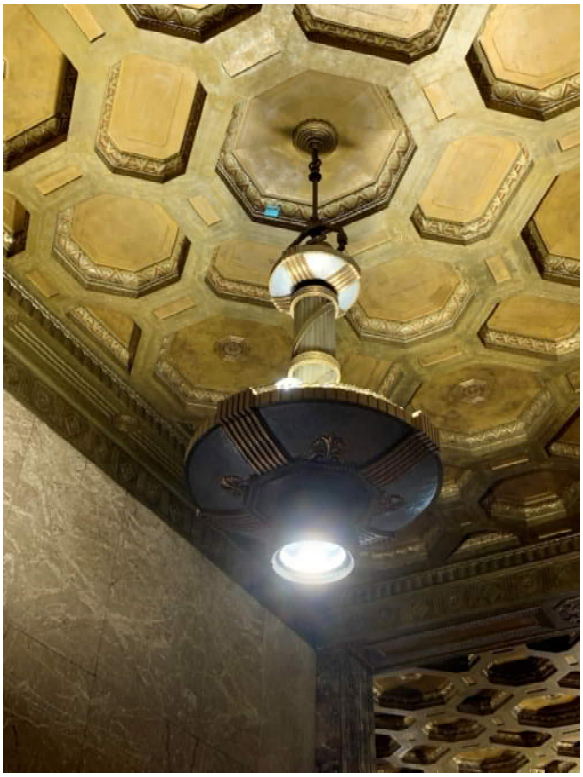


Image 3 – Original bronze light fixture and ornamental plasterwork in the first-floor main lobby



Image 4 – North elevation of the Jackson County Downtown Courthouse looking southeast (2020).

Project Approach

The project approach involved close coordination and collaboration with Jackson County to ensure the results provided consistent long-term maintenance data that can be utilized for the efficient operation of the building. The team utilized best in class methods and recognized industry standards for facility condition assessments (FCA). The project team was comprised of experienced licensed architects, engineers, and codes and hazardous materials consultants. The team was developed to not only meet the requirements specified in the RFP but to build a database that is scalable, repeatable, and credible. The emphasis was on ensuring that the process was designed to meet the short and long-term goals of the County in providing a sustainable, well managed facility for years to come.

Part of the team's collaborative approach included touch points along the way. The team met with County representatives to keep the County informed of general findings during the survey phase and to review preliminary recommendations during the assessment and recommendations phases. During these meetings, the team reviewed deficiencies, issues with codes and accessibility standards, and long-term system adjustments, performance, and energy savings opportunities. The project team also held a project team charrette to work towards the project phasing solutions from a holistic, big picture perspective. Significant project meetings included the following:

- Kickoff Meeting – December 10, 2020 – Attendees: Public Works, Project Team
- Room Numbering Meeting – December 29, 2020 – Attendees: Public Works, Project Team
- VFA Auditor Training – Group 1 – Week of January 4, 2021 – Attendees: Henderson Team
- VFA Auditor Training – Group 2 – Week of January 11, 2021 – Attendees: Remainder of Project Team
- Survey and Assessment Recap Meeting – April 15, 2021 – Attendees: Public Works, Project Team
- VFA Facility Training – May 14, 2021 – Attendees: Public Works, Project Team
- Project Team FCA Charrette – May 17, 2021 – Attendees: Project Team
- Draft Recommendations Review Meeting – May 27, 2021 – Attendees: County Executive Team, Public Works Director, Project Team
- Draft Report Review Meeting / FCA Charrette – June 9, 2021 – Attendees: Public Works Project Team
- Jackson County Legislature Presentation/s – TBD – Attendees: County Legislature, Public Works, Project Team

Project Kickoff and Survey Preparation

A kickoff meeting was held with County representatives and the SFS design team. During the kickoff meeting, introductions were made, County and SFS team member roles and responsibilities were defined, lines of communication were established, the schedule was reviewed, and the scope of work was confirmed.

The SFS team reviewed existing documents made available to the team to gain an understanding of the historical evolution of the building. Documents reviewed included historic drawings, historic photographs, construction documents of past building renovations, maintenance records, previous master planning reports, and current warranty information. Current facility concerns and maintenance methods were also reviewed with public works personnel.

Prior to documenting the building's existing conditions, the project team measured the building to develop **as-built floor plans** in AutoCAD Revit (see Appendix B). The team utilized the historic 1933 drawings to develop base plans which were used to overlay room-by-room as-built dimensions from field survey. The floors were organized by quadrants, starting with the northeast corner of the building, and working clockwise around the plan. A room numbering system was developed with the Public Works staff. This system was utilized by all consultants in documenting building systems in the VFA Facility database.

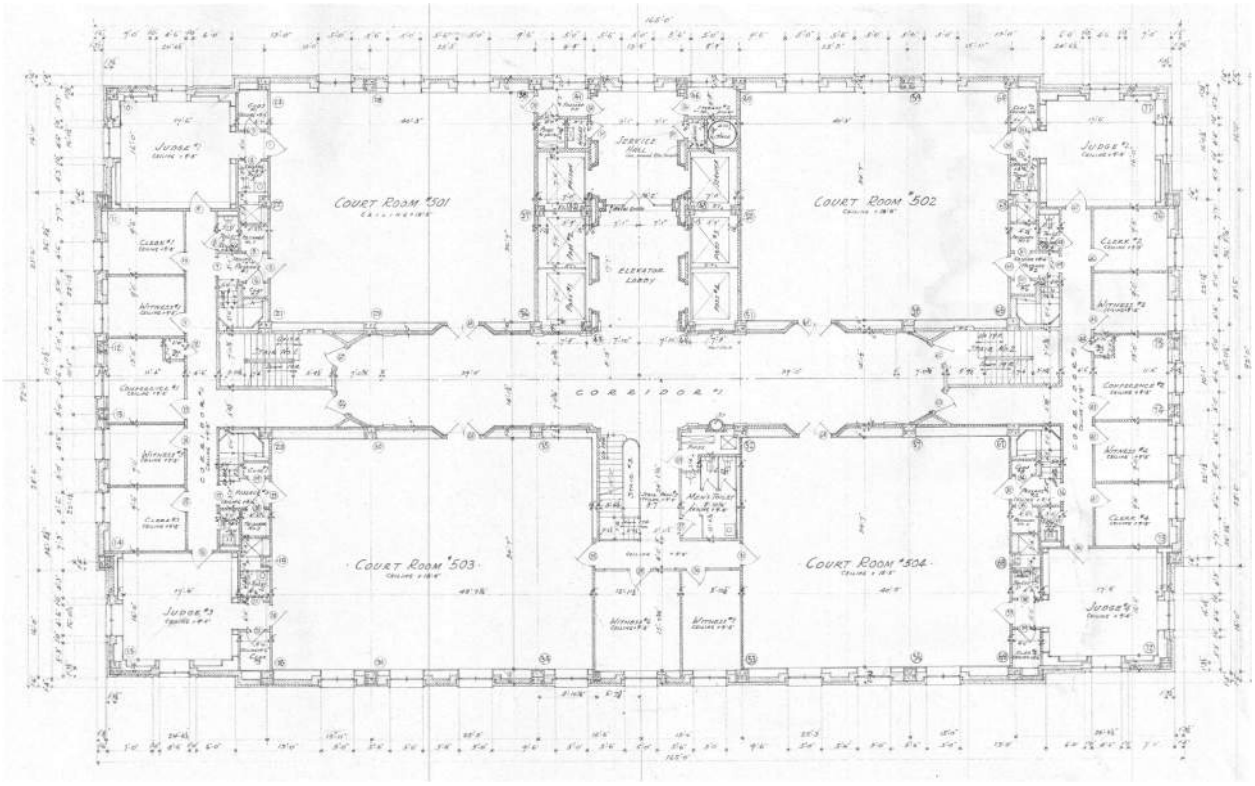


Image 5 – Fifth Floor Plan (1933 Construction Documents by Keene & Simpson, Wight & Wight, and Frederick C. Gunn & Co. - Architects)

In conjunction with as-built floor plan documentation, the project team performed a reconnaissance level survey of the building. This survey provided the team with a high-level understanding of the building materials and systems and their general arrangement and deficiencies. The information collected during this phase was used to create the database structure.

Each survey team member participated in eight (8) hours of online VFA Auditor software training in January to prepare for field survey. The training sessions were broken up into two groups. The agenda

included an introduction to VFA Facility and VFA Auditor, an understanding of the Asset Database, assigning surveys, completing surveys, a sample survey, organizing and reviewing collected data, completing a survey, survey review and approval, and modifying data in VFA Facility. An additional two hours of administrator training was also conducted.

BHC Rhodes conducted the **drone photography** of the building facades utilizing a Hasselblad L1D-20c drone-mounted camera with 20 MegaPixel and 1" CMOS Sensor. Overall 'fly-arounds' of the building at 50', 150', 250' and 350' above grade and at the roof level were performed to provide a general index of conditions. Up-close conditions were also photographed, which showed more detailed conditions. Two swaths consisting of a single structural bay were photographed of each façade at a corner bay and an internal window bay. The up-close photographs were taken between ten and twenty feet away from the facade at each level. All images have been uploaded to the project Sharefile site.

Taliaferro and Brown conducted a **video inspection of the underground site storm and sewer piping**. The inspection did not include an inspection of the building internal plumbing pipes. Refer to the Hydro Physics Pipe Inspection report in Appendix E.

Survey, Assessment and Recommendations

There are three primary steps in conducting a facility conditions assessment – (1) the **survey** (data collection); (2) the **assessment** of the data; and (3) the **recommendations**. For a building of this significance, it is important to not only collect and input data into a database but to also take a holistic approach in assessing the data and preparing recommendations that are sensitive to the historic building and meets the needs of its stakeholders. While each system was surveyed and categorized, the SFS team took a comprehensive approach in preparing the project phasing plans.

Survey

The visual inspection of the facility was performed by the trained architects; civil, structural, plumbing, mechanical, fire protection, and electrical engineers; security designers; and codes and environmental consultants. A **code analysis** was prepared (reference Appendix A). An **environmental assessment** was also prepared (reference Appendix F). An existing conditions survey was performed of the structure, shell, interior finishes, plumbing, HVAC, fire protection, electrical and physical security systems, and the sitework. These systems were documented in ASTM Uniformat II Classification for Building Systems format and input into the database. This report describes the existing conditions and recommendations of each system in the same manner.

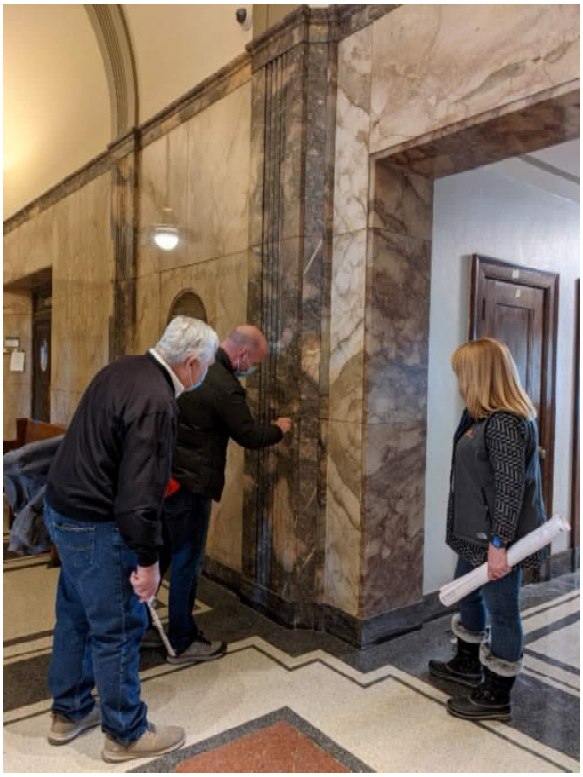


Image 6 – Marble survey (2020).

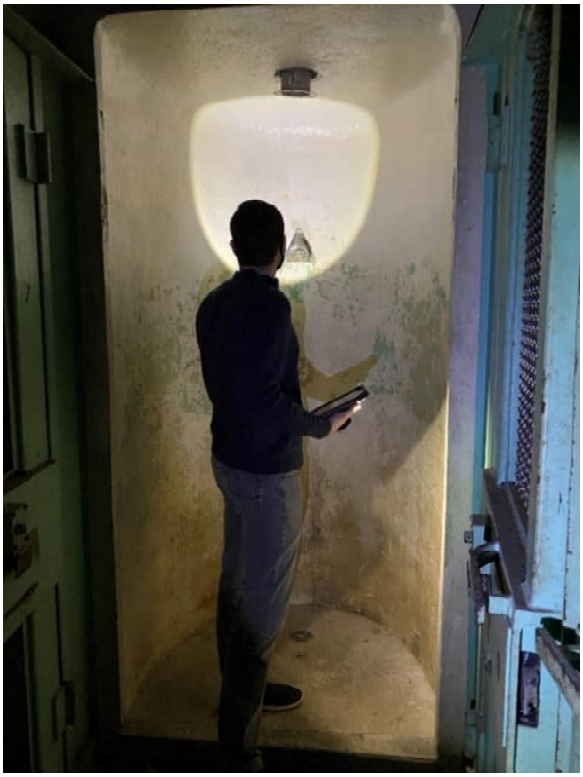


Image 7 – Survey of the jail floors. There were no volunteers to survey these floors solo (2020).

The following data was collected and input into the database for each asset and component as part of the survey phase (reference Appendix C for sample data collection forms, data formatting standards and key assessment terminology):

- Asset and components (categorized in ASTM Uniformat II)
- Conditions and corrective actions
- Condition rating score (rated poor to excellent)

  Excellent: Recently put into service.

  Good: Functioning for its intended purpose but showing some wear.

  Fair: Functioning for its intended purpose but showing wear; will not function properly if not replaced within five (5) years.

  Poor: Not functioning for its intended purpose. Condition requires replacement within one (1) year of survey.

- Prioritization (rated 1-6)

  Priority 1: Currently critical requiring immediate action (safety hazard, stop accelerated deterioration, return element to operation).

  Priority 2: Potentially critical if not corrected soon, will become critical (intermittent operations, rapid deterioration, potential life safety hazard).

Priority 3: Necessary but not critical that requires appropriate attention to preclude deterioration.

Priority 4: Recommended

Priority 5: Appearance

Priority 6: Does not meet current codes/standards (grandfathered).

- Typical useful life rating scores (rated 1-5)

  Category 1: Security

  Category 2: Scheduled maintenance

  Category 3: Deferred maintenance

  Category 4: Capital renewal

  Category 5: Energy and sustainability

- Other pertinent information, such as historical significance.

For the **structural survey**, the engineers reviewed existing documents to familiarize themselves with the existing structure of the courthouse. The engineers then performed a review of the structure to observe and note the conditions of the existing structure were exposed and accessible.

For the **shell survey**, the stone and brick cladding, metal windows and doors, roof coverings and openings were surveyed. The facades were surveyed via the drone photography. Conditions and quantities were documented in VFA Auditor. The structural engineer collaborated with the architect to review potential sub-structure issues.

Since the windows and doors were restored in 2007, they were visually observed for general deterioration such as cracked or missing glass and frame finish discoloration.

The roofing membrane and flashings were surveyed from the roof level where safely accessible. No tie off access points were available. The overall roof was surveyed for water runoff. The membrane was surveyed for punctures, blistering, and detachment. Flashings were surveyed for sealant condition, voids, punctures, and open laps. There are no roof openings, as all access is gained by the roof fifteenth floors, an access door on 3M, and windows.

For the **interior finishes survey**, the walls, interior doors and hardware, fittings such as built-in casework and railings, and wall, floor and ceiling finishes were surveyed. A system-by-system survey for each quadrant of each floor was performed, and conditions were documented via mobile devices.

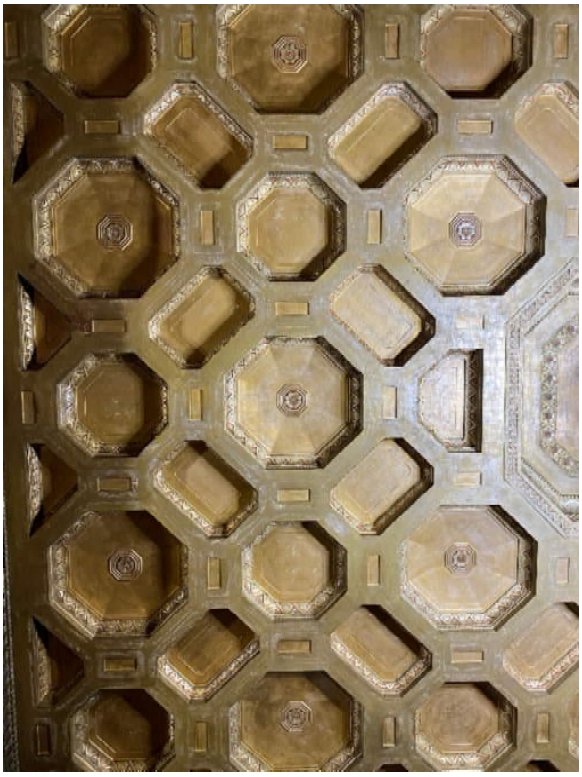


Image 8 – Ornamental plasterwork in main lobby.

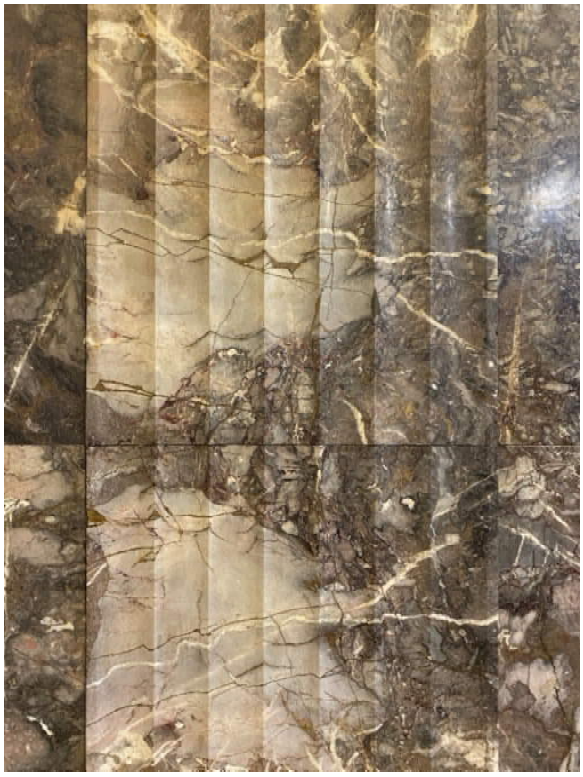


Image 9 – Marble-clad columns in main lobby.

The following assumptions and exclusions were made for the interior architectural survey:

1. Utilized existing drawings to determine “year installed”. Otherwise, the surveyor used their best judgement based on condition and style.
2. C3020 – Carpeting – Tile: System description includes rubber base.
3. For quantities, rounded up or down to the nearest foot.
4. For historic doors and frames with new door or frame, utilized historic door and frame system and made note of what component is new.
5. Set “Life Time” for all historic systems to 150 years.
6. Used wood door and hollow-metal frame system for wood door and wood frame systems.

The courthouse exhibits many significant historic interior finishes including several types of marble, metalwork, woodwork, plasterwork (both flat and molded), and rubber tile and linoleum flooring. Not only were the conditions of each material surveyed, but the types and styles were documented.

For the **MEPF and security systems survey**, the engineers visually reviewed and assessed the overall conditions and components of centralized and distributed MEPF, and security infrastructure within the facility. No seasonal testing of equipment was performed.

The engineers provided an **energy audit** of the existing building infrastructure by looking at the utility bills and existing operations of the building. They examined plans and operating costs, control trends and

schedules. They also reviewed the County's maintenance protocol and repair plans and existing list of work orders and issues. This provided a complete picture of not only the building's equipment, but also how it is performing. The audit highlighted target areas and short falls for further study, improvement opportunities for operational cost savings, and long-term life cycle of various components of the MEPF infrastructure. Refer to the audit in Appendix D.

The engineers also reviewed the facility's security plans, procedures, access control, video surveillance, and intrusion detection system components and strategies.

The **VFA Facility database** interfaces with all supporting notes, files, and photos developed during the survey. The County owns the database and has been trained by Accruent.

Assessment

Each system was assessed and rated according to prioritization categories and typical useful life during the survey phase and database entry. There are many factors that will impact the improvement of each system beyond each system's priority and useful life rating. Potential space use re-configurations, significant spaces and features that are desired to be retained and restored will impact the improvement of each system.

Costs were associated to each building system requiring investment using RS Means for the current period and regional factors for the project area. Each system was identified by recommended renewal or replacement year and included all material, labor and equipment costs. Soft costs were applied in the project planning reporting. The condition, prioritization, and useful life ratings for the building systems results in an overall Facility Condition Index (FCI) for the facility.

Recommendations

During the survey phase, the team became aware of the availability of a single-source funding mechanism making it possible to address the building from a single-phased planning approach. Recommendations were made in the form of project phasing plans in lieu of delivery periods based on prioritization and typical useful life. As such, cost efficiencies can be maximized.

Consideration was given to maximizing performance, extending system life cycles, and minimizing operating expenses. Interior finishes and exterior shell materials conservation recommendations were made based on using conservation best practices and selecting the appropriate treatments. Recommendations were made in collaboration with the County and are based not only on the data collected but from a holistic perspective.

Report

This report has been prepared to summarize the facility conditions assessment (FCA) and provides the following:

- A detailed description of building systems describing the observed condition and recommendations to correct the deficiency.

- A list of the information provided and collected for each asset, such as equipment type, manufacturer, model number, serial number, capacity, and year installed.
- Description of and cost estimates for project phasing.

Reference the VFA Facility database for all supporting data including:

- Calculation of the Facility Condition Index (FCI).
- A detailed system component inventory and assessment of specific system components, prioritization of categorized data identifying critical, performance, aesthetic, and code/life safety deficiencies.
- Digital photographs of each system inventoried.
- The ability to schedule annual forecast expenditures itemizing each deficiency against each asset classification of the total cost for the actions required to correct the deficiencies by building system.

Project Team

The team is structured as outlined below. SFS Architecture corresponded directly with Jackson County. Additional consultants have been contracted under SFS to assist with specialized aspects of the project.

Owner

Name	Organization	Project Role	Phone	Email
Brian Gaddie	Jackson County	Director of Public Works	816.881.4496	bgaddie@jacksongov.org
Rick Gerla	Jackson County	Facilities Management Administrator	816.881.3748	rgerla@jacksongov.org
Howard Johnson	Jackson County	Facilities Construction Project Manager	816.881.4491	hjohnson@jacksongov.org

Design Team

Name	Organization	Project Role	Phone	Email
Marsha Hoffman	SFS Architecture	Principal	816.541.2299	mhoffman@sfsarch.com
Dana Gould	SFS Architecture	Project Manager	816.541.2646	dgould@sfsarch.com
Kelly Batcheller-Mummey	SFS Architecture	Project Architect	816.541.2252	kbmummey@sfsarch.com
Laura Burkhalter	SFS Architecture	Interior Design /	816.541.2285	lburkhalter@sfsarch.com

		Master Planning		
Kevin Hartman	SFS Architecture	Interior Design	816.541.2291	khartman@sfsarch.com
Doug Everhart	Henderson Engineers	Principal	913.742.5397	doug.everhart@hendersonengineers.com
Joe Chick	Henderson Building Solutions	Project Manager	913.742.5159	joseph.chick@hendersonbuilding.com
Nick Lynch	Henderson Building Solutions	Plumbing Engineer	913.742.5789	nick.lynch@hendersonbuilding.com
Tracy Wagoner	Henderson Building Solutions	Electrical Engineer	913.742.5333	tracy.wagoner@hendersonbuilding.com
John Pummill	Henderson Engineers	Mechanical Engineer	816.663.8704	john.pummill@hendersonengineers.com
Chris Constant	Henderson Engineers	Code Consulting	913.742.5717	chris.constant@hendersonengineers.com
Bob Renton	Henderson Engineers	Fire Alarm	913.742.5735	bob.renton@hendersonengineers.com
Josh Sheridan	Henderson Engineers	Fire Protection	913.742.5826	josh.sheridan@hendersonengineers.com
Mark Maurer	Henderson Engineers	Security	913.742.5622	mark.maurer@hendersonengineers.com
Wayne Davis	Bob D. Campbell & Co.	Structural	816.531.4144	wdavis@bdc-engrs.com
Clark Grisell	Terracon	Department Manager	913.492.7777	clark.grisell@terracon.com
Paul Fowler	Terracon	Project Manager	913.492.7777	paul.fowler@terracon.com
Tim Easley	Terracon	Environmental Technician	913.492.7777	tim.easley@terracon.com
Blake Harris	Terracon	Sr Staff Industrial Hygienist	913.492.7777	blake.harris@terracon.com

AmberLee O'Brien	Terracon	Environmental Technician	913.492.7777	amberlee.o'brien@terracon.com
Kurt Mitscher	Taliaferro & Brown	Project Manager	816.283.3456	kmitscher@tb-engr.com
Mike Nosseir	Taliaferro & Brown	Project Engineer	816.283.3456	mnosseir@tb-engr.com
Mike Gardner	Taliaferro & Brown	Principal-In-Charge	816.283.3456	mgardner@tb-engr.com

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Section 2

Existing Conditions

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Overall Asset Condition

The team identified and estimated deferred maintenance requirements totalling $34,055,921, and total building requirements totalling $77,372,147[3]. Summarizing the condition findings, the present condition of the building as represented by the FCI of 0.21 is poor; and by the RI of 0.47 is poor.

System	*FCI Rating*	*Prime Priority Rating*
Site	0.00	3
Structural	0.00	3-4
Architectural	0.08	5
Mechanical, Electrical, Plumbing	0.63	1
Fire Protection, Fire Alarm	1.09	1

Priority Ratings:
Priority 1 – Currently critical - requiring immediate action.
Priority 2 – Potentially critical – if not corrected soon, will become critical.
Priority 3 – Necessary but not critical requiring appropriate attention to preclude deterioration.
Priority 4 – Recommended.
Priority 5 – Appearance.
Priority 6 – Does not meet current codes/standards (grandfathered).

Code Analysis

This code analysis includes a description and evaluation of the existing conditions with respect to currently adopted building code requirements and Americans with Disabilities (ADA) accessibility guidelines.

The greatest value in terms of improvement to the life safety and fire protection provided within the building is achieved by providing an automatic fire sprinkler system throughout the building. Providing sprinklers throughout the building allows a reduction in other life safety and fire protection features due to the benefits of a fully sprinklered building. One example is the reduction in the fire rated enclosure of corridors (passive fire protection) when sprinklers are provided throughout the building (active fire protection).

Even if sprinklers are provided throughout the building, there are noncompliant conditions that may be difficult to modify to fully comply with the code. In some cases, it is recommended to pursue an Alternate Means & Methods (AM&M) to allow existing conditions to remain where additional life safety and fire protection features are provided as compensatory measures. This is permitted by the code in Sections 104.10 and 104.11 of the 2009 International Building Code (IBC).

The International Existing Building Code (IEBC) provides a means for alternative approaches to maintaining the applicable level of safety and protection in an existing building undergoing renovations.

[3] Replacement value, FCI and RI costs are in current 2021 dollars and do NOT include infrastructure redesign or re-stacking and tenant improvements, or soft costs such as design fees, permit fees, FFE or moving costs. Costs include materials, labor, and equipment costs for the replacement of current systems in their current location (in-kind replacement); 10% general conditions; 10% overhead and profit; 20% design contingency; 15% construction contingency; and escalation to a 2025 mid-point of construction = roughly a 2.0 multiplying factor of the value of the systems requirements in VFA.Facility.

For each renovation, the work being done can be classified in accordance with IEBC Chapter 5, as follows:

- Repair: Repair/replace/restore damaged materials, elements, equipment or fixtures. IEBC Chapter 6 applies. In general, existing building materials already in use may remain if they are not determined to render the building unsafe or dangerous. New materials are required to comply with the IBC. Repair work to be done in a manner to maintain the level of fire protection provided and protection provided for the means of egress.
- Alteration – Level 1: Removal/replacement of existing materials, elements, equipment or fixtures using new materials. Chapter 7 applies. New materials and finishes to be in accordance with the IBC. Alterations to be done in a manner to maintain the level of fire protection provided and protection provided for the means of egress.
- Alteration – Level 2: Reconfiguration of space, addition or elimination of any door/window, reconfiguration/extension of any system, installation of any additional equipment. Chapters 7 & 8 apply. These provisions apply only to the areas where the Level 2 alterations are occurring.
- Alteration – Level 3: Where the work area exceeds 50% of the building. Chapters 7, 8 & 9 apply. Requirements apply through all work areas.
- Change of Occupancy: Where the work area changes use or occupancy. Chapter 10 applies. The provisions are generally more stringent than those for alterations. An example would be converting an office area to a jury assembly area.
- Additions: Where the work area includes new floor area. Chapter 11 applies. In general, an addition is required to comply with all of the IBC provisions. No additions are planned for this building.
- Historic Buildings: Chapter 12 applies. Except as specifically provided for in Chapter 12, historic buildings are required to comply with the applicable provision for the type of work being performed. This building is not classified as a historic building.
- Accessibility: When Alterations – Level 2 or 3 occur, comply with IBC Chapter 11 unless it is technically infeasible.

Where the IEBC does not contain a specific requirement, the provisions of the IBC should be applied.

This Code Analysis is based on the following assumptions:

- The intent is for the building to eventually be fully sprinklered. For each future renovation project, an automatic sprinkler system will be provided for the renovation area or for the entire floor where the renovation is occurring. Recommendations for addressing noncompliant code issues are based on the requirements for a sprinklered building, even if only the renovated portion is sprinklered.
- Recommendations for addressing noncompliant code issues will incorporate applicable provisions from the 2009 IEBC, based on an Alteration – Level 2.

General Code Information

The following summarizes the general code information for the building:

- Building Description
    - Jackson County Courthouse
    - Address: 415 E 12th St, Kansas City, Missouri 64106

    - Authority Having Jurisdiction: Jackson County, Missouri
    - Construction: Originally constructed in 1934, the building consists of concrete and steel frame system, one-way concrete pan-joist floor slab systems, multi-wythe brick masonry exterior walls, wide flange steel columns and beams generally encased in concrete, interior walls either constructed of structural clay tile with plaster finish or steel or wood studs with gypsum board finish.
- Applicable Codes
    - 2009 International Building Code (IBC)
    - 2009 International Existing Building Code (IEBC)
    - 2009 International Fire Code (IFC)
    - 2009 International Mechanical Code (IMC)
    - 2008 National Electrical Code (NEC) (NFPA 70)
    - 2009 Uniform Plumbing Code (UPC)
    - 2009 International Energy Conservation Code (IECC)
    - 2010 ADA Standards for Accessible Design
    - Adopted by reference:
        - NFPA 10, *Portable Fire Extinguishers*, 2007 Edition
        - NFPA 13, *Installation of Sprinkler Systems*, 2007 Edition
        - NFPA 14, *Installation of Standpipe and Hose System*, 2007 Edition
        - NFPA 20, *Installation of Stationary Pumps for Fire Protection*, 2007 Edition
        - NFPA 25, *Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, 2007 Edition
        - NFPA 72, *National Fire Alarm Code*, 2007 Edition
        - NFPA 80, *Fire Doors and Other Opening Protectives*, 2007 Edition
        - NFPA 110, *Emergency and Standby Power Systems*, 2005 Edition
- Occupancy Classification
    - The building is primarily a Business (B) occupancy with the following occupancy groups:
        - A-3 – Large assembly spaces with 50 or more occupants, including courtrooms and jury rooms. Large office areas with 50 or more occupants are B occupancies, not A-3
        - B – Office areas, utility rooms (e.g., mechanical, eletrical rooms)
        - F-1 – Woodworking areas
        - S-1 – Storage areas with moderate hazard contents
    - Occupancy separation approach: Nonseparated (no rated separations required between occupancies)
- Construction Type
    - Type I-A, with the following requirements:
        - Building elements: Noncombustible (combustible items allowed per IBC 603.1)
        - Structural Frame (e.g., columns, beams): 3 hour
        - Floor Assemblies: 3 hour
        - Roof Assemblies: 1½ hour
        - Bearing Walls: 3 hour
        - Nonbearing Walls: 0 hour (if 30 feet or more from property line)
    - Allowable Height
        - Allowable: Unlimited building height and number of stories

        - Actual: 24 stories (basement level is a story below grade; ground floor is the first story above grade; mezzanine levels are defined as stories, not mezzanines; roof level is defined as a rooftop structure, not a story)
    - Allowable Area
        - Allowable: Unlimited floor area and building area
        - Actual: Largest floor is approximately 22,000 square feet
- Required Fire Resistance Rated Separations
    - Shafts: 2 hour
    - Elevator hoistways: 2 hour
    - Elevator machine rooms: 2 hour
    - Enclosed exit stairways: 2 hour
    - Fire pump room: 2 hour
    - Fire command center: 1 hour
    - Furnace rooms with equipment over 400,000 Btu/hr: 1 hour
    - Boiler rooms with equipment over 15 psi and 10 horsepower: 1 hour
    - Laundry rooms over 100 square feet: 1 hour
    - Waste collection (trash) rooms over 100 square feet: 1 hour
    - Electrical rooms with dry-type transformers over 112.5 kVA: 1 hour (see NEC 450.21(B) for exceptions)
    - Electrical rooms dry-type transformers over 35,000 kVA: 3 hour (see NEC 450.21(C) & 450.42 for exceptions)
    - Electrical vaults with equipment over 1,000 volts: 3 hour
    - Corridors: 1 hour (0 hour if sprinklered)
- Fire Protection Systems
    - Automatic Sprinklers: Required / Provided in some areas
    - Standpipes: Required / Provided (Class III in West stairway; Class II in East stairway)
    - Portable Fire Extinguishers: Required / Provided in some areas
- High Rise Requirements
    - The building is classified as a high rise since the highest occupied floor is more than 75 feet above the lowest level of fire department vehicle access. The following high rise requirements apply (IBC code reference):
        - Increased bond strength of sprayed fire resistant materials (SFRM) from 150 to 430 psf (403.2.4)
        - Automatic sprinklers throughout (403.3)
        - Standpipes (403.4.3)
        - Voice fire alarm system (403.4.4)
        - Fire department communication system (emergency responder radio coverage) (403.4.5)
        - Fire command center (403.4.6)
        - Smoke removal system (403.4.7)
        - Standby power for fire command center lighting, stair pressurization systems, and elevators (403.4.8.2)
        - Emergency power for exit signs, egress illumination, elevator car lighting, fire alarm system, and electric fire pumps (403.4.8)
        - Remoteness of exit stairways (403.5.1)

        - Stair pressurization system for each enclosed exit stairway (403.5.4)
        - Luminous egress path markings in each exit stairway (403.5.5)
        - Elevator pressurization system or enclosed elevator lobbies for each elevator (708.14.1, Ex. 4,6)
        - Smoke detectors or automatic sprinklers in mechanical, electrical, telephone, or similar rooms (907.2.13.1.1, Item 1)
        - Smoke detectors in elevator machine rooms and elevator lobbies (907.2.13.1.1, Item 2)
        - Smoke detectors in main return air and exhaust air plenum of HVAC systems greater than 2,000 cfm (907.2.13.1.2, Item 1)
        - Smoke detectors at each connection to vertical duct or riser serving 2 or more stories from a return air duct or plenum (907.2.13.1.2, Item 2)
        - Sprinkler system and fire alarm system zoned by floor (907.6.3.2)
        - 2 hour rating for fire pump room (913.2.1)
        - Exterior exit stair not permitted as means of egress (1026.2)
- Plumbing Fixtures*
    - Men's water closets & urinals : 43 required, 84 provided
    - Men's lavatories: 28 required, 46 provided
    - Women's water closets**: 52 required, 91 provided
    - Women's lavatories**: 28 required, 75 provided
        - * Fixtures located in private offices not counted as provided
        - ** All unisex fixtures applied to women's count

Refer to Appendix A for Life Safety Plans that indicate the occupant load of each space, number of occupants egressing through various exit components, travel distances, common path of travel, and major noncompliant issues related to egress and fire-resistance ratings.

Noncompliant Code Issues

Noncompliant code issues that should be addressed are discussed in the following sub-sections. Refer to Section 3 (Recommendations) of this report for recommended actions and approaches.

Refer to VFA Facility for a comprehensive list of code issues and where they exist in the building.

1. Fire Protection Systems

The building is not protected throughout with a water-based fire suppression system. Currently, only the eleventh floor and portions of the basement level and ground floor are sprinklered. Sprinklers are provided in portions of the fifteenth floor (Elevator Equipment 1500) and the roof level (Elevator Mechanical 1620) but this system is disconnected and not operational.

The fire alarm system has limited functionality. Where provided, occupant notification does not function in some areas.

Refer to the Fire Protection section of this report for diagrams showing the areas that are currently provided with sprinklers as well as photos of the existing fire sprinkler system and fire alarm system.

2. General Fire Safety





Image 10 and Image 11 – Woodshop on floor 3M with no dust collection.



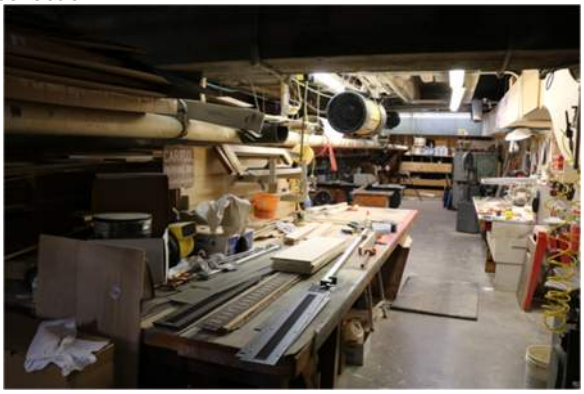


Image 12 and Image 13 – Woodshop on floor 3M.





Image 14 – Woodshop on fourteenth floor.

Image 15 – Spray area on fifteenth floor.

Woodworking and paint spray operations occur on floor 3M, the fourteenth floor, and the fifteenth floor without proper safety features. Fire-resistance rated spray rooms, ventilation, and dust control are not provided.

Hazardous materials, such as paint and lacquer, exceed the Maximum Allowable Quantity (MAQ) of materials permitted for storage.





Image 16 and Image 17 – Spray area on floor 3M.



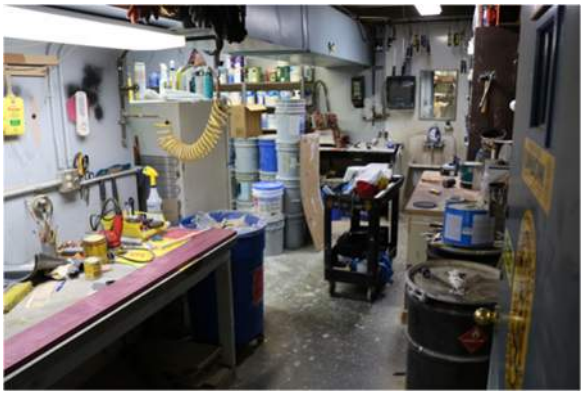


Image 18 and Image 19 – Hazardous materials storage on floor 3M.

A fire command center is not provided. Since the building is a high-rise, a fire command center designed in accordance with IBC 911 and containing the items listed in IBC 911.1.5 is required.

Secondary power is not sufficient to support all the required loads. Standby power is required for the fire command center lighting, stair pressurization systems, elevators, and elevator pressurization systems (where provided). Emergency power is required for exit signs, egress illumination (emergency exit lighting), elevator car lighting, fire alarm systems, and electric fire pumps.

The functionality of the existing fire department communication system is unknown. If the wired system (fire fighter phone jacks) is not functioning or is not acceptable to the fire code official, a distributed antenna system (DAS) can be provided (IBC 403.4.5 and 907.2.13.2; IFC 510).

A smoke removal system is not provided. Since the building is a high-rise, a smoke removal system for post-fire salvage and overhaul operations is required (IBC 403.4.6). This is not a life safety system and is not required to be supplied with secondary power. The system can be accomplished using natural ventilation (exterior windows or panels that are manually operable, or glazing that can be cleared by fire fighters, spaced at 50 feet around the building at each floor, with an opening size of at least 40 SF) or mechanical ventilation (4 air changes per hour, with return and exhaust air delivered directly to and from the exterior without recirculation to other portions of the building). The Code also allows any alternate method to be used that is acceptable to the AHJ.

3. Construction Type

Combustible wood construction exists in many areas. The most significant locations include several storage rooms and workshop areas on floor 3M and the main elevator lobby of the thirteenth and fourteenth floors where walls and floors are built with wood studs and floor joists. Other wood stud construction exists on floor 8M (Conference Room 891M), the tenth floor (Office 1042), and floor 10M (Mech 1081M & 1086M).

Non-rated primary structure (columns and beams) exists on the basement level, eighth floor, and ninth floor.





Image 20 – Wood construction on floor 10M.





Image 21 and Image 22 – Wood construction and non-rated steel columns on thirteenth and fourteenth floors.





Image 23 and Image 24 – Wood construction on fifteenth floor.

4. Stairways

The open stairway (Stair 3) connecting multiple floors is not properly protected.

The two main enclosed exit stairways (Stairs 1 & 2) lead to floor 3M at the woodshop and spray operations, are not fully separated, and do not discharge directly to the exterior.

The east enclosed exit stairway (Stair 1) does not extend up past the ninth floor, so those upper floors are not provided with two exits.





Image 25 and Image 26 – Non-rated steel structure on basement level and eighth floor.



Image 27 – Stair 3, view from side.



Image 28 – Stair 2, discharging onto floor 3M.



Image 29 – Stair 3, view from top.



Image 30 – Stair 1, discharging onto floor 3M.

5. Egress

Many rooms or spaces with more than 49 occupants (e.g., courtrooms) are only provided with one exit (two required).

Several areas do not comply with exit access requirements, such as travel distance to exits, egress through doors that are lockable, and exits located too close together.

Stairways open to normally unoccupied rooms (e.g., storage rooms) at floor 3M, the twelfth floor, the thirteenth floor, and the fourteenth floor.

Some egress paths are obstructed with objects or storage. For example, storage is located on the stair landings of Stair 1 at floor 8M and the eleventh floor, and the exterior exit doors at the first floor are obstructed and blocked.

Many doors do not provide the required clear width or swing in the correct direction.

Emergency exit lighting is poor or nonexistent in some areas. Emergency lighting is required along egress paths in rooms or spaces that require more than one exit, in corridors, and in exit stairways (IBC 1006.1).



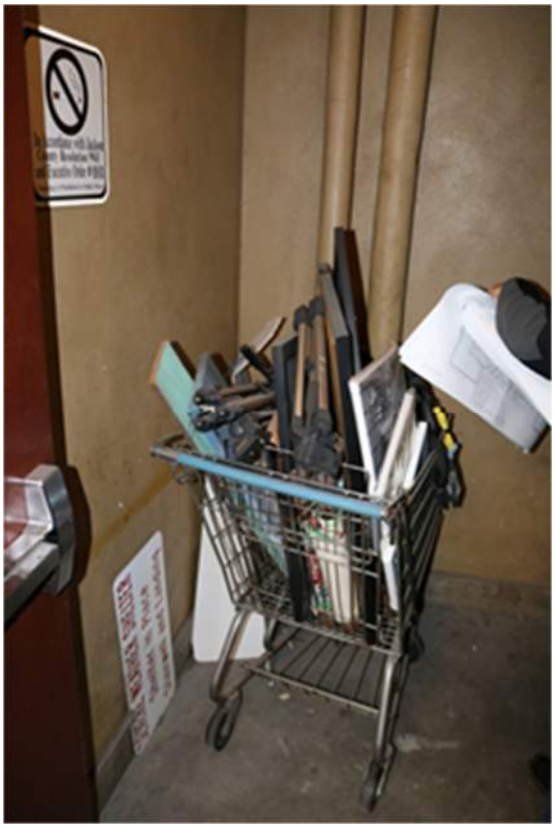


Image 31 and Image 32 – Storage and obstructions in Stairs 1 and 2.

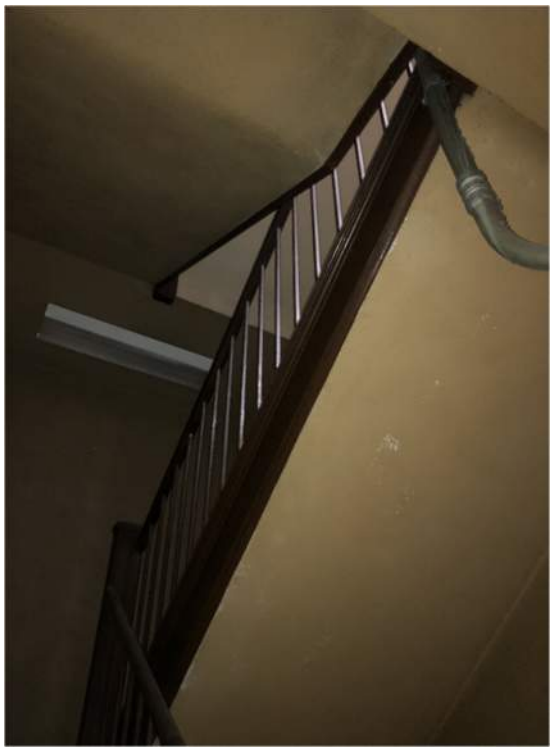




Image 33 and Image 34 – Stair 1 with no emergency lighting.

Exit signs are generally not provided or are not bright enough where provided. Exit signs are required at exit doors for all rooms or spaces that require more than one exit, within corridors spaced at 100 feet, and at doors within exit stairways (IBC 1011.1).

Luminous egress path markings are not provided in Stairs 1 & 2, which includes self-luminous or photoluminescent markings for steps, landings, handrails, wall perimeters, obstructions, and doors. This is required since the building is a high-rise (IBC 403.5.5 & 1024).\

6. Fire-resistance Ratings

Numerous penetrations through floors are not protected or the existing firestopping is not intact. All penetrations made through floors are required to be protected with a through-penetration firestop system, or may be protected by filling the annular space around a maximum 6-inch noncombustible conduit, pipe, tube, or vent with concrete, grout, mortar, or other approved material that will maintain a 2-hour rating (IBC 713.4.1).



Image 35 – Blocked egress at north side of the first floor.



Image 36 – Example of an un unprotected floor penetration.

In some areas, ducts routed through floors are not properly protected. Ducts connecting only two stories can be protected with either a fire damper installed at the floor line or with a shaft enclosure complying with IBC 708 (IBC 716.6.1). Ducts connecting three or more stories are required to be protected with a shaft enclosure.

Penetrations through and opening protection for rated walls are generally not compliant. Penetrations through rated walls are required to be protected with a through-penetration firestop system (IBC 713.3.1). For concrete or masonry walls, the penetration can be protected by a through-penetration firestop system or by filling the annular space around a maximum 6-inch noncombustible conduit, pipe, tube, or vent with concrete, grout, or mortar with a thickness that will maintain the required rating (IBC 713.4.1). Combination fire/smoke dampers are required for ducts that penetrate shaft enclosures (IBC 716.5.3). Fire dampers are required for ducts that penetrate other rated walls (IBC 716.5.2). Dampers are not required for ducts that penetrate 1-hour fire barriers where the HVAC system is fully ducted (supply, return, and exhaust) with minimum No. 26 gage sheet steel and the building is fully sprinklered (IBC 716.5.2, Exception). Doors in 2-hour walls are required to be 90-minute rated and doors in 1-hour walls are required to be 45-minute rated (IBC Table 715.4).

Several rooms that require a rated separation are not provided with rated walls or openings. These rooms are indicated on the Life Safety Plans in Appendix A. Corridor walls in non-sprinklered buildings are required to be constructed as 1-hour fire partitions but are permitted to be non-rated in sprinklered buildings (IBC Table 1018.1).

Vertical shafts are not fully separated or are not provided with a rated enclosure at the top. For example, the shaft enclosures of the two HVAC shafts that extend up to mechanical units on Floor 3M stop at the floor line of Floor 3M. Also, the mechanical room/shaft with the designation “C” (located plan south of the main east elevators) contains multiple unprotected floor and wall openings at each level. Either the floor openings need to be protected at each floor level or the vertical pathway needs to be built as a shaft enclosure complete with 2-hour enclosing walls, protected wall openings, and rated top enclosure.

Stairs 1 and 2 are not provided with stair pressurization systems. Since the building is a high-rise, each stairway is required to be provided with either a stair pressurization system or a smokeproof enclosure with ventilated vestibules at each level (IBC 403.5.4 and 909.20).

The two elevator shafts serving the basement level through the fourteenth floor and the two elevator shafts serving the eleventh floor through the fifteenth floor are not provided with elevator pressurization systems. Since the building is a high-rise, each elevator shaft (hoistway) is required to be provided with either an elevator pressurization system, elevator lobbies at each level except the street level, or additional rated doors at each opening (IBC 708.14.1). Note that as of the 2015 IBC, this requirement only applies to the two elevator shafts serving the basement level through the fourteenth floor. The requirement would not apply to the two shafts serving the eleventh floor through the fifteenth floor because the fifteenth floor is less than 75 feet above the eleventh floor.





Image 37 and Image 38 – Pipe chase “C” at third floor (left), opening into storage room at the eighth floor (right).

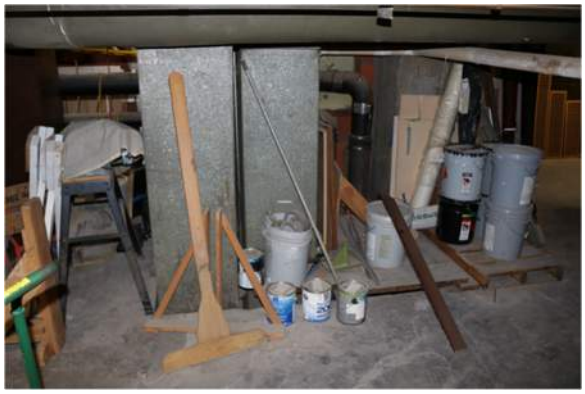




Image 39 and Image 40 – Mechanical shaft in shop at floor 3M.





Image 41 and Image 42 – Non-rated shaft enclosure.





Image 43 and Image 45 – Non-accessible public entrance on east side of ground floor and north side on first floor.

7. Accessibility

Only one of the three public entrances are accessible (60% required).

Several courtrooms are not accessible (vertical access to jury box, witness stand, clerk's station, judge's bench, clear widths, wheelchair positions, and assisted listening systems not provided).

Several restrooms and drinking fountains are not accessible.

Several work surfaces and service counters are not accessible.

Site

Existing site conditions can be broken down into two basic categories, hardscape and site utilities.

The existing hardscape consists of public and private sidewalks, stairs, ramps, curbs, and parking lot pavements. In general, the public sidewalks are in reasonable condition, with spot repairs being recommended on all four roadway frontages. Private sidewalks and ramps are in better condition, while the main stairs on the north side of the building show damage to several of the steps which should be repaired immediately. The parking lot pavements are nearing the end of their useful life, and should be milled and overlaid.

The site utilities are generally in good condition. The domestic water and fire protection lines were replaced in 2020 when the building basement flooded, so these services are in near new condition. The sanitary sewer services to the building are reported as having no issues. The storm sewer service is

generally provided using the adjacent combined public sewer system. Some existing area drain inlets should have grate inlet covers replaced, but these replacements are not an urgent requirement. There is an existing trench drain on the east side of the building, located at the bottom of the stairs to the basement, that is completely clogged and nonfunctional. This trench drain should be cleaned out as a part of ongoing maintenance operations.



Image 44 – Cracked pavement in south parking lot.



Image 45 – Public sidewalk along Locust Street.



Image 46 - Clogged trench drain at east stairs.



Image 47 – The north steps are crumbling and exhibit open joints.

Structural

The structural review consisted of reviewing the existing structural drawings and performing an on-site walk-through of the facility. The majority of the structural framing was covered by architectural finishes and therefore was not observable. The structure is in good condition, especially considering the age of the building. The issues with the structure that were observed were of maintenance in nature. None of the issues posed an immediate threat to the integrity of the structure.

Substructure

A1010 - Foundations

The foundation for the building consists of cast-in-place concrete footings bearing on limestone. The foundations appear to be performing adequately. The building has a basement with the below grade walls constructed with cast-in-place concrete. The exterior areaway walls are cracking and should be repaired.

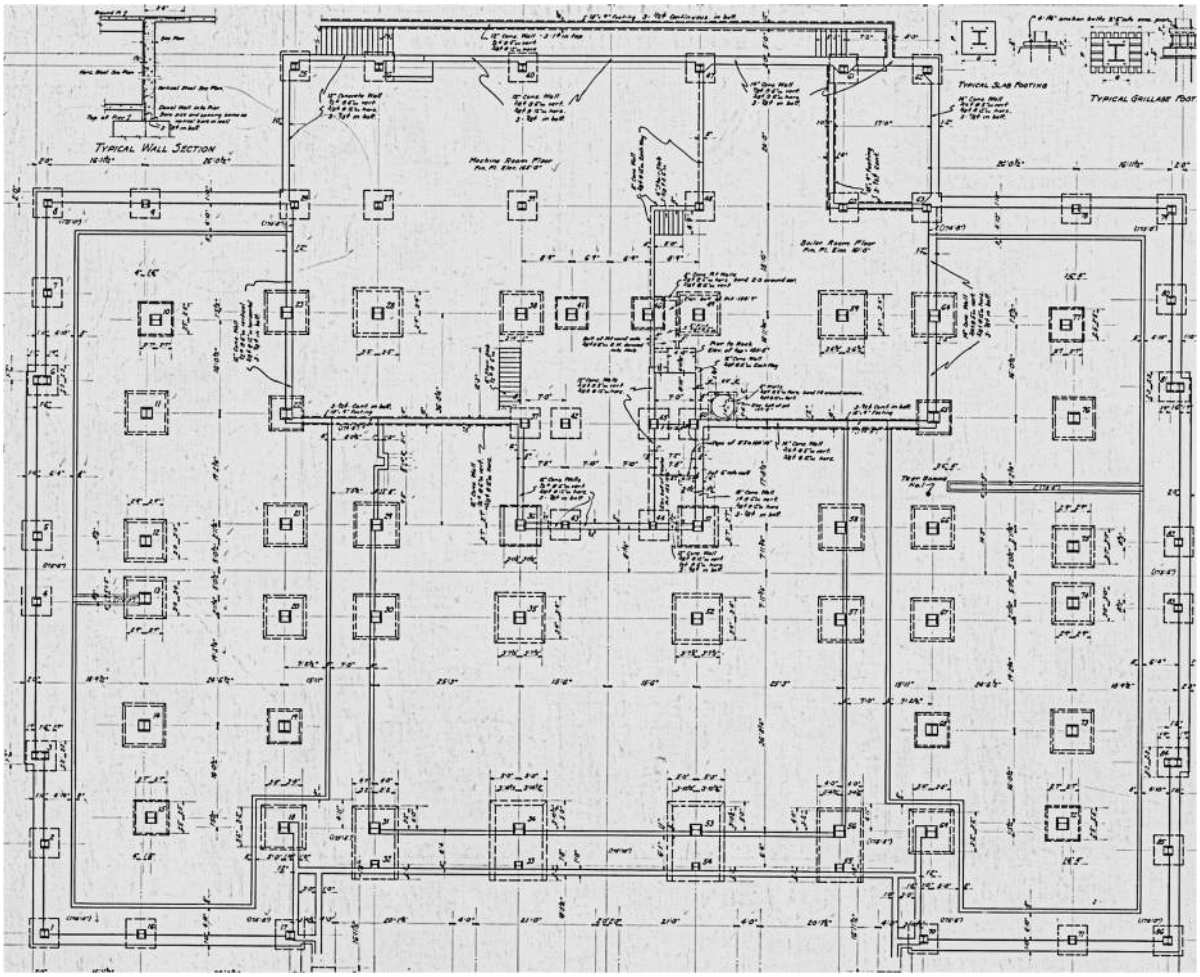


Image 48 – Foundation Plan (1933 Construction Documents, Sheet 51.

A1030 – Slab on Grade

The basement slab on grade is 4-1/2” thick and reinforced with welded wire fabric. Typically, there is a free draining granular layer below the slab on grade. There is an area of slab in the south side of the basement that has heaved and cracked the slab. The garage door approach slab is deteriorationg.

Superstructure

B1010 - Floor Construction

The floor structure of the courthouse consists of a concrete joist system supported by concrete encased steel beams. The floor structure is supported by steel columns encased in concrete. At the base of some of the columns in the basement the concrete has spalled. There is an existing opening in the first floor slab that should be infilled with concrete floor structure. There are cracks in the third floor mezzanine, twelfth floor and fifteenth floor floor concrete joist systems.

B1020 – Roof Construction

The roof structure also is constructed with a concrete joist system supported by concrete encased steel beams. The steel beams frame into steel columns, which are also encased in concrete.

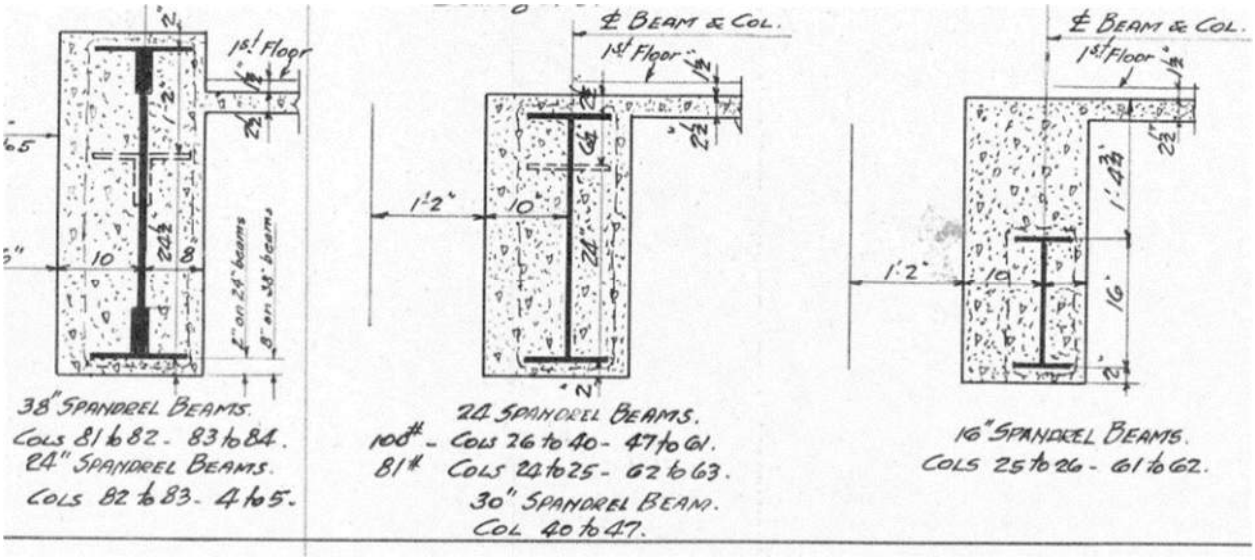


Image 49 – Spandrel beam details for first floor (1933 Construction Documents).



Image 50 - Floor slab infill required.



Image 51 - Heaving basement floor slab.



Image 52 - Concrete column requiring repair.



Image 53 - Cracked concrete requiring repair.



Image 54 - Exterior slab requiring repair.



Image 55 - Areaway wall requiring repair.

Architectural

The architectural systems of the building are in good condition. The building features many original historic finishes that are in good condition, as well as mid-Twentieth Century and contemporary finishes and features from the building's past repair and alteration campaigns that are also in good condition.

Exterior Envelope

The exterior envelope is composed of limestone with ¼" mortar joints pointed with mortar matching the color of the limestone resulting in a monolithic appearance. The walls are composed of limestone cladding in various thicknesses with brick backup. The brick backup is exposed at the back sides of the parapet walls and has had an elastomeric finish applied. The base of the building features granite cladding that extends approximately four (4) inches below grade.

Window openings are composed of painted steel casement sash with fixed and operable transom windows. The mezzanine floor levels are concealed with glazed fixed sash spandrel panels. The main floor levels are concealed with cast aluminum spandrel panels.

The exterior envelope was restored as part of the "Building Improvements" project documented in August of 2003 (referred to in this report as the mid-2000s exterior restoration). The scope of work included cleaning of the limestone and brick masonry; restoration of the existing window assemblies, decorative metal panels, and decorative cast metal grilles; and reroofing. The exterior shell of the building is in good condition because of this exterior materials restoration campaign.

B2010 - Exterior Walls – Granite, Limestone and Brick Walls

The following conditions were documented for the granite and limestone cladding and brick backup where exposed to view:

- Mortar joint condition
- Linear cracking
- Spalling
- Staining
- Unit displacement
- Missing material

The exterior walls are generally in good condition due to the mid-2000s exterior restoration of the exterior envelope. The mortar joints are in good, weather-tight condition. There are a few joints that have been overcut from previous restoration campaigns, however, it is not overly obtrusive to the overall appearance of the masonry. The mortar color appropriately matches the limestone. No spalling, unit displacement, or missing materials were noted. There are a few mortar joints exhibiting hairline cracking and deteriorating mortar. There were a few linear cracks noted. Most of these conditions are documented as Priority 3-5 requirements, which are necessary but not critical to repair to preclude deterioration.



Image 56 – Granite base of the building.



Image 57 – Painted brick at back side of 3M parapet.



Image 58 – Limestone mortar joints. This photo shows a nick made in the stone during mortar removal. This does not compromise the integrity of the masonry. The mortar matches the stone for a monolithic appearance.



Image 59 – Biological and atmospheric staining.



Image 60- Poorly executed crack repair.

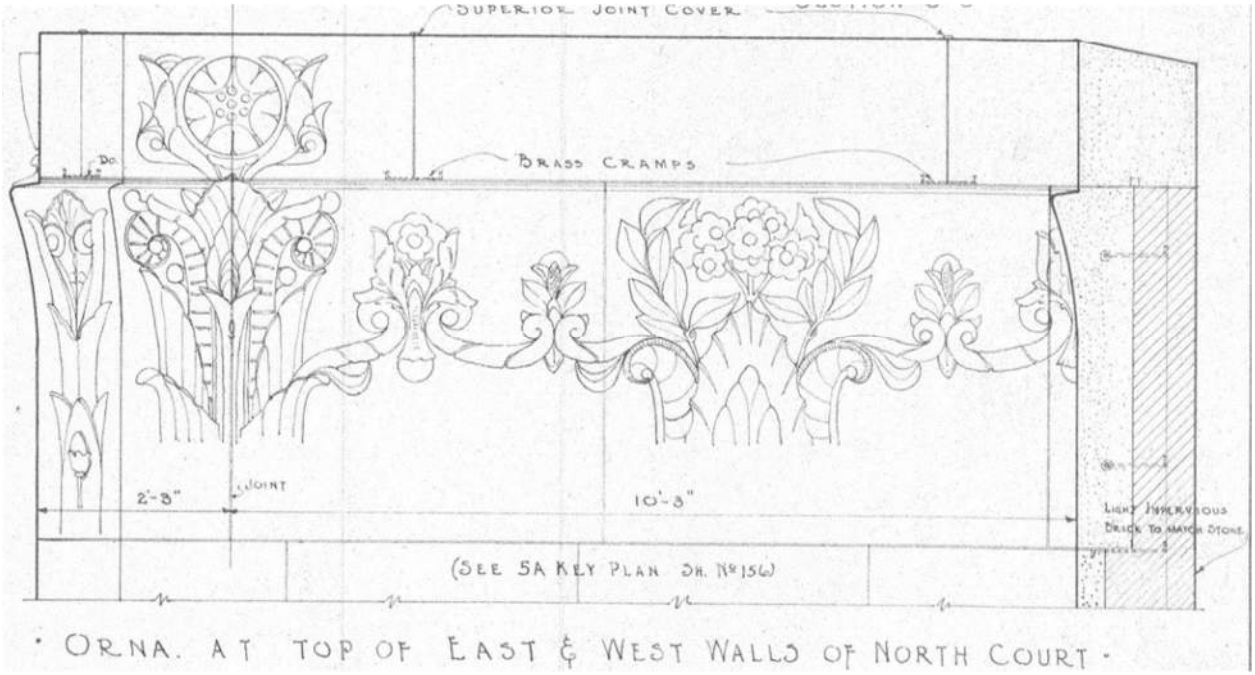


Image 61 – Detail of ornament and section through parapet walls (1933 Construction Documents, Sheet 157). The documents indicate 'Superior Joint Covers' at the skyward-facing joints. These joints are currently sealed, which is an inferior treatment for skyward-facing joints. Sealant joints require constant maintenance to prevent water infiltration. These joints are the most common entry point for water infiltration into masonry wall assemblies.

The parapet walls are in poor condition due to the elastomeric coating applied as part of the mid-2000s exterior restoration campaign. The coating is trapping water within the stone cladding and brick backup wall assembly. As water enters the assembly from the skyward facing joints (due to deteriorated sealant joints) and the exterior face of the walls due to wind-driven rain, the water becomes trapped within the wall assembly. This deterioration mechanism is evident in the large amount of atmospheric and biological staining seen at the exterior face of the parapet walls. Some areas of the brick faces are beginning to spall. If not corrected, the staining will disfigure and degrade the limestone and the brick will continue to spall. Internal steel supports may begin deteriorating due to water infiltration. This condition is documented as a Priority 1 requirement requiring immediate action to stop accelerated deterioration.

B2010 - Exterior Walls – Sealant Joints

The sealant joints were replaced during the mid-2000s exterior restoration campaign, and are fifteen to twenty years in age. The sealant joints are located between dissimilar materials such as around windows and doors, as well as at skyward-facing joints of the limestone at ledges and coping stones. The sealant is in fair to poor condition and requires replacment. This condition is documented as a Priority 2 requirement that is potentially critical and if not corrected soon, will become critical.

B2010 - Exterior Walls – Aluminum and Bronze Spandrel Panels

The cast aluminum spandrel panels are detailed on Sheets 160 and 201 of the original drawing set. The Yellow Mankato stone backing indicated on Sheet 160 must have been eliminated during construction. The mid-2000s restoration campaign cleaned and refinished the panels; it is unknown if the panels where originally finished. Some of the panels differ in color from the other panels. This may be a result of not providing full coverage of the finish during the mid-2000s restoration campaign. This condition is documented as a Priority 5 requirement, affecting the appearance of the building.

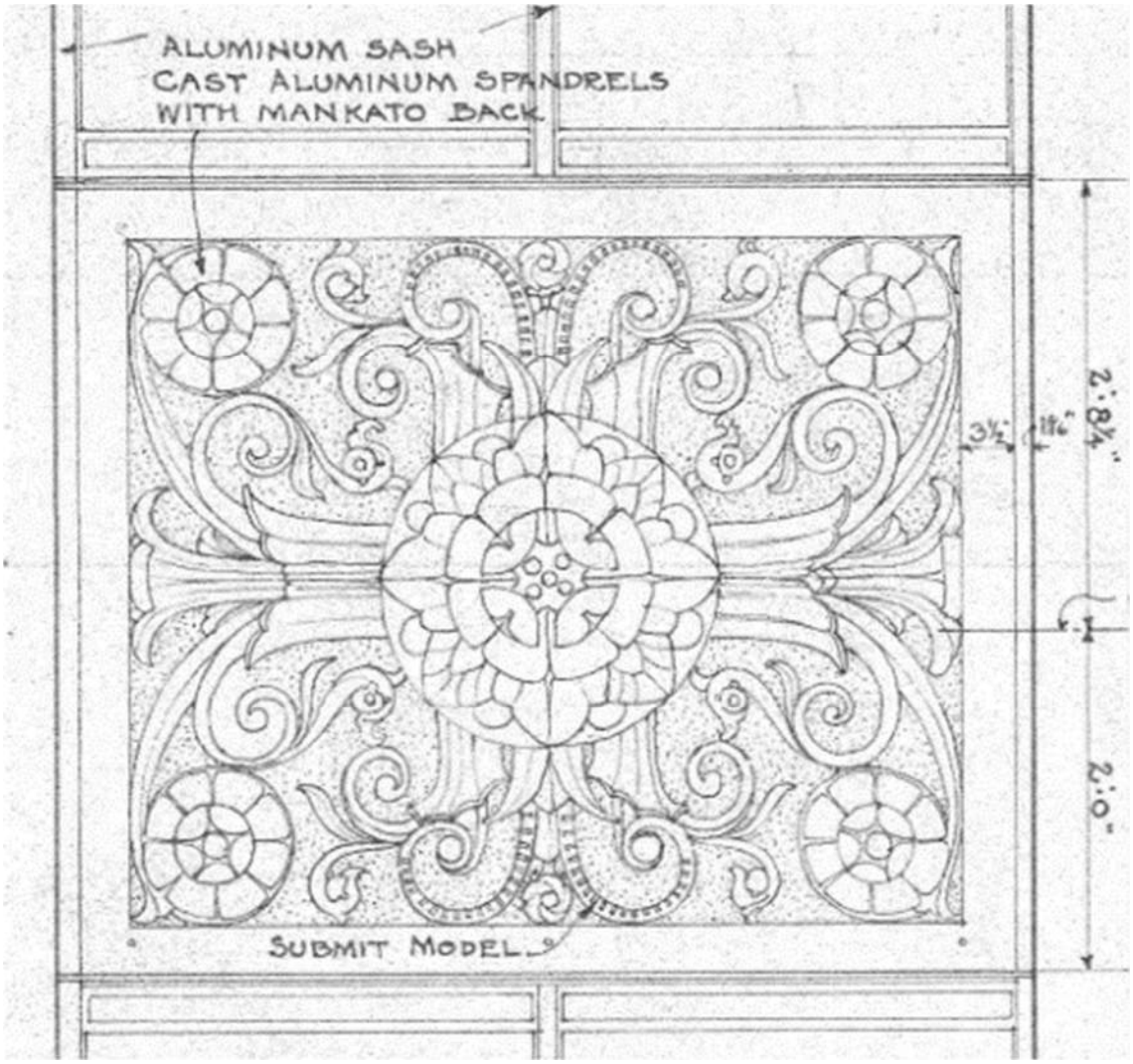


Image 62 – Typical cast aluminum spandrel at second floor (1933 Construction Documents, Sheet 160).

The spandrel panels above the main entry doors on the north elevation are bronze in construction. The center bay hosts the “Jackson County Court House” signage which is also bronze in construction. The panels were refinished with an aluminum-color finish.

B2013 – Exterior Louvers and Screens – Ornamental Grilles

The exterior ornamental grilles are constructed of bronze at the lower levels (second through third floors) and aluminum at the upper levels. These elements are highly ornamental and require the care of a pre-approved contractor. A previous repair campaign refinished the lower level bronze grilles with an aluminum-color finish, likely in the mid-Twentieth Century when aluminum revolving doors replaced the original bronze entry doors.

The 2003 restoration drawings identified the grilles to be restored off-site; however, the upper level grilles from the eleventh through fourteenth floors are missing approximately 10-15% of their decorative filigree. The grilles at these floors may not have been addressed during the last restoration campaign as a cost savings measure. These conditions are documented as Priority 5 requirements, affecting the appearance of the building.

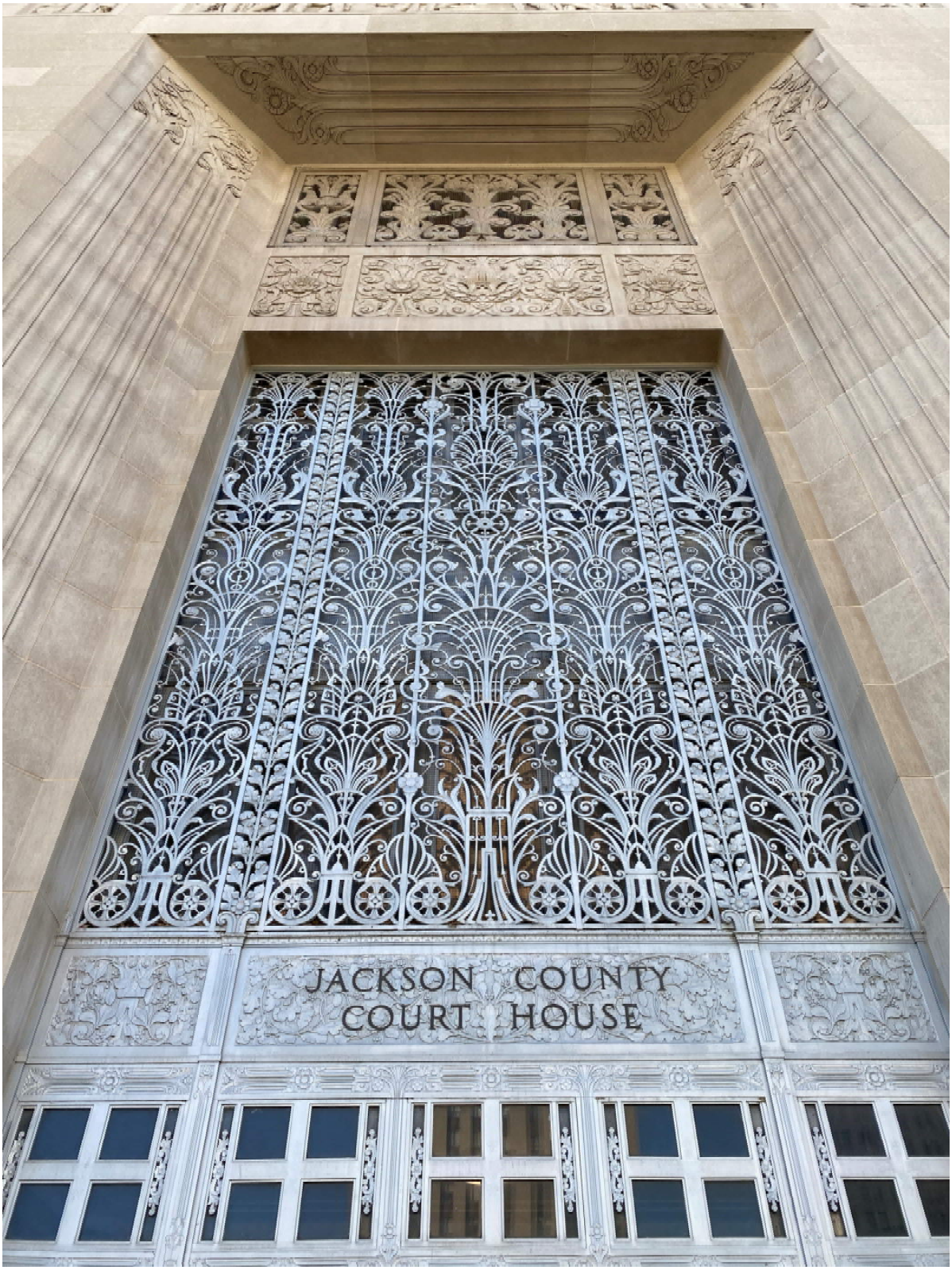


Image 63 – These ornamental grilles were originally bronze but were refinished with an aluminum finish, likely in the mid-Twentieth Century when the aluminum storefront doors replaced the original bronze doors.

B2013 - Exterior Louvers and Screens – Metal Wall Louvers

The steel exterior louvers exhibit rust, peeling paint and finish discoloration. This condition is documented as a Priority 5 requirement, affecting the appearance of the building.

B2020 - Exterior Windows – Steel Windows

The original drawings identifed the windows as being constructed of aluminum. However, they appear to be steel evident by the rust staining at the frames. The frames are in good operable condtion but exhibit rusting and discoloration of the finish. The weather stripping, installed during the mid-2000s exterior restoration campaign, has shrunk and is no longer functioning. There is one window on the south elevation with cracked glazing. These conditions are documented as Priority 5 requirements, affecting the appearance of the building.

B2030 - Exterior Doors – Bronze Door Frames, Aluminum Doors

Clear anodized aluminum storefront doors replaced the original bronze doors throughout the ground and first floors. The transom sash and door frames are original and constructed of bronze. A previous repair campaign refinished the transom sash and frames with an aluminum-color finish, likely in the mid-Twentieth Century when aluminum revolving doors replaced the original bronze entry doors. These conditions are documented as Priority 5 requirements, affecting the appearance of the building.



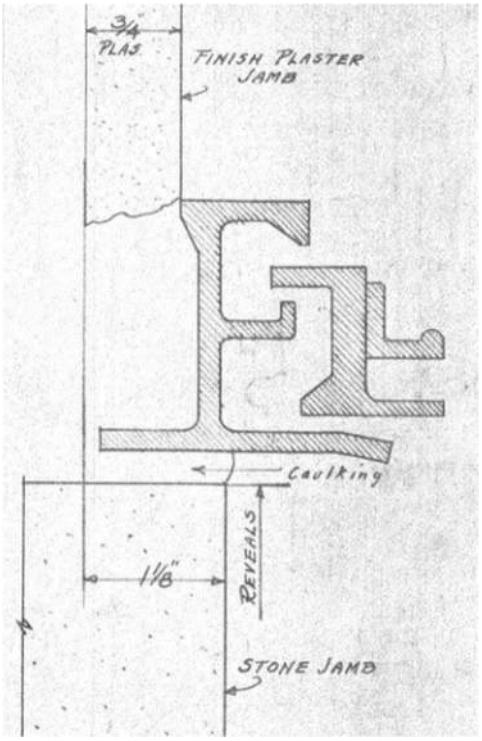


Image 64 (Left) – Typical rusting and finish discoloration at steel windows.

Image 65 (Right) – Typical detail at window jambs (1933 Construction Documents, Sheet 190)



Image 66 – Deteriorated mortar at counter flashing.



Image 67 – Typical modified bitumen roof on main roof.

B30 - Roofing – Modified Bitumen Roofing

The current roofing membrane consists of a modified bitumen roofing system with copper counter flashing that extends approximately twelve inches above the roofing membrane. The roofing was installed during the mid-2000s exterior restoration campaign, and is fifteen to twenty years in age. The copper counter flashing is not regleted into the masonry joints; it has a termination bar with sealant in poor condition. There are areas of copper counter flashing with open laps. There are areas of standing water. The roofing membrane is in good condition with no visible punctures, blistering or detachment. However, this type of roofing will last twenty to twenty-five years, and therefore, this condition is documented as a Priority 2 requirement that is potentially critical if not corrected within the next five to ten years.

Interior Features and Finishes

The building features a heirarchy of features and finishes with the most significant spaces such as the main lobby and courtrooms featuring the highest level of finish. The finishes exemplify the Art Deco style in design, materiality and execution. The first floor lobby features the highest level of finish which includes ornately patterned marble flooring with bronze medallions, marble-clad walls, bronze doors and frames with applied bronze ornament, and ornamental plasterwork at the ceilings and column capitals.

The level of finish steps down from there in quality and aesthetic. While the upper level lobbies and corridors still retain a high level of finish, the floors move from marble on the first floor to terrazzo, then patterned rubber tile as one moves up the building. The office spaces are simpler in design and finish, and feature carpet tile, wood base, flat plasterwork and running plaster cornices. As one enters the basement, pipe floor (3M) and fifteenth floors, the finishes are industrial in nature consisting of exposed concrete floors, masonry walls and concrete structure.

The many previous repair and alteration campaigns have continued to add to the library of finishes in the building. Alteration campaigns installed metal frame and gypsum wallboard partitions, rubber base, carpet tile and acoustical ceiling tile, often concealing the original flat and ornamental plasterwork above.

C1010 – Partitions – 3-Coats Plaster on Terra Cotta Tile and GWB

The original interior partition walls are constructed of three-coat plaster over four (4), six (6) inch or eight (8) inch thick red clay tile. Partitions of the offices are typically four (4) inches thick. Partitions of the

vaults, courtrooms, garage, corridors and lobbies, elevator shafts, and Stairs No. 1 and No. 2 are six (6) inches thick. Partitions of the Main Foyer are eight (8) inches thick. Most partitions run to the concrete structure above. The exterior walls are finished with three-coat plaster over metal furring with an air space between the metal furring and the multi-wythe brick masonry exterior walls.

New partition walls have been installed over the years during the many renovations of the building. These partition walls are typically constructed of metal or wood framing and gypsum wallboard.

The original and new partition walls are in good condition. There are many walls with penetrations that have been made during previous repair and alteration campaigns. These conditions are documented as Priority 6 requirements, which are conditions that do not meet current codes/standards.

C20 – Stairs – Stairs

The bulding houses three main sets of stairs, two of which are enclosed and one that is open to the main public corridors. The building also features several two-story stairs that connect the first floor to its mezzanine level and the jury stairs that connect the courtroom floors to the juror mezzanine levels.

Stair No. 1 (east) and Stair No. 2 (west) connect the ground floor to the roof level, with the exception of the run between the ninth, tenth and tenth floor mezzinine of Stair No. 1. It is unknown why Stair No. 1 did not continue through these three floors. These stairs are enclosed, have a 2-hour fire rating, and are rudamentary in finish and detailing. They are constructed of steel “C” channels and angles with 11-inch deep concrete treads, concrete landings, metal risers with metal nosings, metal guardrails with wood caps, marble base and plinths, and steel doors and frames featuring a faux wood finish. Original drawings indicate risers vary from 7 3/19” to 7 1/5” in height. These stairs house the vertical sprinkler piping risers concealed within the walls. There is a set of stairs from the Stair No. 1 enclosure connecting the ground and basement floors. It is constructed on concrete.

Stair No. 3 begins on the fourth floor and connects the court levels between the fourth and the eleventh floors. This stair is much more decorative than Stairs No. 1 and 2. The stair is constructed steel “C” channels and angles, with 11-inch deep marble treads, marble and rubber tile landings, metal risers, metal guardrails with wood caps, and marble base and plinths. Original drawings indicate risers vary from 7 3/19” to 7 1/5” in height.

The two-story stairs vary in size and finish. The first floor to mezzanine stairs are constructed of steel and feature contempory carpeted treads, metal risers with metal nosings, wood handrails, and metal guardrails with wood caps. The jury and former library stairs are small in scale, measuring 2’-11” to 3’-0” in width. These stairs are constructed of steel and feature rubber tile treads and wood handrails.

The stairs are structurally sound and in good condition. They exhibit deterioration of finishes typical of a building of this age such as worn treads and handrail finishes. The handrails do meet current code requirements. These conditions are documented as Priority 5 requirements, affecting the appearance of the building.

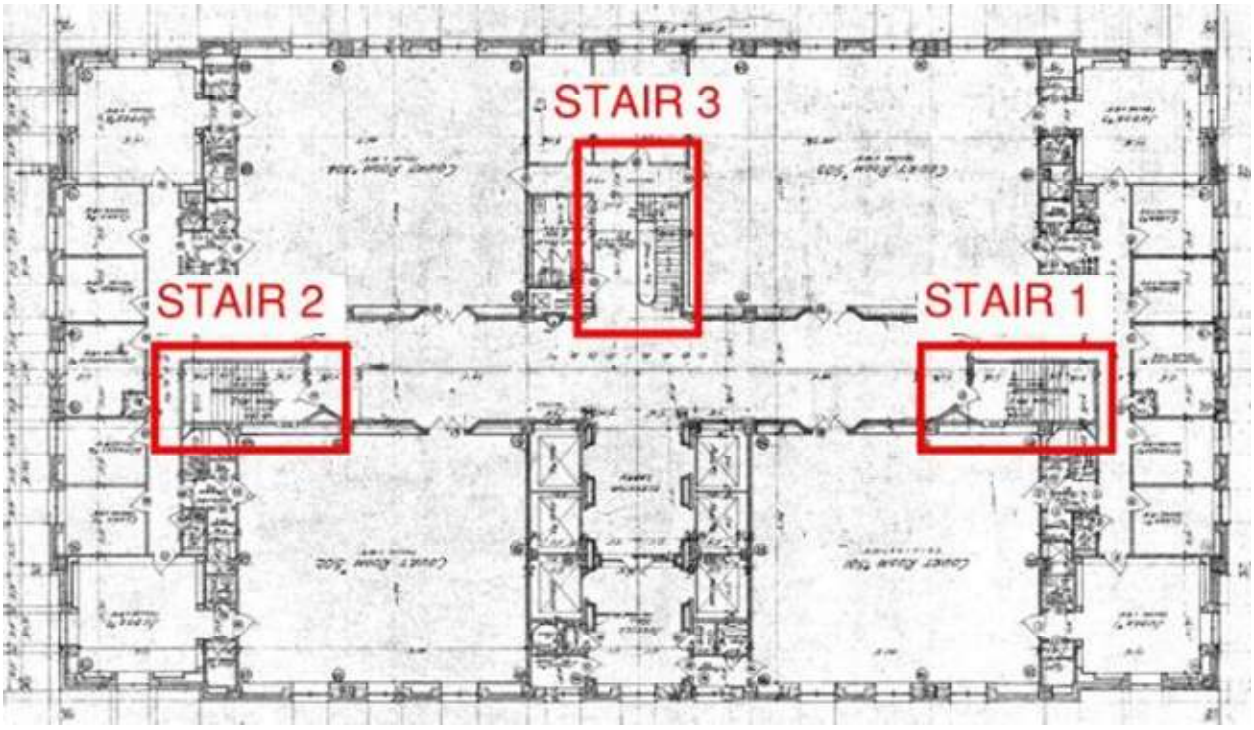


Image 68 – Typical floor plan (plan north is up).



Image 69 –Stair No. 1 (Stair No. 2 similar).

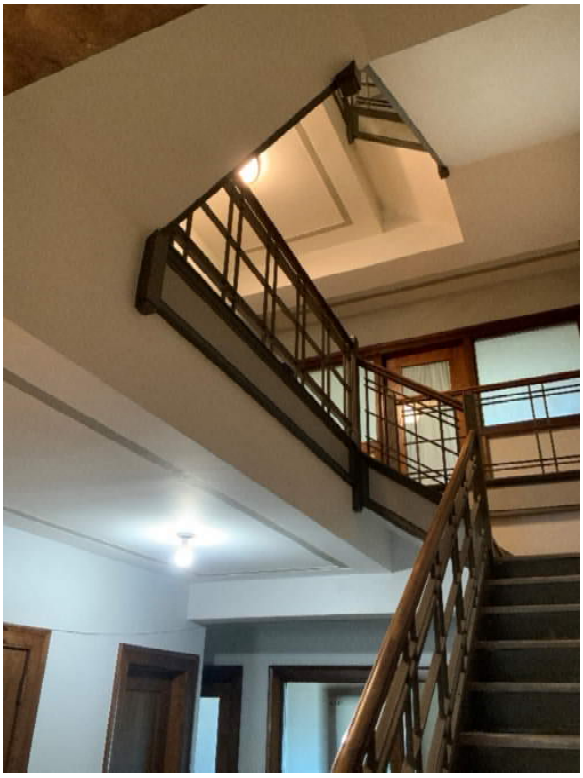


Image 70 – Stair No. 3.

C1020 – Interior Doors –Swinging Doors, Frames and Hardware (Wood, Bronze, Metal, Leather Clad)

The building features original wood, bronze, steel and leather-clad doors. Previous repair and alteration campaigns installed contemporary hollow metal doors and frames and solid-panel wood doors in varying configurations with hollow metal frames throughout the office spaces.

Overall, the doors are in good condition, exhibiting minor nicks, scratches and deteriorated finishes typical of a building of this age. Some of the doors have been retrofitted with ADA operating hardware in a design matching the historic hardware in material and style. These conditions are documented as Priority 5 and 6 requirements, which are conditions that are either appearance related or do not meet current codes/standards.

Wood Doors and Frames:

The original wood doors are constructed of solid hardwood with wood veneer. The doors are predominantly single panel with wood or glass inserts with wood frames, casings and plinths. The building features two styles of casings, documented on the original drawings and in the VFA Facility database as Type ‘A’ trim and Type ‘B’ trim. The Type ‘A’ trim features a higher level of detail with an additional casing on the outer edge. The wood doors and frames are in good to excellent condition, considering the age of the building. A few doors exhibit detached or missing veneer and deteriorated stained finish.



Image 71 – Typical historic wood paneled door/frame.



Image 72 – Typical contemporary wood door and hollow metal frame.

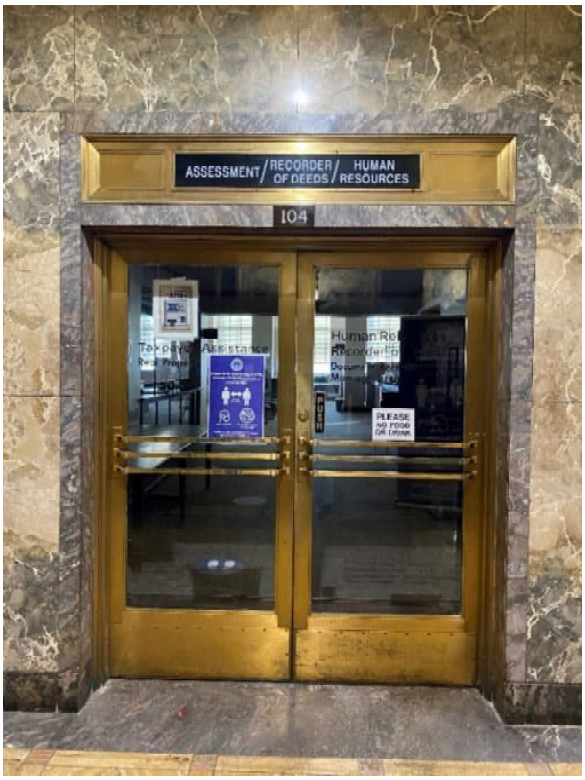


Image 73 – Historic bronze office doors off main lobby.



Image 74 – Historic bronze stair doors off main lobby.





Image 75 (Left) – Original bronze windows in the north passage at the first-floor mezzanine. This space is currently not accessible to the tenants as it is used as a mechanical and storage room. These windows were originally opened to provide ventilation to the first-floor lobby below. Image 76 (Right) – Wall of bronze transom windows.

Bronze Doors and Frames:

The first floor features the building's original interior bronze doors in the main foyer. Existing bronze doors include the pair of doors into each of the east, south and west wings, and the pair of doors entering Stairs No. 1 and No. 2. Bronze finished aluminum doors replaced the original bronze doors at the interior side of the main entrance vestibule. The elevators also feature the original bronze doors, with the doors on the first floor exhibiting the highest level of detail. The main lobby also features the original wall of bronze framed door transoms, spandrel sash and windows at the mezzanine level in good condition.

Steel Doors and Frames:

Stairs No. 1 and No. 2 feature metal doors and frames throughout all floors. The original drawings indicate many of the stair doors to have a fire rating. The upper level doors off the main corridors are also constructed of metal with metal frames. The metal doors feature a single panel with a profile matching that of the profile of the paneled wood doors. They are painted with a faux wood grain pattern which is of excellent quality. The metal doors are in good condition.

Leather-Clad Doors:

The historic courtrooms feature a pair of leather-clad entry doors with bronze studs. The doors have bronze kickplates, hinges, and pulls as well as an octagonal vision glass. The leather of the doors has discolored and the bronze studs are tarnished.

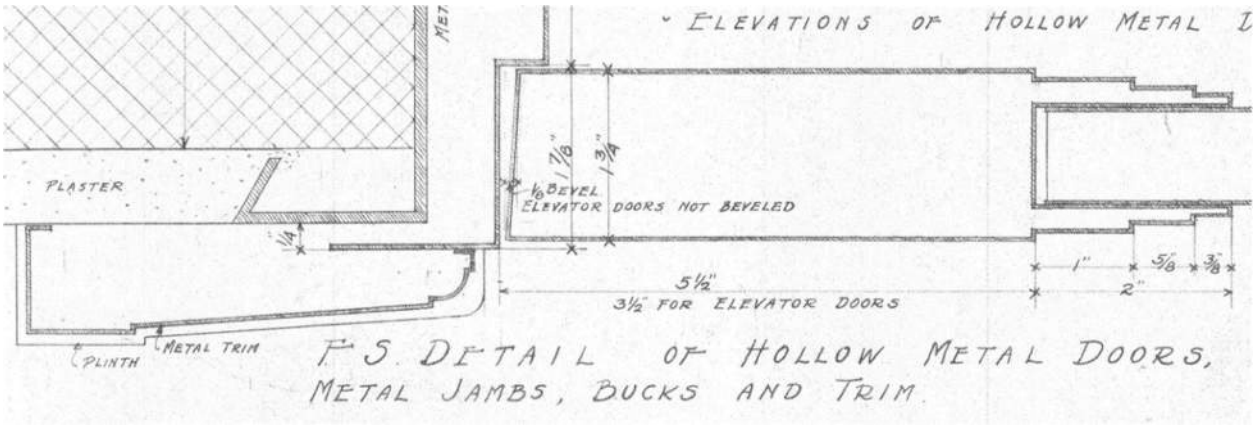


Image 77 – Detail of hollow metal doors (1933 Construction Documents, Sheet 190).



Image 78 – Steel stair doors.

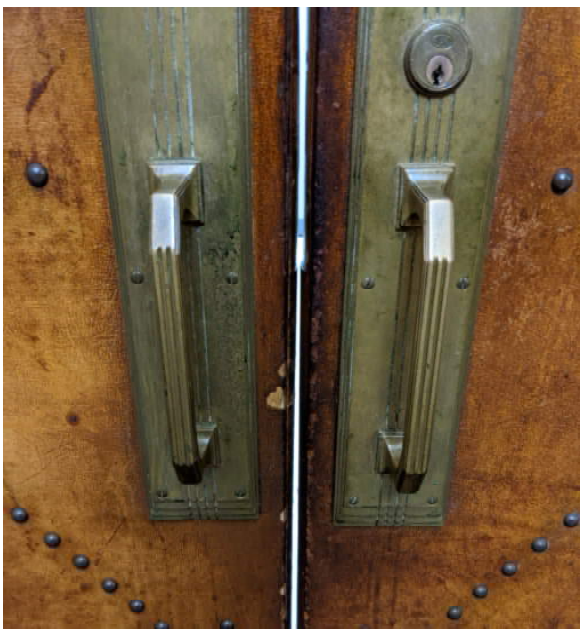


Image 79 – Leather-clad door with original hardware.

C2015 – Balcony Guardrails

The first floor mezzanines feature painted metal guardrails with stained wood caps and base trim. The newel posts are painted 3”x5” tubular steel posts. The guardrails are constructed of steel plate and channels with bar stock. A stained wood nosing extends around the perimeter of the two-story openings at the foot of the guardrails.

The guardrails are structurally sound and in good condition. Some of the woodwork has been painted the same color as the metal which loses the detail of the woodwork. The guardrails are 36” in height, which is 6” lower than the 42” height required by current code. The guardrails also have openings greater than 4” in diameter. These conditions are documented as Priority 5 and 6 requirements, which are conditions that are either appearance related or do not meet current codes/standards.

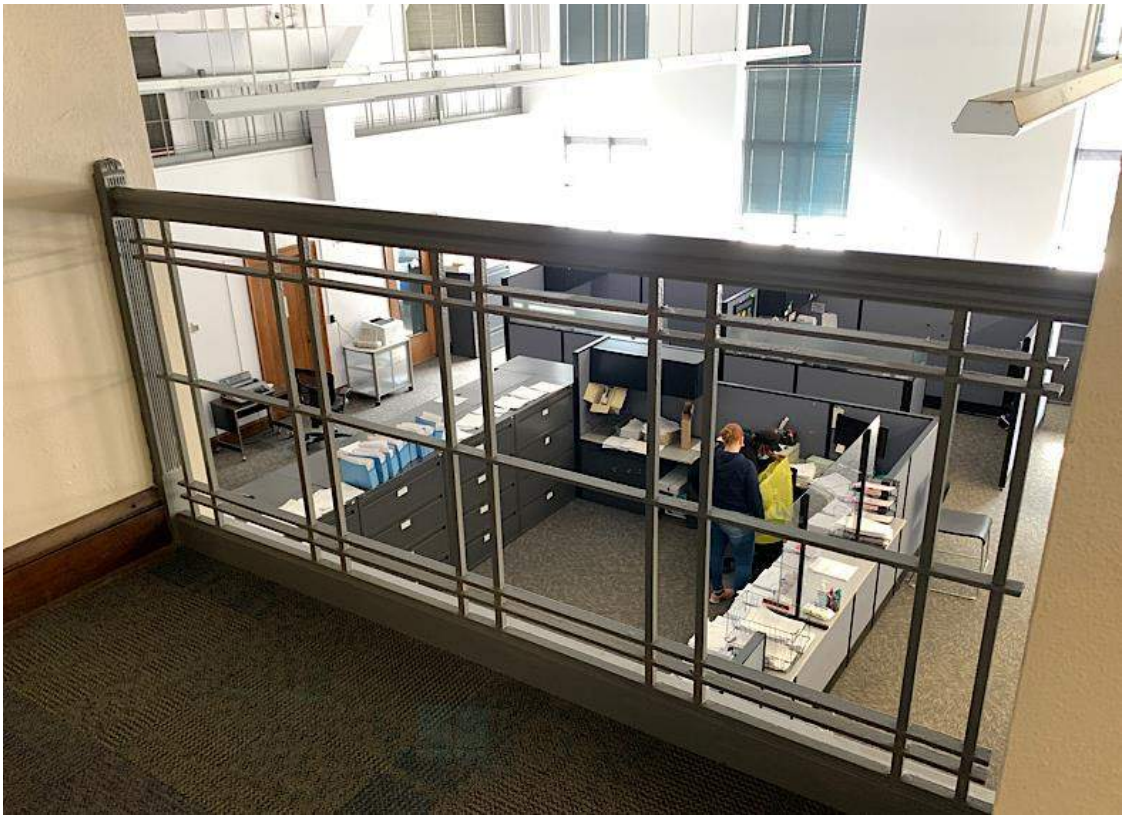


Image 80 – Typical first floor mezzanine balcony guardrail.

C3010/C3020 – Wall/Floor Finishes – Marble Flooring, Window Stools, Wainscot and Base

Marble of various types and provenances clads the walls throughout the main public lobbies and corridors of the building. Marble was used for the vestibule and main lobby flooring, door thresholds, window stools (sills) and base. The toilet rooms feature Napolean Gray marble, a Missouri marble, for the wainscot and toilet partitions. According to historic documents, nearly seventy percent of the marble in the building is from Missouri quarries. Marble was a typical finish utilized in public buildings of the Art Deco style for its rich aesthetic and durability. See the historic document on the following page which lists the types of marble and their location within the building.



The modern jail kitchen, with an ultimate feeding capacity of 1,000 meals a day. The big mixer in the foreground can mash a regiment's potatoes.

Yet even in the marble work the treatment is distinctly American—rather, Missourian—for nearly seventy per cent of the square-foot area of marble is from Missouri quarries.

The ground floor entrance vestibules give the visitor a distinctly local welcome, for here the walls are of Kacimo marble—polished native stone—with contrasting floors of Sienna Travertine marble, from Bavaria.

St. Genevieve Golden Vein marble, another Missouri contribution, forms the walls of the ground floor corridor, with the door trim and pilasters of French Gris Royale marble.

On the first floor: Vestibule walls are of Escalette marble from France, with the columns and base of Pyrenees black and white from Spain. In the main foyer, the walls are of Loredo Chiaro marble from Italy, the pilasters and piers of Famosa Violet from Mayence, Germany, the base and floor borders of Bois Jourdan from France and the main floor of Sienna Travertine.

St. Genevieve rose is the marble on the walls of the second floor corridor, with the pilasters of Famosa Violet. The same Missouri marble in Golden Vein forms the walls of the third floor corridor, with trim of Gris Royale. And, again, the St. Genevieve stone in rose shades is used for the walls of the fourth, fifth and sixth floor court corridors, with pilasters and trim of Famosa Violet and the base of the new Manzora marble from Arizona. The walls of the ninth and tenth floor court corridor are of St. Genevieve rose, with columns and trim of Red Altico from Spain, carved eagle decorations of the same marble and the base of French Rouge Antique from France.

All toilet rooms in the building are of Napoleon Gray, a Missouri marble.

The following conditions were documented for the interior stonework:

- Missing joint material
- Cracking
- Detachment
- Unit displacement
- Missing material
- Staining

The marble is in exceptional condition considering its public location and the age of the building. These conditions were documented primarily as Priority 5 requirements, affecting the appearance of the building. The marble in the poorest condition consists of cracked base (Portoro Marble), damaged toilet room wainscot and partitions due to previous repair and alteration campaigns (Napolean Grey Vein Marble), and cracked window stools (Pink Tennessee Marble). All of these marbles are readily available where replacement is required.



Image 81 – Contrasting colors of Sienna Travertine marble from Bavaria in main lobby.



Image 82 – Pyrenees black and white marble-clad column in main lobby, historic type C-5.

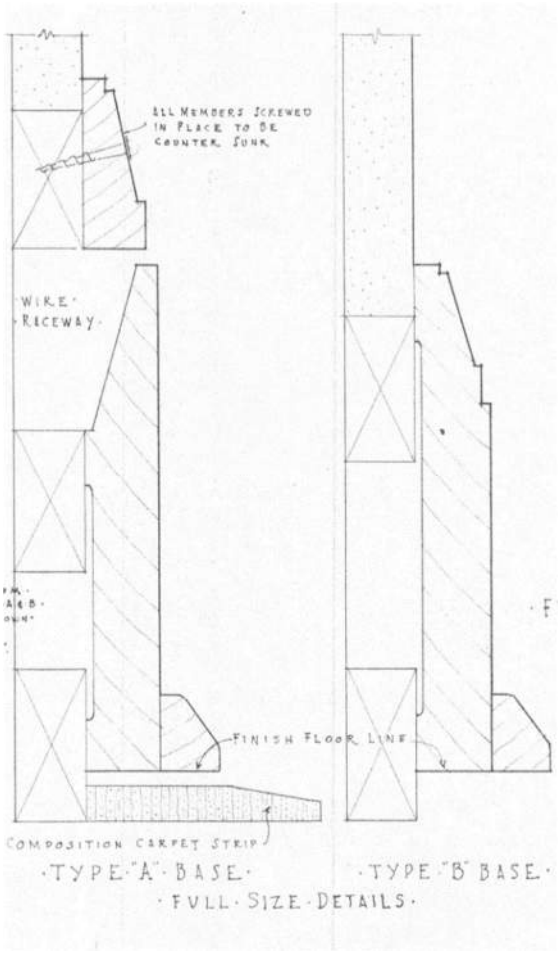
C3010/C3020 – Wall/Floor Finishes – Wood Wainscot, Picture Molding and Base

The building features decorative woodwork throughout the building in the form of paneled wainscot, picture molding, base and door casings. The door casings have been previously described; details are below. The paneled wainscot and trim are composed of black walnut and white oak with a dark stained finish. The following items and conditions were documented for the woodwork:

- Finish type and condition
- Nicks, cracks, voids, areas of missing woodwork
- Molding profile type

The woodwork is in good condition considering the age of the building. These conditions were documented primarily as Priority 5 requirements, affecting the appearance of the building.

The building features two styles of base, documented on the original drawings and in the VFA Facility database as Type ‘A’ base and Type ‘B’ base. The Type ‘A’ base features a higher level of detail with a space for a wire raceway and an additional trim piece screwed in place with counter sunk screws for ease of removal to access the wiring. The wood base is in fair to good condition and exhibits nicks, scratches and deteriorated stained finish.



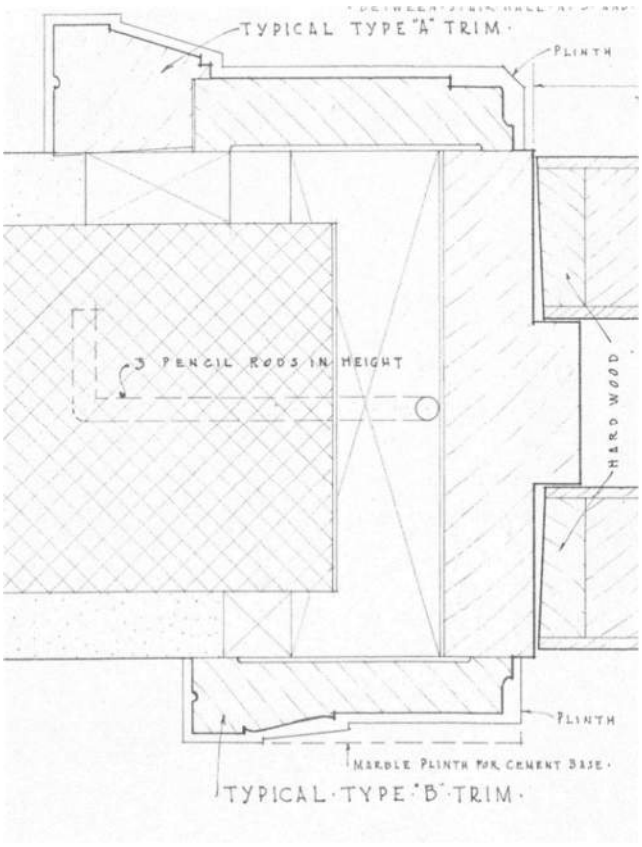


Image 83 and Image 84 – Type ‘A’ and ‘B’ wood base and door trim (1933 Construction Documents, Sheet 181.

C3010/C3030 – Wall/Ceiling Finishes – Flat, Running and Ornamental Plasterwork

The building features flat plasterwork at the walls and ceilings, running and ornamental ceiling cornices and ornamental ceilings. All plasterwork is three-coat plaster on metal lath. The ceiling plasterwork is hung from the concrete structure. Refer to the original drawings for the array of ornamental plaster detailing that exists throughout the building. The following items and conditions were documented for the plasterwork:

- Finish type
- Cracking
- Missing material or deterioration (topcoat to whole system)
- Molding profile type

The plasterwork is in excellent condition. These conditions were documented primarily as Priority 5 requirements, affecting the appearance of the building.

The ornamental plaster ceiling in the main lobby exhibits several linear cracks that should be addressed. Some cracks appear to be approaching a thickness of ¼" or more. Otherwise, the plasterwork, both flat and ornamental is in excellent condition. There were a few walls with vertical cracks, and a few ceilings with water damage likely due to the past flooding of the building.

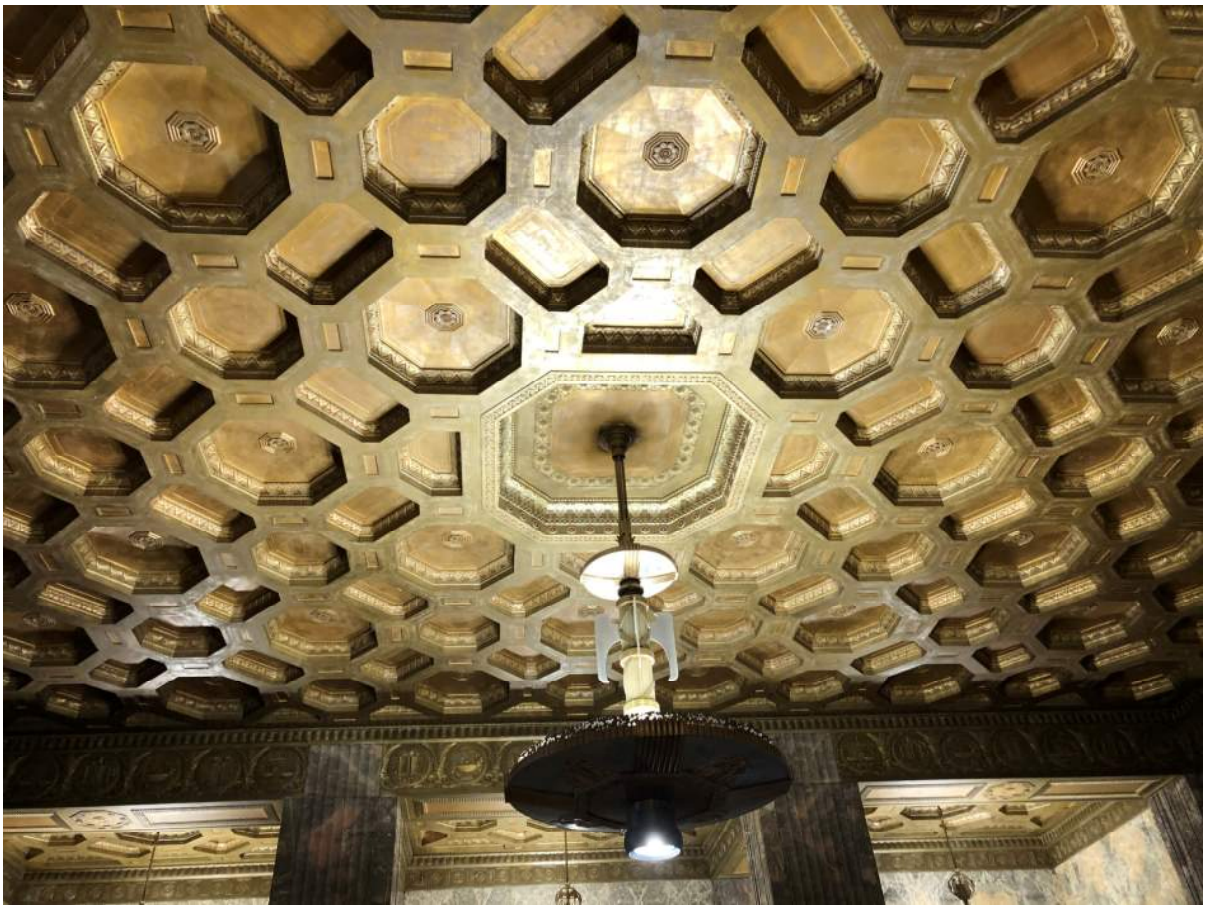
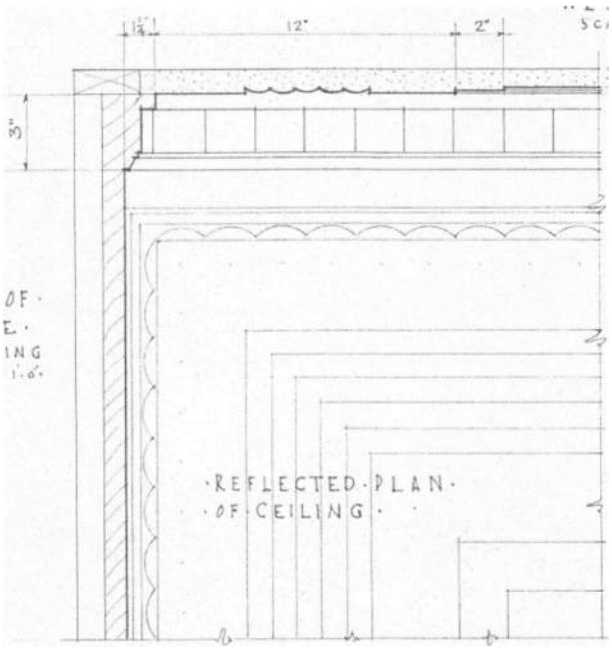


Image 85 – Ornamental plasterwork in main lobby.



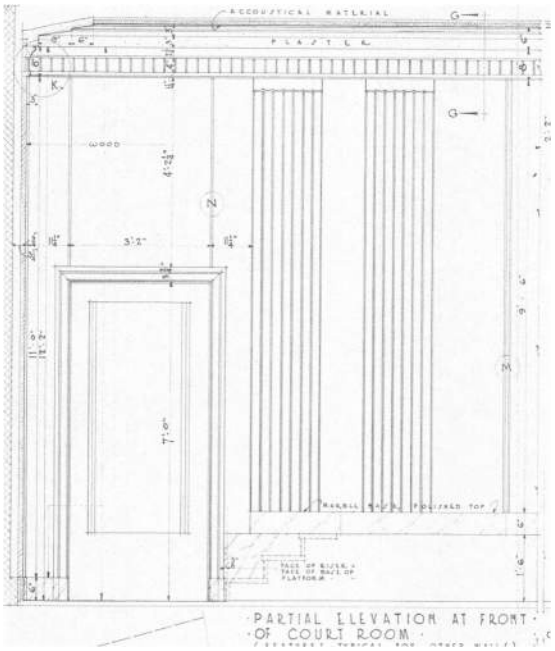


Image 86 (Left) – Detail of cornice and ceiling at fifth floor judges' chambers (1933 Construction Documents, Sheet 178).

Image 87 (Right) – Partial elevation of front of second floor court room (1933 Construction Documents, Sheet 177).

C3020 – Floor Finishes – Carpeting and Rubber Base

The building features various eras and types of carpet tile and rubber base due to the many previous repair and alteration campaigns. As a result, the carpet tile and rubber base varies in condition depending on the age of the installation. The condition of the carpeting and rubber base were documented as Priority 5 requirements, affecting the appearance of the building.

C3020 – Floor Finishes – Cast-In-Place Terrazzo

Cast-in-place terrazzo flooring is located at the County-level (ground, second and third floor) lobbies and main corridors and the toilet rooms throughout the building. Recent renovations to the fourth, fifth and sixth floors replaced the original linoleum flooring in the main lobbies and corridors with cast-in-place terrazzo. While terrazzo flooring is high-level durable finish, the installation of this level of finish at the upper levels doesn't meet the heirarchy of finish laid out by the original designers of the building. The condition of the terrazzo flooring was documented as Priority 5 requirements, affecting the appearance of the building.

The cast-in-place terrazzo at the main lobbies and corridors is in good condition. The cast-in-place terrazzo at the toilet rooms is in poor condition due to previous repairs and alterations and staining.



Image 88 – Typical terrazzo flooring in toilet rooms.

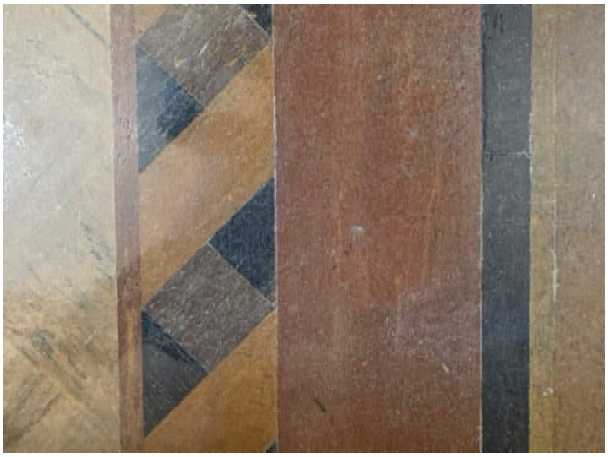


Image 89 – Patterned rubber tile floor in main corridor.

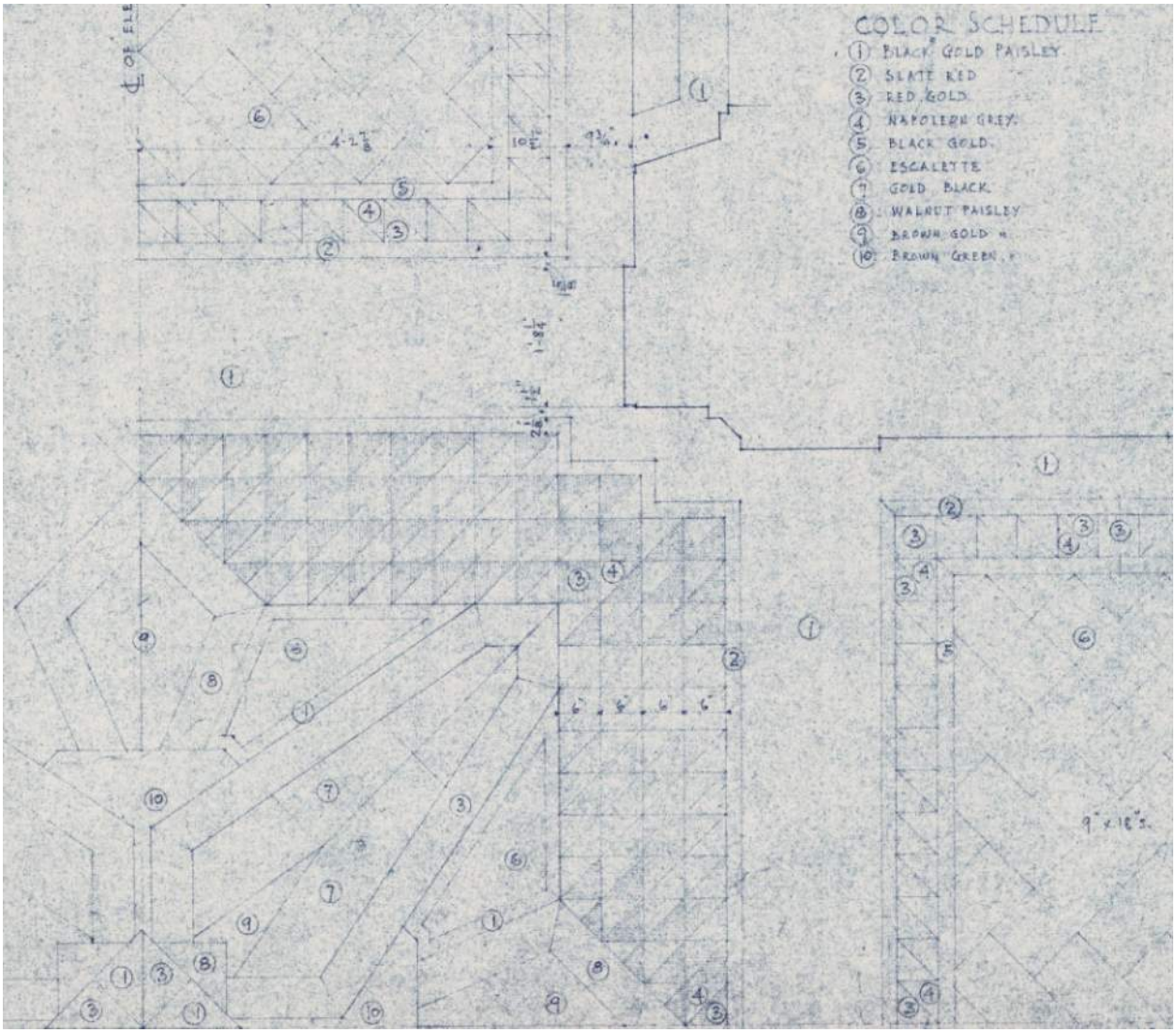


Image 90 – Rubber tile floor plan detail for 4th, 5th and 6th floor corridors (1933 Construction Documents, Sheet 219).

C3020 – Floor Finishes – Linoleum, Rubber Tile and VCT

The building features intricately patterned rubber tile flooring at the main lobbies, stair halls and court-level corridors, as well as linoleum flooring in the courtrooms and office spaces. While linoleum and rubber tile flooring do not hold the same value today as they did during their heyday in the early Twentieth Century, these finishes were utilized for their resiliency and low expense, as well as their ability to be laid in intricately cut patterns. These finishes are significant to the building and should be treated as such.

The following conditions were documented for the linoleum, rubber tile and VCT flooring:

- Staining
- Detachment, tears

C3020 – Casework – Courtroom Bench and Miscellaneous Wood Casework

The majority of the historic casework in the building resides in the courtrooms, and includes the judge's bench and partial height walls. Previous repair and alteration campaigns have constructed contemporary casework throughout. The casework is in good condition.



Image 91 – Typical contemporary casework at 3rd floor.



Image 92 – Courtroom bench and partial height walls.

C0000 – Specialties – Bronze Grilles, Floor Medallions, Mail Chutes and Signage Boards, Metal Screens and Gates

The building features several bronze specialties such as the mail chute which extends through all floors, the bronze floor medallion in the main lobby on the first floor, signage boards throughout, gates in the elevator lobbies, and metal screens that conceal the steam radiators at the ground and first floors. These elements are in excellent condition.



Image 93 – Typical bronze mail chute detail.



Image 94 – Bronze floor medallion at main lobby.

HVAC

D3010– Facility Fuel Systems

Heating and cooling is provided to the facility from district energy sources.

District chilled water is distributed to the building in the basement through a water to water heat exchanger. Chilled water pumps located in the basement provide chilled water to air handling units distributed on various floors throughout the building. There are 3 chilled water pumps, each sized to provide 985 GPM of chilled water flow to the air handling unit cooling coils. The pumps appear to be in good condition.

The building is served by a district steam system provided by a local steam utility company. The steam originates in the basement and is distributed up multiple risers throughout the perimeter of the building. The steam piping serves air handling unit heating coils as well as steam radiators that provide direct space heat around the building perimeter. A steam to hot water heat exchanger is provided on the 11th floor and heating water is distributed to VAV box reheat coils that serve that floor. The steam piping mains appear to be original to the building and have exceeded their life expectancy.



Image 95 – Steam to hot water heat exchanger.



Image 96 – Chilled water pump.



Image 97 – Air handling unit (AHU-12)



Image 98 – Typical steam radiator.

D3050 – Facility HVAC Distribution Systems

The buildng is served by 51 indoor air handling units. The units are a mix of single zone (SZ) and multi-duct multi-zone (MZ) units. Just under half of the units are cooling only. The majority of the air handling units were replaced in the 2006 and appear to be in good physical condition. The cooling only units are shut off in the winter when steam radiant heat is utilized. These units do not meet current code as they do not provide ventilation air to the occupants during the heating season. Preheat coils would need to be added to any cooling only units to allow them to operate and provide ventilation during the heating season without potentially freezing the units' cooling coils. Reference the schedule on the following page for existing equipment information.

Unit	Location	Unit Type	Airflow (CFM)
AHU 01	Ground	SZ	3,000
AHU 02	Ground	MZ	12,400
AHU 03	Ground	MZ	5,700
AHU 04	Ground	MZ	6,000
AHU 05	1M	SZ	3,700
AHU 06	1M	MZ	17,500
AHU 07	1M	MZ	18,000
AHU 08	1M	MZ	11,000
AHU 09	2	MZ	6,200
AHU 10	3M	MZ	6,200
AHU 11	2	MZ	6,200
AHU 12	1M	MZ	18,000
AHU 13	3	MZ	12,700
AHU 14	3	MZ	5,000
AHU 15	3M	SZ	5,500
AHU 16	4	MZ	3,100
AHU 17	4M	SZ	4,200
AHU 18	4M	SZ	8,200
AHU 19	4M	MZ	3,500
AHU 20	4M	MZ	7,600
AHU 21	3M	SZ	2,400
AHU 22	5M	SZ	3,400
AHU 23	5M	SZ	4,000
AHU 24	5M	SZ	4,200
AHU 25	5M	SZ	4,100
AHU 26	5M	SZ	4,000
AHU 27	5M	SZ	5,700
AHU 28	6M	SZ	3,800
AHU 29	6M	SZ	4,100
AHU 30	6M	SZ	4,100
AHU 31	6M	SZ	4,100
AHU 32	6M	SZ	4,800
AHU 33	6M	SZ	4,800
AHU 34	7M	SZ	4,500
AHU 35	7M	SZ	2,500
AHU 36	7M	SZ	2,500
AHU 37	7M	SZ	2,500
AHU 38	7M	SZ	2,500
AHU 39	7M	SZ	2,500
AHU 40	7M	SZ	2,500
AHU 41	7M	SZ	2,500
AHU 42	8M	SZ	7,500
AHU 43	8M	SZ	8.000
AHU 44	8M	MZ	24,500
AHU 45	9	MZ	10,500
AHU 46	9	MZ	8,000
AHU 47	10M	MZ	5,500
AHU 48	10M	MZ	7,300
AHU 49	10	MZ	5,500
AHU 55	15	MZ	20,100
AHU 56	11	MZ	13,000

The majority of the building is heated by steam radiators distributed around the perimeter of the building. The majority of the steam radiators were in fair working condition.

The chilled water piping originates in the basement and has 4 risers that extend up the building. The first riser distibutes chilled water to the air handling units on the ground level to the second floor. The second riser distributes chilled water up to the tenth floor and serves air handling units located on on the third floor, third floor mezzanine, ninth floor, and tenth floor. The second riser is also connected to the expansion tank located on the eleventh floor of the building. The third riser extends up to the eleventh floor and serves air handling units located on the fourth floor, fifth floor mezzanaine, sixth floor mezzanine, seventh floor mezzanine, eighth floor, eighth floor mezzanine, ninth floor, tenth floor, and eleventh floor. The fourth riser extends to the third floor mezzanine. At the thrid floor mezzanine it distributes to five additional risers that extend to serve air handling units located on the fourth floor, fourth floor mezzanine, fifth floor mezzanine, sixth floor mezzanine, seventh floor mezzanine, and eighth floor. There is a connection from this riser on the third floor mezzanine the extends up to the expansion tank on the eleventh floor. See the riser diagram on the following page for chilled water routing from the 2006 air handling unit replacement project. The chilled water piping is in poor condition and needs to be replaced as soon as possible. Replacement of portions of existing piping that has failed is currently ongoing.

Ductwork that was able to be observed and is operational appeared to be in good working condition.

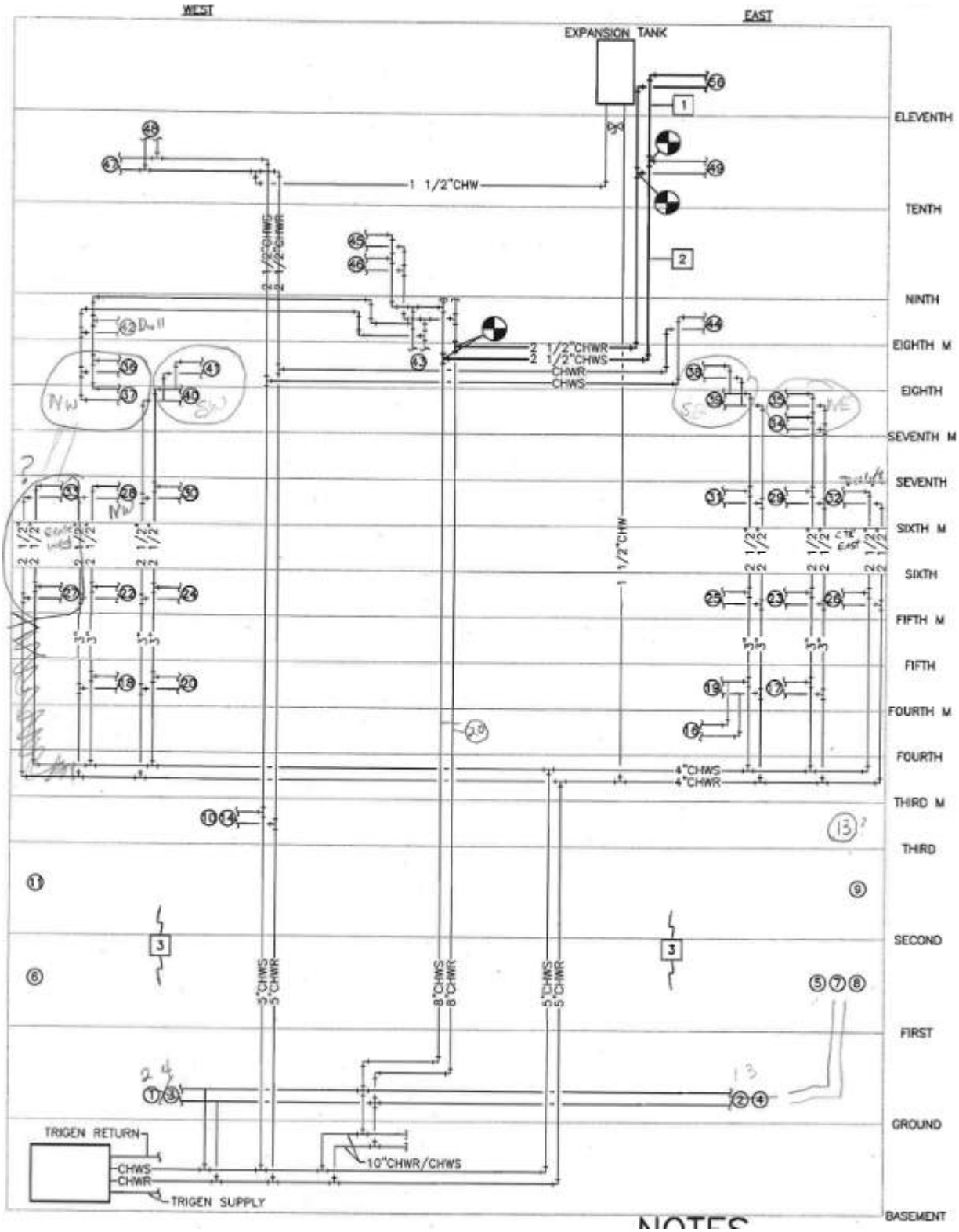


Image 99 – Chilled water riser diagram.

D3060 – Controls and Instrumentation

The building is controlled by a mix of pnuematic, electric, and digital controls. Steam radiators are controlled by manual controls or dedicated line voltage thermostats.

D3070 – Special Purpose HVAC Systems

General Exhaust Fans

There are four utility set exhaust fans located on the third floor mezzanine. These exhaust fans serve the general exhaust for the building's public and private restrooms. Each exhaust fan serves a different quadrant of the building and are labeled for the quadrant they serve. EF-NW provides 8,000 CFM of exhaust. EF-SW provides 7,200 CFM of exhaust. EF-NE provides 14,000 CFM of exhaust. EF-SE provides 8,700 CFM of exhaust. All four fans were replaced in 2006 and appeared to be in good working condition.



Image 100 - Stairwell supply fan.



Image 101 - Exhaust fan (EF-NW).

Stairwell Supply Fans

There are two utility set supply fans located on the third floor mezzanine that provide raw supply air to the stairwells. Supply ductwork is extended from exterior wall louvers located on the third floor mezzanine through the fans to wall mounted grilles located in the stairwell the fan serves. The east stairwell supply fan provides 5,400 CFM of supply air and the west stairwell supply fan provides 6,400 CFM of supply air. These fans do not provide the proper amount of supply air to pressurize the stairwell. These fans should be removed and replaced with a proper stairwell pressurization system.

Electrical

The building electrical supply is via medium voltage source from the utility. Medium voltage is distributed via 3 Unit Sub-Stations (USS) with two located at the basement level and one located on the fifteenth floor. Power is transformed to 208V and distributed through the building via Bus Ducts from one of the basement USS and the fifteenth floor USS to distribution equipment on each floor. The second USS located in the basement level provides 480V distribution where required. Panels are scattered throughout the floors and are not consistent floor to floor. Emergency distribution is provided by a single 480-volt emergency generator set through a distribution panel to the fire pump controller with integrated ATS and Building ATS.

Normal Power Supply System (NPSS)

Building normal power supply is via the utility provided power from Evergy power.

D5011 – Medium Voltage Switchgear

Medium voltage primary distribution is via a 4 way switch purchased in 2019 and utilized as a temporary switch during the eletrical system renovation. This switch is currently in like new condition and is mounted in such a manner as to be resistant to water infiltration into the building.





Image 102 - Electrical Service Entrance Switch mounted on elevated stand in lower basement level. Top lugs are 15kV output to medium voltage switchgear

Image 103 - 15kV Service Switch feeding the unit sub-stations mounted on housekeeping pad in basement mezzanine electrical room.

The medium Voltage 15KV class distribution switchgear located in the basement mezzanine electrical room was placed into service in late 2020 is in like new condition. This equipment feeds the three (3) Unit Sub-Stations that distribute low voltage power throughout the building.

The raised mezzanine level will protect the equipment from water infiltration.

D5012 – Normal Power Distribution

Low voltage normal power distribution for the facility begins on the basement level with Unit Sub-Stations MSB2 (15kV:208/120V) and MSB1 (15kV:480/277V) as well and on the fifteenth floor is unit MSB3 (15kV:208/120V). MSB2 and MSB3 power individual pieces of mechanical equipment but specifically power vertical bus duct for 208/120V distribution. Each floor is provided with a central core distribution panel that is connected to either the upper or lower bus depending on location. As power requirements have grown over the decades, additional panels have been added to the system and tapped directly to the bus or tapped to the main lugs on the distribution panels.





Image 104 (Left) - MSB1 15kV:480/277V Sub-Station mounted on housekeeping pad in mezzanine level electrical room.

Image 105 (Right) - MSB2 15kV:208/120V Sub-Station mounted on housekeeping pad in basement mezzanine level electrical room.

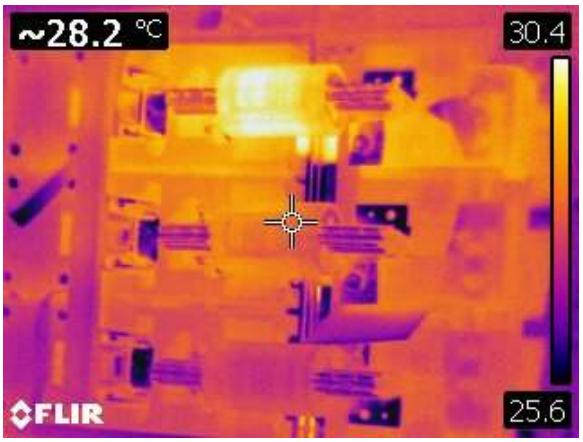




Image 106(Left) - Flir image showing unbalanced load in fifth floor MDP, typical in multiple locations.

Image 107 (Right) - Flir image showing potential poor mechanical connection, typical multiple locations.

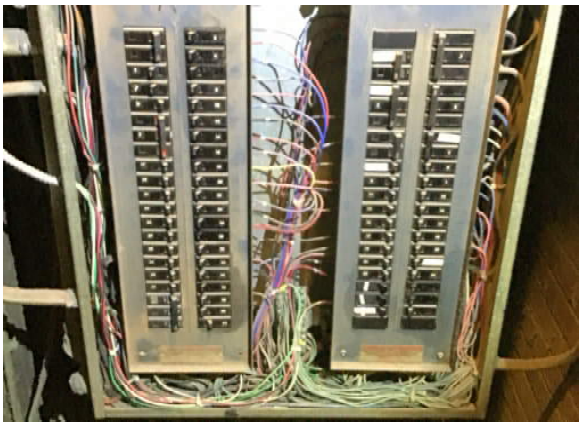




Image 108 - MDP-G on ground floor, typical multiple levels. *Image 109 - Bus duct connection, typical.*

The first floor has had new panels added that were not connected to the existing vertical bus system. These panels are in the area being renovated into the jury selection area and are in good condition but require attention to the grounding systems.

End user panels connected to the distribution panels are generally in fair to good condition but most all panels have thermographic evidence of poor connections and excessive debris in the panels.

Branch circuit distribution is typically achieved with surface mounted raceway. Testing of individual receptacles show that they are typically wired correctly.

D5012 – Normal Power Distribution Detention Levels

The detention levels corridors generally have T12 lighting above the steel grid. Lighting inside the jail cells is typically incandescent fixtures.

Branch wiring device circuits are sparing in the jail cell areas and heavier in office and corrections officer areas.

D5040 – Lighting Systems

The lighting systems, although with very outdated lamping technology, are typically in fair to good condition in occupied areas with storage and mechanical rooms having typically incandescent or T12 fluorescent lighting. Non-public areas have predominently T12 fluorescent fixtures or T12 converted to early generation T8. Public areas that have been remodeled have later generation T8 with some original fixtures converted to LED. Most light switching has been converted to individual digital timer controls with central area lighting still being locally controlled.



Image 110 - Typical back of house fluorescent lighting. Standard is T12 with partial conversion to T8. Only newly remodeled areas have LED



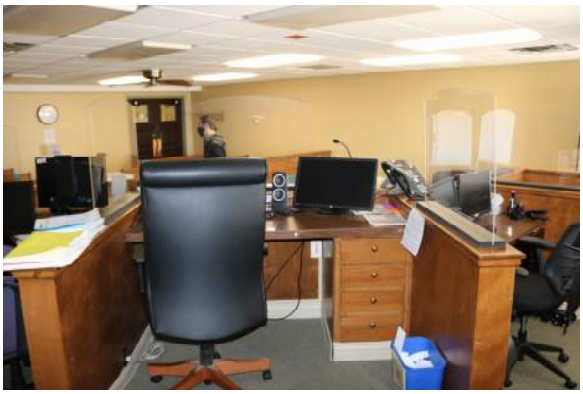


Image 111 - Elevator Lobby lighting, typical of all floors except 2-6.

Public corridors are typically lit with linear fluorscent lighting and augmented with historical decorative lighting. Renovated floors have had the corridor lighting retrofitted with LED drivers and COBs to maintain the historic look. The west court room lighting includes the use of can lights for accent lights over the bench area with decorative lighting. Controls for the west court rooms are located in the back of house area and are accessible to the judges and court officials only. Dimming is available. Smaller court rooms are typically have surface mounted linear fluorescent with non-occupancy sensor controls placed in the back of house.

The exterior lighting systems for the building are generally metal halide for parking lots and wall packs.

The rooftop flag pole lighting is 1000 W metal halide fixtures.

Emergency Power Supply System (EPSS)

The emergency power supply system consists of one generator mounted in the parking garage area with distribution to the fire pump, elevators and emergency lighting panel.

D5092 Emergency Generator

The emergency generator for the building is approximately 28 years old and is a 275KW, 480V, 3p, 3w, 400 amp rated generator installed in the parking garage on a structural pad. Diesel fuel is provided to the generator through a between rail belly tank system. The generator has intake air for cooling and combustion via a louver to the outside through the east wall of the facility and exhaust piped up and out of the facility. The system is reported to be operating properly.



Image 112 - Emergency generator control panel.



Image 113 - Emergency generator skid.



Image 114 - Emergency distribution panel.



Image 115 Emergency lighting panel.

D5012 Emergency Lighting Panel

The building emergency power distribution panel is located in a room off of the garage area and is approximately 46 years old 208/120V, 3p, 4w, 200a, MCB panel. The feed for the panel is routed through 480V, 100A, 3p, 3w ATS-ELP (3 years old) located near the emergency power generator through 30KVA, 480:208/120V transformer ELP. The emergency power panel feeds all life safety lighting, fire alarm, stair pressurization, emergency receptacles and miscellaneous circuits.

D5012 DP15A Elevator Emergency Power

The elevator emergency power distribution panel is powered on normal power by a 400A feed from the MSB3 at 208/120V, 3p, 4w and connected to the source one lugs of the DP15 ATS. The 200A, 480V, 3p, 3w emergency power feed is from the emergency distribution panel located in the parking garage and connects through transformer DP15 and routed through DP15 ATS.

D5012 Fire Pump

The building fire pump is fed from a 480 volt normal power feed taken from Unit Sub-Station MSB1 tapped before the main disconnect in accordance with NEC. The emergency source of power is from the EDP located in the parking garage above. The fire pump control panel is a packaged unit and was installed in approximately mid-2020 and is in like new condition.



Image 116 - Elevator ATS image.



Image 117 - Fire pump controller

Plumbing

D2010 Plumbing Fixtures

Plumbing fixtures utilized within the public access restrooms are comprised generally of floor-mounted water closets (flush valve), wall mounted lavatories, and floor mounted urinals. The flush valves are primarily sensor operated, and vary widely in age. It appears that the facility has standardized the manufacturer and model of new sensor operated flush valves, with approximately 40% of the water closet valves being relatively new and consistent. This practice is beneficial for keeping maintenance activities consistent and a spare parts inventory.

Many of the lavatories within the restrooms are wall hung and are primarily manually operated. The lavatories are in fair condition and generally match the associated water closet in age and condition. At the time of the survey, it appeared the facility had standardized the use of consistent faucets at each lavatory.

The majority of the urinals within the facility are floor mounted full height urinals, and in fair condition. The flush valves associated with these fixtures are primarily sensor operated. Similar to the water closets, it appears that the facility has standardized the use of consistent flush valves during replacement, with approximately 15% of valves being newer and consistent.

Break room sinks throughout the facility are primarily standard counter mounted stainless steel sinks with manual faucets. The sinks vary in age and condition between poor and good.

Several judges chambers consist of manually operated flush valve style water closets, with pedestal mounted lavatories with manual operation for both. As part of a recent remediation project, many of these fixtures are new from the fourth to the sixth floors.



Image 118 – Typical jury restroom water closet (new).



Image 119 - Typical judge's restroom fixtures (new).



Image 120 - Typical breakroom sink (new).



Image 121 - Typical public access water closet.



Image 122 - Typical public access urinal.



Image 123 - Typical public access lavatory.

D2020 Domestic Water Distribution

The facility is served by a single 6” domestic water service entrance located in the southwest corner of the basement area. The domestic water service entrance is comprised of a backflow prevention device and all necessary valves, etc. The entrance equipment is relatively new, replaced in the last two years and is in good condition.

The domestic water distribution is broken into two different distribution systems to separate the pressures necessary for the building. The domestic water service “street” pressure is utilized to serve the basement

through 3M floors to allow for proper plumbing fixture operation. The fourth floor through the fifteenth floor floors are served by a domestic water booster pump to distribute elevated pressure to the upper floors. Several of the initial floors served from the booster pump are provided with a pressure reducing station to protect the downstream fixtures from being overpressurized.

Domestic cold, hot, and hot water circulation is distributed throughout the building in five separate vertical risers, to reduce the branch piping sizes and lengths necessary to serve each invidividual floor's fixtures.

Overall, many of the distribution networks of the plumbing system are in poor condition. Much of the observable vertical distribution is constructed of galvanized piping installed as part of a 1982 renovation, with copper branch piping routed to each floor's fixtures. Galvanized piping is no longer used in plumbing distribution systems, given its susceptibility to corrosion from exposure to water.



Image 124 - Upper floor domestic water riser connection.

D2023 Domestic Water Equipment

The domestic water equipment is comprised of the aforementioned domestic water booster pump, and steam-fired domestic water heaters. Both pieces of equipment are located within the basement level.

The domestic water booster pump is a triplex pump consisting of (3) individual pumps with an integral control panel, installed within the past three years. The system is in good condition and operates to maintain pressure to the upper floors of the facility.

The domestic water heaters consists of (2) shell and tube heat exchangers with integral controllers. The water heaters utilize the building's steam system as a heat source, and generates domestic hot water in a semi-instantaneous manner. The controllers are set to deliver a 120 degrees Fahrenheit water to be delivered to fixtures throughout the building. The system was installed within the last five years and appears to be in good working condition.

Two domestic water storage tanks exist within the fourteenth floor, and have been valved off and abandoned in place.

D2030 Sanitary Waste

The sanitary waste and vent piping is constructed primarily of cast iron and galvanized for vertical risers with various portions of the system being PVC where modifications and/or repairs have been made. Much like the domestic water system, there are (5) vertical risers in the building, with branches on each floor to serve individual fixtures. The system appears to be in poor condition, with several areas observed to have vent line connections separated from the riser connection point. Presence of sewer gases and buildup within the system has the ability to reduce the life-cycle of the piping.



Image 125 - Domestic water service entrance.



Image 126 - Domestic water booster pump.



Image 127 - Domestic water heater.

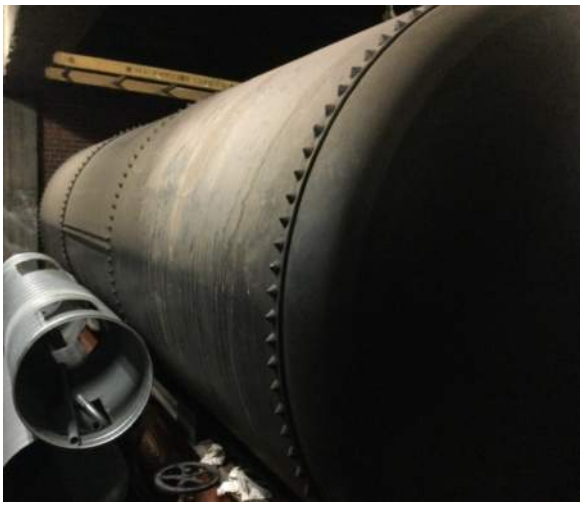


Image 128 - Abandoned domestic water storage tanks.



Image 129 - Sanitary waste piping.



Image 130 - Sanitary waste and vent risers.

D2040 Rainwater Drainage

The rain water drainage system consists of roof drains accepting rain water on roof surfaces, with gravity cast iron piping routed to risers which exit the building at the basement levels. The roof drainage risers accept drainage from additional roof drains on lower roofs, as the floor plate of the building adjusts in the tiered fashion. The roof drain bodies and drains are in relatively fair condition, while a majority of the piping is in poor condition. During the survey, it was noted that leaks occur in the roof drainage system in the lower levels, suggesting piping failures.

Fire Protection

Fire Alarm

D7050 – Detection and Alarm

The fire alarm system is a manual system with emergency voice/alarm communication. The existing fire alarm control panel is a Gamewell FCI S3 Series, located in a dedicated room at the Ground Level.



Image 131 – Fire alarm control panel and emergency voice/alarm communication system.

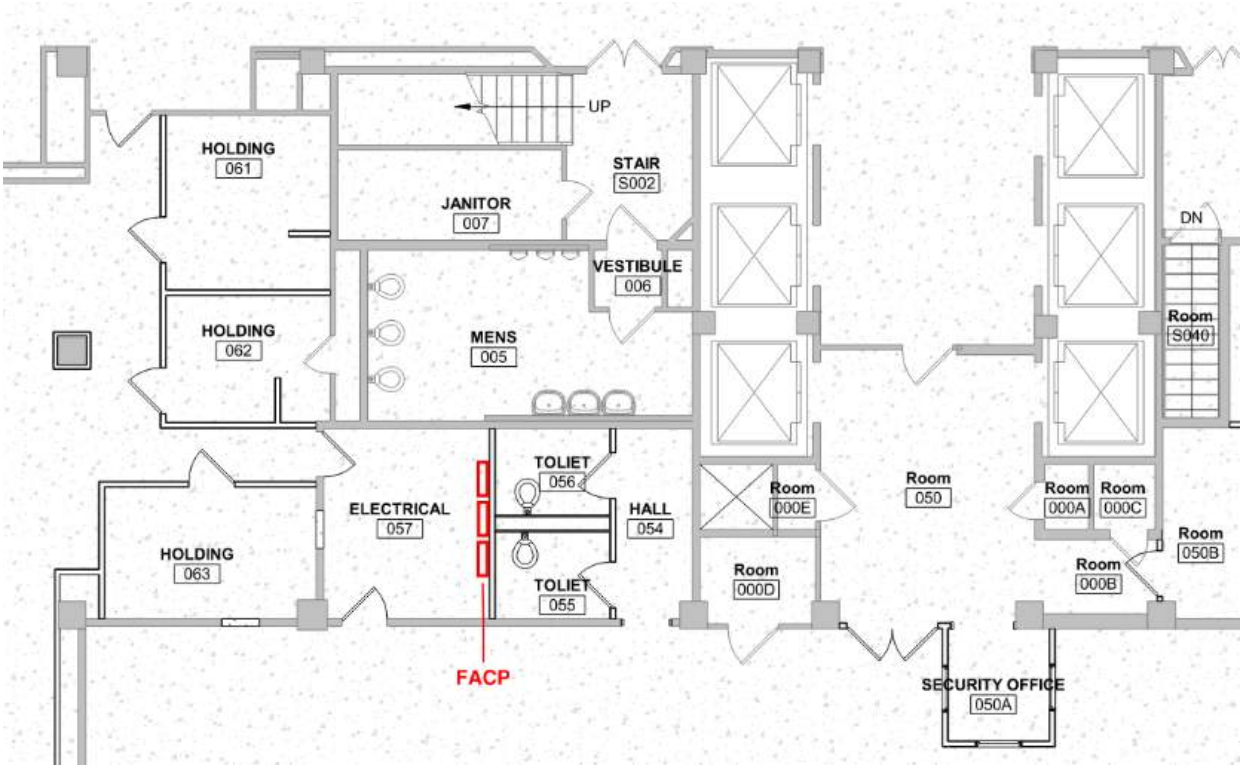


Image 132 – Existing FACP located at the ground floor in Electrical 057.

As previously indicated in the code analysis, a fire command center is required for high-rise buildings. The ground floor electrical room where the existing fire alarm control panel is located does not meet the prescriptive requirements for a fire command center.

A command center is required to be separated from the remainder of the building by minimum 1-hour rated fire barriers (IBC 911.1.2) and is also required to be a minimum of 200 ft^2 in size (IBC 911.1.3). Additional required features include an elevator status annunciator, status indicators and controls for air distribution systems, controls for unlocking stairway doors, emergency and standby power status indicators, generator supervision and manual start, elevator fire recall switch, elevator emergency power selector switch, a telephone for fire department use, schematic building plans, and a work table (IBC 911.1.5).

In addition to the ground floor fire alarm control panel, an existing sub panel is installed in the elevator equipment room on the fifteenth floor. The panel is a Gamewell FCI S3 Series and is understood to have been provided to serve smoke and heat detectors installed in the elevator equipment room for elevator recall. The panel is not networked with the main fire alarm control panel, but it is supervised by the building fire alarm system for alarm, trouble, and supervisory conditions.



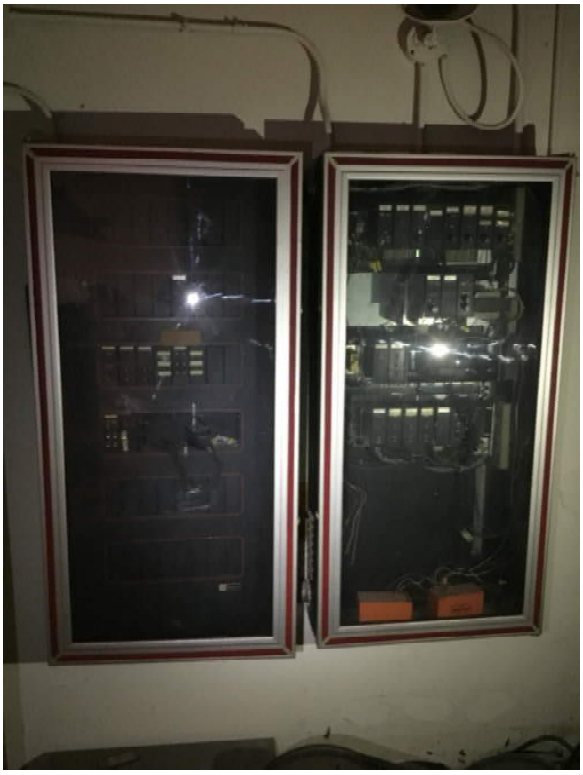


Image 133 (Left) – Existing sub panel located in elevator equipment room on fifteenth floor. Image 134 (Right) – Existing simplex panel abandoned in place.

The fire alarm control units were installed within the last year and are understood to be in good condition; however, part of the control equipment and most of the field devices and appliances are left in place from the previous fire alarm system installation. The age of the existing equipment and devices that were left in place is unknown but is believed to be more than fifteen years.

The upper floors of the building, where the old jail is located, were once served by a separate Simplex fire alarm system. The devices on that system were moved to the building fire alarm system in the 1980's and the control equipment was abandoned in place. An old Simplex fire alarm control panel still exists on the eleventh floor of the building.

Manual pull stations are provided at each building exit. Automatic detection is provided in each elevator machine room and elevator lobby for initiation of emergency recall and shutdown. Smoke detectors are provided in each mechanical room with fan powered air handling equipment and throughout the basement areas. Duct detectors are provided at all air handling units that exceed 2,000 cfm in design capacity.

The fire alarm initiating devices are understood to be tested annually, as required by code, and are understood to be properly functioning.

Visible and audible notification appliances (speaker/strobes) are provided in all floor lobbies and at stair landings; however, only speaker appliances are provided in areas outside of the lobbies. Visible notification is not provided for all public and common use areas.



Image 135 – Manual pull station at exit.



Image 136 – Duct detector on AHU.



Image 137 – Speaker/strobe in lobby.



Image 138 – Speaker/strobe in stair.

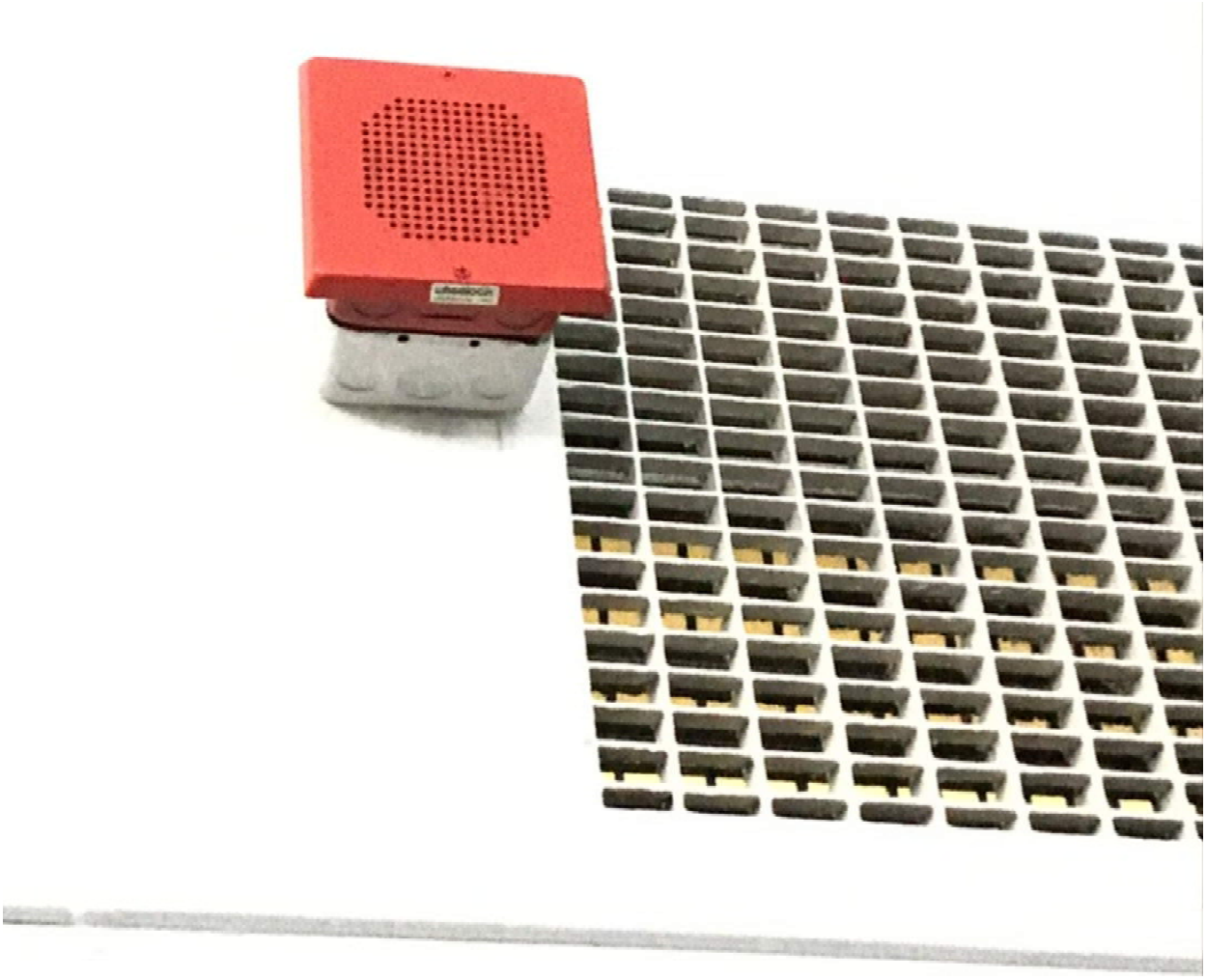


Image 139 – Speaker in common use area.

Similar to the fire alarm initiating devices, the fire alarm notification appliances are required to be tested annually; however, recent annual testing has indicated that the audible notification is not currently functioning. It is not known if the current impairment is limited to the control equipment or if notification appliances in the field require replacement as well.

Overall, the fire alarm system is in poor condition. The control panels are new and may be reused, but the age of the field devices and appliances will likely lead to additional impairments in the future, if not replaced.

Fire Suppression

D4020 – Standpipes

Automatic standpipes are provided, as required for a high-rise building. A Class III automatic standpipe (supplies both 1.5-inch and 2.5-inch hose connections) is provided in the west stairway. The existing Class III vertical riser is 6-inch in diameter. A Class II automatic standpipe (supplies only 1.5 inch hose connections) is provided in the east stairway. The existing Class II vertical riser is 3-inch in diameter.

The existing vertical standpipe risers are concealed within the building construction. Most of the hose connections are located in recessed cabinets, as pictured below. Some existing Class I hose connections (supplied by the 6-inch Class III standpipe) are exposed within the west stairway.

Where Class II (1.5-inch) hose connections exist, the fire hose has been removed from the cabinets. A Class II hose connection is only to be used by trained building occupants and is not required in a fully sprinklered building.







Image 140 (Left) – Class III hose connections. Image 141 (Middle) – Class II hose connection. Image 142 (Right) – Exposed Class I hose connection in stair.



Image 143 – Existing booster fire pump.



Image 144 – Existing fire pump controller.

An existing fire pump, rated for 750 gpm at 112 psi, is provided to supply 500 gpm at 65 psi to the hydraulically most remote hose connection. The fire pump was replaced in approximately 2019 and is in good condition. The fire pump controller, also replaced in approximately 2019, includes an automatic transfer switch to shift to emergency power upon loss of primary power.

The fire pump and controller are located in Pump Room B123 at the basement level. The pump room does not meet current code requirements. A fire pump room is required to be separated from the remainder of the building with not less than 2-hour fire-rated construction. The fire pump may share the room with domestic water equipment; however, no other storage or utilities are permitted (unless directly serving the pump room). The currently adopted code (2009 IBC and 2007 NFPA 20) requires the location of the pump room to be pre-planned with the fire department but does not require it to be directly accessed from the exterior. As of the 2012 IBC (2010 NFPA 20), direct exterior access is required unless a 2-hour rated passageway is provided from the pump room to the exterior. Since the fire pump is located in the basement, direct exterior access is not feasible. A 2-hour rated passageway could be provided but this is currenlty not required by code.

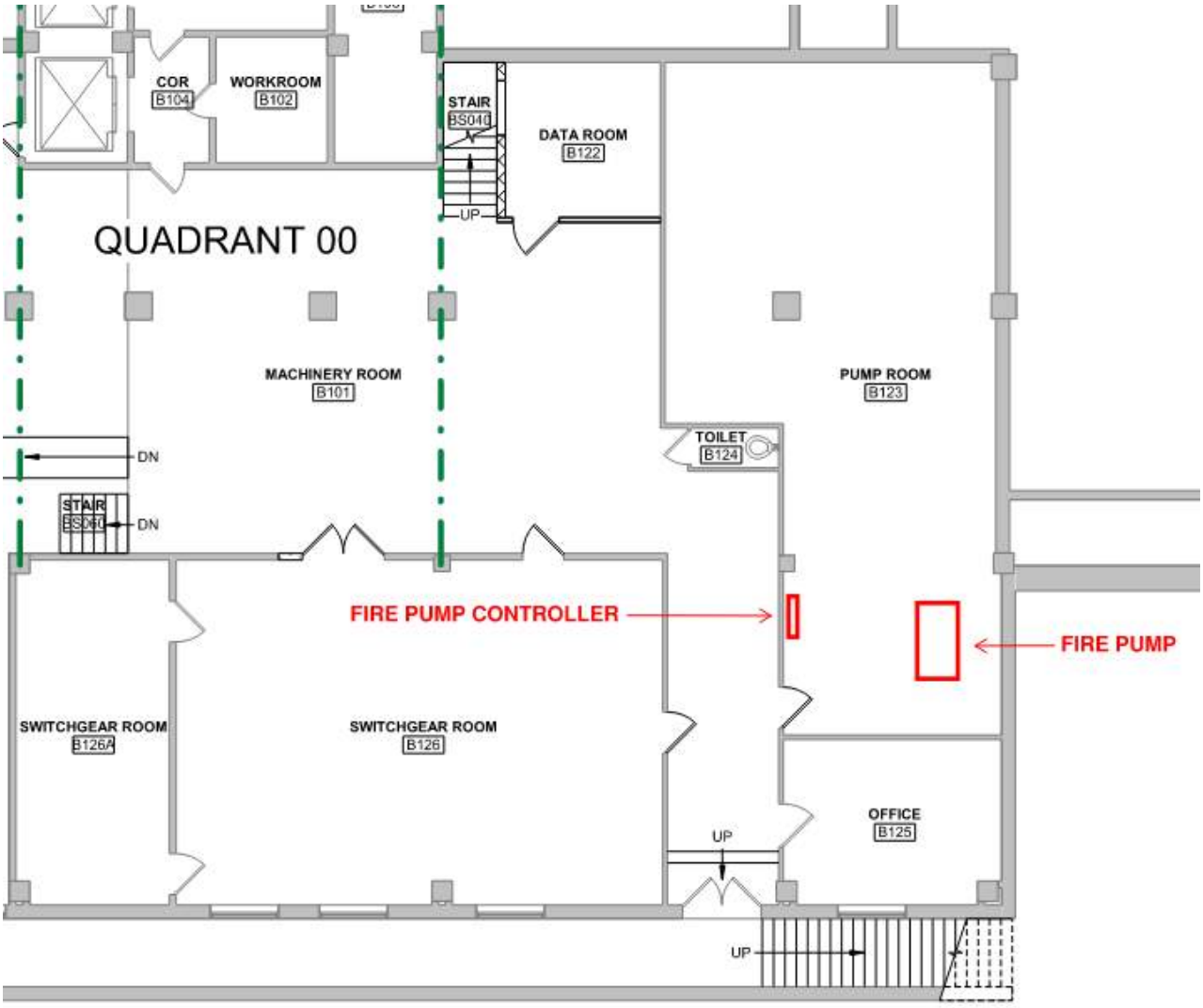
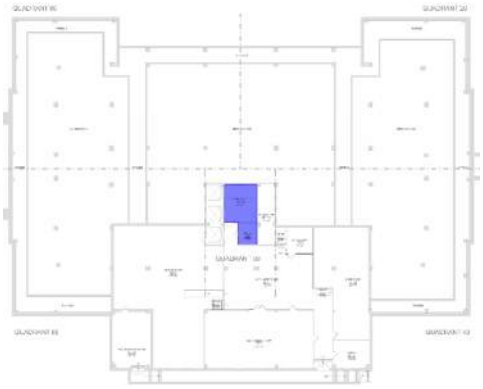


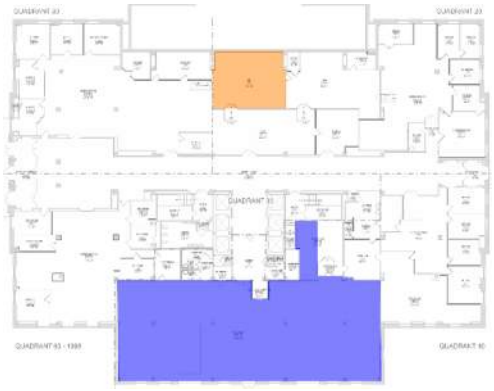
Image 145 – Fire pump and controller location.

D4010 – Sprinklers

Automatic sprinkler protection is provided for an existing elevator lobby in the basement, the garage area on the ground floor, throughout the eleventh floor, and in each elevator machine room at the top of the building. The remainder of the building is non-sprinklered.



Basement Level



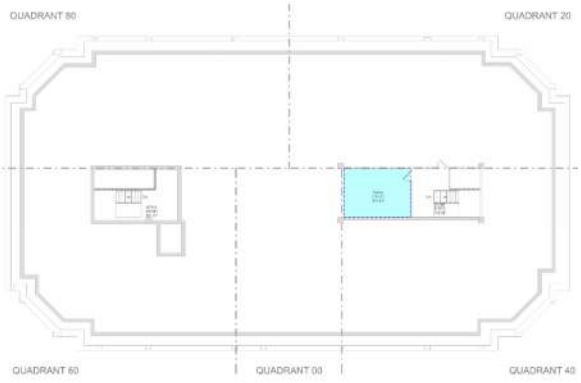
Ground Level



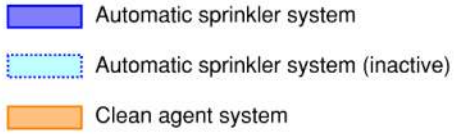
Eleventh Floor



Fifteenth floor



Roof Level



Legend

The exact age of the existing sprinklers is unknown; however all sprinklers are understood to have been in service for more than 20 years. Code requires quick response sprinklers to be tested or replaced once they have reached a service life of 20 years.





Image 146 – Automatic sprinklers in basement level elevator lobby and ground floor garage.





Image 147 – Automatic sprinklers in ground floor storage room and eleventh floor lobby.

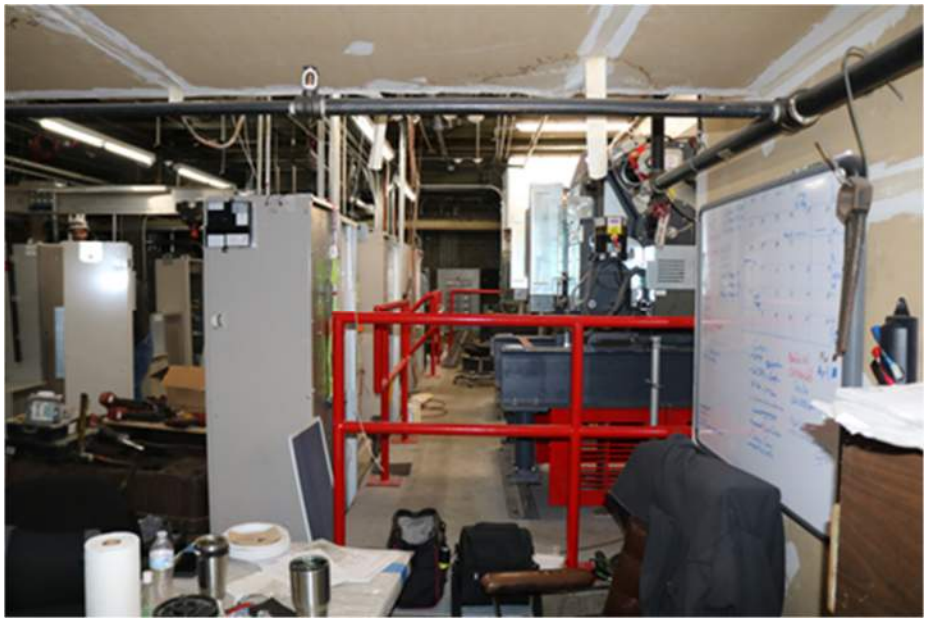


Image 148 – Fifteenth floor elevator equipment room.

The sprinkler systems protecting the eleventh floor and the elevator equipment areas at the top of the building are supplied by the existing standpipe risers and the booster fire pump. The elevator lobby in the basement and the ground floor sprinkler system are supplied by the building's fire service main upstream of the connection to the building fire pump.

The fire service main is 6-inches in diameter and provided with a dedicated backflow preventer where it enters the basement. From this location, a feed main is routed to the garage system riser, as well as the fire pump.





Image 149 – Existing fire service entrance.

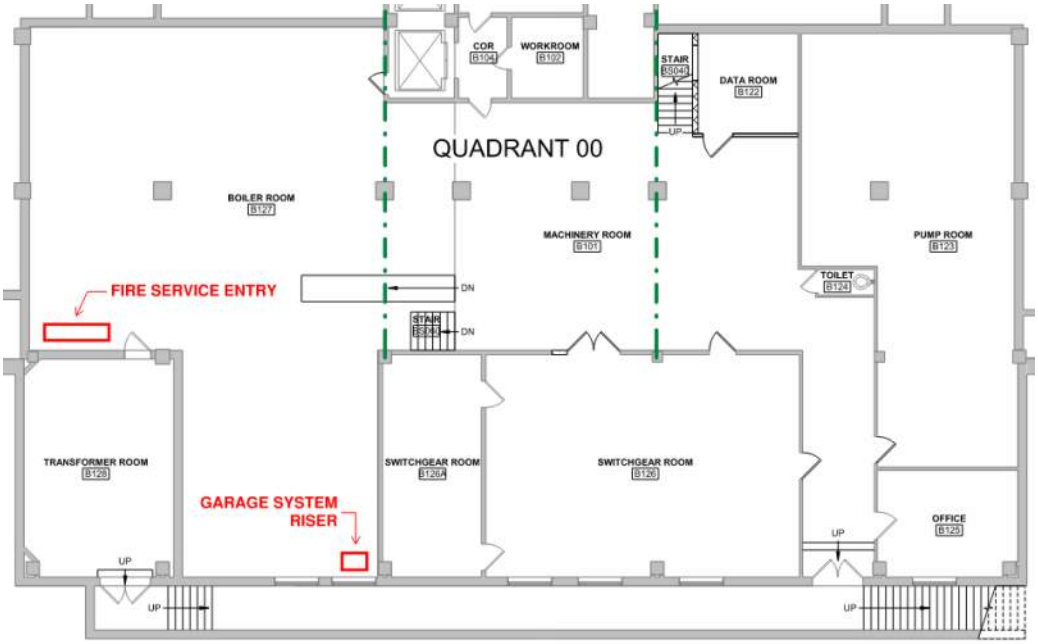


Image 150 – Fire service entrance in basement.

Overall, the existing fire sprinkler piping and valves are in good condition and may be reused until failure is observed during routine testing or inspection. All sprinkler system valves and switches should be electrically supervised by the building fire alarm system.





Image 151 – Sprinkler control valve serving elevator equipment rooms on the fourteenth floor, fifteenth floor & roof.
Image 152 – Control valve serving elevator equipment room on roof level not connected to fire alarm.

D4090 – Clean Agent Suppression System

An existing data room located at the north side of the ground floor is protected by a clean agent suppression system. The system utilizes ECARO-25 for an extinguishing agent and is provided with a Cheetah releasing panel manufactured by Fike. The system appears to be well maintained and is arranged to meet current code requirements. Local detection and notification are connected to the releasing panel. The Cheetah panel is supervised by the building fire alarm system, as required by code.



Image 153 – Ecaro 25 clean agent cylinder.

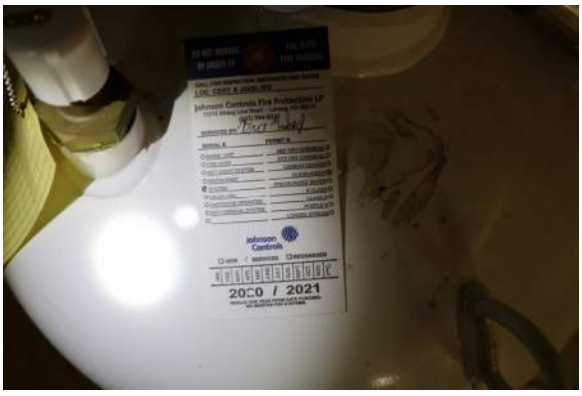


Image 154 - Clean agent inspection tag.



Image 155 – Clean agent releasing panel.



Image 156 – Provided with manual release and abort.

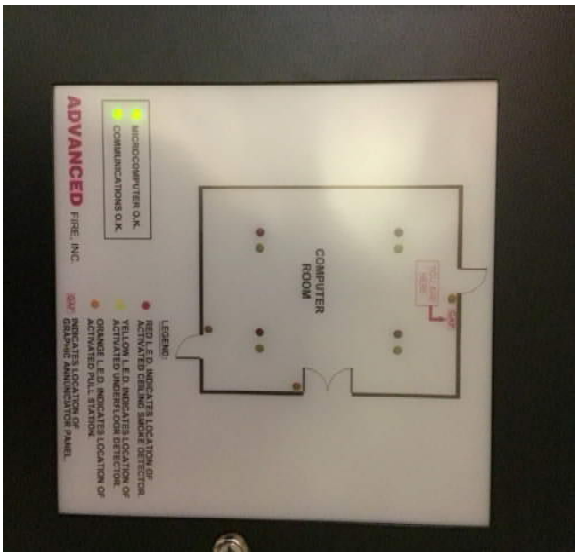


Image 157 – Clean agent releasing annunciator.



Image 158 – Keyed disconnect switch.

Security

The electronic physical security system consists of several disparate subsystems functioning independently. Subsystems in use include access control, video surveillance, intercom, and duress. Local monitoring of these systems requires multiple user interfaces and user inputs to provide remote evaluation of security events.

Security screening equipment was not reviewed as a part of this survey effort.

D7010 – Access Control

A Lenel™ access control system is utilized throughout the courthouse serving to authenticate user credentials through proximity-based card readers to unlock doors associated with a given reader. The system utilizes distributed control boards located in unsecured and unmonitored cabinets throughout the courthouse. Power supplies for logic and door lock power were generally located adjacent to the control board enclosures in unsecured, unmonitored cabinets. Backup batteries were generally located in various orientations within the access control board enclosures.





Image 159 (Left) – Access control panel with loose relays, unmonitored cabinet, insufficient termination space. Image 160 (Right) - Egress door with magnetic lock having a defeated exit sensor (top left), unlabeled override button (center right), missing button head (center right).

The system software and components, although still supported, are rather dated.

Several instances of installed magnetic door locks were observed as being in violation of the Life Safety Code (NFPA 101) having *defeated* exit sensors or unlabeled manual release buttons.

D7030 – Video Surveillance

The video surveillance system consists of a number of digital, powered over Ethernet (PoE) cameras that are recorded and managed off-site. The courthouse is undergoing a camera replacement project to address the diminished image quality of many of the cameras.

Camera coverage is rather light in the public entry areas and building perimeter, and non-existent in the courtrooms.

D7040 - Intercom

There are several variations of older stand-alone door intercom systems throughout the courthouse, most having some form of video interface and door release associated with them. Video images are typically low resolution, very small, and monochromatic.



Image 161 - Typical variety of door intercom stations.



Image 162 - Security control console with multiple intercom head-ends.

D7050 - Duress

The duress system consists of several independent wireless systems that report to the sheriff's office for response. Some of the systems are quite old and do not offer battery health or signal connectivity status to know whether the transmitters will transmit in time of need. Signal repeaters are typically located in unsecured areas using common convenience power outlets.



Image 163 - Loose wireless duress buttons, front and back.



Image 164 - Wireless duress repeater station, powered from plug-in wall outlet power supply.

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Section 3

Recommendations

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The overriding goal of this report is to establish a long-term strategy for the care of the courthouse so that as it ages, and as various repair and alteration projects are considered and implemented over the years, the building is brought up to modern court and code standards while respecting and retaining the significant historic elements, spaces and features of the building. This section assimilates the information and evaluation presented earlier and provides a clear strategy for the future care of the courthouse.

This section is organized by the ASTM Uniformat II Classification for Building Systems format, the same format by which the building's materials, features and equipment were surveyed and input into the VFA Facility database.

Preservation Guidelines

The purpose of these guidelines is to provide guidance for the treatments to individual materials and spaces based on the level of significance and appropriate guidelines as established herein. The intent of the following guidelines is to propose a path for restoration of the overall character of the courthouse's most significant materials and spaces, not to bind the courthouse to a rigid set of rules that are not within the County's budget or needs. Future repair and alteration campaigns should study the potential of full restoration of materials and spaces. If it is determined that restoration is not feasible, these projects should retain and respect the existing decorative finishes that are concealed within these areas for future restoration.

Restoration and rehabilitation projects should conform to the *Secretary of the Interior's Standards for Restoration* or the *Secretary of the Interior's Standards for Rehabilitation* based on existing original fabric and historic documentation. This rehabilitation category emphasizes the retention and repair of historic materials, but more latitude is provided.

The report categorizes the spaces of the courthouse into four broad treatment zones. Once categorized, the level of treatment (e.g., conservation or replacement) can be based on the placement within these categories. The four zones are listed below in descending order based on the level of restoration/conservation actions that are appropriate to each zone.

When referring the 'period of significance', the author is referring to the period of original construction of that floor. Much of the building was completed in 1934, however, the materials and spaces/zones on the seventh and eighth floors and their mezzanines date to the mid-Twentieth Century and have acquired significance in their own right. The period of significance, therefore, for these floors is the mid-Twentieth Century.

Level I – Restoration Zone

The Level I – Restoration Zone includes areas of special architectural and historic significance that exhibit unique or distinctive qualities, features and original materials or elements, and are distinguished by a high level of richness. Not only do these areas retain their architectural integrity, but they also retain their historic use. These are the most important zones, or spaces, of the building and must receive the greatest care and attention.

Examples of spaces in this category include the entire building exterior, the main lobbies on the ground and first floors, public corridors and elevator lobbies, Stair No. 3 and the original courtrooms. All of these spaces are significant to the bulding's period of significance and exhibit original materials and features that are intact and in good to excellent condition.

These areas should be maintained and restored as nearly as possible to the period of significance. Materials within this zone from the period of significance should be retained, while materials from other periods may be removed. Where features or materials are missing or damaged beyond repair, they should be replaced in kind. Where features or materials must be removed or altered to abate hazardous materials or upgrade code deficiences, new features and materials must be sensitive to and compatible with the character of the building.

Level II – Restoration Zone

The Level II – Restoration Zone includes areas of architectural and historic significance that exhibit unique or distinctive qualities, features and original materials or elements yet to a lesser degree of richness than the areas of the Level I – Restoration Zone. These areas typically retain their architectural integrity and their historic use. This zone may also include areas of special architectural and social significance that may have had their architectural integrity compromised, but provides sufficient evidence for their restoration or replication. If it is determined that restoration is not feasible or desired, these projects should retain and respect the existing decorative finishes that are concealed within these areas for future restoration.

Examples of spaces in this category include the original two-story spaces on the first floor and first floor mezzanine that originally housed the collector, assessor, and recorder general offices. The east wing has been compromised by the installation of ductwork and a lowered acoustical ceiling, however, the original decorative plaster cornice, balcony railing and windows exists above the ceiling. The east half of the tenth floor is another example of a space in this category. This area is still utilized as office space and retains its original finishes and ceiling heights. The judge's chambers and jury mezzanines are also examples of spaces in this category.

Level III – Rehabilitation Zone

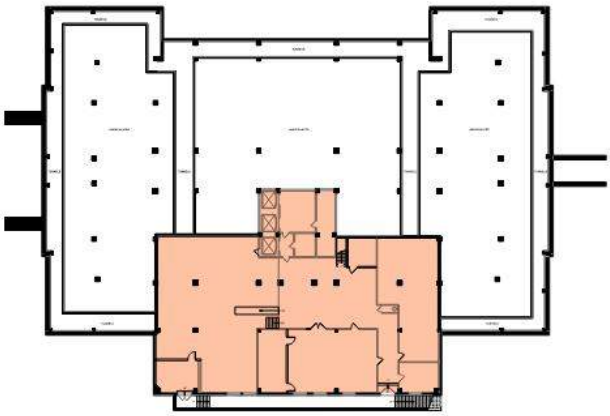
The Level III – Rehabilitation Zone includes areas that are less important but may contain significant architectural details or features that should be conserved or restored as part of an overall repair or alteration project. This category includes spaces that were original secondary public spaces that were less rich in detail than the spaces in Levels I or II. These areas may or may not retain their historic use.

Examples of spaces in this category include the office spaces throughout the building that have been modified over the years.

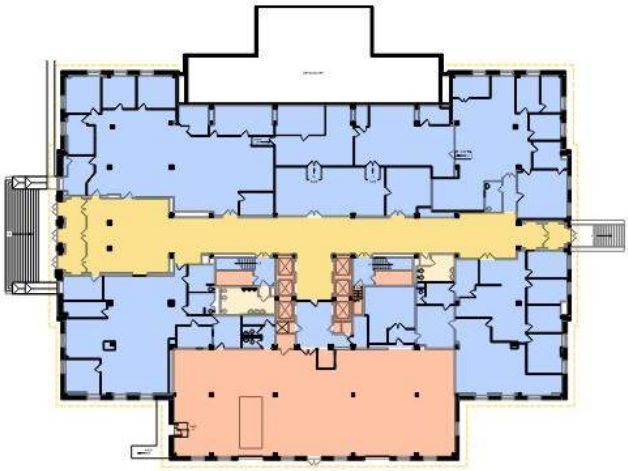
Level IV – Free Zone

The Level IV – Free Zone includes areas that are not considered an integral part of the significant fabric of the building and may be altered as long as these alterations do not have an adverse impact on the restoration or rehabilitation zones. While these areas are modest in nature, they may contain significant archtiectural features or materials that should be conserved or restored (e.g., building perimeter plaster and wood window and door casings).

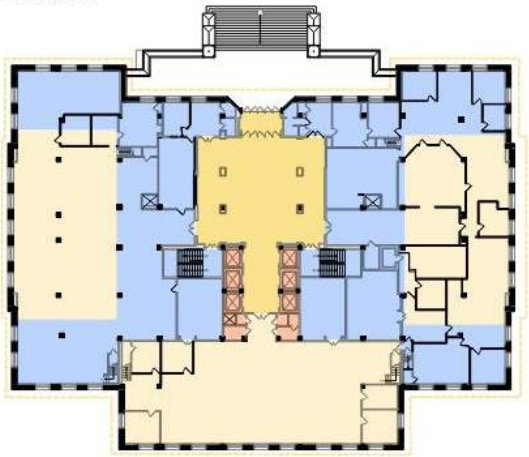
Examples of spaces in this category include the basement, the garage on the first floor, 3M (piping floor), the fifteenth floor, Stairs No. 1 and No. 2, the various mechanical rooms and chases.



BASEMENT FLOOR
NOT TO SCALE



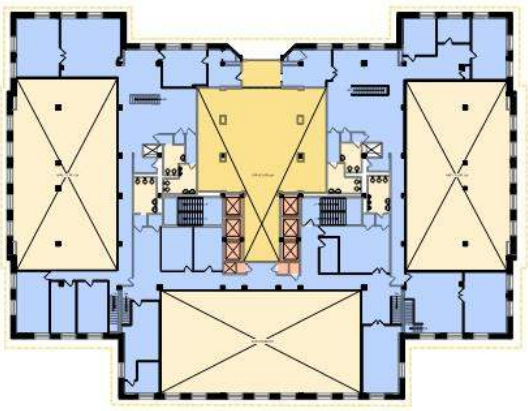
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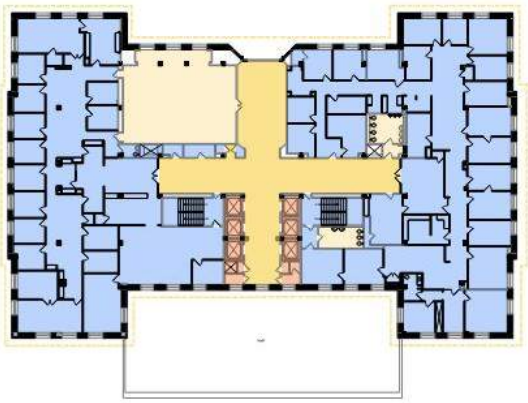
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NOT TO SCALE

LEGEND

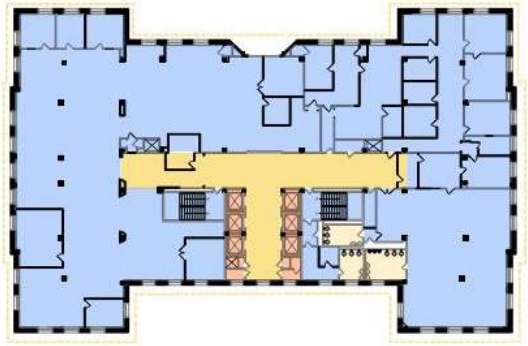
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- LEVEL II - RESTORATION ZONE
- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE



FIRST FLOOR MEZZANINE
NOT TO SCALE



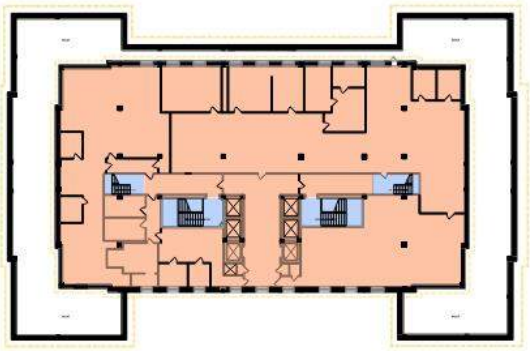
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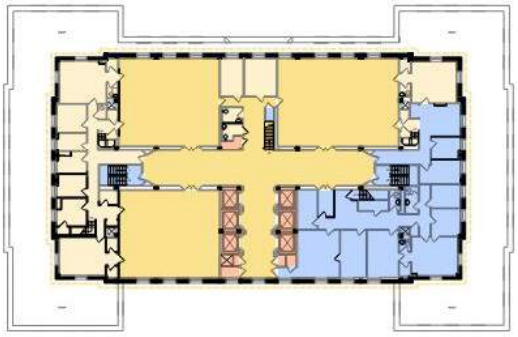
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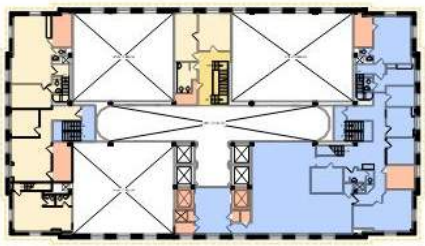
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- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE



THIRD FLOOR MEZZANINE
NOT TO SCALE



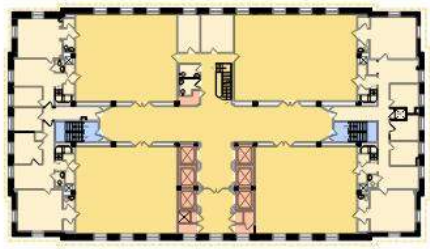
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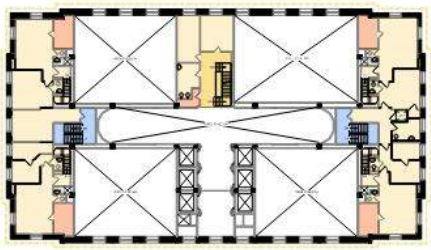
FOURTH FLOOR MEZZANINE
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LEGEND

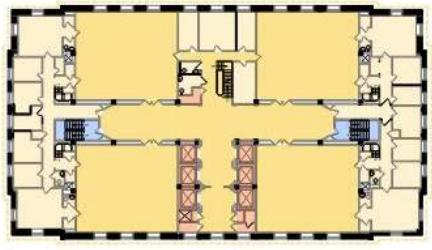
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- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE



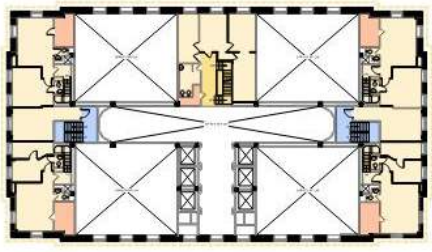
FIFTH FLOOR
NOT TO SCALE



FIFTH FLOOR MEZZANINE
NOT TO SCALE



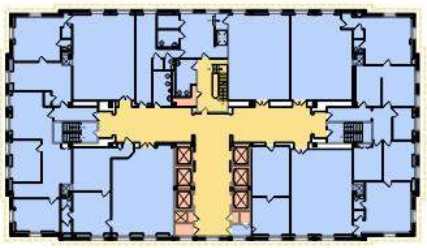
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NOT TO SCALE



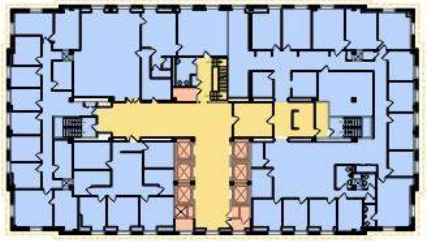
SIXTH FLOOR MEZZANINE
NOT TO SCALE

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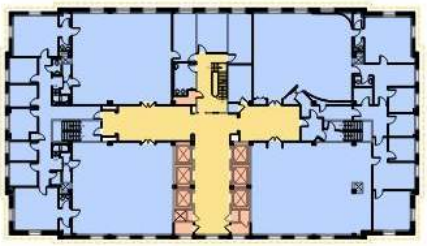
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- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE



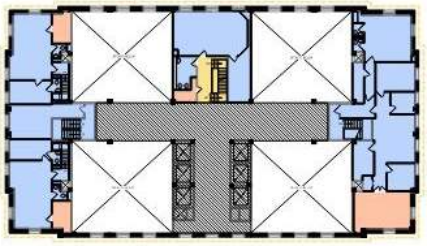
SEVENTH FLOOR
NOT TO SCALE



SEVENTH FLOOR MEZZANINE
NOT TO SCALE



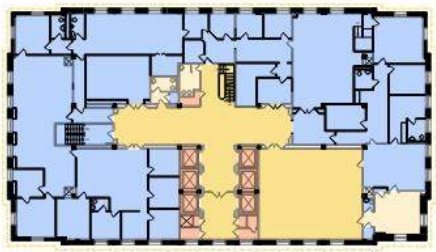
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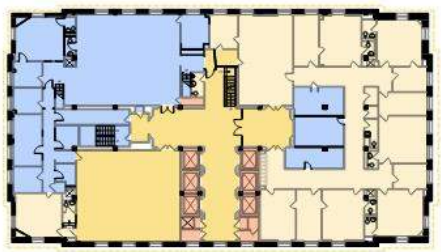
EIGHTH FLOOR MEZZANINE
NOT TO SCALE

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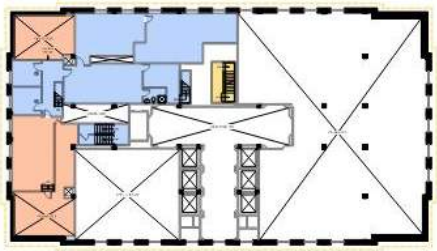
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- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE



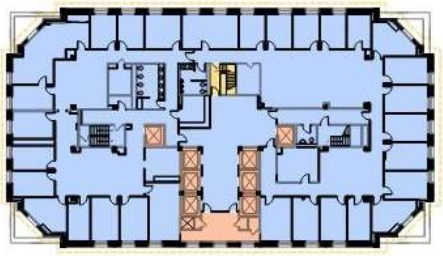
NINTH FLOOR
NOT TO SCALE



TENTH FLOOR
NOT TO SCALE



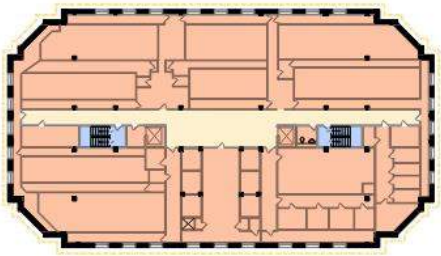
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NOT TO SCALE



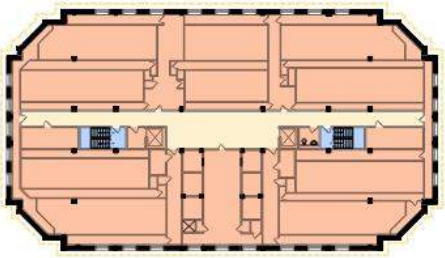
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LEGEND

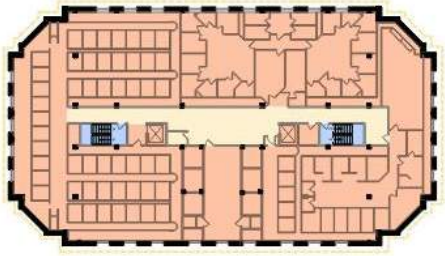
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- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE



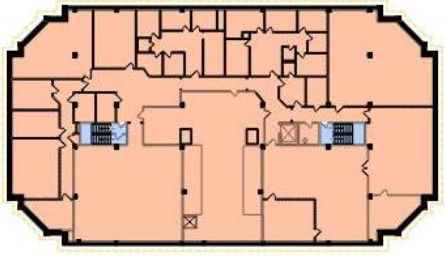
TWELFTH FLOOR
NOT TO SCALE



THIRTEENTH FLOOR
NOT TO SCALE



FOURTEENTH FLOOR
NOT TO SCALE



PENTHOUSE FLOOR
NOT TO SCALE

LEGEND

- LEVEL I - RESTORATION ZONE
- LEVEL II - RESTORATION ZONE
- LEVEL III - REHABILITATION ZONE
- LEVEL IV - FREE ZONE

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Code Analysis

This section provides recommendations for the noncompliant code issues. Refer to Section 2 (Existing Conditions) of this report for descriptions of the code issues.

Noncompliant Code Issues

1. Fire Protection Systems

An automatic sprinkler system is required to be provided in all renovation work areas undergoing a Level 2 Alteration (IEBC 704.2). For each future renovation project, sprinklers should be extended into the renovation area, or the entire floor where the renovation is occurring, so that eventually the entire building is provided with sprinklers.

A fire alarm system is required for the building (IBC 907.2). The occupant notification is required to be a voice system since the building is a high-rise (IBC 403.4.4). A new voice fire alarm system should be provided to cover all portions of the building.

Per the 2009 IBC, fire extinguishers are not required throughout the building if the building is fully sprinklered. They are only required in the following areas: storage rooms with rack storage, storage areas containing flammable or combustible liquids (Floor 3M), paint spray areas (Floors 3M, Fifteenth floor), woodworking areas (Floors 3M, 14), and other special-hazard areas as required by the AHJ. With the assumption that the building will be fully sprinklered, fire extinguishers are required to be provided in the areas listed above. Fire extinguishers may be installed in non-sprinklered areas to provide a level of safety until sprinklers are provided. At a minimum, the existing fire extinguishers in non-sprinklered areas should be maintained by providing proper wall mounts, signage, and periodic inspection.

2. General Fire Safety

Since the building contains Group A occupancies, the paint spray operations are required to be located in 1-hour fire-resistance rated spray rooms designed and constructed per IFC Chapter 15 (IFC 1504.2; IBC 416). Woodworking areas require a dust collection and exhaust systems, installed in accordance with IMC Chapter 5 (IFC 1903.2). The dust control system is required to be provided with a method of explosion control in accordance with IFC 911. Other provisions such as housekeeping, waste removal, and control of ignition sources should be provided in accordance with IFC Chapters 13 and 19. It is recommended to limit the paint spray and woodworking operations to one or two locations within the building, which will reduce overall hazard and simplify the design of the protection systems.

Hazardous materials should be stored in a manner that maintains the quantities below the Maximum Allowable Quantity (MAQ) listed in IBC Table 307.1(1). Alternatively, the hazardous materials storage areas can be classified as Group H occupancies, which allow unlimited quantities. Spaces designated as Group H will trigger several other requirements such as spill control and secondary containment, ventilation, explosion control, secondary power, temperature and pressure limit controls, emergency alarms, and higher hourly ratings for the storage rooms. To avoid a Group H designation, some

combination of limiting the amount of hazardous materials, providing rated storage cabinets, and separating into separate fire-resistance rated areas (“control areas”) should be provided. Regardless of the approach, a report is required to be submitted to the building official identifying the maximum expected quantities of hazardous materials to be stored and used in the building and the methods for protecting each hazard (IBC 414.1.3).

A 1-hour rated fire command center room should be provided in accordance with IBC 911 and shall contain the items listed in IBC 911.1.5.

Secondary power should be provided and sized to support the required loads.

A fire department communication system should be provided throughout the building that is acceptable to the fire code official. The system may be an extension to the existing wired system or a distributed antenna system (DAS).

The installation of a smoke removal system should be considered. Since this is not a life safety system, it is recommended to discuss the need for this system with the AHJ. The fire department may already have a procedure in place such as utilizing exterior windows in the case where smoke cannot be effectively removed in a timely manner.

3. Construction Type

All wood construction should be removed and replaced with noncombustible materials or with one of the acceptable combustible materials listed in IBC 603.1.

All non-rated primary structure (columns and beams) should be protected with gypsum board, intumescent paint, or spray fireproofing to provide a 2-hour fire-resistance rating.

4. Stairways

The code issue for Stair 3 is two-fold. First, the stair cannot be used for egress unless an exit (one of the two interior exit stairs - Stair 1 or Stair 2) can be reached on the next story down and the stair is not open to more than two stories. The stair is currently open to 12 stories. Second, the floor openings created by the stair are required to be protected using one of the methods listed in IBC 708.2. Four options are identified to resolve this condition:

1. Create multiple two-story openings between the following stories (IBC 1016.1, Exception 3): 4 & 4M, 5 & 5M, 6 & 6M, 7 & 7M, 8 & 8M, and 9 and 10. Provide 2-hour construction to separate each of these two-story openings from each other. Provide 2-hour shaft enclosure around the stair at floors 10M and 11. Do not use stair for egress from floor 11.
2. Fully enclose stair with 2-hour construction. Allow four mezzanine levels (4M, 5M, 6M, and 8M) to use stair as an enclosed exit access stair.
3. Pursue an AM&M to allow use of the 2012 IBC which allows the stair to be open to four stories if 18" draft curtains and sprinklers spaced at 6 feet on center are provided around the floor opening at each level (IBC 1009.3, Exception 4). The 2009 IBC has the same provision but does not allow the stair to be used for egress. This approach requires the building to be fully sprinklered, so the AM&M may require, at a minimum, that the areas open to this stair are sprinklered. The stories other than the four chosen to be protected with draft curtains and sprinklers are required to be separated with 2-hour construction.

4. Pursue an AM&M to allow the existing noncompliant stair to remain. Add smoke detectors near the stair at floors 4 through 11 to provide early notification. Relatively few occupants have to use this stair for egress and the egress arrangement is near compliance with the enclosed mezzanine provisions with a single exit (IBC 505.3 & 505.4).

The code issue for Stairs 1 & 2 includes the following items that are related to egress and fire-resistance separations:

1. Stairs 1 & 2 do not discharge directly to the exterior of the building. Since the stairs are not located near the exterior walls, the following two exceptions should be considered:
    a. Exception 1: Stairs are permitted to discharge into an exit passageway, which is a 2-hour enclosure that extends from the stair to the exterior; only items related to or serving the exit passageway can be located in the exit passageway
    b. Exception 2: Stairs are permitted to discharge onto ground floor within view of exterior exit doors; per IBC 1027.1, this exception can only be used for either Stair 1 or Stair 2, but not both.
2. Rated separation around Stairs 1 & 2 are discontinued at floor 3M. Corridors 301M & 302M are required to be constructed as part of the stair enclosure, which requires 2-hour walls, 90-minute self-closing doors, and only containing items related to or serving the stair.
3. Stair 1 is nonexistent on floors 9 through 10M, causing the stair to discharge onto floor 11 instead of directly to the exterior. This also causes Floors 09 and 10 to only have one exit, where two sufficiently separated exits are required.

The recommendation for Stairs 1 & 2 includes the following:

1. The use of Exception 2 is the most feasible option, but this is only permitted for one of the two stairs. An AM&M could be proposed to allow both stairs to utilize this exception, with the following suggested compensatory measures:
    a. Both stairs allow egress at either the ground floor or the first floor, since an exterior exits are provided on the east and west sides of the ground floor and on the north side of the first floor. This provides a higher level of safety than two stairs that discharge onto the same floor.
    b. Additonal exit signage (at ceiling and floor level) could be provided to explain the multiple egress options.
    c. Smoke detections could be added to the path connecting the stairs and the exterior exit doors to provide early detection and notification of where the available exit path(s) are.
2. Modify corridors 301M & 302M to become part of the rated stair enclosures.
3. Build a continuation of Stair 1 to connect floors 9 through 11.

5. Egress

Rooms or spaces with one exit and more than 49 occupants are required to be provided with a second that is separated from the other exit by a distance greater than one-third the maximum diagonal of the room or space. In lieu of providing a second exit, the room or space could be modified so that it contains 49 or fewer occupants. This could be accomplished by revising the function or area calculated, or by other means to limit the occupant load as approved by the AHJ. The building official is permitted to approve an occupant load that is lower than the calculated occupant load (IBC

1004.2.1, Exception). Even if the occupant load is limited to 49 or fewer occupants, the common path of travel needs to be less than 100 feet for a sprinklered building. In other words, all areas of the room or space must be within 100 feet of a point where the occupant would have two separate paths to two separate exits. The path of egress (exit access) is not permitted to pass through doors that are lockable or through kitchens, storage rooms, or similar spaces (IBC 1014.2).

The normally unoccupied rooms that open into Stairs 1 & 2 at floors 3M, 12, 13, and 14 should be either abandoned or repurposed as normally occupied rooms (IBC 1022.3). In some cases, the AHJ will allow a hallway to separate the stair from the normally unoccupied room.

Any object that obstructs or blocks egress through stairways, corridors, or exit doors should be removed (IFC 304.1 & 1030.2).

Any doors that do not provide a clear width of at least 32 inches should be corrected once that door becomes part of the means of egress from or within a renovation work area. Doors associated with Stairs 1 & 2 and exterior exits have the highest priority since these doors are used as the means of egress from all areas of the building. In some cases, double doors can provide the required clear width if they are provided with automatic openers that open both doors simultaneously. They must open automatically to comply with ADA accessibility requirements. All doors that provide egress from rooms or spaces with more than 49 occupants are required to swing in the direction of egress travel (IBC 1008.1.2).

Emergency lighting should be provided in the areas noted.

Exit signs should be provided in the areas noted.

Luminous egress path markings should be provided in Stairs 1 & 2, and in any exit passageways that are provided in the future.

6. Fire-resistance Ratings

All penetrations through floors and rated walls created by conduits, pipes, tubes, vents, or ducts should be protected as described in the previous section of this report.

The rooms indicated on the Life Safety Plans and any new rooms required to be rated, such as paint spray rooms or hazardous materials storage rooms, should be provided with a rated walls and opening protection. Since the building will eventually be fully sprinklered, it is recommended to maintain the existing non-rated corridor walls instead of upgrading to 1-hour fire partitions.

All vertical shaft enclosures shall be fully separated with 2-hour construction, 90-minute openings, fire/smoke dampers, and properly protected penetrations, and shall extend to the underside of the roof sheathing or 2-hour horizontal assembly.

Stairs 1 & 2 should be provided with either a stair pressurization system or a smokeproof enclosure with ventilated vestibules at each level. The recommended approach is a stair pressurization system for both stairways.

The two elevator shafts serving basement through floor 14 and the two elevator shafts serving floor 11 through fifteenth floor should be provided with either an elevator pressurization system, elevator lobbies at each level except the street level, or additional rated doors at each opening (IBC 708.14.1). The recommended approach is an elevator pressurization system for all elevator hoistways.

7. Accessibility

For existing buildings undergoing renovations, the ADA Standards only require elements that are altered to be made accessible. Additionally, when work is done within a primary function area (e.g. courtrooms, offices, etc.), up to 20% of the construction cost is required to be spent on accessibility upgrades to the path of travel to the primary function area. Upgrades should be prioritized as follows: (1) an accessible entrance, (2) an accessible route to the primary function, (3) at least one accessible restroom for each sex or a single unisex restroom, (4) accessible telephones, (5) accessible drinking fountains, and (6) when possible, additional accessible elements such as parking, storage, and alarms.

If non-accessible public entrances, courtrooms, restrooms, drinking fountains, work surfaces, or service counters are altered as part of a renovation or are on the path of travel to a primary function area that is part of a renovation, those elements should be made accessible to the extent required.

Site

This section provides recommendations for the site issues and for repair of damaged site items.

Hardscape

G2012 - Paving and Surfacing

For the concrete drive aprons to parking lot (East and West), no modifications are currently required.

G2012 - Paving and Surfacing

For the loading dock pavement off of Oak Street, no modifications are currently required.

G2013 - Curbs Gutters and Drains

For the public curbs around the entire perimeter of the block, no modifications are currently required.

G2022 - Paving and Surfacing

The existing asphalt parking lot pavement on the south side of the site shows surface cracking and wear that indicates that it is nearing the end of its useful life. The pavement should be cold milled with 2” of the existing pavement surface removed, and a new 2” overlay should be placed over the entire asphalt pavement area. The new pavement surface should also be regraded within the accessible parking spaces to ensure that the slope within the spaces and the access aisle do not exceed 2% in any direction. This may require local placement of asphalt overlay that exceeds 2” in thickness.

G2023 - Curbs, Rails and Barriers

For the existing ribbon curb within the parking lot, no modifications are currently required.

G2025 - Markings and Signage

Due to the recommended pavement milling (See G2022 above) and the condition of the existing pavement markings, the pavement markings should be replaced following the completion of the pavement overlay.

G2025 - Markings and Signage

Due to the proposed pavement milling (See G2022 above), the accessible parking lot signage should be replaced following the completion of the pavement overlay. This is particularly likely if the accessible parking spaces are relocated to achieve the required accessible parking space grade requirements.

G2031 - Paving and Surfacing

This item consists of both the sidewalk in the public right-of-way around the perimeter of the site, and the private sidewalks within the property. The sidewalks within the public rght-of-way are generally in good condition, but small localized areas should have localized removal and replacement. Private sidewalks on the site are in good condition and need no modifications.

G2033 - Exterior Steps

There are three sets of site stairs. On the east side of the building, a set of concrete stairs with metal nosings lead down to the basement entrance. These stairs are in good condition and no modifications are required. On the west side of the building, concrete stairs lead up to the main floor entrance. These stairs are also in good condition and no modifications are required. On the north side of the building, steps with limestone treads lead up from the public sidewalk to the main floor entrance. The ends of the lowest stair treads are loose and should be replaced.

G2042 - Retaining Walls

The existing retaining walls around the perimeter of the site are retaining walls with approximately 3’ of exposed face consisting of cast-in-place concrete with a concrete footing. These walls are generally in good condition and no modifications are currently required.

Site Utilities

G3011 - Potable Water Distribution and Storage

Water supply includes underground potable water distribution piping with excavation and backfill. The line consist of one 6" domestic service connection and one 6" fire protection service. The lines were replaced in November of 2020 as two separate services in accordance with Water Services Department regulations. No modifications are currently required.

G3021 - Piping

Sanitary sewer includes underground waste water drainage piping; excludes manholes. The existing roof drain is a 12" line, with a 6" line service internal to building. No modifications are currently required.

G3036 - Ditches and Culverts

The site storm water system includes 600 lf PVC culverts, 8" inches in diameter, four grate inlets, one driveway trench drain, and one stairway trench drain. The existing stairway trench drain is currently clogged with leaves and sediment and is non-functional. This drain and the associated piping should be cleaned and returned to functionality. The existing grate inlet lids should be replaced in the future, as they are rusted, although this replacement is not critical.

G3061 – Fuel Distribution – Gas Service Piping

The addition of a new gas service line required to serve the proposed natural gas boiler plant is an item that should be designed and installed by Spire Energy from the existing gas main to the new gas meter immediately adjacent to the building. This service will be sized by the mechanical engineer and the required sizing and pressure should be coordinated with Spire Energy. The cost of the service line should be covered by Spire Energy by means of revenue justification.

Structural

The structural deficiencies are not critical in nature. Therefore, immediate attention to these deficiencies is not required. We recommend addressing these issues during building maintenance or while other work is being performed in the area of structural deficency. If other issues are discovered when the architectural finishes are removed, recommendations would have to be determined for those issues at that time.

Substructure

A1010 - Foundations

The foundations and basement walls of the building appear to be performing adequately. The exterior areaway walls are cracking and should be injection grouted to mitigate further deterioration.

A1030 – Slab on Grade

The area of heaving slab in the south side of the basement should be removed, any subgrade issues should be addressed and then replaced with a new concrete slab. The deteriorating garage door approach slab should be removed and replaced.

Superstructure

B1010 - Floor Construction

The spalling concrete at the base of some of the columns in the basement should be repaired. The existing opening in the first floor slab should be infilled with a concrete floor structure that maintains

the required fire rating between floors. Cracks in the third floor mezzanine, twelfth floor and fifteenth floor floor concrete joist systems should be routed and injection grouted.

B1020 – Roof Construction

The roof structure appeared to be performing adequately.

Architectural

Exterior Envelope

B2010 - Exterior Walls – Granite, Limestone and Brick Walls

A pre-qualified masonry restoration contractor should provide the following masonry restoration scope of work. Samples and mockups should be approved for each of the following scopes of work:

- Mortar color samples
- Replacement brick samples
- Mortar removal and repointing mockups
- Linear crack repair mockup
- Elastomeric coating removal mockup
- Brick replacement mockup
- Cleaning mockup

Repointing:

Rake out and repoint joints with cracks that can be penetrated ¼" or more by a knife blade 0.027 inch thick using Type N mortar colored to match the color of the limestone so the masonry is monolithic in appearance. Rake out joints to a depth 2 ½ times the joint width, but not less than ½ inch or not less than that required to expose sound unweathered mortar. Do not spall edges of masonry or make joints wider. Tool the mortar joints flush with the face of the stone, and final clean the masonry.

Linear Cracking:

Repair linear cracks and spalled areas of limestone with stone patching material. Remove deteriorated materials along the cracks or spalled areas. Remove additional material so the patch does not have feathered edges, but square edges at east 1/4" thick, but not less than as recommended in writing by the patching compound manufacturer. Place the patching compound in layers as recommended in writing by the patching compound manufacturer. Keep the area damp for 72 hours or until the patching compound has set.

Elastomeric Coating:

Remove the elastomeric coating with a chemical paint removal system that is not harmful to the masonry. Do not re-apply a coating system.

Brick Replacement:

Replace brick units that have lost their brick face exposing the inner core of the brick and brick units with through cracking with new brick matching the existing brick in size, color, and texture. Remove bricks that are damaged, spalled, or deteriorated. Carefully remove entire units from joint to joint, without damaging surrounding masonry, in a manner that permits replacement with full-size units. Support and protect surrounding masonry. Maintain flashing, reinforcement, lintels and adjoining construction in an undamaged condition. Prepare the area for replacement. Install replacement brick to match the pattern of the existing brick. Point with Type N mortar to match existing mortar. Strike

joints flush with the brick face. Estimate 25% of the bricks will require replacement; this should be re-assessed after the elastomeric coating is removed.

Staining:

Remove the atmospheric and biological staining from vertical and horizontal masonry surfaces using a two-part cleaning solution that will remove the staining without causing damage to the surface or the environment. Apply the cleaning materials per the manufacturer's instructions and remove the staining with a light water pressure of 800-1,000 psi with a 40-degree fan tip with four to six gallons of flow per minute as the optimum power washing settings. The pressure may need to be less depending on the strength of the substrate. Cleaning should be performed when the surface temperature of the masonry is between 40 and 90 degrees Fahrenheit.

Protect surrounding surfaces. Clean from the top to the bottom. Wet the surface applied by a low-pressure spray, apply alkaline prewash cleaner to surface, let product remain on surface per manufacturer's recommendations, rinse with medium pressure spray to remove chemicals and soil, use neutralizer as recommended by manufacturer, and rinse with medium pressure spray. Repeat cleaning procedure where needed at heavily soiled areas. Do not repeat more than once. For additional cleaning required, use steam cleaning.

B2010 - Exterior Walls – Sealant Joints

Replace sealant joints between dissimilar materials with new non-staining silicone sealant matching the color of the limestone. Seal joints between dissimilar materials over backer rod, following the manufacturer's instructions; tool the sealant surface to a concave profile. Replace all skyward facing joints at the coping stones and ledges with lead Ts set in a bed of sealant. Wrap the lead Ts down the vertical face of the stone one to two inches.

B2010 - Exterior Walls – Aluminum and Bronze Spandrel Panels

Evaluate what is causing the discolortion of the decorative spandrel panels. Power wash, strip and refinish the panels in situ with a three-part acrylic polyurethane paint system. Select a primer appropriate for non-ferrous metals. Apply the coating per the manufacturer's instructions. Provide a mockup of the application for review and approval.

Strip the bronze spandrel panels above the main entry doors on the north elevation in situ and refinish with a clear protective coating.

B2013 – Exterior Louvers and Screens – Ornamental Grilles

A pre-qualified metals restoration contractor should provide the metals restoration scope of work. Remove the bronze ornamental grilles at the lower levels, strip the existing aluminum-color finish, refinish to the original bronze finish, repair the grilles, apply a protective Incralac or similar protective clear coating, and reinstall the grilles in their same location. Power wash, strip and refinish the aluminum grilles at the upper levels in situ with a three-part acrylic polyurethane paint system. Select a primer appropriate for non-ferrous metals. Apply the coating per the manufacturer's instructions. Provide a mockup of the paint stripping, paint refinishing, and application of the clear coating for review and approval.

As an add option, remove the aluminum grilles on the eleventh through fourteenth floors and recast aluminum parts from current parts to address the missing filigree. Connect the replacement parts and finish smooth if welding is possible. If welding is not possible, pursue a mechanical fastening method

to be made on the back side of the grilles. Refinish and reinstall the grilles. Provide a mockup of a restored grille for review and approval.



Image 165 - Ornamental Grilles spanning 11-14th floors.



Image 166 – Ornamental grilles at fourteenth floor.

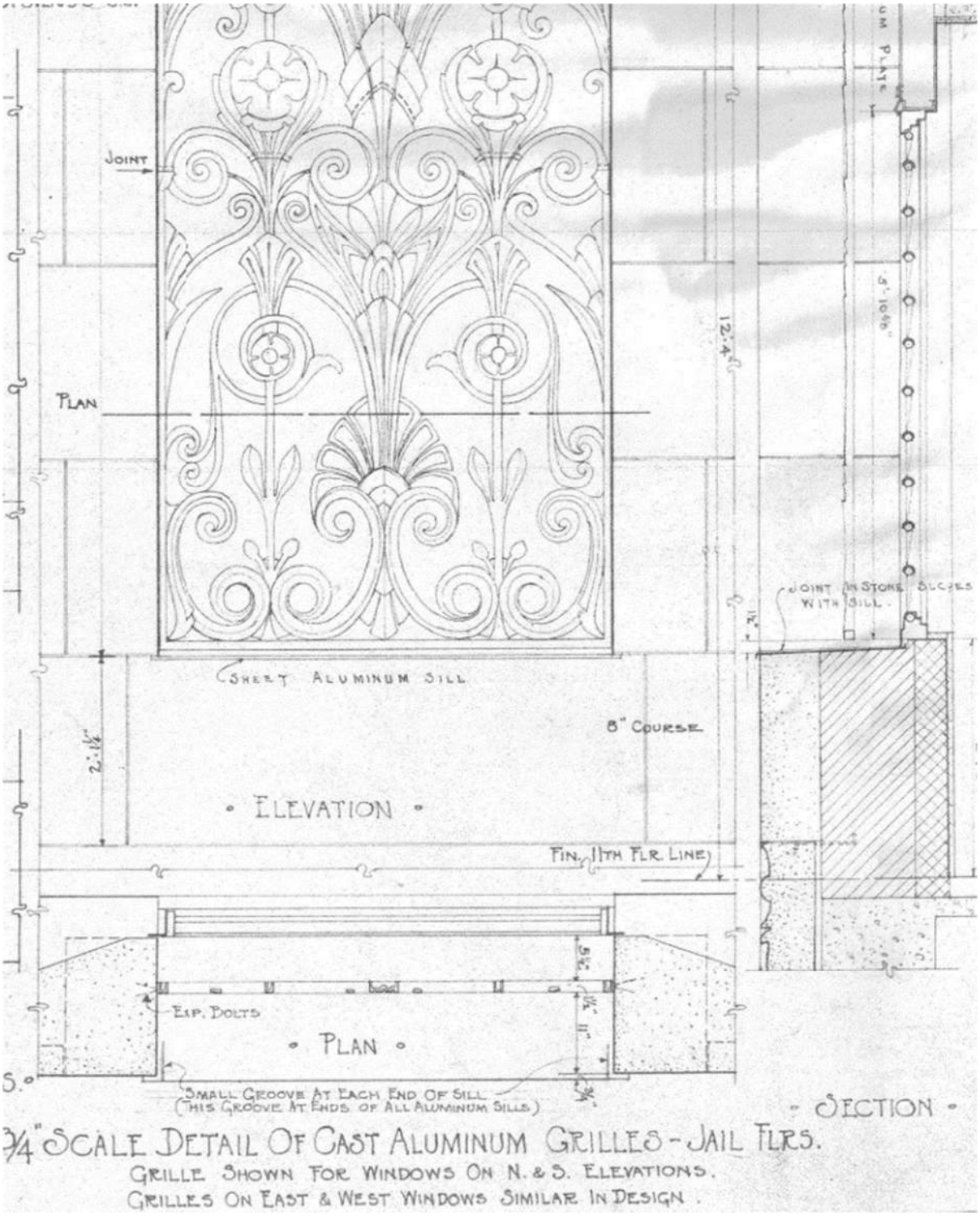


Image 167 – As an add option, remove the ornamental grilles at the eleventh through fourteenth floors and restore off site by recasting missing filigree. The grilles may need to be removed in any case to install the proposed air-handling units on the fifteenth floor. (1933 Construction Documents, Sheet 160)

B2013 - Exterior Louvers and Screens – Metal Wall Louvers

Power wash and refinish the steel louvers to remain in situ with a three-part paint system, using a Tnemec 73 series paint system or equal acrylic polyurethane coating system. Select a primer appropriate for ferrous metals. Apply the coating per the manufacturer's instructions.

B2020 - Exterior Windows – Steel Windows

A pre-qualified metal window restoration contractor should provide the window restoration scope of work. Power wash and refinish the window frames and sash in situ with a three-part paint system such as a Tnemec 73 series paint system or equal acrylic polyurethane coating system. Select a primer appropriate for ferrous metals. Apply the coating per the manufacturer's instructions. Replace the weather stipping with new compression-style weather stripping. Clean and adjust all hardware for smooth operability. Replace the broken glass and clean all glass. Provide a mockup of one window unit restoration for review and approval.

The replacement of the AHU's will alllow some openings with louvers to return to window openings. A new steel sash should match the existing sash in size and profile.



Image 168 - Steel window.



Image 169 – Steel louvers.

B2030 - Exterior Doors – Bronze Door Frames, Aluminum Doors

Replace the aluminum storefront doors with bronze clad commercial doors on all elevations. Apply ornament to the north and west entry doors matching the original door ornamentation indicated on the original drawings. Strip the painted aluminum-color finish to restore the bronze frames. Refinish the door and transom frames to the original bronze finish and apply a protective Incralac or similar clear coating.

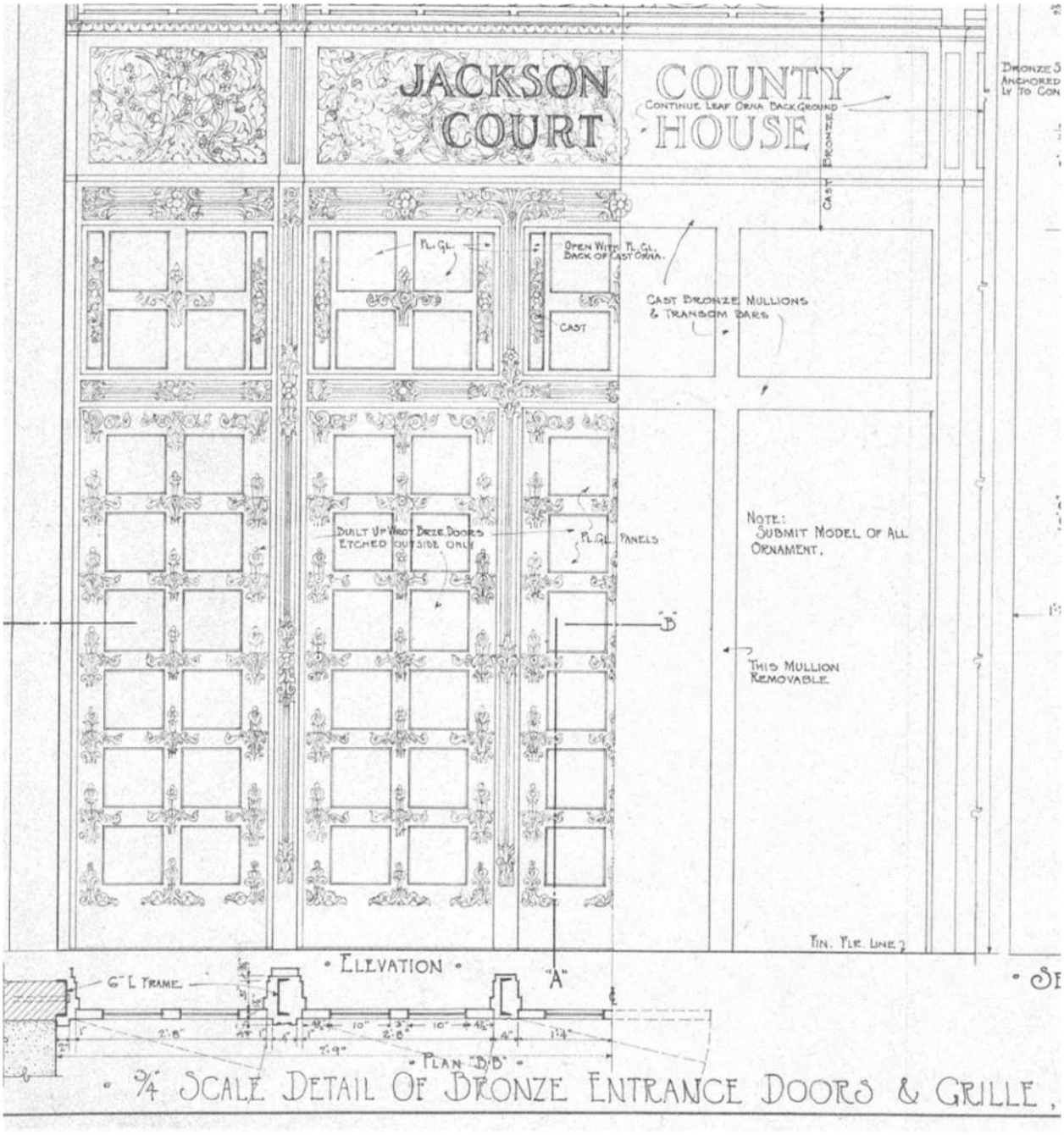


Image 170 – Match the replacement bronze door stile and rail dimensions to those of the original doors. Apply bronze ornament to the replacement doors matching the ornament shown in the original drawings. (1933 Construction Documents)

B30 - Roofing – Modified Bitumen Roofing

Replace the roofing with a new modified bitumen roofing system. Consider a ballasted system for a longer service life. Install copper counter flashing reglected into the masonry joints. Install insulation board properly sloped to the drains.

Interior Features and Finishes

C1010 – Partitions – 3-Coats Plaster on Terra Cotta Tile and GWB

Seal penetrations at walls requiring fire ratings as indicated on the code analysis plans in Appendix A. When creating new openings in clay tile walls, install steel lintels to support the area of wall above the openings. Infill abandoned openings created by previous repair and alteration campaigns with concrete masonry unit construction and refinish with three-coat plaster.

C20 – Stairs – Stairs

Clean and paint or refinish the finishes of the stairs; see subsequent sections for finish specific recommendations. Replace the handrails at walls with new handrails that meet code requirements and match the design and materiality of the original handrails. Install a new 2-hour-rated fully enclosed stair connecting the eighth floor mezzanine to the eleventh floor at Stair No. 1. Reference the code section of this report for options for addressing the open Stair No. 3. The selected option should retain the stair in its open configuration as much as possible.

C1020 – Interior Doors –Swinging Doors, Frames and Hardware (Wood, Bronze, Metal, Leather Clad)

Wood Doors and Frames:

Remove the doors, catalogue, remove the hardware for restoration, repair, refinish and reinstall the doors in their original locations with reinstalled hardware. Stabilize and repair the wood doors to reestablish their structural integrity. Repair the doors by consolidating, patching, splicing, or otherwise reinforcing wood with new wood matching the existing wood. Replace damaged veneer where required. Re-stain the doors and frames to match the original stain finish color. Refinish the door frames in situ. Salvage and store doors no longer needed for attic stock.

Bronze Doors and Frames:

The bronze doors and frames should be given a high priority for conservation since there are few remaining bronze doors and frames in the building. Remove the doors, catalogue, remove the hardware for restoration, clean, apply a protective Incralac or similar clear coating, reinstall hardware, and reinstall the doors in their original locations. Clean the bronze frames and transom and mezzanine window sash in the grand lobby in situ and apply a clear sealer. Replace the five interior aluminum vestibule doors with bronze clad commercial doors when the exterior doors are replaced. Match the original size, style and configuration of the details shown on the original drawings.



Image 171 – Replace wood veneer.



Image 172 – Bronze door at stair.

Steel Doors and Frames:

The original drawings indicate that only the Stair No. 1 doors have a fire rating; both stairs should have 90-minute rated openings. The existing door rating should be confirmed and the non-rated doors replaced with 90-minute fire-rated metal doors and frames matching the original doors in style, material, profile and faux wood-grain painted finish.

Leather-Clad Doors:

Clean or replace discolored leather. Remove, clean, apply a clear sealer to the bronze studs and reinstall the studs matching the original pattern.

Hardware:

Remove all historic door hardware including but not limited to hinges, kick plates, closers, pulls, knobs and locks. Catalogue, clean, apply a protective Incralac or similar clear coating, and reinstall at their original door locations. Replace missing hardware from attic stock located on 3M. Salvage and store door hardware no longer needed for attic stock.

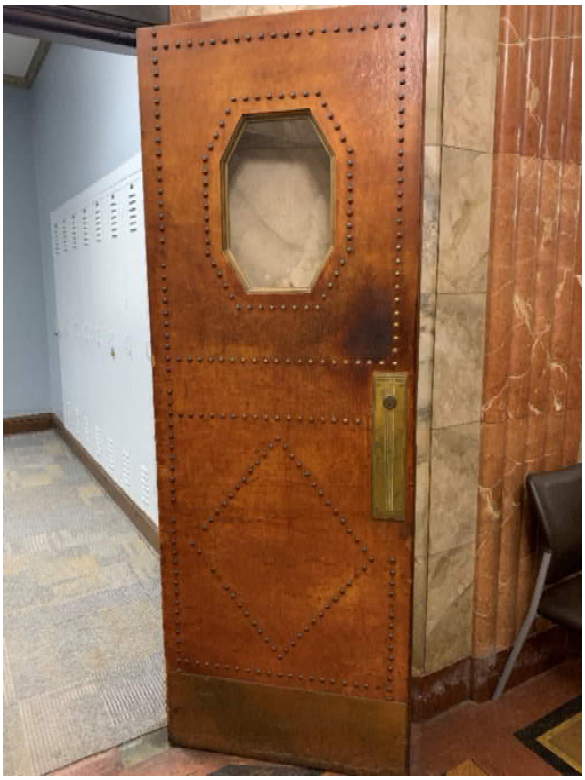


Image 173 – Clean and restore the leather-clad doors.



Image 174 – Restore the hardware to match this example on the sixth floor.

C2015 – Balcony Guardrails

Strip the finish from the guardrails in situ, paint the metal and re-stain the wood to match the original stain color. Prior to stripping, conduct a paint analysis of the metal paint finish to determine the type and color of the original finish. Design a retrofit for the guardrails that provides a total height of 42”. Consider clipping clear glass panels to the back side of the railing to prevent a 4” sphere from being able to be passed through the guardrail.

C3010/C3020 – Wall/Floor Finishes – Marble Window Stools, Wainscot and Base

Restoration of the marble throughout the building will bring the marble back to a fifty-year life and will improve the overall aesthetic of the public lobbies and corridors. Remove all sealants at the joints and repoint the wainscot with grout. Repair cracks with an epoxy patching material that is compatible with the marble. Epoxy patch repair areas of missing material less than two inches in diameter. All grout and patching material should match the color of the marble being repaired for a monolithic appearance, matching materials to cleaned marble. Clean and seal the marblework throughout the building. Replace cracked or crumbled base with new Portoro Marble. Replace through-cracked window stools with Pink Tennesse Marble. Replace the plumbing wall wainscot and damaged partitions in the toilet rooms with Napolean Grey Vein Marble.

C3010/C3020 – Wall/Floor Finishes – Wood Wainscot, Picture Molding and Base

Repair and refinish the woodwork in situ. Stabilize and repair the paneled wood wainscot to reestablish its structural integrity. Repair the woodwork by consolidating, patching, splicing, or otherwise reinforcing wood with new wood matching the existing wood. Where new wood is required, such as new wood base, provide rift sawn white oak or walnut to match the wood type being replaced. Re-stain the woodwork to match the original stain finish color. Utilize the existing wire raceway for new electrical and telecom infrastructure.



Image 175 – Replace cracked window stools.



Image 176 – Replace wainscot with poorly executed patches with Napoleon Grey Vein Marble.



Image 177 – Ornamental plasterwork.



Image 178 – Running plasterwork.

C3010/C3030 – Wall/Ceiling Finishes – Flat, Running and Ornamental Plasterwork

Much of the plasterwork repair is crack repair, consisting of both hairline cracks (less than 1/32 inch in width) and large cracks (greater than 1/32 inch in width). Disturb historic plaster as minimally as possible. Repair large cracks by opening the crack to at least 1/8 inch in width and full depth with a V-groove tool. Clean out the crack, remove loose materials, wet the substrate and install finish-coat plaster to fill the crack to the original profile. Finish flat surfaces flush and with the same texture as the adjacent plaster. Paint finished plaster the same color as the adjacent plaster. Where molded or running plaster cornices are missing, create molds and tools to recreate the missing elements. Provide the molds and tools to the County as attic stock. New flat plasterwork should be three-coats lime-based plaster consisting of a scratch coat, base coat and finish coat.

C3020 – Floor Finishes – Carpeting and Rubber Base

Replace the carpet tile and rubber base during future repair and alteration campaigns. Create a building standard for carpet tile and rubber base providing a maximum of two (2) selections from which to choose. Provide at five percent attic stock. Install rubber base in back-of-house spaces such as mechanical and storage rooms. Install stained wood base with a square profile, matching the height and stain color of the original historic base at new walls.

C3020 – Floor Finishes – Cast-In-Place Terrazzo

Pre-qualified cast-in-place terrazzo flooring installers should perform the new and conservation work according to best practices recommended by the National Terrazzo and Mosaic Association. The use of cast-in-place terrazzo should be limited to the toilet rooms. Existing terrazzo in toilet rooms should either be cleaned or considered for full replacement if cleaning does not produce acceptable results. Obtaining marble chips that match the marble chips of the original marble and matching the original binder color and marble chip grading is extremely difficult. Therefore, “bracketing” the mixes and chips (mixing and matching different chips) until an appropriate match is obtained is recommended for new floors. New terrazzo floors should also include bronze divider strips laid in a pattern that matches the original floor pattern.

The primary deterioration mechanism of the terrazzo flooring is staining. A stain removal mockup should be performed to determine the acceptability of the outcome, and to determine a stain removal system that is efffective yet is not overly aggressive. Poultices are often the most effective in removing stains through dissolving and absorbing the stains. If cleaning is detemined to be acceptable, repolish the flooring after stain removal and cleaning and apply a penetrating solvent-type sealer. Periodically apply a water-based acrylic sealer.



Image 179 – Example of non-matching terrazzo section. Acceptable patch repair of terrazzo is difficult to obtain. For small areas, such as in the toilet rooms, the whole floor should be replaced with new terrazzo matching the original terrazzo where cleaning does not produce acceptable results.

C3020 – Floor Finishes – Linoleum, Rubber Tile and VCT

The VCT flooring should be replaced as interior repair and alteration campaigns occur.

The original linoleum and rubber tile flooring is a significant historic finish that should be preserved and restored. It is a character defining feature of the main corridors, elevator lobbies and courtrooms that is difficult to reproduce. This flooring should not be replaced with alternate flooring materials such as terrazzo. Pre-qualified flooring installers familiar with the conservation of historic linoleum and rubber tile flooring should perform the work.

For the linoleum flooring, a small spot of the flooring should be tested to identify the original coating, which was often varnish or shellac. Turpentine will remove varnish but may also soften the surface paint. Denatured alcohol will remove shellac. If stripping layers of old wax is required, use a strippper that is stong enough to dissolve the wax without damaging the finish (do not use alkaline-based strippers). Solvent or water-based products should be used and a small area tested first. Once the surface has been cleaned, a protective coating such as wax or aliphatic polyurethane should be applied. Routine maintenance should include primarily dry mopping; however, a damp mop with non-ionic, pH-neutral detergent may be used for heavily soiled areas. Replacement of linoleum will be difficult to match. Research flooring distributers that may have matching pieces in stock.

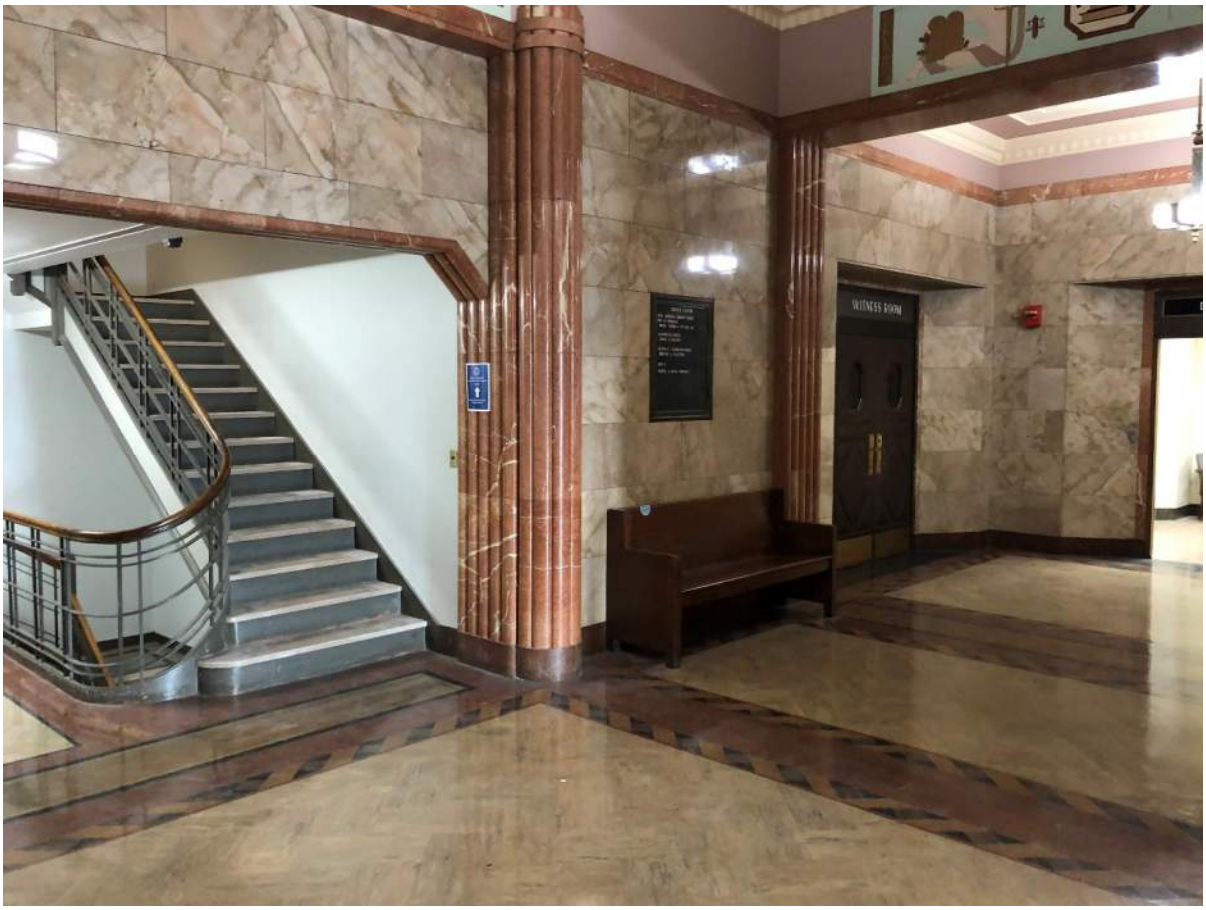


Image 180 – The rubber tile flooring at the ninth floor is an important character-defining feature of the main corridors at the upper levels that should be restored. A cleaning and re-polishing of the flooring will brighten and restore these spaces.

For the rubber flooring, clean the flooring using a mild vegetable soap, light oil soap, or Ivory soap with a cool to warm water rinse (do not use hot water). A two-ounce to gallon ratio of ammonia to water should be used to strip the polish. Re-wax or coat the rubber tile flooring with a water-based emulsion floor polish. All cleaning solutions, polish remover and re-waxing treatments should be tested in a small area prior to performing the restoration work.

C3020 – Casework – Courtroom Bench and Miscellaneous Wood Casework

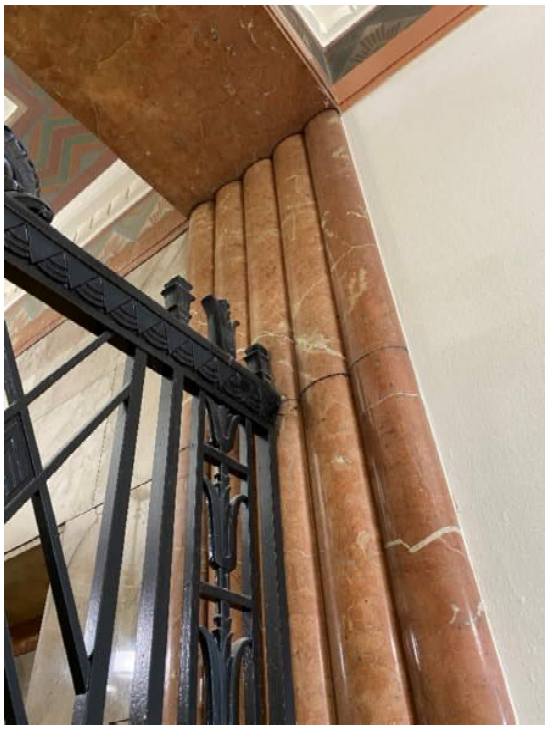
Remove any hardware from courtroom bench and furnishings include jury poles, catalogue, and restore. The casework should be repaired, refinished and reinstalled to the original locations and hardware reinstalled. Stabilize and repair the wood casework to reestablish its structural integrity. Repair the casework by consolidating, patching, splicing, or otherwise reinforcing wood with new wood matching the existing wood. Replace damaged veneer where required. Re-stain the casework to match the original stain finish color.

C0000 – Specialties – Bronze Grilles, Floor Medallion, Mail Chutes, Signage Boards, Metal Screens and Gates

The original bronze grilles, floor medallions, mail chutes, signage boards and metal screens and gates are historically significant features of the building that should be preserved and restored. Missing metal screens and gates should be replaced to provide secure inmate passage to the courtrooms. Existing metal screens and gates should be cleaned and painted. The bronze grilles, cast bronze floor medallion, mail chutes and signage boards should be cleaned and the original finish restored.



Image 181 – Chevron, oak leaf and fluted detailing of partial height walls in courtrooms.



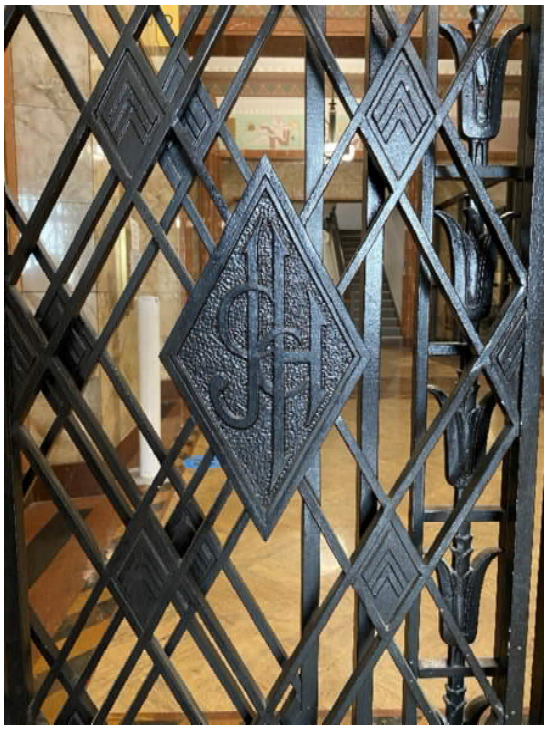


Image 182 and Image 183 – Metal screen and gate on tenth floor.



Image 184 – Original metal screens and gates at elevator lobbies should be cleaned and painted.

HVAC

Henderson Engineers was notified during the survey portion of the project that the County has a desire to remove reliance on district utilities for heating and cooling and reduce the number of air handling units serving the facility. The desire to remove reliance from district utility systems is due to increased rates and demand charges from the utility. Refer to the energy audit section for additional information. Removal of the steam system will not only reduce energy costs but will eliminate maintenance issues with the steam distribution system as well as potential liability issues if a steam pipe ruptures next to a building occupant. Reducing the number of air handling units serving the building will help reduce maintenance expenses of air handling units. The new air handling units provided with VAV boxes with hot water reheat coils will provide superior building thermal control and zoning than the existing systems currently provide. The new units will also eliminate the code issues of the existing cooling only units not being operational in the winter months which removes ventilation air to those spaces.

D3030 – Cooling Systems

The existing district chilled water heat exchanger should be removed and replaced with a water-cooled chiller plant. The chillers should be located in the basement where the existing heat exchanger is located. Cooling towers for the chillers should be located outside on grade at the southeast corner of the building. It is estimated that the chilled water plant should be 1,200 tons and should consist of (2) 600-ton centrifugal chillers, a single 1,200 ton dual cell cooling tower, primary and secondary chilled water pumps, and condenser water pumps. The chilled water plant would have a water side economizer to alleviate the need for air side economizers in the new air handling units. Refer to diagrams in Section 4 for proposed equipment locations.

A new 10” chilled water main should be routed up the existing boiler flue chase so chilled water is available at all floors. Taps with valves and caps off the new main piping should be provided at all floors where new air handling units would be provided in the future project phases. The existing chilled water main should be connected to the new main so existing air handling equipment can remain operational until their floors are renovated. All existing chilled water piping would be removed once the building renovation is complete.

D3020 – Heating Systems

A new hot water boiler plant should be provided to replace the existing steam heating system and located on the fifteen floor. The heating water plant is estimated to be 1,600 MBH and should consist of (4) 4,000 MBH high efficiency condensing boilers. Each boiler should have a boiler circulation pump and secondary distribution pumps would be provided. A new 10” heating water main would be routed down the existing boiler flue chase so heating water can be available at all floors. Taps with valves and caps off the new main piping would be provided at all floors so new air handling units and new VAV boxes can be connected in the future project phases. Existing steam piping and equipment would remain operational until those floors are renovated. All existing steam and condensate piping and equipment would be removed once the building renovation is complete. Refer to diagrams in Section 4 for proposed equipment locations.

The boilers should be located on the fifteenth floor of the building because the maximum rating of any hot water boiler is limited 150 psi by the boiler code. The weight of the water bearing on the boilers would be greater than 150 psi if they were located in the basement due to the height of the building. The existing boilers that used to serve the building could be located in the basement because they were steam boilers and had no water weight bearing on them.

It is possible to put the boilers in the basement but there would be a loss in system efficiency to achieve this design. The boilers are more efficient as the supply temperature of the water is decreased. A 300 psi rated water to water heat exchanger in the basement would have to be provided to decouple the boilers from the hot water distribution going up the building. The boilers would have to run at a higher temperature to get decent hot water temperatures in the building loop side of the heat exchanger. This would eliminate the potential to utilize high efficiency condensing boilers because our supply temperature would need to be 180 degrees or higher to get proper heat transfer through the heat exchanger. This design would take two efficiency losses in the system, a loss of efficiency in the boilers and a loss in efficiency at the water to water heat exchanger because the heat transfer is not 100% efficient. The boilers we are recommending have a small amount of water inside them so water leaking down the building from the boilers would not be a major concern with this system design.

D3050 – HVAC Distribution Systems

Henderson Engineers recommends reducing the total number of units serving the building down to 16 units. The new units should be multizone VAV and will have mixing box with MERV 8 pre-filters and MERV 14 final filters, hot water preheat coils, chilled water cooling coils, and fan array supply fans. Below is a list of the units indicating our proposed locations, areas served, and estimated sizes. Refer to diagrams in Section 4 for proposed equipment locations.

Unit	Location	Area Served	Airflow (CFM)
AHU 01	1M	Ground – 1M	20,000
AHU 02	1M	Ground – 1M	20,000
AHU 03	1M	Ground – 1M	20,000
AHU 04	3	2-5	18,000
AHU 05	3	2-5	18,000
AHU 06	3	2-5	18,000
AHU 07	3	2-5	18,000
AHU 08	3	2-5	18,000
AHU 09	7M	6-9	18,000
AHU 10	7M	6-9	18,000
AHU 11	7M	6-9	18,000
AHU 12	7M	6-9	18,000
AHU 13	15	10-15	22,000
AHU 14	15	10-15	22,000
AHU 15	15	10-15	22,000
AHU 16	15	10-15	22,000

The air handlers would distribute ductwork to new VAV boxes with hot water reheat coils for zone level control. New distribution ductwork should be provided in renovated areas as floors are renovated. New VAV boxes should connect to existing ductwork that will remain in areas that are not renovated. Utilizing VAV boxes with reheat should allow the 16 new units to provide superior zoning and temperature control to the existing units.

All existing air handling units should be removed as the areas they served are connected to new units.

D3060 – Ventilation

Ventilation air should be provided through the new air handling units and will meet the requirements of ASHRAE standard 62.1. Air handling units have been proposed to be located along exterior walls. The ventilation air would be distributed to the new air handling units through wall mounted louvers installed in existing window locations for all units installed on the third floor or above. Ventilation air for units located below the third floor should be provided from roof mounted intake hoods located on the roof above the third floor mezzanine level. This would allow the intake air to be further away from grade and the cooling tower and generators.

D3050 – Special Purpose HVAC Systems

General building exhaust ductwork should be replaced on each floor as it is renovated. Existing exhaust fans should be reused as possible and new ductwork and fans should be provided to serve new spaces that require exhaust per code.

A new stairwell pressurization system should be provided for each of the stairwells. The system should consist of a roof mounted exhaust fan with ductwork routed down the building in a rated shaft enclosure adjacent to the existing stairwells. Supply injection points should be provided at multiple locations in the stairwell. A model of the stairwell would need to be provided to determine the quantity and flow of the injection points. All control wiring, control devices, electrical wiring, and equipment required for the new stairwell pressurization system shall be located either outside the building or in a two-hour rated chase. Control wiring and electrical wiring building separation shall extend back to the fire fighter control panel and automatic transfer switch rooms.

A new elevator shaft pressurization system should be provided for each of the elevator shafts. The systems should consist of roof mounted exhaust fans with ductwork routed down the building in a rated shaft enclosure adjacent to the existing elevator shafts. Supply injection points should be provided at multiple locations in the elevator shafts. A model of the elevator shafts would need to be provided to determine the quantity and flow of the injection points. All control wiring, control devices, electrical wiring, and equipment required for the new elevator shaft pressurization systems shall be located either outside the building or in a two-hour rated chase. Control wiring and electrical wiring building separation shall extend back to the fire fighter control panel and automatic transfer switch rooms.

D3060 – Controls and Instrumentation

A new direct digital controls system should be provided to serve all new HVAC equipment provided. The controls system should be U.L. listed for use in smoke controls systems and should be located in

the fire command center. A fire fighter control panel should be provided to serve the stairwell and elevator pressurization systems. This panel should be located in the fire command center as well.

The existing controls should remain until the associated equipment that is served by the controls is removed. Any existing equipment left to remain should be migrated to the new controls system when the area that equipment serves is renovated. Upon project completion all equipment should be on the new controls system and the existing controls should be removed.

Electrical

Building electrical supply is via medium voltage source from the utility. Medium voltage is distributed via 3 Unit Sub-Stations (USS) with two located at the basement level and one located on the 15th floor. Power is transformed to 208V and distributed through the building via Bus Ducts from one of the basement USS and the 15th floor USS to distribution equipment on each floor. The second USS located in the basement level provides 480V distribution where required. Panels are scattered throughout the floors and are not consistent floor to floor. Emergency distribution is provided by a single 480 volt emergency generator set through a distribution panel to the fire pump controller with integrated ATS and Building ATS.

Normal Power Supply System (NPSS)

Building normal power supply is via utility provided power from Evergy power.

D5011 – Medium Voltage Switchgear

Medium voltage primary distribution is in like new condition and has no requirements.

D5011 – Medium Voltage Switchgear

Medium Voltage 15KV class distribution switchgear located in basement mezzanine electrical room placed into service in late 2020 is in like new condition.

We recommend that all permanent identifier tags and emergency operations documentation be installed on the equipment.

D5012 – Normal Power Distribution

Low voltage normal power distribution for the facility begins on the basement level with Unit Sub-Stations MSB2 (15kV:208/120V) and MSB1 (15kV:480/277V) as well and fifteenth floor MSB3 (15kV:208/120V). We recommend installation of al permanent identifier tags and emergency operation documentation for this equipment.

The vertical bus ducts from basement level up and the twelfth floor down were installed approximately 1965 and are well beyond their service life. This equipment has exhibited clear signs of heat damage on multiple floors in both ducts. Even at low levels of loading present in the building, infrared thermographic photos at connections show serious imbalance of loads. We recommend full replacement of the bus duct as it is currently well beyond its service life and undersized for modern loading levels.

The core distribution panels for each floor from ground up through fifteenth floor are 1965 model panels and are undersized for modern loads as is evidenced by taps that have been done around the panels. The current panels do not have the capacity required to properly serve the floors as they are fully renovated. We would recommend replacing these with panels sized properly for the loads of each floor and connected to the new bus duct distribution system.

Typical distribution panels on floors (average of 5 per floor) range in age from 1965 through the mid 1980s. While generally in fair condition, each panel opened showed debris, dust and signs of heat and cool cycles. We would recommend that for the short term, these panel be opened, vaccum cleaned and all lugs tightened with a torque device to hold off any early demise. Panels should be tested for balance and loads moved to balance panels to the maximum extent possible to provide even loading on the entire distribution system. As areas are replaced, all current remote panels should be replaced with modern panels and feeds that meet current code for neutral and ground capabilities.

All electrical systems on the detention levels including distribution, lighting, disconnecting means and branch circuitry is dangerously aged and we recommend full replacement before occupying these levels.

Branch circuit distribution is typically achieved with surface mounted raceway. Distribution of 700 series wiremold is lacking in many areas and there were a significant number of power strips to extend circuitry present. We recommend augmenting existing circuitry with additional circuits and receptacles in cubicle areas to meet currently accepted density levels.

D5040 – Lighting

Lighting on most floors is converted T12 fixtures in areas that have not been renovated in the past twenty or more years. We recommend servicing these fixtures to keep them operational as needed until areas are renovated. Replacement of lamps with linear LED lamps should provide the most energy efficient option.

D5020 – Exterior Lighting Systems

Exterior lighting systems for the building are generally metal halide and other for parking lots and wall packs.

Rooftop flag pole lighting is 1000 W metal halide fixtures

We recommend an energy based re-lighting project to change lighting fixtures to energy efficient LED lighting fixtures. Any fixtures that would be desirable to keep for appearance could be retrofitted with LED drivers and lamps.

Emergency Power Supply System (EPSS)

D5092 Emergency Systems

The current emergency power system is undersized for the typical usage of the building. The distinction and distribution of the emergency power is not consistent with those of high rise requirements per model building codes, NEC and accepted practices. We would recommend installing two enclosed generators outside on grade at the southeast corner of the building in secured

enclosures. Provide new code compliant distribution through all floors. Current wiring from the ground floor to the upper level floors does not take voltage drop into account which will undervolt lighting and connected equipment.

We would recommend separation of life safety and code required standby loads with risers for each system installed throughout the floors to allow for safe egress of the building but also allow for the building temperatures to be maintained in the case of extended power loss during cold weather.

Plumbing

D2010 Plumbing Fixtures

Henderson recommends replacing non-functioning plumbing fixtures where identified within the database, with new fixtures and flush valves matching the ongoing standardization of such.

For areas where renovation levels dictate the need, non-compliant plumbing fixtures should be replaced with new ADA-Compliant plumbing fixtures with appropriate heights, clearances, etc.

Henderson recommends continuing with the replacement of flush valves and trim with new sensor operated valves and trim to obtain a more standardized inventory of parts necessary for repairs. This can be done on a proactive or reactive basis as budget allows. The vitreous china and stainless steel in many cases can remain, and should only be replaced if severly worn or broken. Many of the hanger supports for wall mounted fixtures can remain and be reused for support of new vitreous china fixtures where compatibilty allows.

D2020 Domestic Water Distribution

Henderson recommends replacing much of the domestic water distribution piping with new copper piping, starting with the vertical risers. Many of the vertical riser diagrams are constructed of galvanized piping, which is susceptible to failures in joints and piping due to corrosion. The piping should be replaced in place, with similar pathways taken to reestablish risers with separation and reduction of pressures as required. Each of the replaced riser diagrams should reconnect to the existing copper branch piping each respective floor to backfeed domestic cold, hot, and hot water recirculation piping.

When modifying restrooms and miscellaneous break room sinks, Henderson recommends replacing the the branch distribution piping back to the risers or to the extent of renovation as required.

D2023 Domestic Water Equipment

Henderson recommends general routine maintenance continue on the domestic water booster pump system. Given the intermittent use of fixtures, the pumps were observed to be cycling occasionaly while onsite. A downstream diaphragm tank should be considered to accommodate small changes in pressure without the need for pump cycling.

Henderson recommends continuing general maintenance on the domestic water heating equipment. Based upon the HVAC recommendation to replace the district steam system with a new centralized hydronic heating system, the domestic water heating equipment will lose it’s heat source. Due to this,

Henderson recommends replacing the domestic water heating equipment with new gas fired instantaneous water heaters located within the basement.

Henderson recommends draining and removing the domestic water storage tanks located on the fourteenth floor of the facility. These tanks have been valved off and abandoned in place, and complete removal should be considered to make space for new mechanical equipment.

D2030 Sanitary Waste

Henderson recommends replacing much of the sanitary waste and vent piping with new cast iron piping, starting with the vertical risers. Many of the vertical riser diagrams are constructed of cast iron which wears over time due to exposure to sewer gases and sewage. The piping should be replaced in place, with similar pathways taken to reestablish risers as required. Each of the replaced riser diagrams should reconnect to the existing cast iron branch piping in each respective floor to continue to serve fixtures.

D2040 Rainwater Drainage

Henderson recommends replacing the roof drain bodies at a time that aligns with the next roof replacement. At this time, secondary overflow roof drains should be installed, with alarming devices should water flow through the secondary drains. Beyond this flow measuring device, the two piping leaders should be connected and routed through the vertical risers.

Henderson recommends replacing the cast iron roof drainage piping risers and leaders as the cast iron piping has reached the end of its useful life.

Fire Protection

The existing fire protection systems in the building do not meet current codes and standards. At a minimum, those systems will require upgrades when renovations are performed on a floor.

D7050 – Fire Alarm

The emergency voice/alarm communication system is not currently functioning and the system is not capable of providing audible notification to building occupants during a fire emergency. This deficiency requires immediate attention and should be repaired as soon as possible. It is not known if the impairment is limited to control equipment or also includes field appliances. It is recommended that this repair is preformed prior to the start of any renovation work in the building.

The existing system arrangement does not provide adequate audible notification and visible notification to persons that are hearing impaired. Additional audible and visible notification appliances should be provided in all public and common use areas. It is recommended that the additional notification appliances are provided as each floor is renovated.

The fire alarm control panel is recommended to be located in a new fire command center, constructed and arranged in accordance with the IBC. The relocation of the fire alarm control panel should occur during Phase 1 of the project. Fire alarm initiating devices, where not directly compatible with the fire alarm control panel, should be replaced as each floor of the building is renovated.

D4020 – Standpipes

The east standpipe system should be upgraded to provide Class I fire hose connections for fire deparment use. In addition to new hose connections, this would also require the existing vertical riser to be increased to a minimum of 6-inches in size. This upgrade is recommended to occur in Phase 1.

D4010 – Sprinklers

The entire building should be sprinklered by the completion of the multi-phase project. It is recommended that all existing sprinklers are tested or replaced in accordance with NFPA 25.

Automatic sprinkler protection should be added to each floor of the building as each floor is renovated. The existing west stairway standpipe should be adequately sized to supply new sprinkler systems. The east stairway standpipe will be adequately sized to supply sprinkler systems when it is replaced.

Security

The electronic physical security subsystems should be updated and integrated to provide security personnel with a single user interface displaying relevant system status having supporting video surveillance images.

Intrusion detection and duress alarms should report to the security system to provide full situational awareness for the security staff.

All subsystems should be time-synchronized and be provided with standby generator power to include UPS power to bridge the connection time to standby power.

In general, our recommendations are to expand the electronic physical security systems to accommodate applicable Category B (“Critical”) and Category C (“Essential”) Best Practice recommendations offered within the Courthouse Security Assessment Final Report issued April 9, 2020, as authored by the National Center for State Courts (NCSC).

D7010 – Access Control

The access control system should be updated to include Open Supervised Device Protocol (OSDP) - compliant card readers and control boards. Cabinets house control boards and power supplies should be modified to include tamper sensing such that an alarm is registered within the system when the cabinet doors are opened. Cabinet doors should be provided with door locks.

Cabinets should be added to house backup batteries where current battery placement impedes access to the control boards or obscures observation of status LEDs.

Doors having locks magnetically held should be brought into Code compliance to include exit sensors, labeled manual override controls at the door, and fire alarm interface to release the doors on upon fire alarm activation.

D7030 - Video Surveillance

The video surveillance system consists of a number of digital, Powered over Ethernet (PoE) cameras that are recorded and managed off-site. The courthouse is undergoing a camera replacement project to address the diminished image quality of many of the cameras.

Camera coverage should be increased to better survey the building perimeter, public entry and screening areas, stairwells, and add coverage within the courtrooms.

D7040 - Intercom

The intercom systems should be consolidated to afford ring-down (centralized backup support) capability, upgraded to improve image quality, and integrated with the access control system to assure auditable access.

D7050 - Duress

The wireless duress systems should be replaced with a single, wired system integrated with the security control system. Initiating stations should be fixed in location and have locking activation buttons to ensure an investigative response from the security staff to both investigate the cause for alarm initiation, and to release the station button lock. Prior to executing any expansion or changes to the existing duress system or it's functionality, a thorough review of the proposed system architecture, physical installation, system operation, and operational response should be reviewed and confirmed with the Sheriff's Department, Judges, Court Services, and other stake holders. Additional system requirements may include localized visual and/or audible alarm annunciation, automated radio dispatch, and primary and secondary annunciation to local and remote locations.

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Section 4

Project Phasing Plan

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During the survey phase, the team became aware of the availability of a single-source funding mechanism making it possible to perform an overall building renovation to address the building's system requirements as well as to address the programming needs by re-stacking the building per the Space Needs Assessment. As such, in lieu of providing capital renewal recommendations per the RFP, this section recommends the following project phases, with Phase I and portions of Phase II being recommended for immediate implementation. The following recommendations incorporate the systems recommendations previously discussed as well as the recommendations of the Space Needs Assessment. However, these recommendations are high-level in nature and further study and design should be performed at the next phase of the project.

Phase I – MEPFT Infrastructure (Vertical)

The first phase should include the installation of MEPFT base equipment and vertical infrastructure. This work should occur while maintaining the existing building infrastructure and with minimal disruption to the building occupants. The proposed work would occur primarily in the basement and fifteenth floors and on the south end of the center core. There would also be work at the southeast corner of the building for the installation of the cooling towers and generators. Phase II lateral MEPFT infrastructure would tap off of the Phase I vertical infrastructure.

A chilled water plant should be installed in the basement and a hot water boiler plant should be installed on the fifteenth floor. Chilled water and hot water piping should be installed in the abandoned boiler flue chase south of the west bank of elevators (CH-01). Once the new chilled water plant is installed it would provide an opportunity to tie the existing systems to the new chilled water plant and get the facility off of the utility sooner. Combining phases will allow the new hydronic heating system to come on line in earlier phases and reduce the steam utility use as the piping is demolished by phase.

An electrical bus should be installed in the east chase south of the east bank of elevators (CH-04). The electrical bus would be connected to the new switchgear in the basement. Main panels should be installed in the small spaces south of the chases.

Domestic cold and hot water mains should be installed in the same chase as the HVAC hydronic lines.

The fire sprinkler main in the east stair should be replaced with a 6" diameter main.

The scope of work for Phase I includes the following scope of work:

- Demolition and environmental abatement.
- Repair of structure as required for new work.
- Fire-rated enclosure of fire pump room in basement and boiler room at fifteenth floor.
- Architectural finishes and rated partition walls to support installation of MEPFT.
- Cooling towers.
- Generator.
- Chilled water plant.
- Chilled water vertical piping w/ tees to AHU floors.
- Hot water plant / domestic hot water plant.
- Hot water vertical piping w/ tees.
- Domestic cold water, domestic hot water mains + tees. New sanitary mains in common riser.
- Electrical vertical busduct infrastructure.

- Fire sprinkler main in east stair.

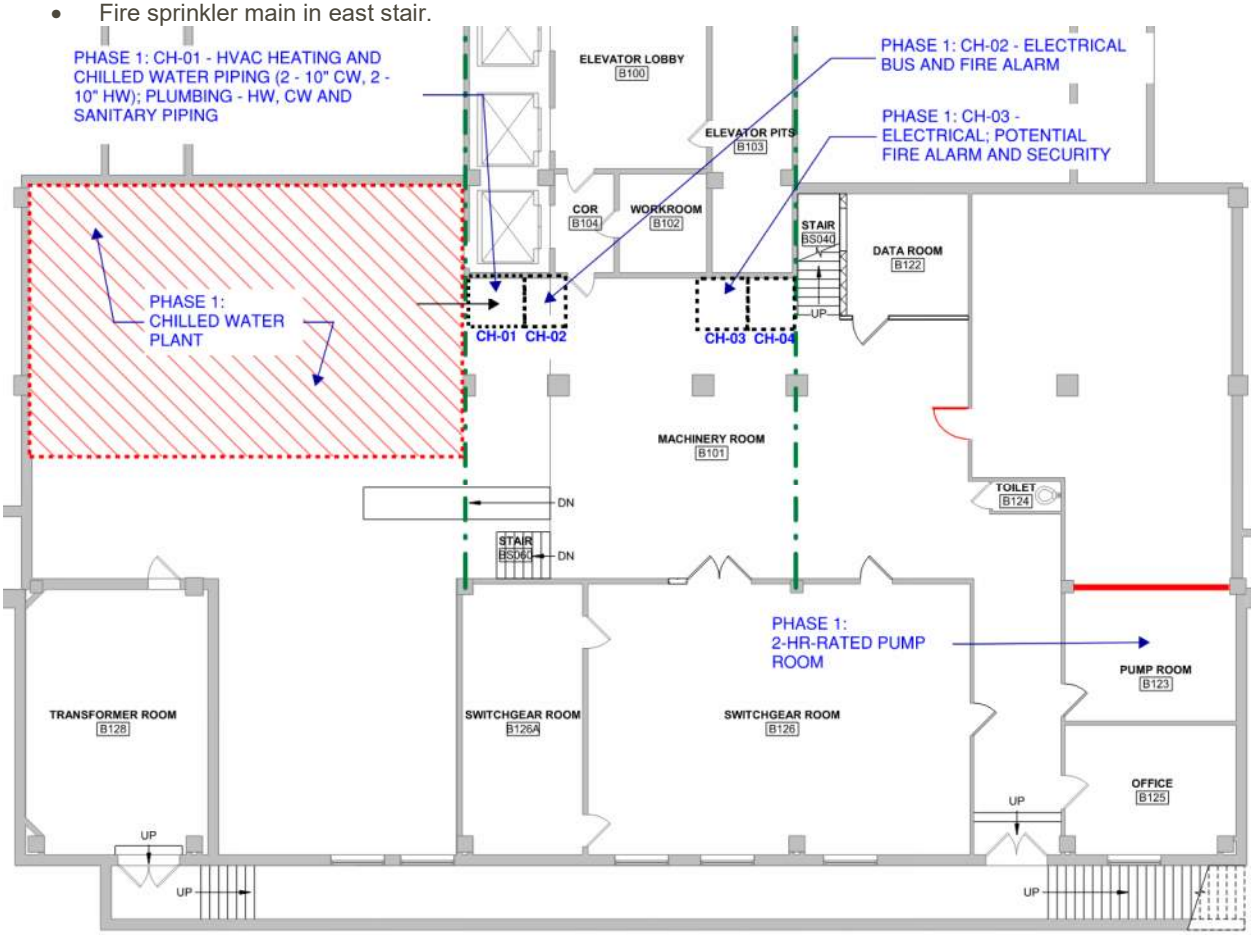


Image 185 – Basement floor showing Phase I work.

Phase II – Interiors, MEPFT/Security Infrastructure (Lateral) and Exterior Shell (By Floor)

The Phase II scope of work should be organized into sub-phases to conduct the interior repair and alteration of each floor from the top of the building down while the building remains occupied. The roof and exterior shell should be addressed by its associated floors being repaired and altered. Swing space should be established as part of the first sub-phase. Architectural work should include the repair of historic features and finishes and alterations to the spaces following the re-stacking plans. As new infrastructure is installed, the existing infrastructure should be taken offline and demolished. The following recommendations exclude additions to the building such as security vestibules or a parking garage. Consideration should be given to security vestibule addition/s during the design phase of the project.

The exterior shell, including the roof and facades, should be restored as its associated floors are being restored. The restoration of the exterior shell should be integrated with the installation of louvers for new air-handling units. Restore the limestone, granite and brick masonry, steel windows, and bronze and

aluminum grilles and spandrel panels. Install bullet-resistant glass at all first floor windows. Replace the aluminum storefront doors with bronze clad commercial doors. Replace all sealant joints. Install a new modified bitumen roof and counterflashing regleted into the masonry joints.

Electrical sub panels and other sub ditribution should be installed during this phase. The lateral electrical work with devices and lighting that match the level of renovation would happen here as well. All of this work would connect back the the main distribution completed in the prior phase. New electrical equipment and distribution rooms should be stacked and centralized per floor.

Plumbing laterals and fixtures matching the levels of rennovation should occur during this phase. All lateral work would connect back to the mains completed during Phase I.

The fire sprinkler laterals should be installed during Phase II. The fire alarm system would be installed by renovation sub phase as well and be installed per the required uses.

Technology equipment and distribution rooms should be installed stacked and centralized per floor.

The following sub-phases follow the installation of the centralized air handling units:

- Phase II-A – Tenth thru Fifteenth floor Floors (AHU Floor: Fifteenth floor)
- Phase II-B – Sixth thru Ninth Floors (AHU Floor: 7M)
- Phase II-C – Second thru 5M (AHU Floor: 3)
- Phase II-D – Basement thru 1M (AHU Floor:1M)

Repair and Alteration Construction Zones

The Phase II renovations fall within three (3) general categories of repair and alteration – light, medium and heavy. The light repair and alteration construction zone covers the main lobbies and corridors where the scope of work is primarily the repair of the existing finishes and features while integrating new MEPFT infrastructure with minimal alteration to the space. The medium repair and alteration construction zone covers the office spaces where the scope of work includes the repair of the existing finishes and features, alterations to the space to accommodate the re-stacking of the building, and the integration of new MEPFT infrastructure. The heavy repair and alteration construction zone covers the highly finished spaces such as the courtrooms, judges' chambers, jury assembly room, and conference rooms where the scope of work includes the repair of the existing finishes and features, the installation of a high level of new finishes and features, alterations to the space to accommodate the re-stacking of the building, and the integration of new MEPFT infrastructure. The heavy construction zone would also cover the jail floors where all new systems would be required.

Light Construction Zone:

- Demolition and environmental abatement.
- Repair of structure as required for new work.
- Repair of existing architectural finishes and features.
- Removal of systems and make safe (lighting, fire alarm, HVAC and overhead ductwork) as required for new work.

- Historically sensitive / restored LED light fixtures (precedence from Remediation Project) with relay-based system for public corridors.
- Zone level mechanical (updated diffusers, medium and low pressure VAV ductwork, heating hot water piping to new VAV boxes, DDC controls).
- Overhead sprinkler system.
- Voice fire alarm system.
- Technology cabling from new racks/centralized distribution closets to existing / lightly relocated devices.
- Audio/visual.
- Security systems – access control, intrusion detection, video surveillance cabling to new closets.
- Minimal receptacle additions/relocations w/ branch circuiting to accommodate minimal wall / reprogramming.

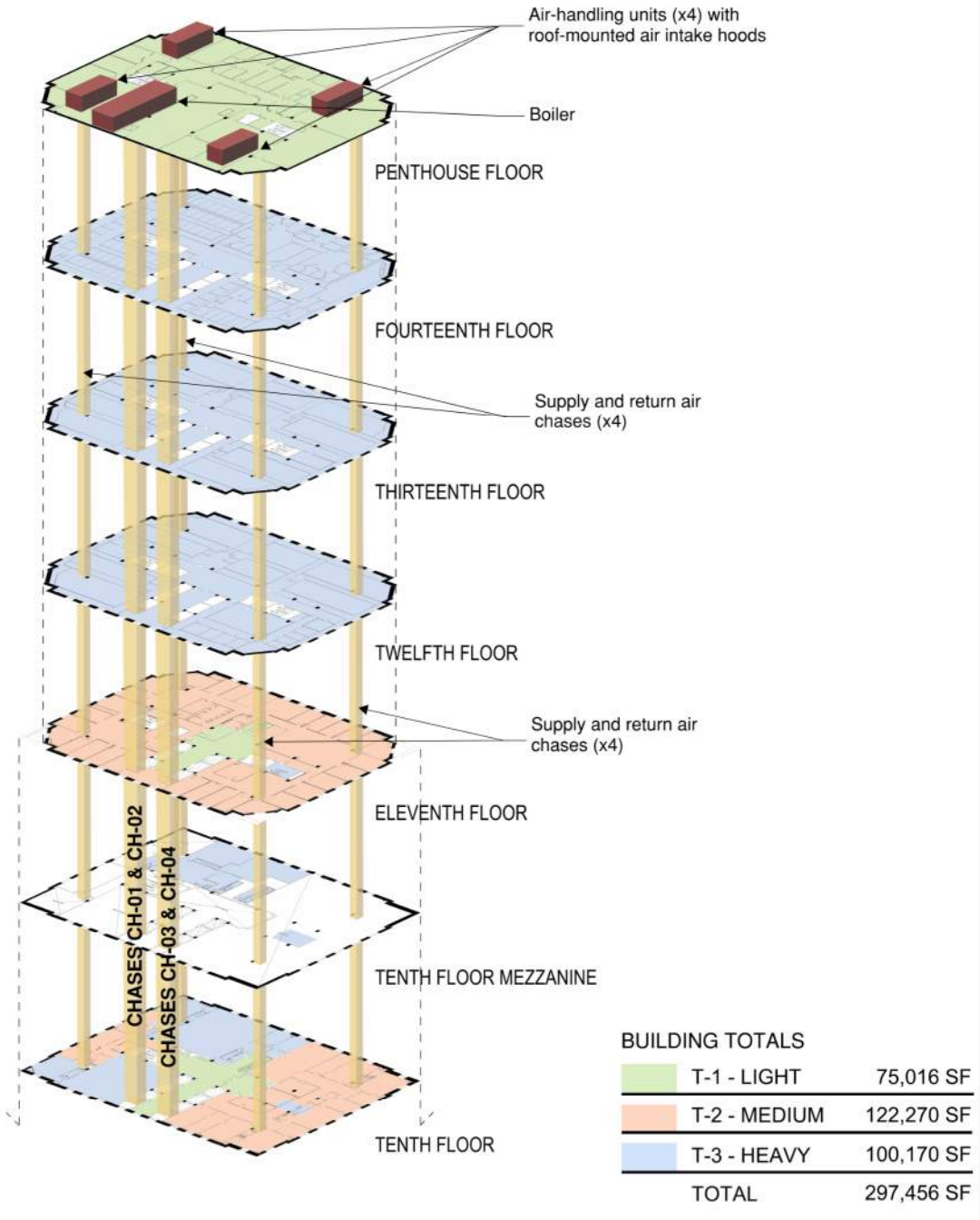
Medium Construction Zone:

- Demolition and environmental abatement.
- Repair of structure as required for new work.
- Repair of existing architectural finishes and features.
- Alteration of space to accommodate building re-stacking.
- Address code deficiencies. An interior staircase should be constructed to connect 8M to the eleventh floor.
- Remove systems and make safe (lighting, fire alarm, HVAC and overhead ductwork) as required for new work.
- Standardized LED light fixtures (assume LED recessed volumetric troffers for office/admin) and low-voltage distributed control systems with occupancy sensors.
- Zone level mechanical (updated diffusers, medium and low pressure VAV ductwork, heating hot water piping to new VAV boxes, DDC controls).
- Overhead sprinkler system
- Voice fire alarm system
- Technology cabling from new racks/centralized distribution closets to existing / lightly relocated devices.
- Audio/visual
- Security systems – access control, intrusion detection, video surveillance cabling to new closets
- Minimal receptacle additions/relocations to accommodate minimal wall / reprogramming

Heavy Construction Zone:

- Demolition and environmental abatement.
- Repair of structure as required for new work.
- Repair of existing architectural finishes and features.
- Alteration of space to accommodate building re-stacking; installation of high-level finishes and features.
- Address code deficiencies.
- Historically sensitive / restored LED light fixtures (precedence from Remediation Project for courtrooms, judges' chambers, jury rooms) with updated dimming controls.
- Zone level mechanical (updated diffusers, medium and low pressure VAV ductwork, heating hot water piping to new VAV boxes, DDC controls).
- Overhead sprinkler system.
- Voice fire alarm system.
- Technology – racks to jacks, new boxes, new infrastructure.
- Audio/visual.
- Intercom.
- Security systems.
- Branch circuiting and electrical devices.
- Updated plumbing fixtures, wet wall domestic cold water and hot water in chase plumbing and tie-ins to sanitary mains.

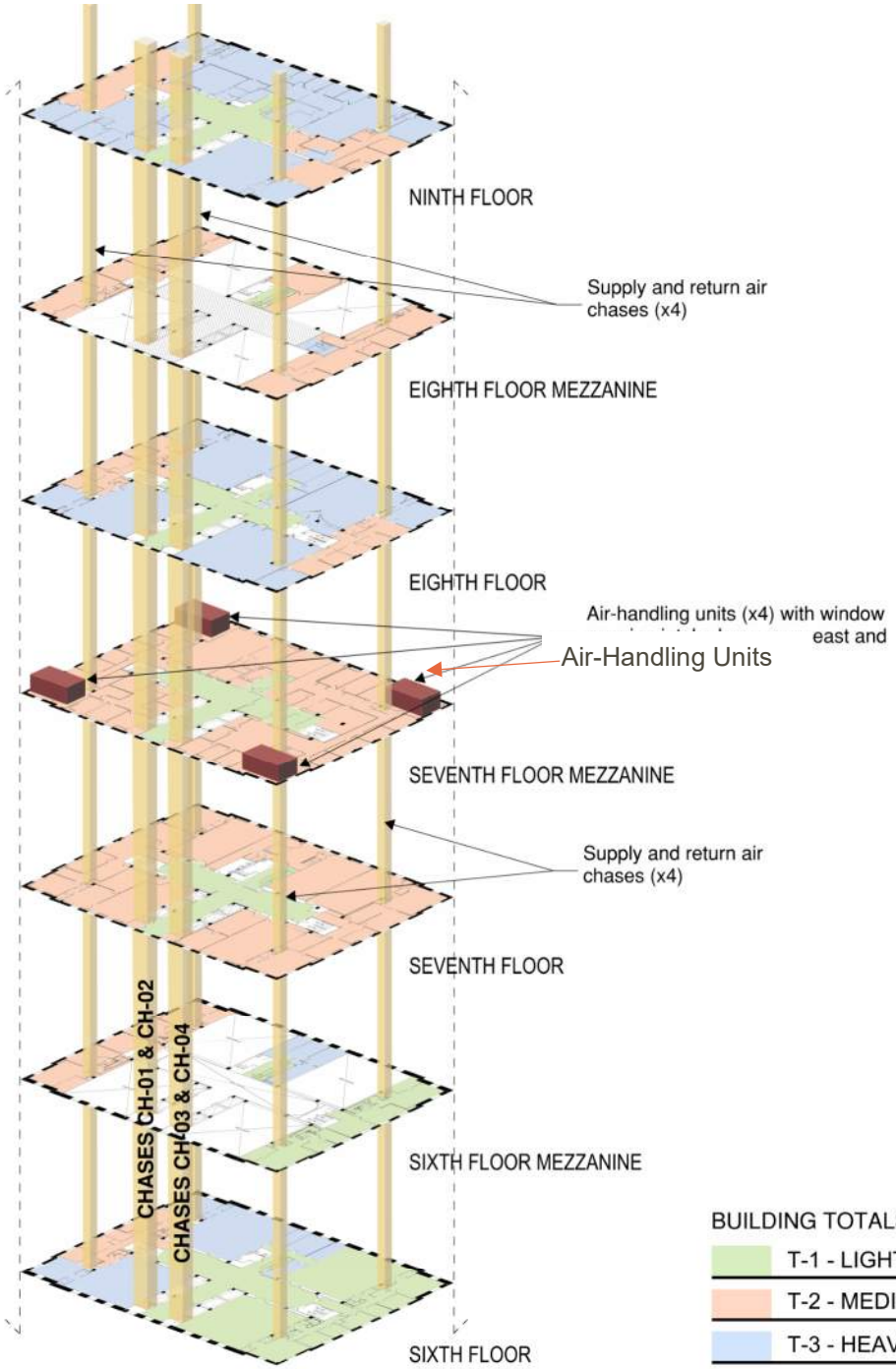
Construction Zone Diagrams:



CONSTRUCTION ZONES - AXON PHASE 11A

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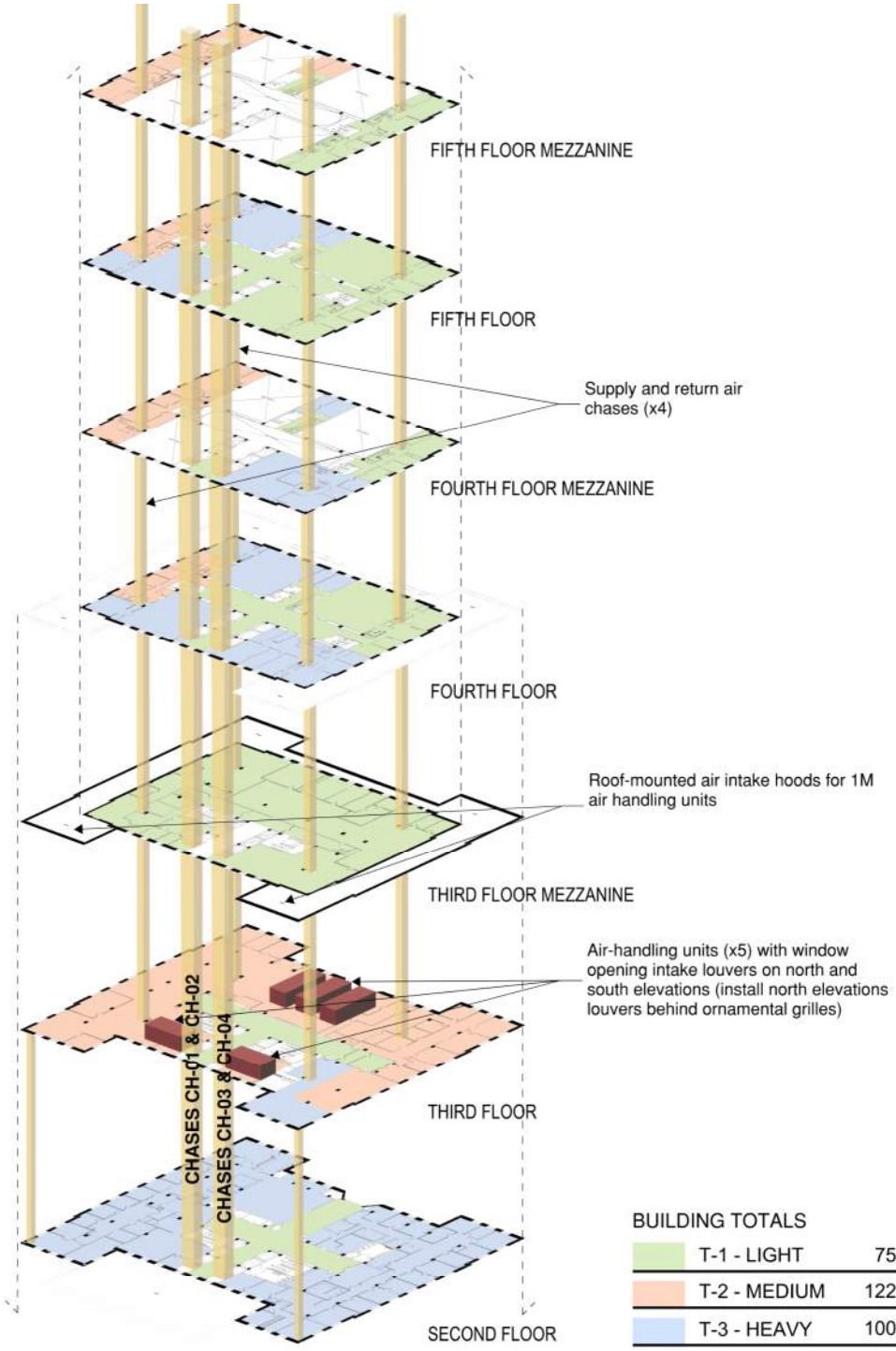


BUILDING TOTALS	
T-1 - LIGHT	75,016 SF
T-2 - MEDIUM	122,270 SF
T-3 - HEAVY	100,170 SF
TOTAL	297,456 SF

CONSTRUCTION ZONES - AXON PHASE 11B

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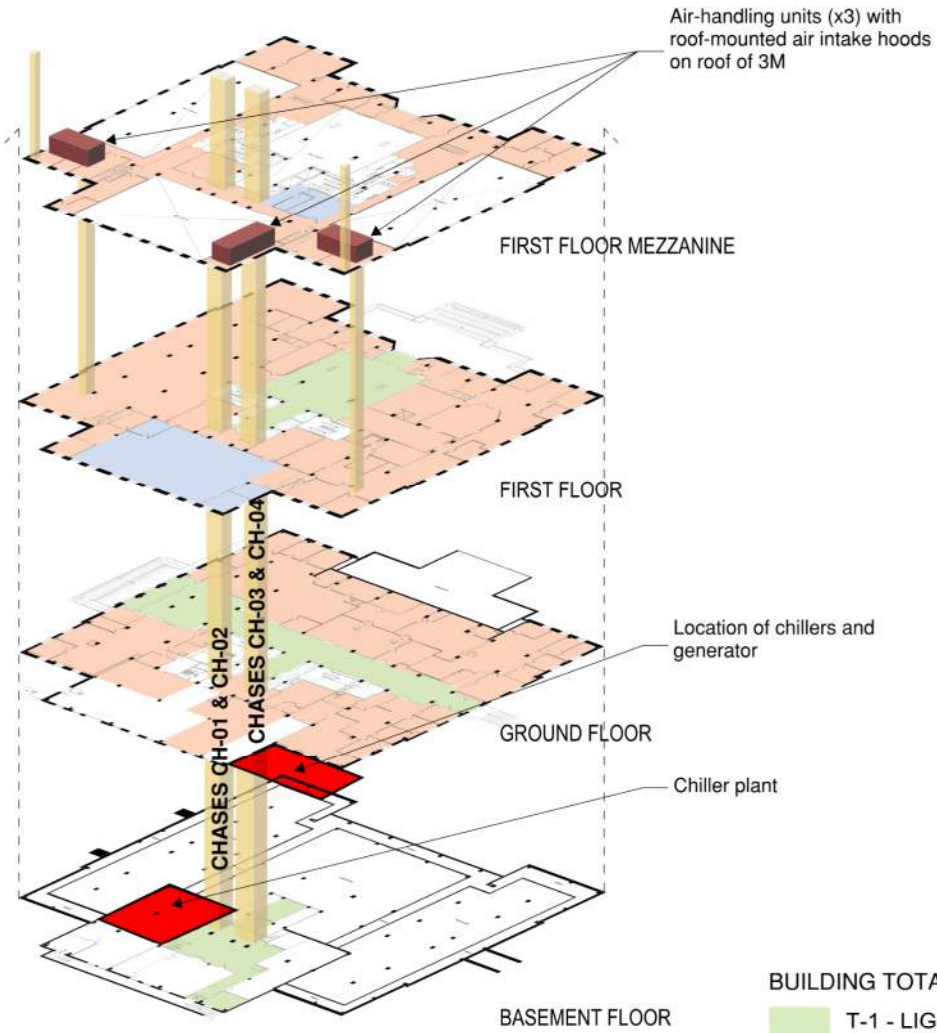
BUILDING TOTALS

T-1 - LIGHT	75,016 SF
T-2 - MEDIUM	122,270 SF
T-3 - HEAVY	100,170 SF
TOTAL	297,456 SF

CONSTRUCTION ZONES - AXON PHASE 11C

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BUILDING TOTALS	
T-1 - LIGHT	75,016 SF
T-2 - MEDIUM	122,270 SF
T-3 - HEAVY	100,170 SF
TOTAL	297,456 SF

CONSTRUCTION ZONES - AXON PHASE 11D

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Phase III –Site and Security

Following the complete repair and alteration of the interior of the building and the exterior shell, the site and site security deficiencies should be addressed.

Site

Provide spot repairs of the public sidewalks and repair the north set of entry stairs. Replace area drain inlet covers and clean out the trench drain on the east side of the building. Install secure and obscure enclosures to protect and conceal all mechanical equipment. Install bollards or heavy decorative planters in front of the plaza on the north side to prevent vehicular assault. Replace the parking lot pavement and install new signage and a secure, opaque fence at least seven feet in height around the parking lot with with secured sliding gates. Install a third set of lights at the parking lot, positioned in the middle of the lot.

Cost Estimate and Schedule

The following cost estimate is organized by the recommended phases. The cost estimate reflects demolition costs including environmental abatement, system replacement costs from VFA Facility, and square footage costs for tenant improvement based on light, medium and heavy construction zones. The cost estimate also includes the following:

10% - General Conditions
10% - General Contractor Overhead & Profit
20% - Design Contingency
15% - Construction Contingency
5-6% - Escalation to Mid-Point of Construction
20% - Soft Costs (FFE, Moving Fees, Design Fees)

Years 2022-2024 (3 Years)

Phase I – MEPFT Infrastructure (Vertical)	$78,564.528
Phase IIA – (Tenth Floor – Fifteenth floor)	$40,861,729
Sub-Total	**$129,426,257**

Years 2026-2029 (4 Years)

Phase IIB – (Sixth Floor – Ninth Floor)	**$42,282,549**
Phase IIC – (Second Floor - Fifth Floor Mezz)	**$50,924,829**
Phase IID – (Basement – First Floor Mezz)	**$31,086,037**

Year 2030 (1 Year)

Phase III – Site	**$1,714,175**
TOTAL	**$255,433,847**

Jackson County Downtown Courthouse Facility Condition Assessment

Rough Order of Magnitude Estimate

June 17, 2021

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PHASE I

2022

Renovation Level	BUILDING SF	$ / SF ARCH	$ / SF MEP	VFA $ / SF	BLDG INFRA $ / SF	SUB TOTAL	Design Contingency		Construction Contingency		Escalation Midpoint of Construction	Gross Construction Cost	S$ / SF
							20%	$143.18	15%	$164.66	6%		
	310,000	$5.32		$4.00	$110.00	$36,989,200.00	$7,397,840.00	$44,387,040.00	$6,658,056.00	$51,045,096.00	$3,062,705.76	**$54,107,801.76**	**$174.54**
GC General Conditions											10%	**$5,410,780.18**	
GC Overhead & Profit											10%	**$5,951,858.19**	
Soft Costs											20%	**$13,094,088.03**	
Total												**$78,564,528.16**	

PHASE IIA (Tenth Floor - Penthouse)

6%

TI Light	15,963	$20.00	$68.00	$43.00	$45.00	$2,809,488.00	$561,897.60	$3,371,385.60	$505,707.84	$3,877,093.44	$232,625.61	$4,109,719.05	$257.45
TI Medium	17,978	$29.00	$85.00	$43.00	$45.00	$3,631,556.00	$726,311.20	$4,357,867.20	$653,680.08	$5,011,547.28	$300,692.84	$5,312,240.12	$295.49
TI Heavy	43,733	$170.00	$108.00	$43.00	$45.00	$16,006,278.00	$3,201,255.60	$19,207,533.60	$2,881,130.04	$22,088,663.64	$1,325,319.82	$23,413,983.46	$535.38
Sub-Total	77,674					$22,447,322.00						**$32,835,942.62**	**$422.74**
Exterior Shell				$2,176,607.00		$2,176,607.00	$435,321.40	$2,611,928.40	$391,789.26	$3,003,717.66	$180,223.06	**$3,183,940.72**	
GC General Conditions											10%	**$3,283,594.26**	
GC Overhead & Profit											10%	**$3,611,953.69**	
Soft Costs											20%	**$7,946,298.11**	
Total												**$50,861,729.41**	
Grand Total												**$129,426,257.56**	

Jackson County Downtown Courthouse Facility Condition Assessment

Rough Order of Magnitude Estimate

June 17, 2021

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PHASE IIB (6th Floor - 9th Floor)

2023 mid-point of construction

Renovation Level	BUILDING SF	$ / SF ARCH	$ / SF MEP	VFA $ / SF	BLDG INFRA $ / SF	SUB TOTAL	Design Contingency		Construction Contingency		Escalation Midpoint of Construction	Gross Construction Cost	$ / SF
							20%		15%		11%		
TI Light	16,966	$20.00	$68.00	$43.00	$45.00	$2,986,016.00	$597,203.20	$3,583,219.20	$537,482.88	$4,120,702.08	$453,277.23	$4,573,979.31	$269.60
TI Medium	35,056	$29.00	$85.00	$43.00	$45.00	$7,081,312.00	$1,416,262.40	$8,497,574.40	$1,274,636.16	$9,772,210.56	$1,074,943.16	$10,847,153.72	$309.42
TI Heavy	21,659	$170.00	$108.00	$43.00	$45.00	$7,927,194.00	$1,585,438.80	$9,512,632.80	$1,426,894.92	$10,939,527.72	$1,203,348.05	$12,142,875.77	$560.64
Sub-Total	73,681					$17,994,522.00						**$27,564,008.80**	**$374.10**
Exterior Shell				$1,475,133.00		$1,475,133.00	$295,026.60	$1,770,159.60	$265,523.94	$2,035,683.54	$223,925.19	**$2,259,608.73**	
GC General Conditions											10%	**$2,756,400.88**	
GC Overhead & Profit											10%	**$3,032,040.97**	
Soft Costs											20%	**$6,670,490.13**	
Total												**$42,282,549.51**	

PHASE IIC (Second Floor - 5th Floor Mezzanine)

2023 mid-point of construction

Renovation Level	BUILDING SF	$ / SF ARCH	$ / SF MEP	VFA $ / SF	BLDG INFRA $ / SF	SUB TOTAL	Design Contingency		Construction Contingency		Escalation Midpoint of Construction	Gross Construction Cost	$ / SF
							20%		15%		11%		
TI Light	33,346	$20.00	$68.00	$43.00	$45.00	$5,868,896.00	$1,173,779.20	$7,042,675.20	$1,056,401.28	$8,099,076.48	$890,898.41	$8,989,974.89	$269.60
TI Medium	22,592	$29.00	$85.00	$43.00	$45.00	$4,563,584.00	$912,716.80	$5,476,300.80	$821,445.12	$6,297,745.92	$692,752.05	$6,990,497.97	$309.42
TI Heavy	30,461	$170.00	$108.00	$43.00	$45.00	$11,148,726.00	$2,229,745.20	$13,378,471.20	$2,006,770.68	$15,385,241.88	$1,692,376.61	$17,077,618.49	$560.64
Sub-Total	86,399					$21,581,206.00						**$33,058,091.35**	**$382.62**
Exterior Shell				$1,909,179.00		$1,909,179.00	$381,835.80	$2,291,014.80	$343,652.22	$2,634,667.02	$289,813.37	**$2,924,480.39**	
GC General Conditions											10%	**$3,305,809.14**	
GC Overhead & Profit											10%	**$3,636,390.05**	
Soft Costs											20%	**$8,000,058.11**	
Total												**$50,924,829.03**	

Jackson County Downtown Courthouse Facility Condition Assessment

Rough Order of Magnitude Estimate

June 17, 2021

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PHASE IID (Basement - 1st Floor Mezzanine)

2023 mid-point of construction

Renovation Level	BUILDING SF	$ / SF ARCH	$ / SF MEP	VFA $ / SF	BLDG INFRA $ / SF	SUB TOTAL	Design Contingency		Construction Contingency		Escalation Midpoint of Construction	Gross Construction Cost	$ / SF
							20%		15%		11%		
TI Light	8,741	$20.00	$68.00	$43.00	$45.00	$1,538,416.00	$307,683.20	$1,846,099.20	$276,914.88	$2,123,014.08	$233,531.55	$2,356,545.63	$269.60
TI Medium	46,644	$29.00	$85.00	$43.00	$45.00	$9,422,088.00	$1,884,417.60	$11,306,505.60	$1,695,975.84	$13,002,481.44	$1,430,272.96	$14,432,754.40	$309.42
TI Heavy	4,317	$170.00	$108.00	$43.00	$45.00	$1,580,022.00	$316,004.40	$1,896,026.40	$284,403.96	$2,180,430.36	$239,847.34	$2,420,277.70	$560.64
Sub-Total	59,702					$12,540,526.00						**$19,209,577.73**	**$321.76**
Exterior Shell				$2,085,540.00		$2,085,540.00	$417,108.00	$2,502,648.00	$375,397.20	$2,878,045.20	$316,584.97	**$3,194,630.17**	
GC General Conditions											10%	**$1,920,957.77**	
GC Overhead & Profit											10%	**$2,113,053.55**	
Soft Costs											20%	**$4,648,717.81**	
Total												**$31,086,937.03**	
	297,456												

PHASE III

2022

Renovation Level	BUILDING SF	$ / SF ARCH	$ / SF MEP	VFA $ / SF	BLDG INFRA $ / SF	SUB TOTAL	Design Contingency		Construction Contingency		Escalation Midpoint of Construction	Gross Construction Cost	$ / SF
							20%		15%		6%		
				$807,056.00		$807,056.00	$161,411.20	$968,467.20	$145,270.08	$1,113,737.28	$66,824.24	**$1,180,561.52**	
GC General Conditions											10%	**$118,056.15**	
GC Overhead & Profit											10%	**$129,861.77**	
Soft Costs											20%	**$285,695.89**	
Total												**$1,714,175.32**	

Grand Total	310,000				$387.12	**$120,006,291.00**						**$255,434,748.46**	

Section 5

Appendix A: Life Safety Plans

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TOTAL

Men	Women	Unisex	Private
50 WC 34 Ur 46 Lav	53 WC 40 Lav	38 WC 35 Lav	26 WC 26 Lav

CODE INFORMATION

BUILDING DESCRIPTION
Jackson County Courthouse
Address: 415 E 12th St, Kansas City, MO 64106
Authority Having Jurisdiction: Jackson County
Construction: Concrete and steel frame system, one-way concrete pan-joist floor slab systems, multi-wythe brick masonry exterior walls, wide flange steel columns and beams are generally encased in concrete, interior walls are either constructed of structural clay tile with plaster finish or steel or wood studs with gypsum board finish.

APPLICABLE CODES
The following codes and standards adopted by Jackson County with amendments apply:
- 2009 International Building Code (IBC)
- 2009 International Existing Building Code (IEBC)
- 2009 International Mechanical Code
- 2008 National Electrical Code (NFPA 70)
- 2009 Uniform Plumbing Code
- 2009 International Fire Code (as it relates to construction codes only)
- 2009 International Energy Conservation Code
- 2008 National Green Building Standard ICC-700-2008 (Guideline only)
- NFPA Standards:
  - 2007 NFPA 10, Portable Fire Extinguishers
  - 2007 NFPA 13, Installation of Sprinkler Systems
  - 2007 NFPA 14, Installation of Standpipe and Hose Systems
  - 2007 NFPA 20, Installation of Stationary Pumps for Fire Protection
  - 2007 NFPA 25, Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
  - 2007 NFPA 72, National Fire Alarm Code
  - 2007 NFPA 80, Fire Doors and Other Opening Protectives

OCCUPANCY CLASSIFICATION
Courtrooms, jury rooms: A-3
Office areas, utility rooms (e.g. mechanical, electrical): B
Large storage rooms: S-1

OCCUPANCY SEPARATION APPROACH
Nonseparated: A-3, B, S-1

CONSTRUCTION TYPE
Type I-A (assumed) / Not Fully Sprinklered
Building Height: Unlimited
Number of Stories: Unlimited
Building Area: Unlimited

FIRE PROTECTION OF BUILDING ELEMENTS
Primary Structural Frame (Columns, Beams): 3 HR
Floor Assemblies: 3 HR
Roof Assemblies: 1.5 HR
Bearing Walls: 3 HR
Nonbearing Walls: 0 HR (if 30'-0" or more from property line)
FIRE RESISTANCE RATED SEPARATIONS
Shafts: 2 HR
Elevator hoistways: 2 HR
Elevator machine rooms: 2 HR
Enclosed exit stairways: 2 HR
Fire pump room: 2 HR
Fire command center: 1 HR
Furnace rooms with equipment over 400,000 Btu/hr: 1 HR
Boiler rooms with equipment over 15 psi and 10 horsepower: 1 HR
Laundry rooms over 100 square feet: 1 HR
Waste collection (trash) rooms over 100 square feet: 1 HR
Electrical rooms with dry-type transformers over 112.5 kVA: 1 HR (see NEC 450.21(B) for exceptions)
Electrical rooms dry-type transformers over 35,000 kVA: 3 HR (see NEC 450.21(C) & 450.42 for exceptions)
Electrical vaults with equipment over 1,000 volts: 3 HR
Corridors: 1 HR (0 HR if sprinklered)

FIRE PROTECTION SYSTEMS
Automatic Sprinklers: Required / Not Provided Throughout
Standpipes: Required / Provided
Portable Fire Extinguishers: Required / Provided (not in all areas)

HIGH RISE REQUIREMENTS
Building is classified as a high rise since the highest occupied floor is more than 75 feet above the lowest level of fire department vehicle access. The following high rise requirements apply (IBC code reference):
- Increased bond strength of sprayed fire resistant materials (SFRM) to 430 psf (403.2.4)
- Automatic sprinklers throughout (403.3)
- Standpipes (403.4.3)
- Voice fire alarm system (403.4.4)
- Fire department communication system (emergency responder radio coverage) (403.4.5)
- Fire command center (403.4.6)
- Smoke removal system (403.4.7)
- Standby power for fire command center lighting, stair pressurization systems, and elevators (403.4.8.2)
- Emergency power for exit signs, egress illumination, elevator car lighting, fire alarm system, and electric fire pumps (403.4.8)
- Remoteness of exit stairways (403.5.1)
- Stair pressurization system for each enclosed exit stairway (403.5.4)
- Luminous egress path markings in each exit stairway (403.5.5)
- Elevator pressurization system or enclosed elevator lobbies for each elevator (708.14.1, Ex. 4,6)
- Smoke detectors or automatic sprinklers in mechanical, electrical, telephone, or similar rooms (907.2.13.1.1, Item 1)
- Smoke detectors in elevator machine rooms and elevator lobbies (907.2.13.1.1, Item 2)
- Smoke detectors in main return air and exhaust air plenum of HVAC systems greater than 2,000 cfm (907.2.13.1.2, Item 1)
- Smoke detectors at each connection to vertical duct or riser serving 2 or more stories from a return air duct or plenum (907.2.13.1.2, Item 2)
- Sprinkler system and fire alarm system zoned by floor (907.6.3.2)
- 2-hour rating for fire pump room (913.2.1)
- Exterior exit stair not permitted as means of egress (1026.2)

PLUMBING FIXTURES
Men's water closets & urinals: 43 required, 84 provided
Men's lavatories: 28 required, 46 provided
Women's water closets*: 52 required, 91 provided
Women's lavatories*: 28 required, 75 provided

Note: All unisex fixtures applied to women's count
Note: Fixtures located in private offices not counted as provided

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8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2030002669
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

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Life

Jackson County Courthouse
Safety Plans
415 E. 12th St, Kansas City, MO 64106

MARK	DATE	DESCRIPTION

HEI PROJECT NO: 2050002669
ISSUED FOR: AS-BUILT
ISSUE DATE: 4/02/2021

CODE INFORMATION

8' 0 8' 16'
1/8"=1'-0"

LS000

0 WC
0 Ur
0 Lav
Men

0 WC
0 Lav
Women

1 WC
0 Lav
Unisex

0 WC
0 Lav
Private



1 BASEMENT FLOOR PLAN
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 RATED WALL REQUIRED TO SEPARATE BOILER ROOM FROM OFFICE BUT NOT PROVIDED.
2 RATED WALL REQUIRED AROUND FIRE PUMP BUT NOT PROVIDED.
3 EXITS NOT SEPARATED BY ONE-HALF THE MAXIMUM DIAGONAL OF THE SPACE SERVED BY THE EXITS.
4 1 HR ROOM REQUIRED FOR DRY-TYPE TRANSFORMERS OVER 112.5 KVA
5 1 HR ROOM REQUIRED FOR BOILERS OVER 15 PSI AND 10 HORSEPOWER.

AREA TAG

0000 | 300 SF
000000 SF

- Number of Calculated Occupants
- Occupant Load Factor (SQ.FT./Person)
- SQ.FT. of Space or Room

100 Fixed Seating
100 Flow Occupants
Direction of Occupant Flow
Travel Distance
Common Path of Travel

EGRESS TAG

EX:D101
###
####
#'-#"

- Egress Element Identifier
- Total Number of Occupants Exiting
- Capacity of Exit Element
- Egress Clear Width

EX = Exit
HE = Horizontal Exit
EA = Exit Access

BASEMENT EXIT SCHEDULE

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
BASEMENT FLOOR PLAN					
EX	001	16	60	5'-7"	335
EX	002	11	40	3'-0"	120
Grand total		27			455

BASEMENT OCCUPANT SUMMARY

Function	People	
Business	3	B
Storage and Mechanical areas	24	S
Grand total	27	

BASEMENT TRAVEL PATH SCHEDULE

	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT001	86'	75'	
CPT002	63'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Business
- Storage and Mechanical areas

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Jackson County Courthouse Life Safety Plans

415 E. 12th St, Kansas City, MO 64106

MARK	DATE	DESCRIPTION

HEI PROJECT NO: 2050002669
ISSUED FOR: AS-BUILT
ISSUE DATE: 4/02/2021

LIFE SAFETY PLAN - BASEMENT

8' 0 8' 16'
1/8"=1'-0"

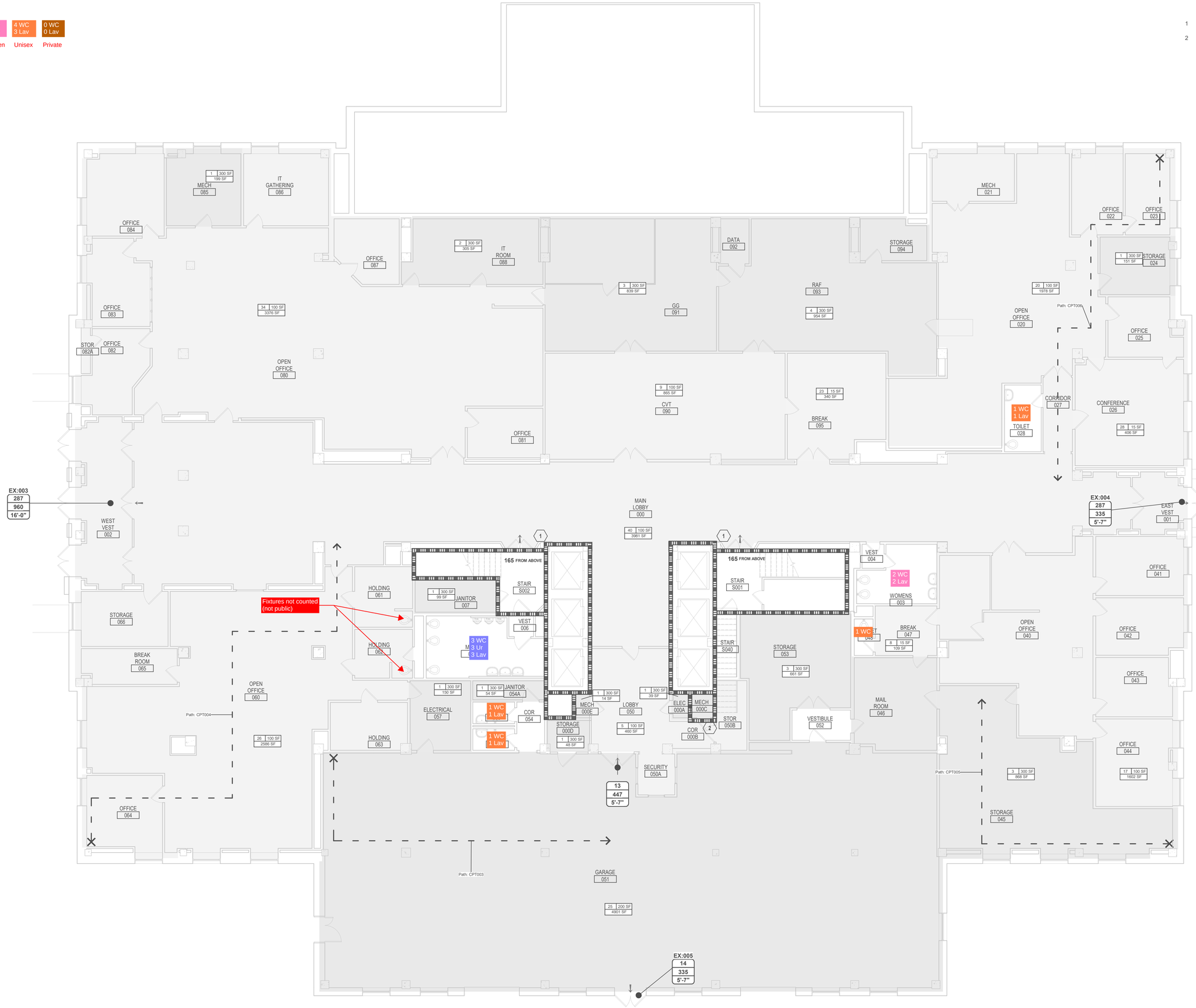
LS001

3 WC
3 Ur
3 Lav
Men

2 WC
2 Lav
Women

4 WC
3 Lav
Unisex

0 WC
0 Lav
Private



1 GROUND FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 EXIT STAIRWAYS DO NOT DISCHARGE DIRECTLY TO EXTERIOR.

2 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG

0000 | 300 SF
000000 SF

- Number of Calculated Occupants
- Occupant Load Factor (SQ.FT./Person)
- SQ.FT. of Space or Room

100 Fixed Seating

100 Flow Occupants

Direction of Occupant Flow

Travel Distance

Common Path of Travel

EGRESS TAG

EX:D101
###
####
#'-#"

- Egress Element Identifier
- Total Number of Occupants Exiting
- Capacity of Exit Element
- Egress Clear Width

EX = Exit
HE = Horizontal Exit
EA = Exit Access

GROUND FLOOR OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	59	B
Business	151	B
~~From Above~~	~~330~~	
Parking Garage	25	S
Storage and Mechanical areas	23	S
Grand total	588	

GROUND FLOOR EXIT SCHEDULE

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
GROUND FLOOR					
EX	003	287	60	16'-0"	960
EX	004	287	60	5'-7"	335
EX	005	14	60	5'-7"	335
Grand total		588			1630

GROUND TRAVEL PATH SCHEDULE

Path	Travel Distance Actual	Max	Comments
Common Path of Travel			
CPT003	65'	75'	
CPT004	99'	75'	
CPT005	60'	75'	
CPT006	77'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Parking Garage
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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Jackson County Courthouse Life Safety Plans

415 E. 12th St, Kansas City, MO 64106

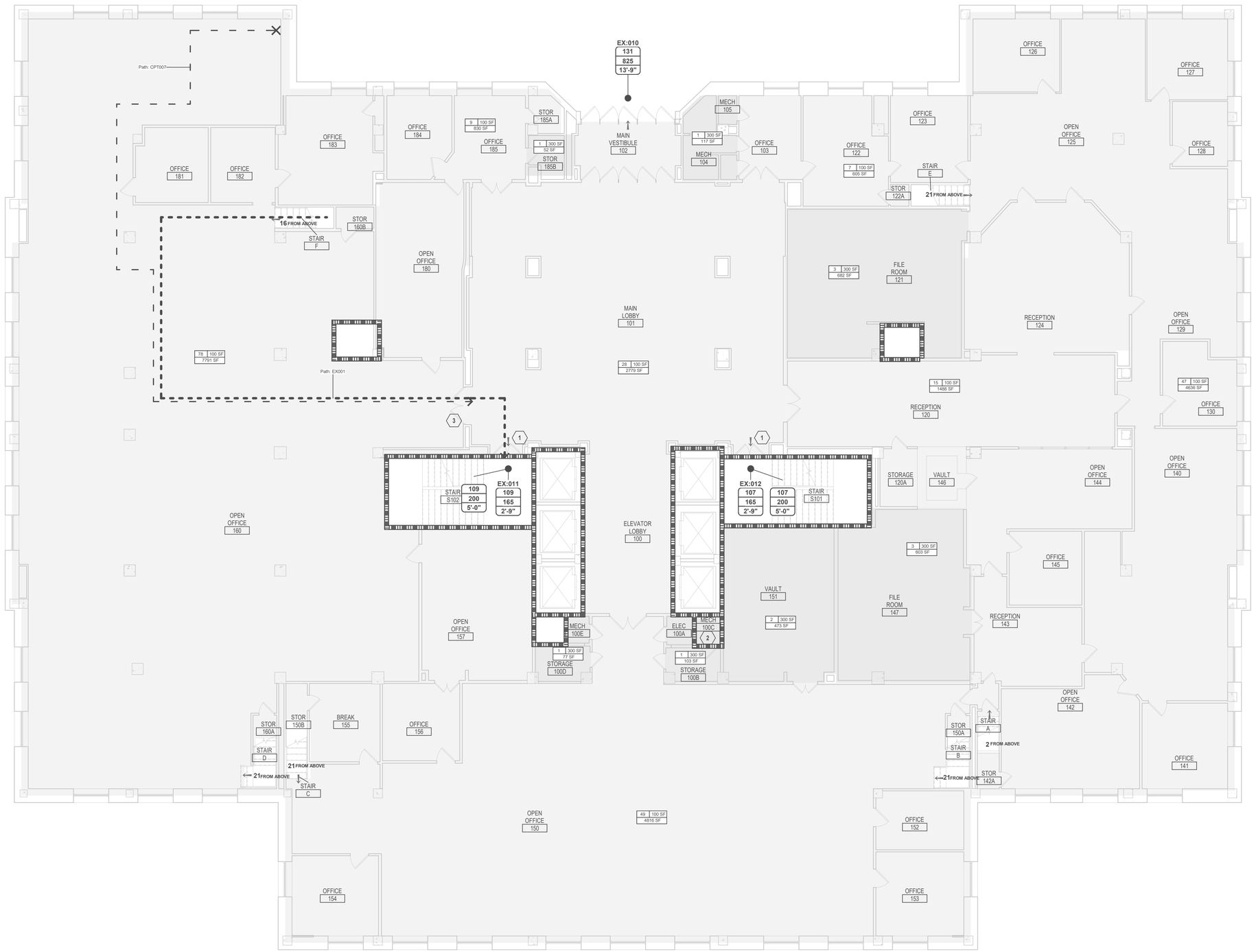
MARK	DATE	DESCRIPTION

HEI PROJECT NO: 2050002669
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ISSUE DATE: 4/02/2021

LIFE SAFETY PLAN - GROUND FLOOR

LS002

0 WC	0 WC	0 WC	0 WC
0 Ur	0 Lav	0 Lav	0 Lav
0 Lav			
Men	Women	Unisex	Private



1 FIRST FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'
1/8"=1'-0"

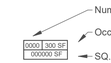
LIFE SAFETY KEYNOTES

1 EXITS NOT SEPARATED BY ONE-HALF THE MAXIMUM DIAGONAL OF THE SPACE SERVED BY THE EXITS.

2 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

3 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

AREA TAG



Number of Calculated Occupants
Occupant Load Factor (SQ.FT./Person)
SQ.FT. of Space or Room
100 Fixed Seating
100 Flow Occupants
Direction of Occupant Flow
Travel Distance
Common Path of Travel

EGRESS TAG



Egress Element Identifier
Total Number of Occupants Exiting
Capacity of Exit Element
Egress Clear Width

EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 1 OCCUPANT SUMMARY		
Function	People	
Business	233	B
From Above	~~102~~	
Storage and Mechanical areas	12	S
Grand total	347	

LEVEL 1 EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
FIRST FLOOR PLAN					
EX	010	131	60	13'-9"	825
EX	011	109	60	2'-9"	165
EX	012	107	60	2'-9"	165
Grand total		347			1155

LEVEL 1 TRAVEL PATH SCHEDULE			
	Travel Distance		
Path	Actual	Max	Comments
Travel Distance to an Exit			
EX001	228'	200'	
Common Path of Travel			
CPT007	144'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

Business
Storage and Mechanical areas

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2030002669
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2021

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LIFE SAFETY PLAN - FIRST FLOOR

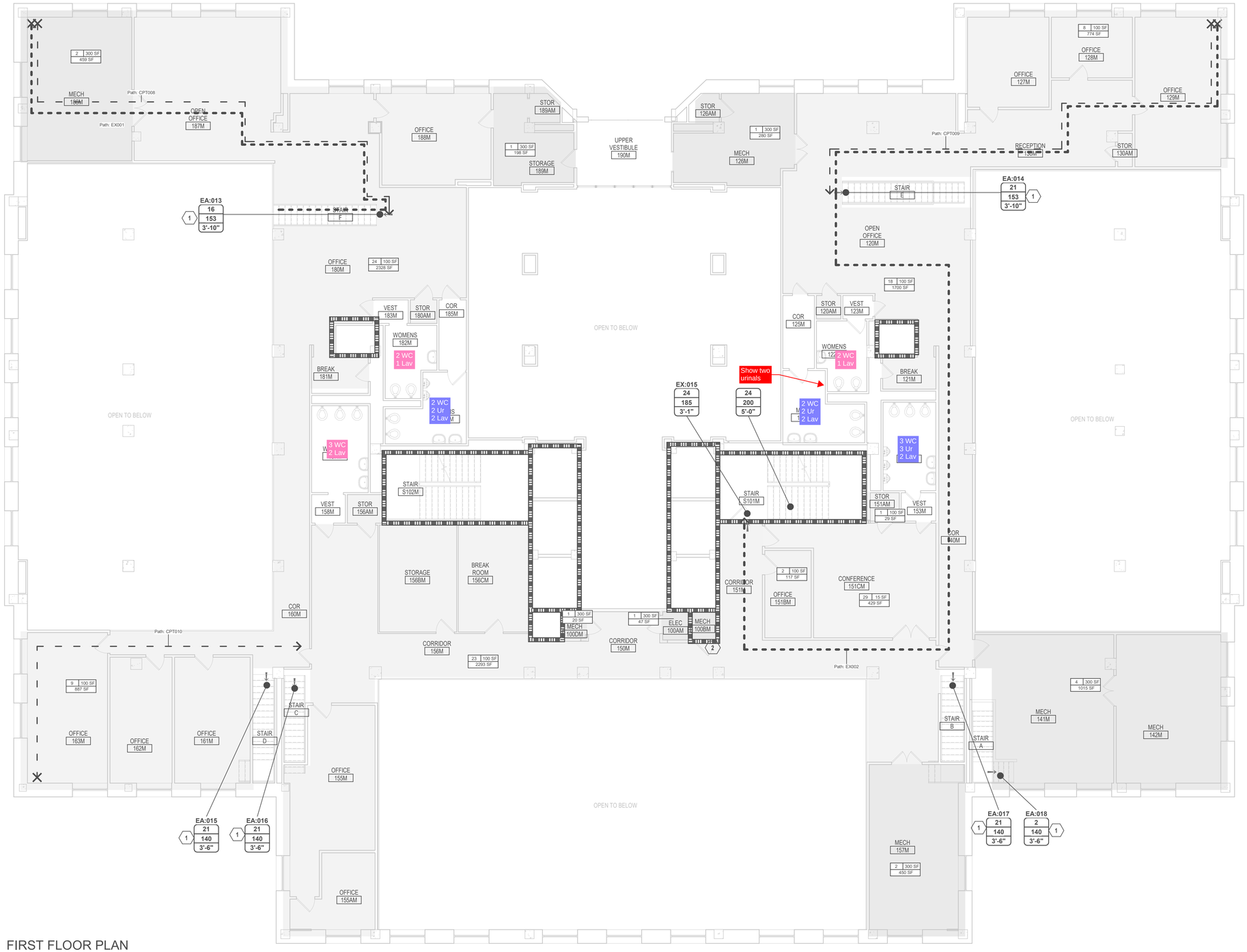
LS010

7 WC
7 Ur
6 Lav
Men

7 WC
4 Lav
Women

0 WC
0 Lav
Unisex

0 WC
0 Lav
Private



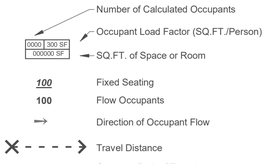
FIRST FLOOR PLAN MEZZANINE
1 1/8" = 1'-0"

LIFE SAFETY KEYNOTES

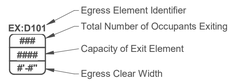
1 EXIT PATH NOT PERMITTED TO BE USED IF OFFICE AREA BELOW CAN BE LOCKED TO PREVENT EGRESS.

2 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 1 MEZZANINE OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	29	B
Business	85	B
Storage and Mechanical areas	12	S
Grand total	126	

LEVEL1 MEZZANINE EXIT SCHEDULE

Elements Desc	#	People Egressing	People per Foot	Clear Width	Exit Capacity
FIRST FLOOR PLAN MEZZANINE					
EA	016	21	40	3'-6"	140
EA	015	21	40	3'-6"	140
EA	018	2	40	3'-6"	140
EA	017	21	40	3'-6"	140
EA	014	21	40	3'-10"	153
EX	015	24	60	3'-1"	185
EA	013	16	40	3'-10"	153
Grand total		126			1051

LEVEL 1 MEZZANINE TRAVEL PATH...

	Travel Distance Actual	Travel Distance Max	Comments
Travel Distance to an Exit			
EX001	228'	200'	
EX002	238'	200'	
Common Path of Travel			
CPT008	89'	75'	
CPT009	90'	75'	
CPT010	65'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - FIRST FLOOR MEZZANINE

LS011

4 WC
3 Ur
3 Lav
Men

3 WC
2 Lav
Women

2 WC
2 Lav
Unisex

0 WC
0 Lav
Private



1 SECOND FLOOR PLAN
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

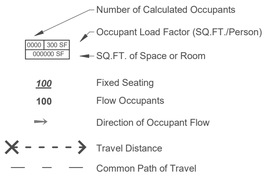
1 EXITS NOT SEPARATED BY ONE-HALF THE MAXIMUM DIAGONAL OF THE SPACE SERVED BY THE EXITS.

2 TWO EXITS FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC.

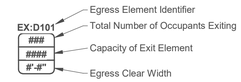
3 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

4 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 2 OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	78	B
Business	165	B
Courtroom	109	A-3
Storage and Mechanical areas	8	S
Grand total	360	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 2 EXIT SCHEDULE

Elements		People Egressing	People per Foot	Clear Width	Exit Capacity
Desc	#				
SECOND FLOOR PLAN					
EX	020	198	40	5'-0"	200
EX	021	162	60	2'-9"	165
Grand total		360			365

LEVEL 2 TRAVEL PATH SCHEDULE

Path	Travel Distance Actual	Travel Distance Max	Comments
Common Path of Travel			
CPT011	178'	75'	
CPT012	147'	75'	
CPT013	125'	75'	
CPT033	58'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - SECOND FLOOR

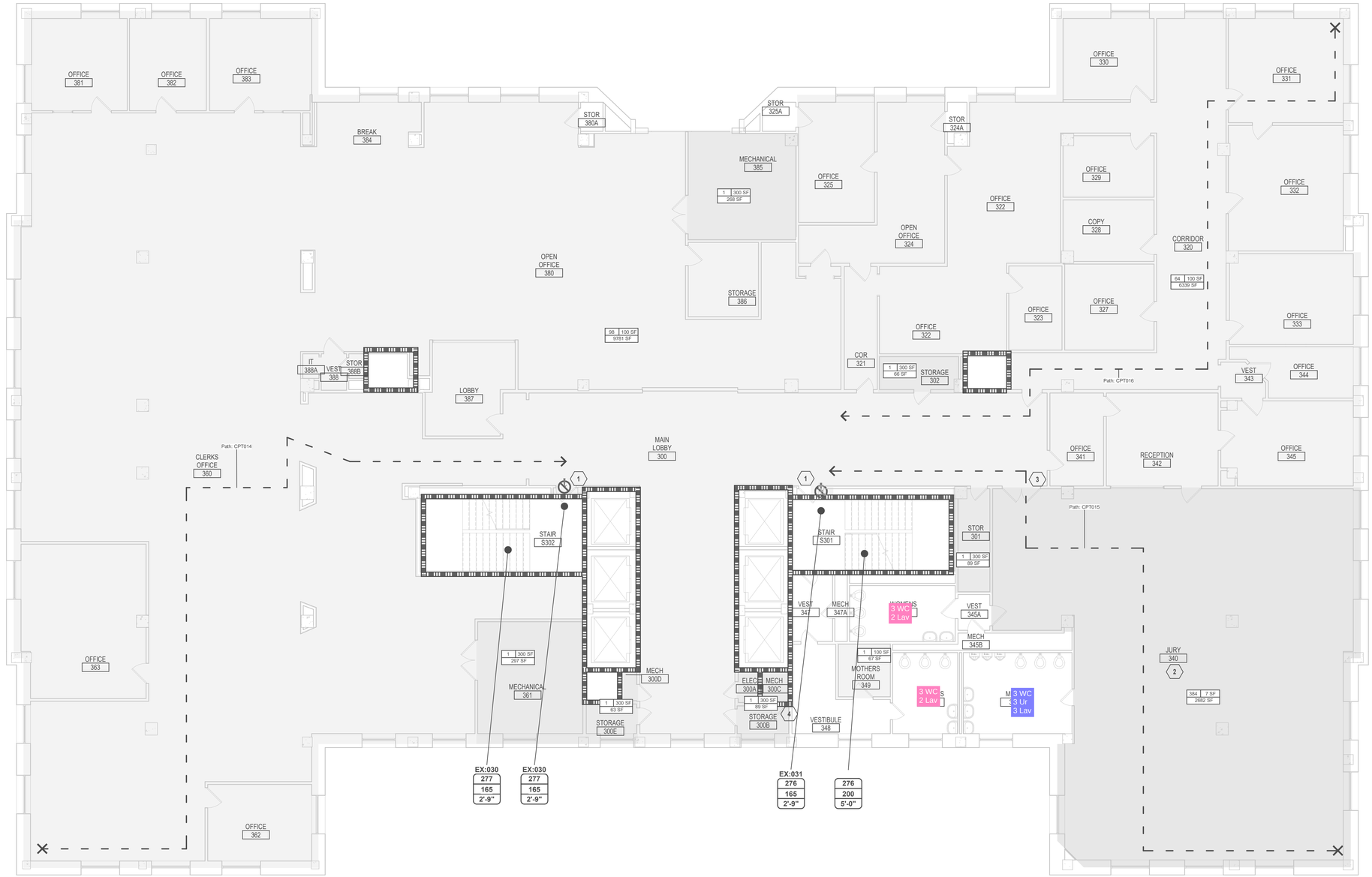
LS020

3 WC
3 Ur
3 Lav
Men

6 WC
4 Lav
Women

0 WC
0 Lav
Unisex

0 WC
0 Lav
Private



1 THIRD FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

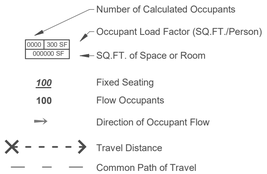
1 EXITS NOT SEPARATED BY ONE-HALF THE MAXIMUM DIAGONAL OF THE SPACE SERVED BY THE EXITS.

2 TWO EXITS REQUIRED FROM THIS SPACE AND THREE EXITS REQUIRED FROM THIS STORY WITH CURRENTLY DESIGNED JURY ROOM. IF THIS AREA IS CONVERTED TO OFFICES, ONLY TWO EXITS WOULD BE REQUIRED FROM THIS SPACE DUE TO COMMON PATH BUT ONLY TWO EXITS WOULD BE REQUIRED FROM THIS STORY.

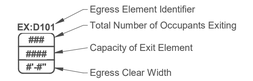
3 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

4 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 3 OCCUPANT SUMMARY

Function	People	
Assembly - Concentrated	384	A-3
Business	163	B
Storage and Mechanical areas	6	S
Grand total	553	

LEVEL 3 EXIT SCHEDULE

Elements Desc	#	People Egressing	People per Foot	Clear Width	Exit Capacity
THIRD FLOOR					
EX	030	277	60	2'-9"	165
EX	031	276	60	2'-9"	165
Grand total		553			330

LEVEL 3 TRAVEL PATH SCHEDULE

Path	Travel Distance Actual	Max	Comments
Common Path of Travel			
CPT014	140'	75'	
CPT015	132'	75'	
CPT016	131'	75'	
CPT034	60'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Concentrated
- Business
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - THIRD FLOOR

LS030

2 WC
2 Ur
2 Lav
Men

0 WC
0 Lav
Women

0 WC
0 Lav
Unisex

0 WC
0 Lav
Private



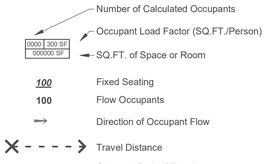
1 THIRD FLOOR - MEZZ
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

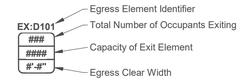
1 CORRIDORS REQUIRED TO BE BUILT AS PART OF THE ENCLOSED EXIT STAIRWAY. ELEMENTS NOT SERVING STAIR ENCLOSURE NOT PERMITTED TO BE ROUTED THROUGH ENCLOSURE. RATINGS NOT PROVIDED.

2 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 3 MEZZANINE OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	25	B
Business	14	B
Industrial Area	15	S
Storage and Mechanical areas	35	S
Grand total	89	

LEVEL 3 MEZZANINE EXIT SCHEDULE

Elements Desc	#	People Egressing	People per Foot	Clear Width	Exit Capacity
THIRD FLOOR - MEZZ					
EX	033	44	60	2'-9"	165
EX	034	45	60	2'-9"	165
Grand total		89			330

LEVEL 3 MEZZANINE TRAVEL PATH...

Path	Travel Distance Actual	Travel Distance Max	Comments
Common Path of Travel			
CPT017	70'	75'	
CPT018	83'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Industrial Area
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LENEXA, KS 66214
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LIFE SAFETY PLAN - THIRD FLOOR MEZZANINE

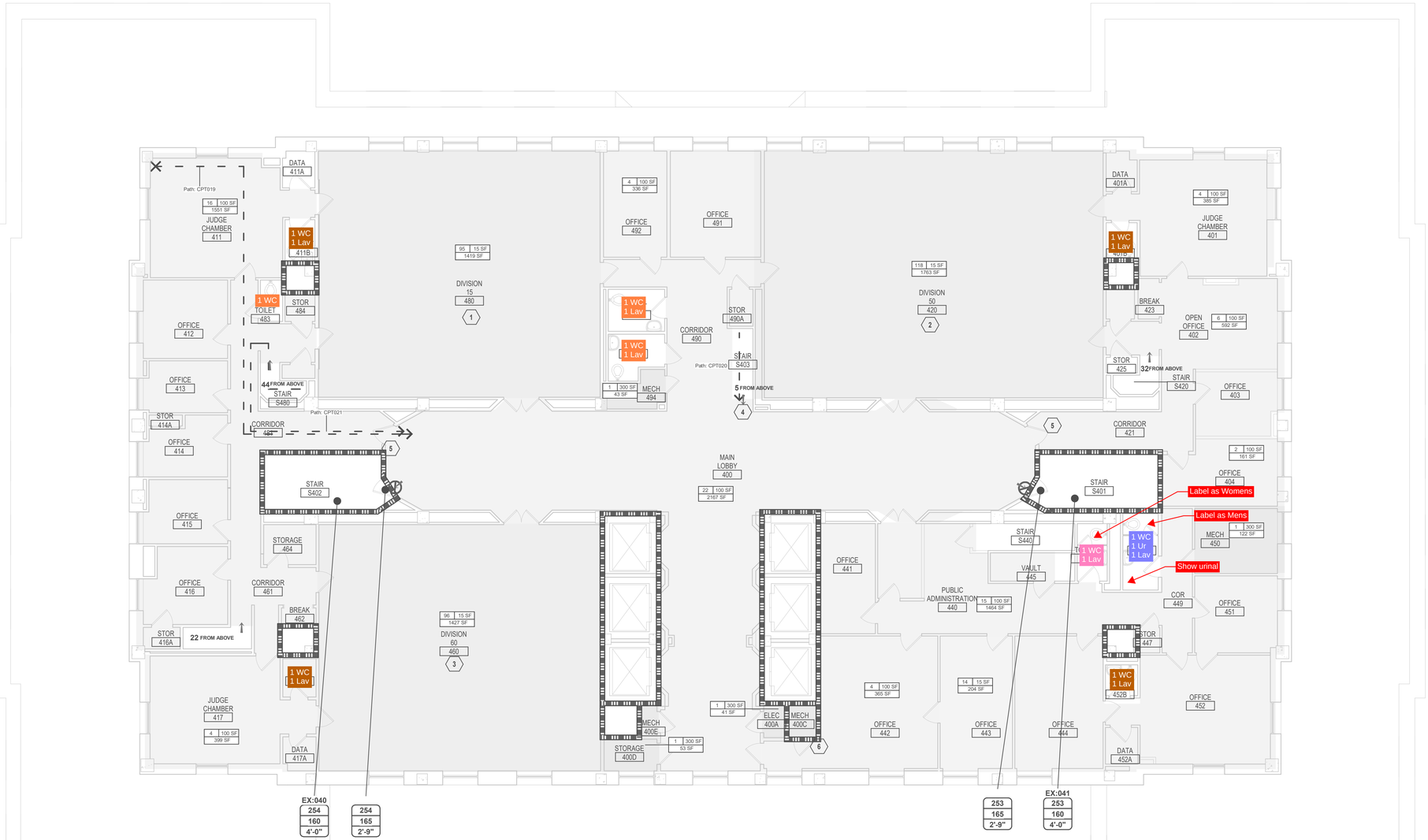
LS031

1 WC
1 Ur
1 Lav
Men

1 WC
1 Lav
Women

3 WC
2 Lav
Unisex

4 WC
4 Lav
Private



1 FOURTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 TWO EXITS FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC AND IF DOOR SWINGS IN DIRECTION OF EGRESS TRAVEL. OR, IF BUILDING IS SPRINKLERED, TWO EXITS TO LOBBY COMPLY WITH ONE-THIRD THE DIAGONAL.

2 TWO EXITS FROM THIS SPACE. DOORS COMPLY WITH ONE-HALF THE DIAGONAL BUT ARE REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

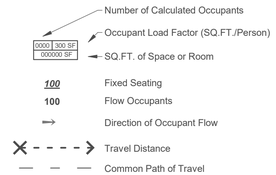
3 TWO EXITS REQUIRED FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC AND IF DOORS SWINGS IN DIRECTION OF EGRESS TRAVEL.

4 UNENCLOSED STAIRWAY CANNOT BE USED FOR EGRESS SINCE IT IS OPEN TO MORE THAN TWO STORIES. FLOOR OPENINGS CREATERD BY OPEN STAIR REQUIRED TO BE PROTECTED BY ONE OF THE METHODS LISTED IN IBC-2009 SECTION 708.2. OCCUPANTS SHOWN USING THIS STAIR FOR EGRESS ASSUMES THIS DEFICIENCY IS RESOLVED.

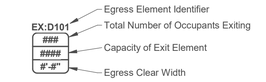
5 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

6 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 4 OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	14	B
Business	77	B
Courtroom	309	A-3
From Above	~~103~~	
Storage and Mechacnical areas	4	S
Grand total	507	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 4 EXIT SCHEDULE

Elements Desc	#	People Egressing	People per Foot	Clear Width	Exit Capacity
FOURTH FLOOR					
EX	040	254	40	4'-0"	160
EX	041	253	40	4'-0"	160
Grand total		507			320

LEVEL 4 TRAVEL PATH SCHEDULE

Path	Travel Distance Actual	Travel Distance Max	Comments
Common Path of Travel			
CPT019	74'	75'	
CPT020	62'	75'	
CPT021	104'	75'	
CPT035	61'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

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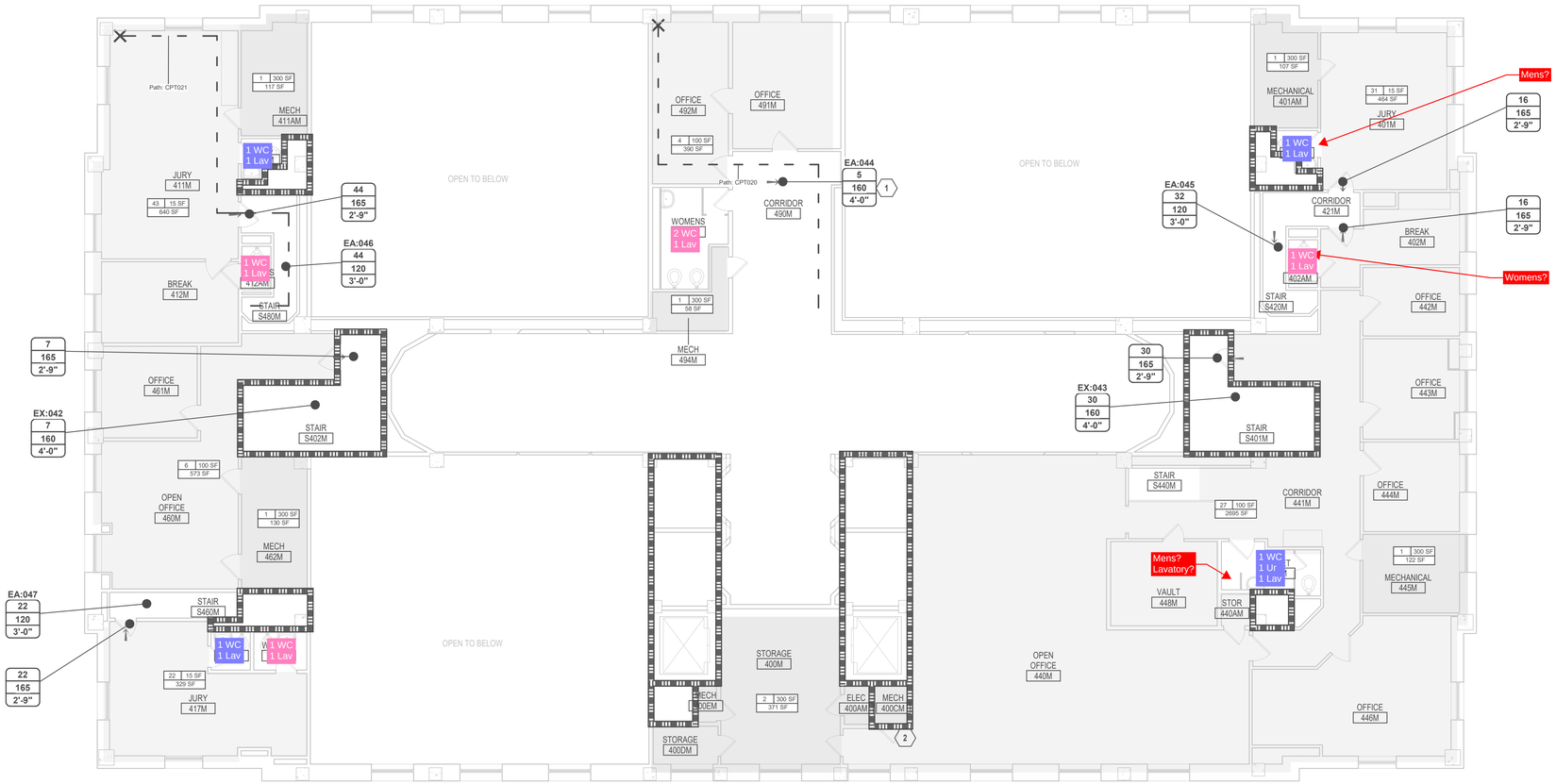
HEI PROJECT NO: 2050002669
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LIFE SAFETY PLAN - FOURTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

LS040

4 WC 1 Ur 4 Lav	5 WC 4 Lav	0 WC 0 Lav	0 WC 0 Lav
Men	Women	Unisex	Private



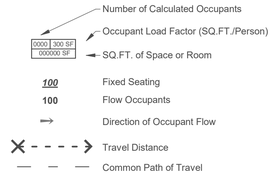
1 FOURTH MEZZ
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

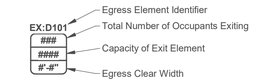
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2 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 4 MEZZANINE OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	96	B
Business	37	B
Storage and Mechanical areas	7	S
Grand total	140	

LEVEL 4 MEZZANINE EXIT...					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
FOURTH MEZZ					
EA	046	44	40	3'-0"	120
EX	043	30	40	4'-0"	160
EA	045	32	40	3'-0"	120
EX	042	7	40	4'-0"	160
EA	047	22	40	3'-0"	120
EA	044	5	40	4'-0"	160
Grand total		140			840

LEVEL 4 MEZZANINE TRAVEL PATH...			
	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT020	62'	75'	
CPT021	104'	75'	
CPT035	61'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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Jackson County Courthouse Life Safety Plans

415 E. 12th St, Kansas City, MO 64106

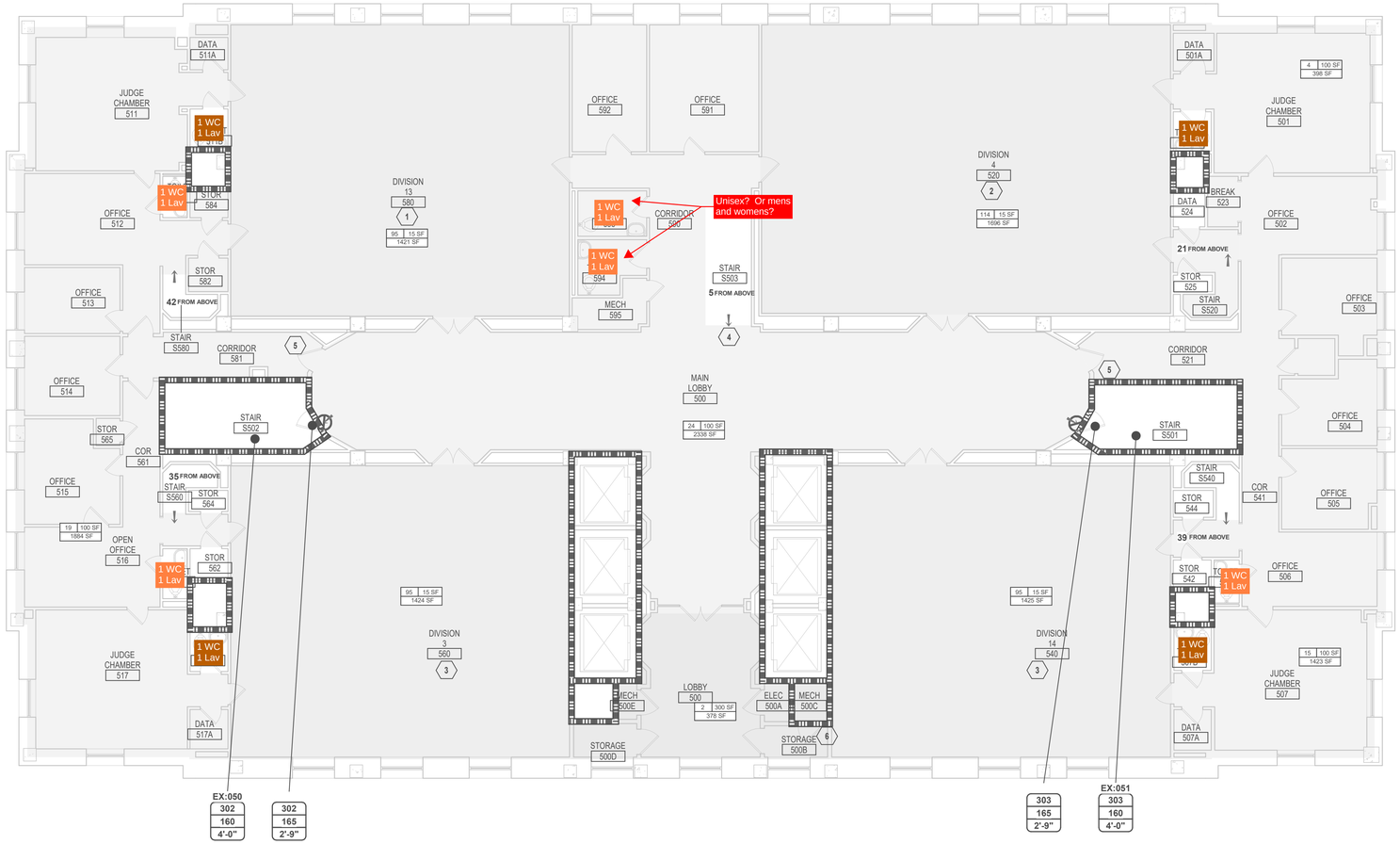
MARK	DATE	DESCRIPTION

HEI PROJECT NO: 2050002669
ISSUED FOR: AS-BUILT
ISSUE DATE: 4/02/2021

LIFE SAFETY PLAN - FOURTH FLOOR MEZZANINE

LS041

0 WC 0 Ur 0 Lav	0 WC 0 Lav	5 WC 5 Lav	4 WC 4 Lav
Men	Women	Unisex	Private



1 FIFTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 TWO EXITS FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC AND IF DOOR SWINGS IN DIRECTION OF EGRESS TRAVEL. OR, IF BUILDING IS SPRINKLERED, TWO EXITS TO LOBBY COMPLY WITH ONE-THIRD THE DIAGONAL.

2 TWO EXITS FROM THIS SPACE. DOORS COMPLY WITH ONE-HALF THE DIAGONAL BUT ARE REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

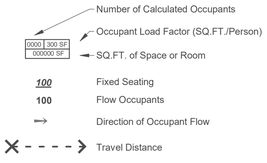
3 TWO EXITS REQUIRED FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC AND IF DOORS SWINGS IN DIRECTION OF EGRESS TRAVEL.

4 UNENCLOSED STAIRWAY CANNOT BE USED FOR EGRESS SINCE IT IS OPEN TO MORE THAN TWO STORIES. FLOOR OPENINGS CREATERD BY OPEN STAIR REQUIRED TO BE PROTECTED BY ONE OF THE METHODS LISTED IN IBC-2009 SECTION 708.2. OCCUPANTS SHOWN USING THIS STAIR FOR EGRESS ASSUMES THIS DEFICIENCY IS RESOLVED.

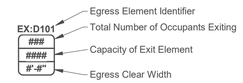
5 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

6 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 5 OCCUPANT SUMMARY		
Function	People	
Business	122	B
Courtroom	399	A-3
From Above	~~82~~	
Storage and Mechanical areas	2	S
Grand total	605	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 5 EXIT SCHEDULE					
Elements		People	People per Foot	Clear Width	Exit Capacity
Desc	#	Egressing			
FIFTH FLOOR					
EX	050	302	40	4'-0"	160
EX	051	303	40	4'-0"	160
Grand total		605			320

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Business
- Courtroom
- Storage and Mechanical areas

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2030002669
MO. CORPORATE NO: E-556D
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Jackson County Courthouse Life Safety Plans

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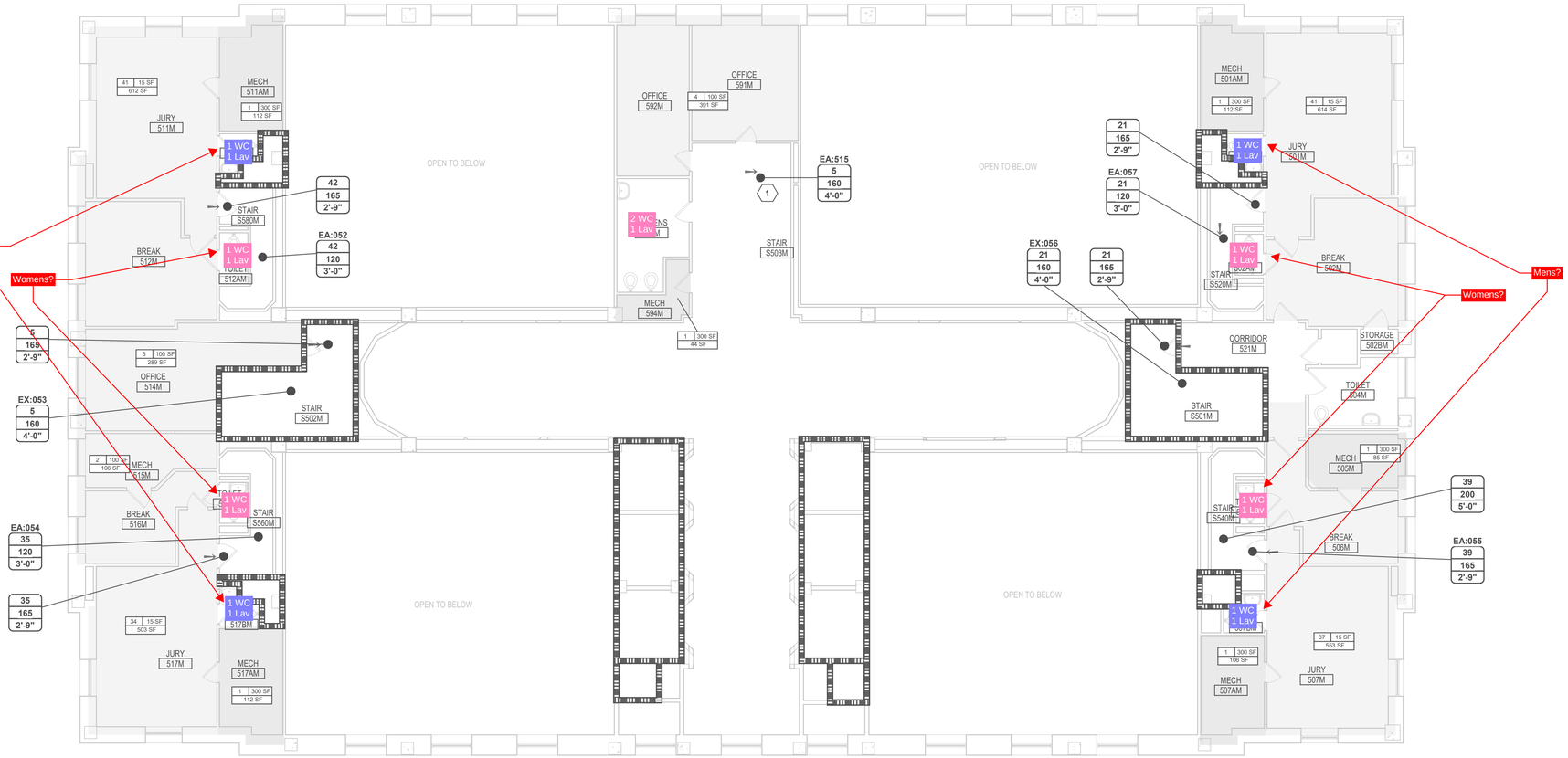
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ISSUED FOR: AS-BUILT
ISSUE DATE: 4/02/2021

LIFE SAFETY PLAN - FIFTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

LS050

4 WC 0 Ur 4 Lav	6 WC 5 Lav	0 WC 0 Lav	0 WC 0 Lav
Men	Women	Unisex	Private



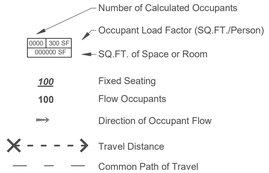
1 FIFTH MEZZ
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

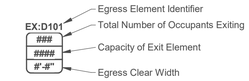
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AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 5 MEZZANINE OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	153	B
Business	9	B
Storage and Mechanical areas	6	S
Grand total	168	

LEVEL 5 MEZZANINE EXIT...					
Elements		People Egressing	People per Foot	Clear Width	Exit Capacity
Desc	#				
FIFTH MEZZ					
EA	052	42	40	3'-0"	120
EX	056	21	40	4'-0"	160
EA	057	21	40	3'-0"	120
EX	053	5	40	4'-0"	160
EA	054	35	40	3'-0"	120
EA	515	5	40	4'-0"	160
EA	055	39	60	2'-9"	165
Grand total		168			1005

Function of Space

- Assembly - Unconcentrated
- Business
- Storage and Mechanical areas

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LIFE SAFETY PLAN - FIFTH FLOOR MEZZANINE

LS051

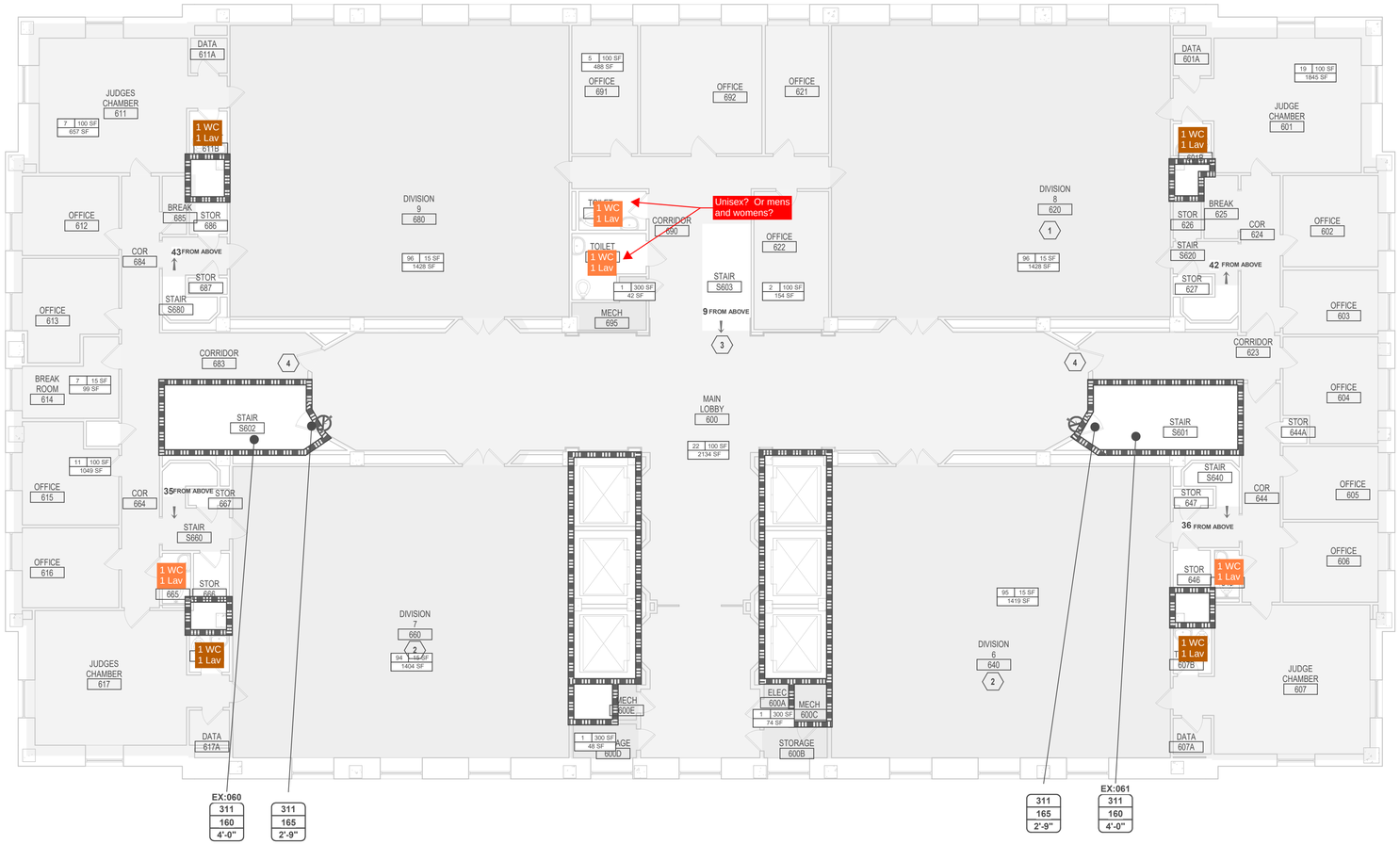
8' 0 8' 16'
1/8"=1'-0"

0 WC
0 Ur
0 Lav
Men

0 WC
0 Lav
Women

4 WC
4 Lav
Unisex

4 WC
4 Lav
Private



1 SIXTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 TWO EXITS FROM THIS SPACE. DOORS COMPLY WITH ONE-HALF THE DIAGONAL BUT ARE REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

2 TWO EXITS REQUIRED FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC AND IF DOORS SWINGS IN DIRECTION OF EGRESS TRAVEL.

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4 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

AREA TAG

Number of Calculated Occupants
Occupant Load Factor (SQ.FT./Person)
SQ.FT. of Space or Room
100 Fixed Seating
100 Flow Occupants
Direction of Occupant Flow
Travel Distance
Common Path of Travel

EGRESS TAG

Egress Element Identifier
Total Number of Occupants Exiting
Capacity of Exit Element
Egress Clear Width

EX:D101
###
####
#'-#"

EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 6 OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	7	B
Business	222	B
Courtroom	381	A-3
~~From Above~~	~~9~~	
Storage and Mechanical areas	3	S
Grand total	622	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 6 EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
SIXTH FLOOR					
EX	060	311	40	4'-0"	160
EX	061	311	40	4'-0"	160
Grand total		622			320

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

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LIFE SAFETY PLAN - SIXTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

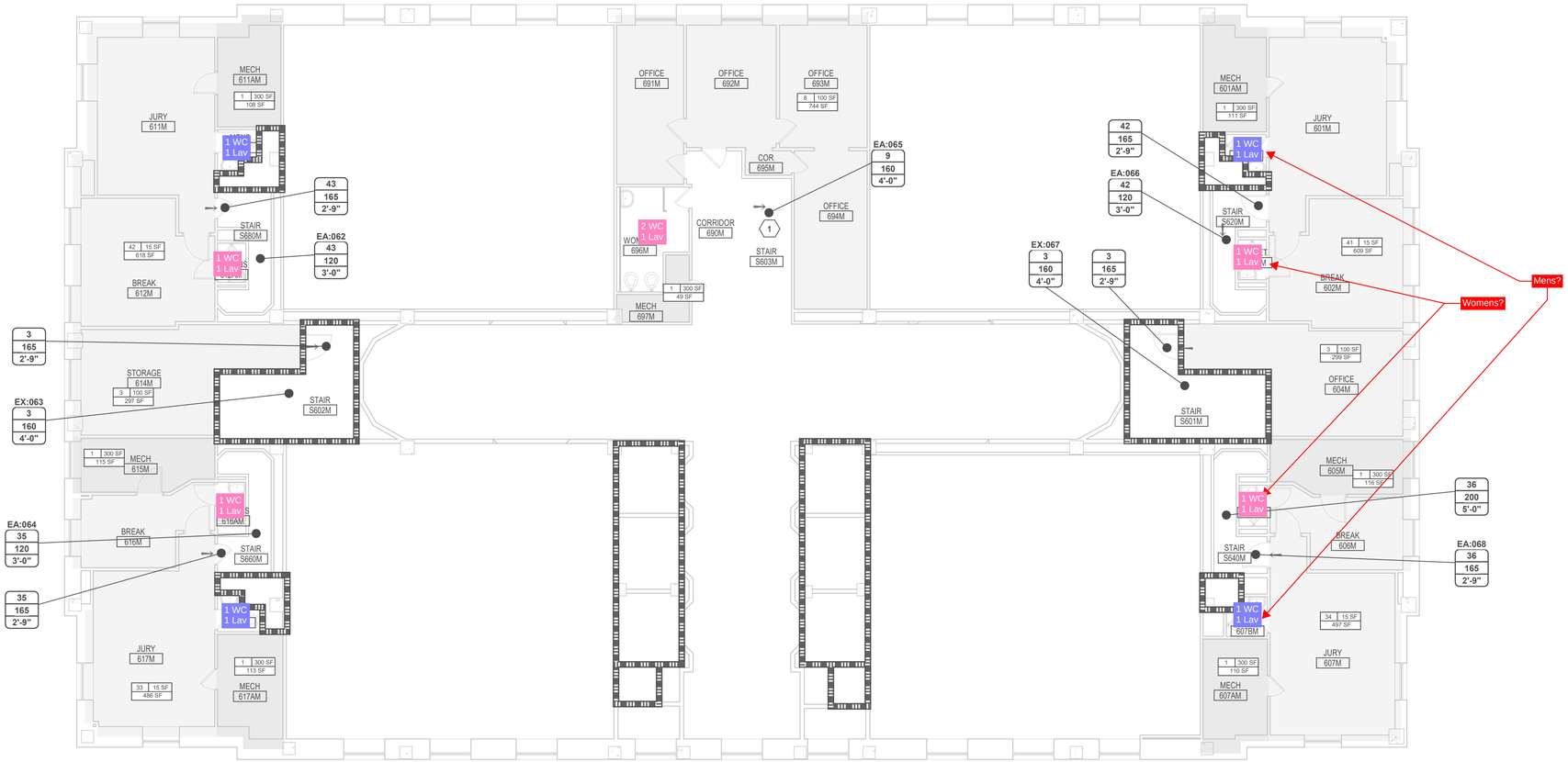
LS060

4 WC
0 Ur
4 Lav
Men

6 WC
5 Lav
Women

0 WC
0 Lav
Unisex

0 WC
0 Lav
Private



1 SIXTH FLOOR MEZZ
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 UNENCLOSED STAIRWAY CANNOT BE USED FOR EGRESS SINCE IT IS OPEN TO MORE THAN TWO STORIES. FLOOR OPENINGS CREATERD BY OPEN STAIR REQUIRED TO BE PROTECTED BY ONE OF THE METHODS LISTED IN IBC-2009 SECTION 708.2. OCCUPANTS SHOWN USING THIS STAIR FOR EGRESS ASSUMES THIS DEFICIENCY IS RESOLVED.

AREA TAG

Number of Calculated Occupants
Occupant Load Factor (SQ.FT./Person)
SQ.FT. of Space or Room
Fixed Seating
Flow Occupants
Direction of Occupant Flow
Travel Distance
Common Path of Travel

EGRESS TAG

Egress Element Identifier
Total Number of Occupants Exiting
Capacity of Exit Element
Egress Clear Width

EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 6 MEZZANINE OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	150	B
Business	14	B
Storage and Mechanical areas	7	S
Grand total	171	

LEVEL 6 MEZZANINE EXIT SCHEDULE

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
SIXTH FLOOR MEZZ					
EA	062	43	40	3'-0"	120
EX	067	3	40	4'-0"	160
EA	066	42	40	3'-0"	120
EX	063	3	40	4'-0"	160
EA	064	35	40	3'-0"	120
EA	065	9	40	4'-0"	160
EA	068	36	60	2'-9"	165
Grand total		171			1005

Function of Space

Assembly - Unconcentrated
Business
Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - SIXTH FLOOR MEZZAINE

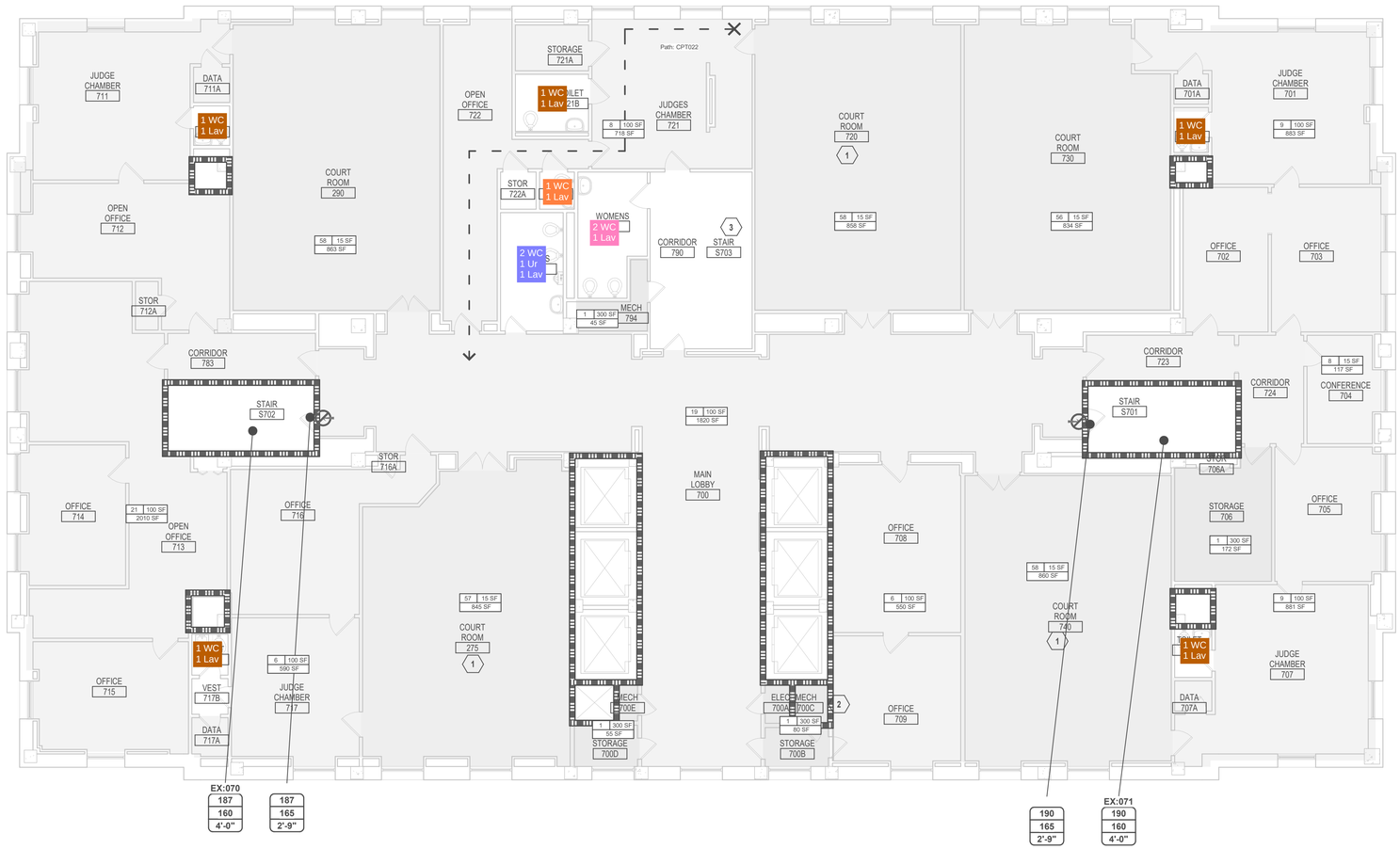
LS061

2 WC
1 Ur
1 Lav
Men

2 WC
1 Lav
Women

1 WC
1 Lav
Unisex

5 WC
5 Lav
Private



1 SEVENTH FLOOR
1/8" = 1'-0"

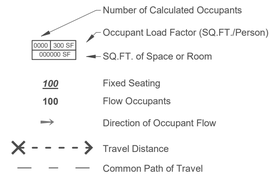
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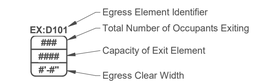
2 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

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AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 7 OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	8	B
Business	78	B
Courtroom	287	A-3
Storage and Mechanical areas	4	S
Grand total	377	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 7 EXIT SCHEDULE

Elements Desc	#	People Egressing	People per Foot	Clear Width	Exit Capacity
SEVENTH FLOOR					
EX	070	187	40	4'-0"	160
EX	071	190	40	4'-0"	160
Grand total		377			320

LEVEL 7 TRAVEL PATH SCHEDULE

Path	Travel Distance Actual	Max	Comments
Common Path of Travel			
CPT022	71'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - SEVENTH FLOOR

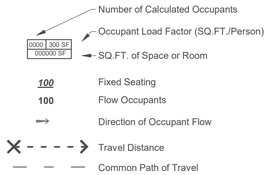
LS070

2 WC 2 Ur 2 Lav	3 WC 2 Lav	1 WC 1 Lav	0 WC 0 Lav
Men	Women	Unisex	Private

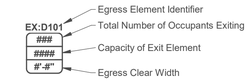


1 SEVETH FLOOR MEZZ
1/8" = 1'-0"

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 7 MEZZANINE OCCUPANT SUMMARY		
Function	People	62 A-3
Assembly - Unconcentrated	26 ~~80~~	B
Business	105	B
Storage and Mechacical areas	8	S
Grand total	201	

LEVEL 7 MEZZANINE EXIT...					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
SEVETH FLOOR MEZZ					
EX	072	100	40	4'-0"	160
EX	073	101	40	4'-0"	160
Grand total		201			320

LEVEL 7 MEZZANINE TRAVEL PATH...			
	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT023	100'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
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LIFE SAFETY PLAN - SEVENTH FLOOR MEZZANINE

LS071

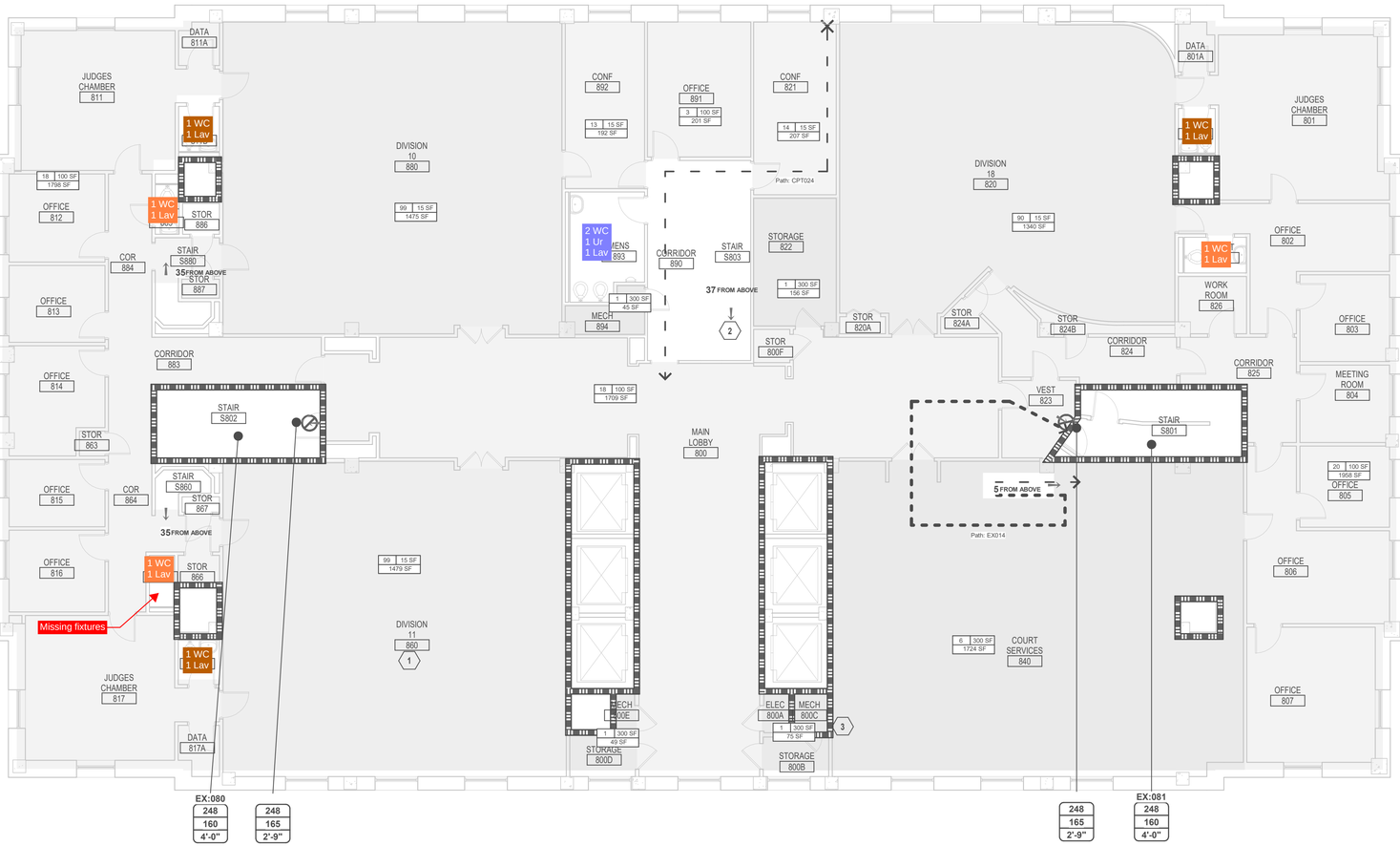
8' 0 8' 16'
1/8"=1'-0"

2 WC
1 Ur
1 Lav
Men

0 WC
0 Lav
Women

3 WC
3 Lav
Unisex

3 WC
3 Lav
Private



1 EIGHTH FLOOR
1/8" = 1'-0"

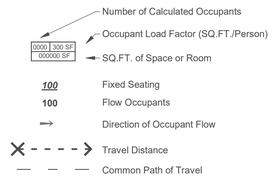
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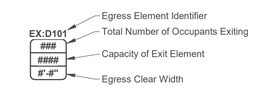
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AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 8 OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	27	B
Business	129	B
Courtroom	288	A-3
From Above	~~42~~	
Storage and Mechanical areas	10	S
Grand total	496	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 8 EXIT SCHEDULE						
Elements		People	People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity	
EIGHTH FLOOR						
EX	080	248	40	4'-0"	160	
EX	081	248	40	4'-0"	160	
Grand total		496			320	

LEVEL 8 TRAVEL PATH SCHEDULE			
	Travel Distance		
Path	Actual	Max	Comments
Travel Distance to an Exit			
EX014	122'	200'	
Common Path of Travel			
CPT024	122'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

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LIFE SAFETY PLAN - EIGHTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

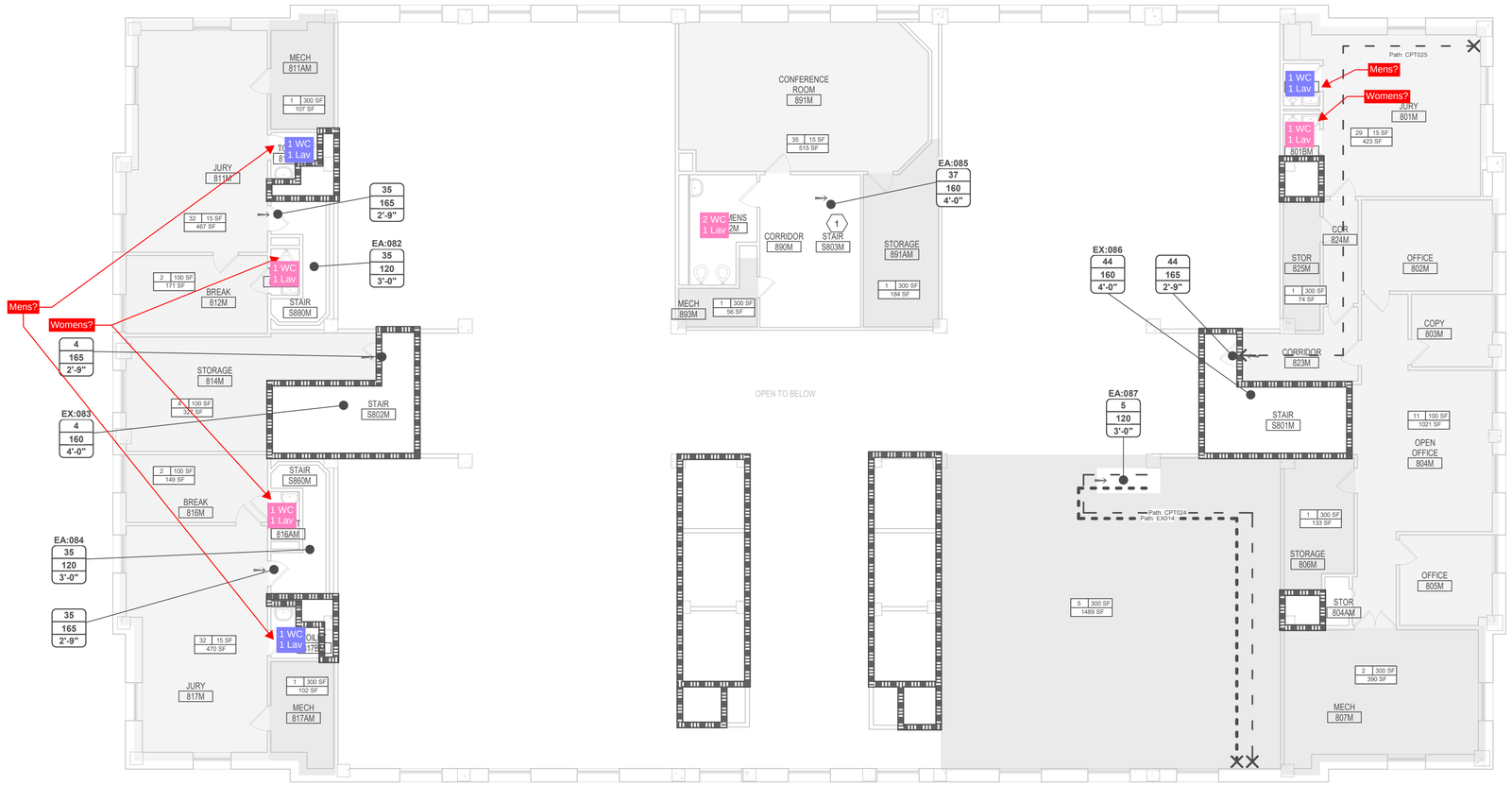
LS080

3 WC
0 Ur
3 Lav
Men

5 WC
4 Lav
Women

0 WC
0 Lav
Unisex

0 WC
0 Lav
Private

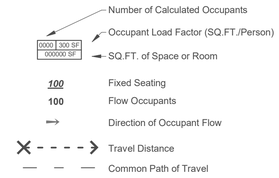


1 EIGHTH FLOOR MEZZ
1/8" = 1'-0"

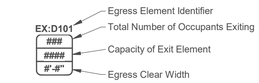
LIFE SAFETY KEYNOTES

1 UNENCLOSED STAIRWAY CANNOT BE USED FOR EGRESS SINCE IT IS OPEN TO MORE THAN TWO STORIES. FLOOR OPENINGS CREATERD BY OPEN STAIR REQUIRED TO BE PROTECTED BY ONE OF THE METHODS LISTED IN IBC-2009 SECTION 708.2. OCCUPANTS SHOWN USING THIS STAIR FOR EGRESS ASSUMES THIS DEFICIENCY IS RESOLVED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 8 MEZZANINE OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	128	B
Business	19	B
Storage and Mechanical areas	13	S
Grand total	160	

LEVEL 8 MEZZANINE EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
EIGHTH FLOOR MEZZ					
EA	082	35	40	3'-0"	120
EX	086	44	40	4'-0"	160
EX	083	4	40	4'-0"	160
EA	084	35	40	3'-0"	120
EA	085	37	40	4'-0"	160
EA	087	5	40	3'-0"	120
Grand total		160			840

LEVEL 8 MEZZANINE TRAVEL PATH...			
	Travel Distance		
Path	Actual	Max	Comments
Travel Distance to an Exit			
EX014	59'	200'	
Common Path of Travel			
CPT024	62'	75'	
CPT025	64'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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2030002669
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LIFE SAFETY PLAN - EIGHTH FLOOR MEZZANINE

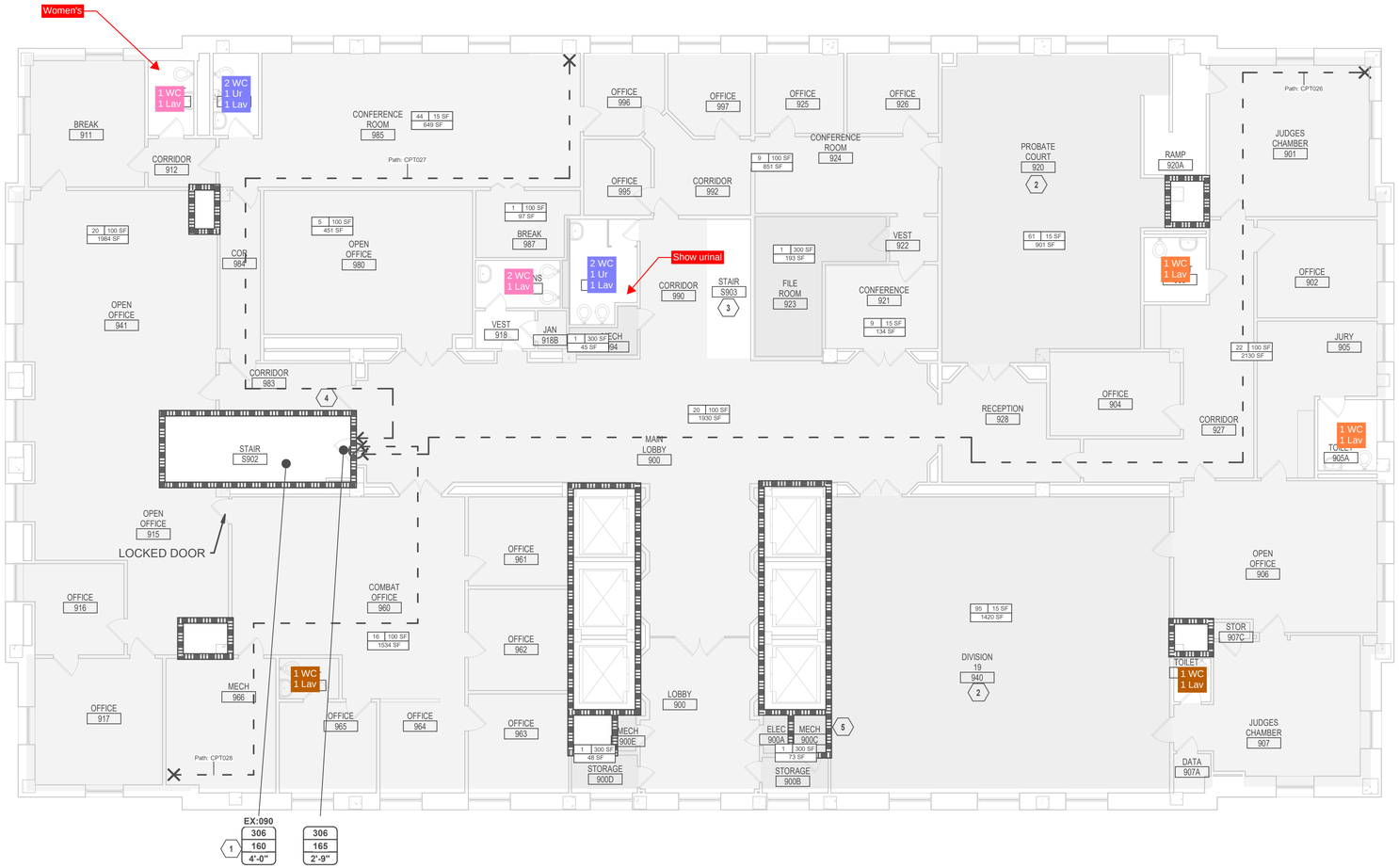
LS081

4 WC
2 Ur
2 Lav
Men

3 WC
2 Lav
Women

2 WC
2 Lav
Unisex

2 WC
2 Lav
Private



1 NINTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 STAIR IS OVER CAPACITY.

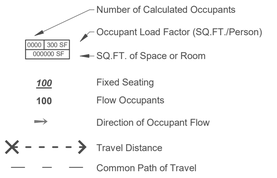
2 TWO EXITS REQUIRED FROM THIS SPACE. SECOND EXIT CAN BE THROUGH OFFICE AREA IF ACCESSIBLE TO PUBLIC AND IF DOORS SWINGS IN DIRECTION OF EGRESS TRAVEL.

3 UNENCLOSED STAIRWAY CANNOT BE USED FOR EGRESS SINCE IT IS OPEN TO MORE THAN TWO STORIES. FLOOR OPENINGS CREATERD BY OPEN STAIR REQUIRED TO BE PROTECTED BY ONE OF THE METHODS LISTED IN IBC-2009 SECTION 708.2. OCCUPANTS SHOWN USING THIS STAIR FOR EGRESS ASSUMES THIS DEFICIENCY IS RESOLVED.

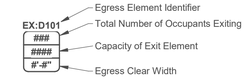
4 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

5 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 9 OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	53	B
Business	93	B
Courtroom	156	A-3
Storage and Mechanical areas	4	S
Grand total	306	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 9 EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
NINTH FLOOR					
EX	090	306	40	4'-0"	160
Grand total		306			160

LEVEL 9 TRAVEL PATH SCHEDULE			
	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT026	170'	75'	
CPT027	105'	75'	
CPT028	75'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - NINTH FLOOR

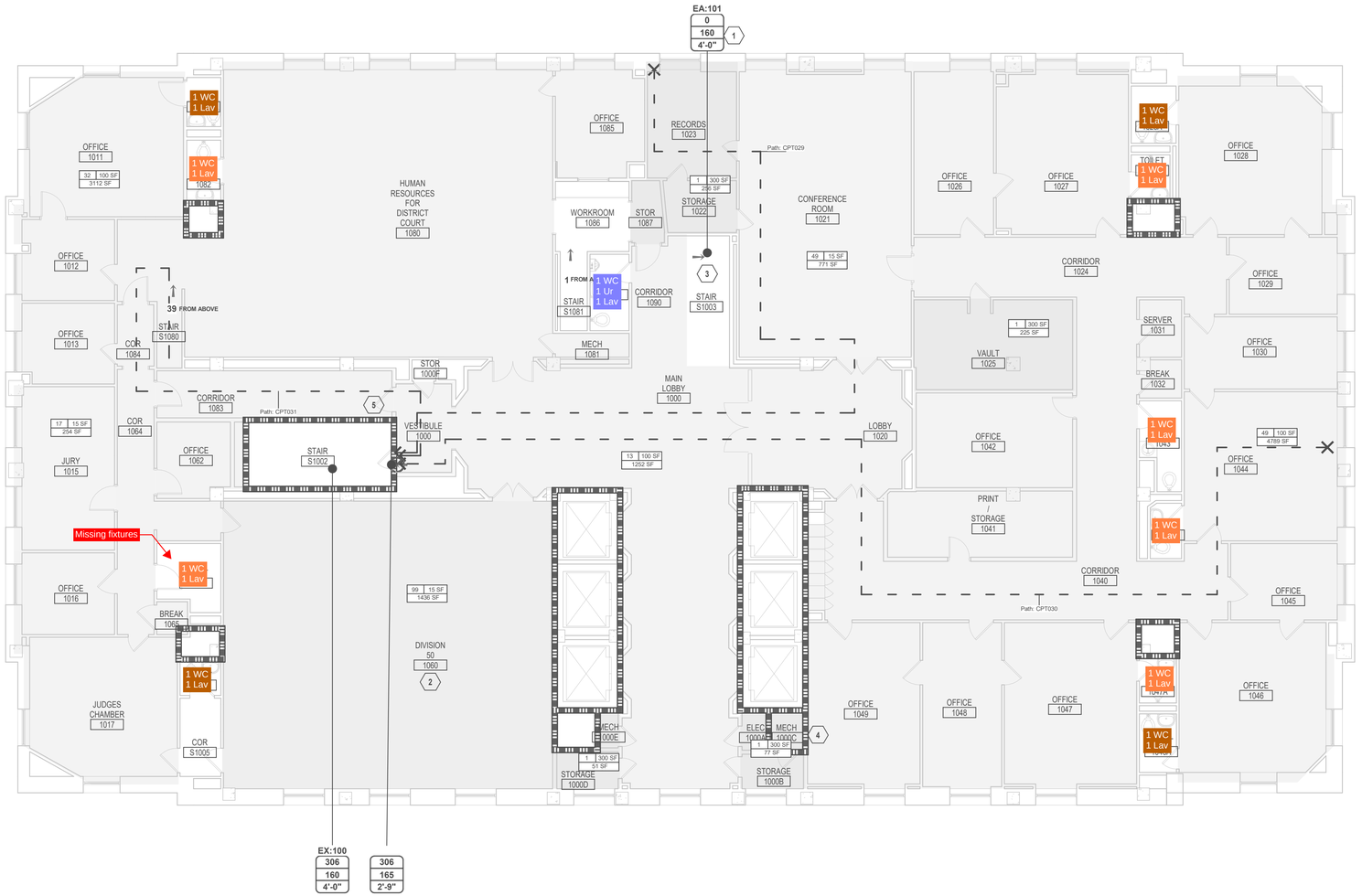
LS090

1 WC
1 Ur
1 Lav
Men

0 WC
0 Lav
Women

6 WC
6 Lav
Unisex

4 WC
4 Lav
Private



1 TENTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 STAIR CANNOT BE USED AS EXIT ACCESS SINCE ACCESS TO AN EXIT IS NOT PROVIDED ON STORY BELOW.

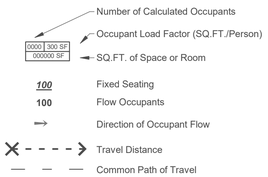
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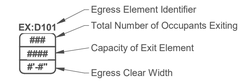
4 MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

5 DOORS REQUIRED TO SWING IN DIRECTION OF EGRESS TRAVEL.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 10 OCCUPANT SUMMARY

Function	People	
Assembly - Unconcentrated	66	B
Business	136	B
Courtroom	99	A-3
From Above	1	
Storage and Mechanical areas	4	S
Grand total	306	

Courtrooms calculated at 15 SF instead of 40 SF to account for fixed seating.

LEVEL 10 EXIT SCHEDULE

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
TENTH FLOOR					
EX	100	306	40	4'-0"	160
EA	101	0	40	4'-0"	160
Grand total		306			320

LEVEL 10 TRAVEL PATH SCHEDULE

	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT029	127'	75'	
CPT030	153'	75'	
CPT031	197'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Courtroom
- Storage and Mechanical areas

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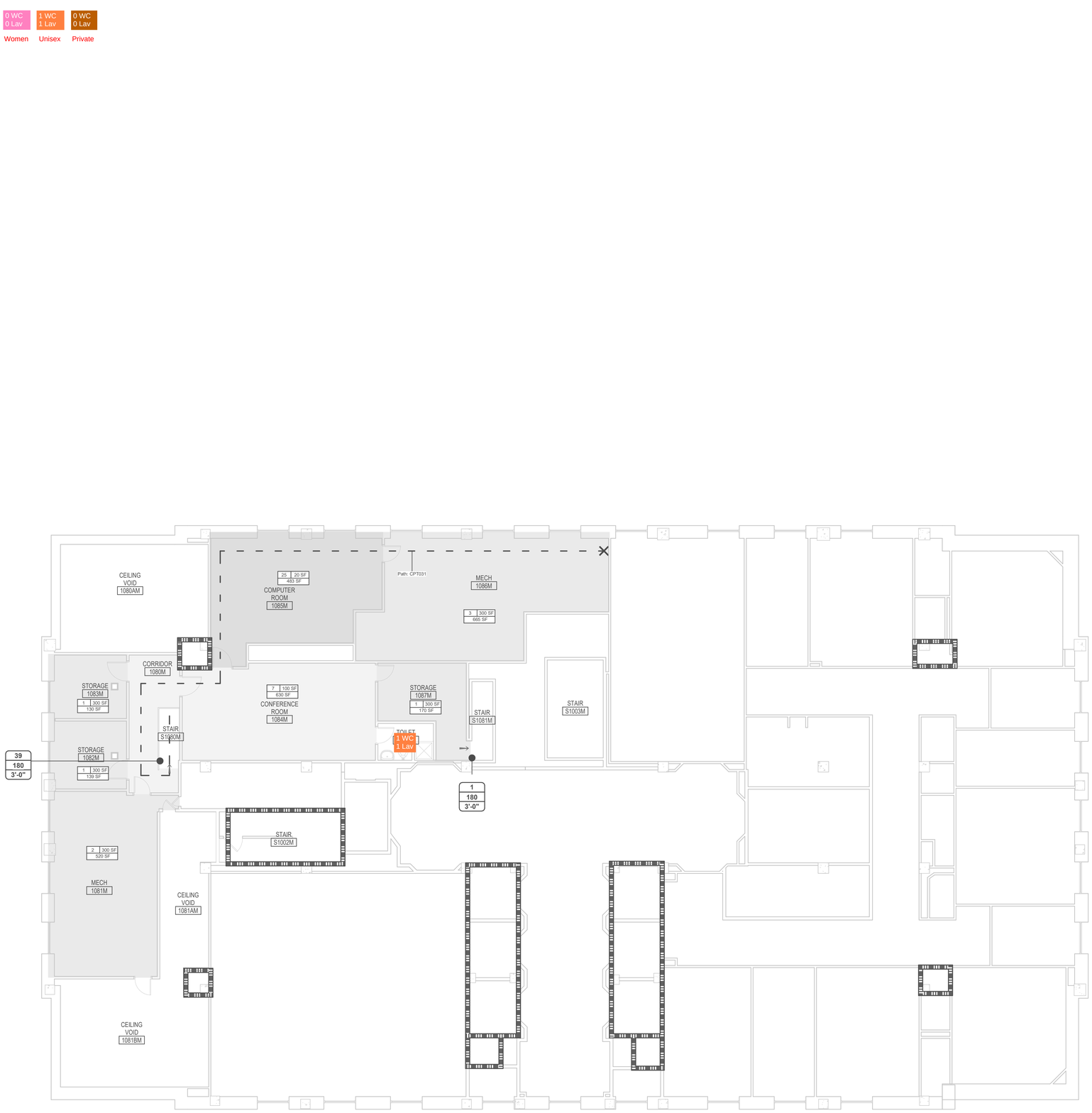
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LIFE SAFETY PLAN - TENTH FLOOR

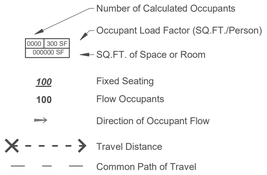
8' 0 8' 16'
1/8"=1'-0"

LS100

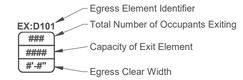


1 TENTH FLOOR MEZZ
1/8" = 1'-0"

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 10 MEZZANINE OCCUPANT SUMMARY

Function	People	
Business	7	B
Educational - Classroom	25	B
Storage and Mechanical areas	8	S
Grand total	40	

LEVEL 10 EXIT MEZZANINE...

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
TENTH FLOOR MEZZ					
	102	39	40	3'-0"	120
	103	1	40	3'-0"	120
Grand total		40			240

LEVEL 10 MEZZANINE TRAVEL PATH...

	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT031	197'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Business
- Educational - Classroom
- Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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LIFE SAFETY PLAN - TENTH FLOOR MEZZAINE

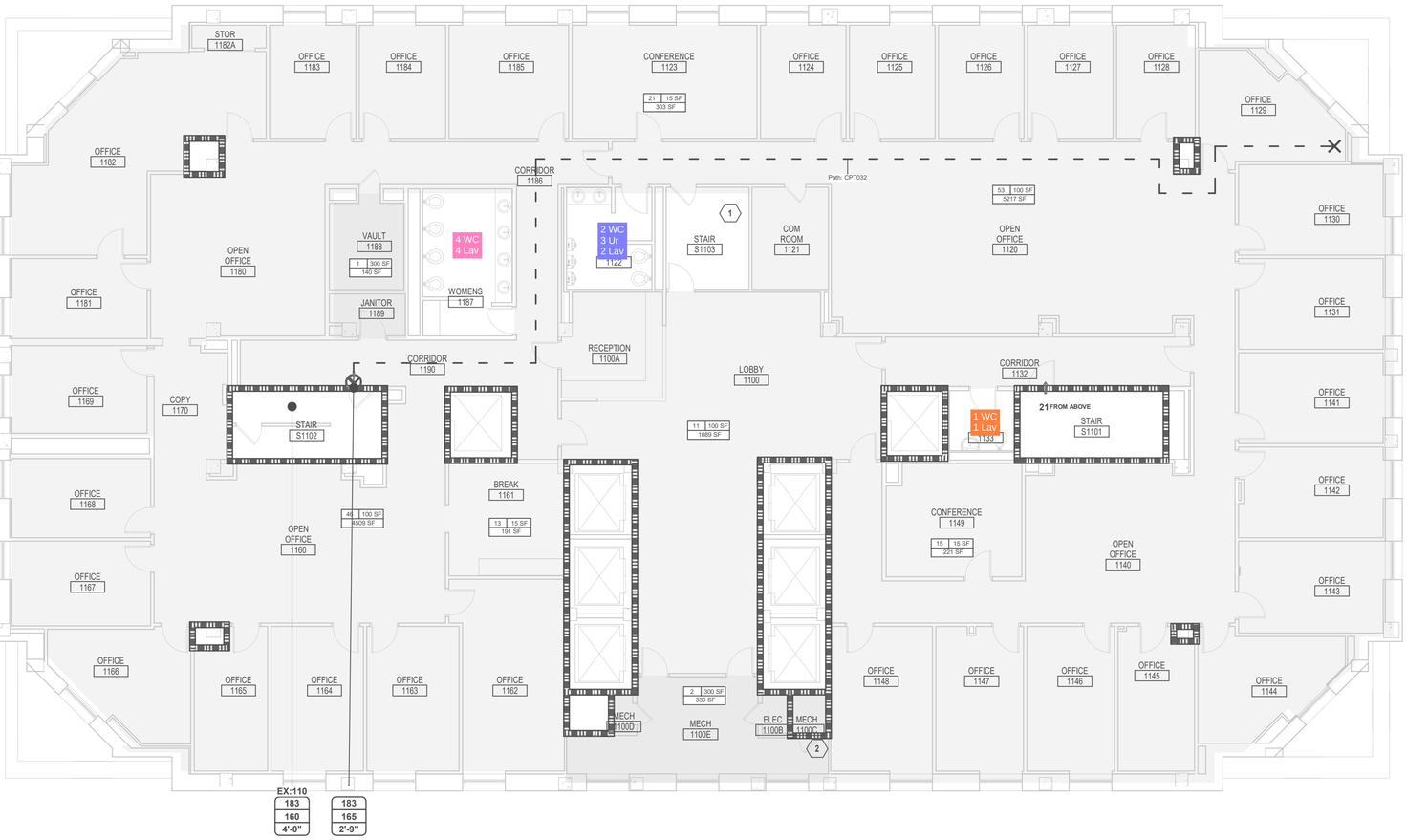
LS101

2 WC
3 Ur
2 Lav
Men

4 WC
4 Lav
Women

1 WC
1 Lav
Unisex

0 WC
0 Lav
Private



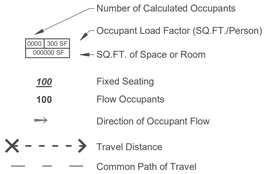
1 ELEVENTH FLOOR PLAN
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

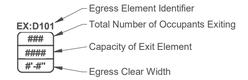
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AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 11 OCCUPANT SUMMARY		
Function	People	
Assembly - Unconcentrated	49	B
Business	110	B
~~From Above~~	~~21~~	
Storage and Mechanical areas	3	S
Grand total	183	

LEVEL 11 EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
ELEVENTH FLOOR PLAN					
EX	110	183	40	4'-0"	160
Grand total		183			160

LEVEL 11 TRAVEL PATH SCHEDULE			
	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT032	150'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

- Assembly - Unconcentrated
- Business
- Storage and Mechanical areas

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Safety Plans

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MARK	DATE	DESCRIPTION

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LIFE SAFETY PLAN - ELEVENTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

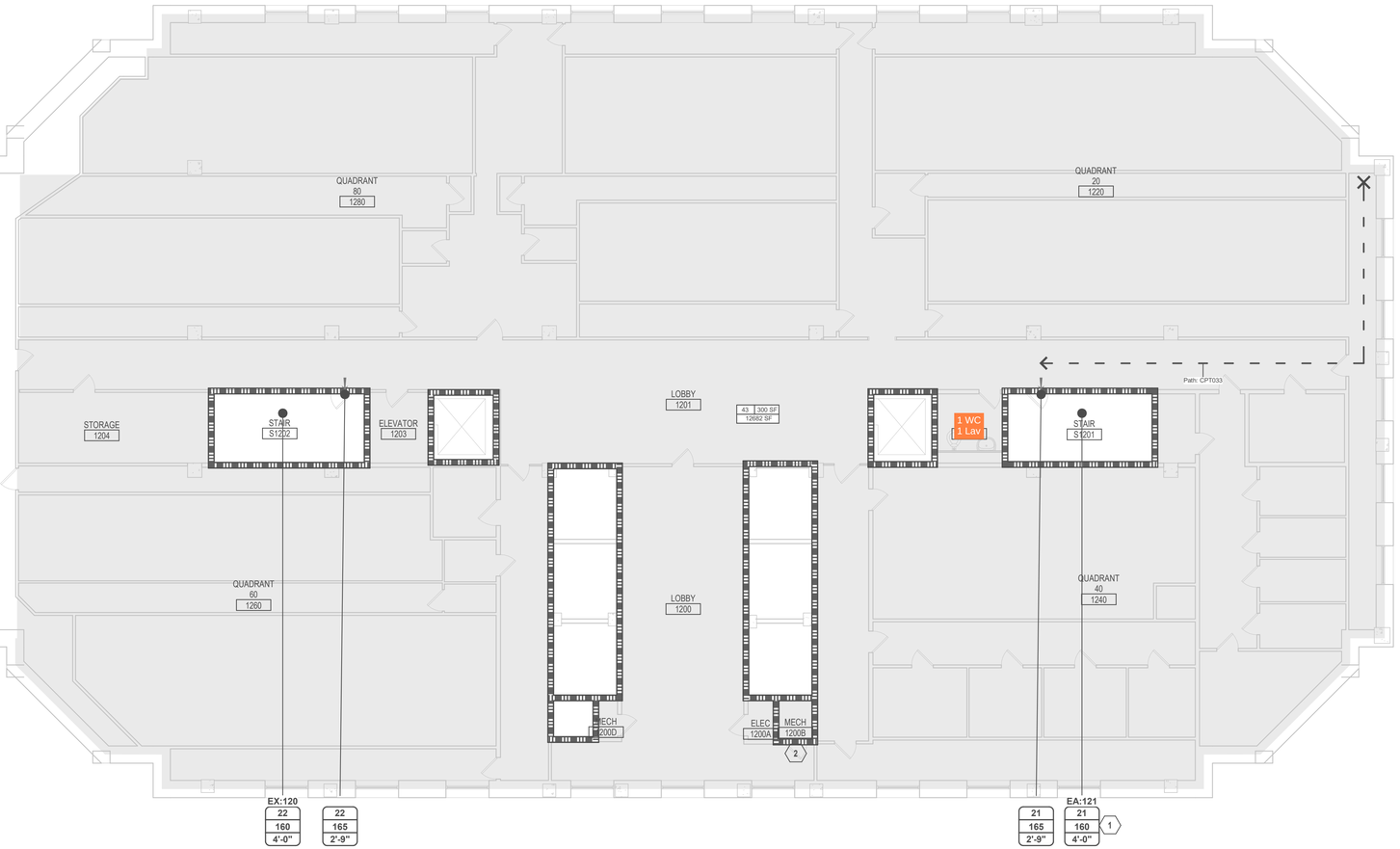
LS110

0 WC
0 Ur
0 Lav
Men

0 WC
0 Lav
Women

1 WC
1 Lav
Unisex

0 WC
0 Lav
Private

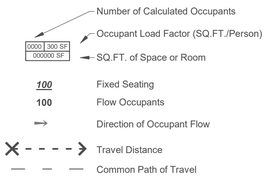


1 TWELTH FLOOR
1/8" = 1'-0"

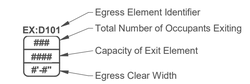
LIFE SAFETY KEYNOTES

1	STAIR CANNOT BE USED AS EXIT ACCESS SINCE ACCESS TO AN EXIT IS NOT PROVIDED ON STORY BELOW.
2	MECHANICAL ROOM BUILT AS A SHAFT DUE TO AMOUNT OF FLOOR MISSING AND NON-RATED FLOOR PENETRATIONS. WALLS HAVE MAN NON-RATED PENETRATIONS AND ARE NOT 2-HOUR RATED. DOORS ARE NOT 90-MINUTE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 12 OCCUPANT SUMMARY

Function	People
Storage and Mechanical areas	43
Grand total	43

S

LEVEL 12 EXIT SCHEDULE

Elements Desc	#	People Egressing	People per Foot	Clear Width	Exit Capacity
TWELTH FLOOR					
EX	120	22	40	4'-0"	160
EA	121	21	40	4'-0"	160
Grand total		43			320

LEVEL 12 TRAVEL PATH SCHEDULE

Path	Travel Distance Actual	Travel Distance Max	Comments
Common Path of Travel			
CPT033	58'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

Storage and Mechanical areas

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LIFE SAFETY PLAN - TWELFTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

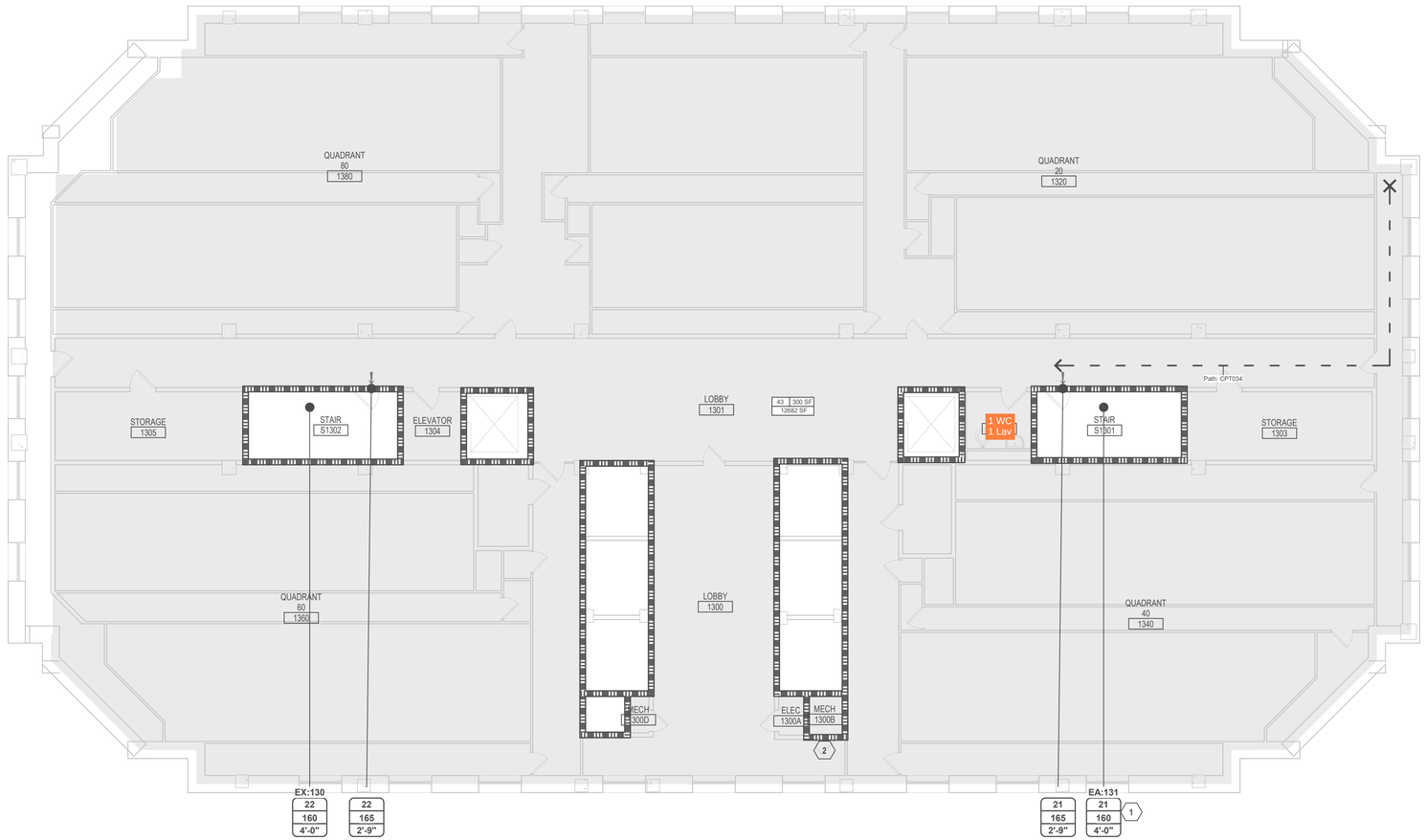
LS120

0 WC
0 Ur
0 Lav
Men

0 WC
0 Lav
Women

1 WC
1 Lav
Unisex

0 WC
0 Lav
Private



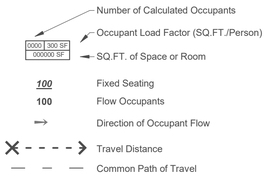
1 THIRTHENTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

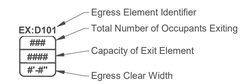
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AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 13 OCCUPANT SUMMARY		
Function	People	
Storage and Mechanical areas	43	S
Grand total	43	

LEVEL 13 EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
THIRTHENTH FLOOR					
EX	130	22	40	4'-0"	160
EA	131	21	40	4'-0"	160
Grand total		43			320

LEVEL 13 TRAVEL PATH SCHEDULE			
	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT034	60'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

Storage and Mechanical areas

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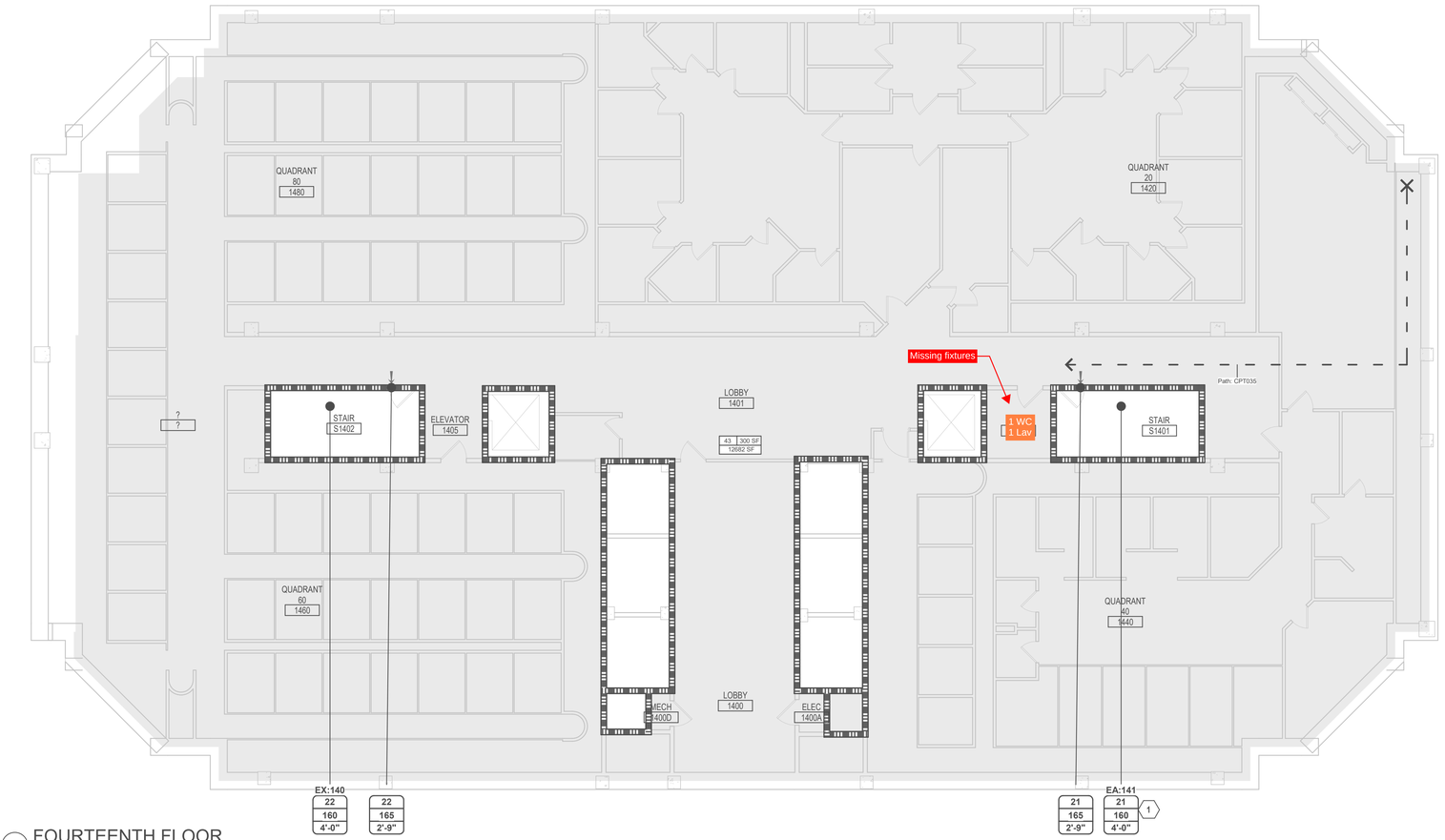
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LIFE SAFETY PLAN - THIRTEENTH FLOOR

8' 0 8' 16'
1/8"=1'-0"

LS130

0 WC 0 Ur 0 Lav	0 WC 0 Lav	1 WC 1 Lav	0 WC 0 Lav
Men	Women	Unisex	Private



1 FOURTEENTH FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

1 STAIR CANNOT BE USED AS EXIT ACCESS SINCE ACCESS TO AN EXIT IS NOT PROVIDED ON STORY BELOW.

AREA TAG

EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

LEVEL 14 OCCUPANT SUMMARY	
Function	People
Storage and Mechanical areas	43 S
Grand total	43

LEVEL 14 EXIT SCHEDULE					
Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
FOURTEENTH FLOOR					
EX	140	22	40	4'-0"	160
EA	141	21	40	4'-0"	160
Grand total		43			320

LEVEL 14 TRAVEL PATH SCHEDULE			
	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT035	61'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

Storage and Mechanical areas

8' 0 8' 16'
1/8"=1'-0"

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Jackson County Courthouse Life Safety Plans
415 E. 12th St, Kansas City, MO 64106

MARK	DATE	DESCRIPTION

HEI PROJECT NO: 2050002669
ISSUED FOR: AS-BUILT
ISSUE DATE: 4/02/2021

LIFE SAFETY PLAN - FOURTEENTH FLOOR

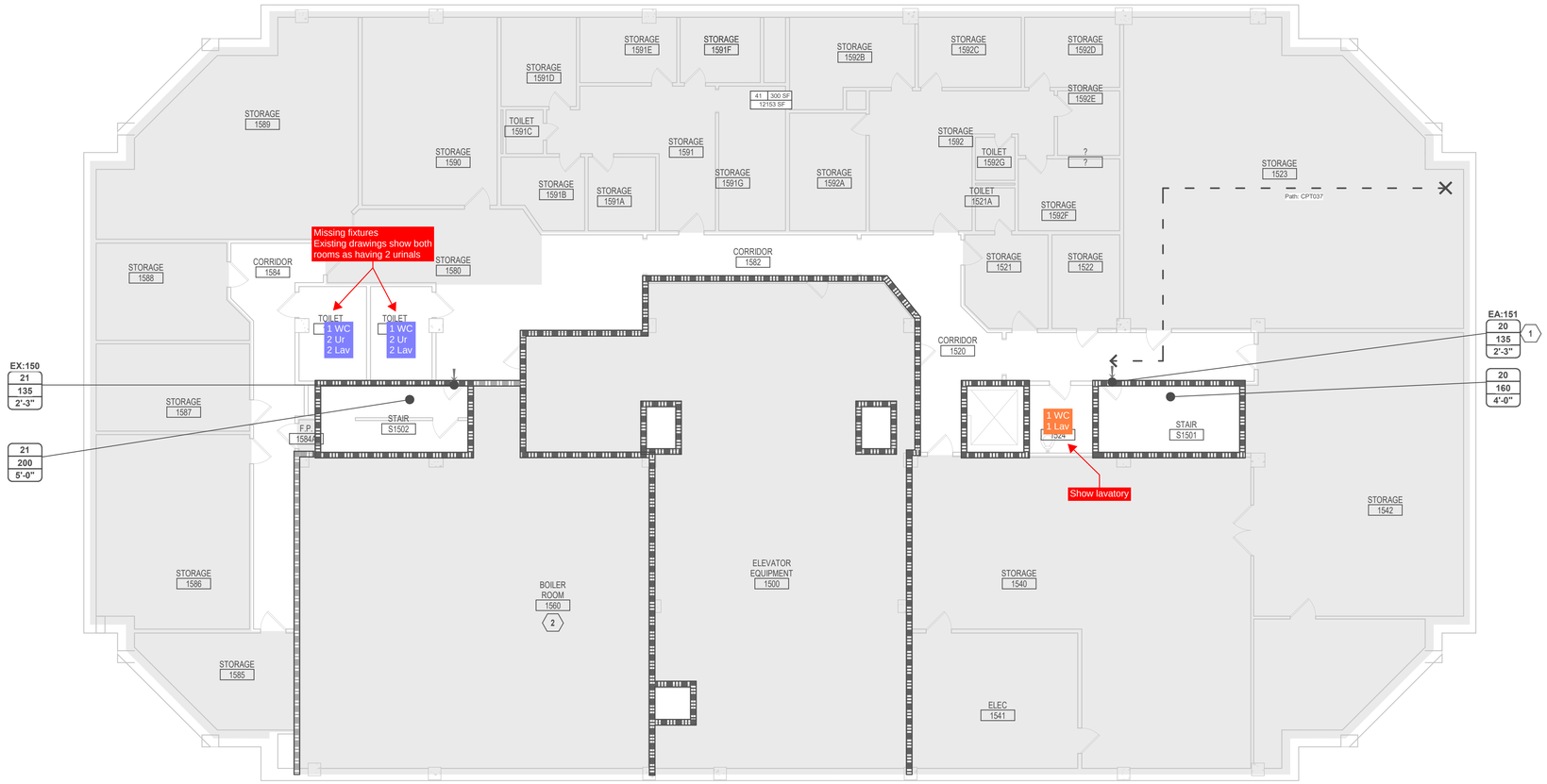
LS140

2 WC
4 Ur
4 Lav
Men

0 WC
0 Lav
Women

1 WC
1 Lav
Unisex

0 WC
0 Lav
Private



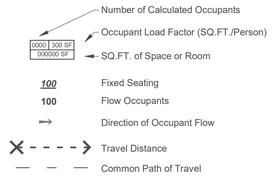
1 PENT HOUSE FLOOR
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

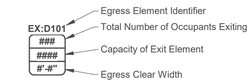
1 STAIR CANNOT BE USED AS EXIT ACCESS SINCE ACCESS TO AN EXIT IS NOT PROVIDED ON STORY BELOW.

2 1 HR ROOM REQUIRED FOR BOILERS OVER 15 PSI AND 10 HORSEPOWER.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

PENTHOUSE OCCUPANT SUMMARY

Function	People	
Storage and Mechanical areas	41	S
Grand total	41	

PENTHOUSE EXIT SCHEDULE

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
PENT HOUSE FLOOR					
EX	150	21	60	2'-3"	135
EA	151	20	60	2'-3"	135
Grand total		41			270

PENTHOUSE TRAVEL PATH SCHEDULE

	Travel Distance		
Path	Actual	Max	Comments
Common Path of Travel			
CPT037	60'	75'	

Maximum permitted travel distances based on non-sprinklered building.

Function of Space

Storage and Mechanical areas

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2030002669
MO. CORPORATE NO: E-556D
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LIFE SAFETY PLAN - PENTHOUSE

8' 0 8' 16'
1/8"=1'-0"

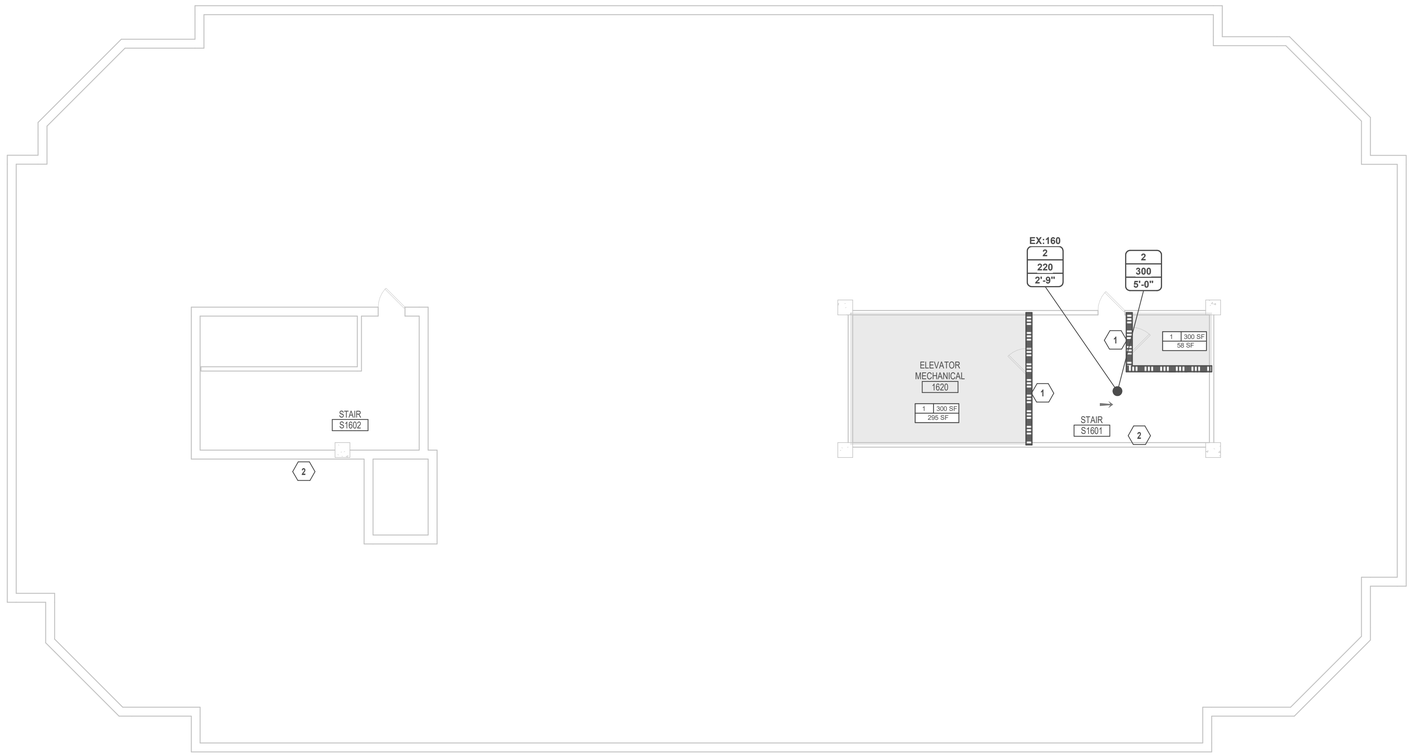
LS150

0 WC
0 Ur
0 Lav
Men

0 WC
0 Lav
Women

0 WC
0 Lav
Unisex

0 WC
0 Lav
Private



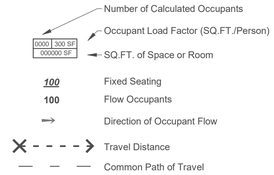
1 ROOF FLOOR PLAN
1/8" = 1'-0"

LIFE SAFETY KEYNOTES

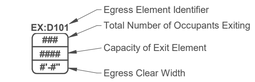
1 2HR WALL REQUIRED TO SEPARATE EXIT STAIRWAY FROM ADJACENT ROOMS

2 EXTERIOR WALLS OF ROOFTOP STRUCTURE NOT REQUIRED TO BE RATED.

AREA TAG



EGRESS TAG



EX = Exit
HE = Horizontal Exit
EA = Exit Access

ROOF OCCUPANT SUMMARY

Function	People	
Storage and Mechanical areas	2	S
Grand total	2	

ROOF EXIT SCHEDULE

Elements		People	People	Clear	Exit
Desc	#	Egressing	per Foot	Width	Capacity
ROOF FLOOR PLAN					
EX	160	2	80	2'-9"	220
Grand total		2			220

Function of Space

Storage and Mechanical areas

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2030002669
MO. CORPORATE NO: E-556D
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LIFE SAFETY PLAN - ROOF

8' 0 8' 16'
1/8"=1'-0"

LS160

Section 5

Appendix B: As-Built Floor Plans

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2021
AS-BUILT

PROJECT TEAM



DRAWING INDEX

SHEET NUMBER	SHEET NAME	SD - XX/XX/2020	DD - XX/XX/2020	50% CD - XX/XX/2020	75% CD - XX/XX/2020
G000	COVER SHEET				
A000	BASEMENT FLOOR PLAN				
A000-A	BASEMENT FLOOR SCHEDULES				
A001	GROUND FLOOR PLAN				
A001-S	GROUND FLOOR SCHEDULES				
A010	FIRST FLOOR PLAN				
A010-S	FIRST FLOOR SCHEDULES				
A011	FIRST FLOOR PLAN MEZZ				
A011-S	FIRST FLOOR MEZZ SCHEDULES				
A020	SECOND FLOOR PLAN				
A020-S	SECOND FLOOR SCHEDULES				
A030	THIRD FLOOR PLAN				
A030-S	THIRD FLOOR SCHEDULES				
A031	THIRD FLOOR PLAN MEZZ				
A031-S	THIRD FLOOR MEZZ SCHEDULES				
A040	FOURTH FLOOR				
A040-S	FOURTH FLOOR SCHEDULES				
A041	FOURTH FLOOR PLAN MEZZ				
A041-S	FOURTH FLOOR MEZZ - SCHEDULES				
A050	FIFTH FLOOR PLAN				
A050-S	FIFTH FLOOR SCHEDULES				
A051	FIFTH FLOOR PLAN MEZZ				
A051-S	FIFTH FLOOR MEZZ SCHEDULES				
A060	SIXTH FLOOR PLAN				
A060-S	SIXTH FLOOR SCHEDULES				
A061	SIXTH FLOOR MEZZ				
A061-S	SIXTH FLOOR MEZZ SCHEDULES				

SHEET NUMBER	SHEET NAME	SD - XX/XX/2020	DD - XX/XX/2020	50% CD - XX/XX/2020	75% CD - XX/XX/2020
A070	SEVENTH FLOOR PLAN				
A070-S	SEVENTH FLOOR SCHEDULES				
A071	SEVENTH FLOOR PLAN MEZZ				
A071-S	SEVENTH FLOOR MEZZ SCHEDULE				
A080	EIGHTH FLOOR PLAN				
A080-S	EIGHTH FLOOR SCHEDULES				
A081	EIGHTH FLOOR PLAN MEZZ				
A081-S	EIGHTH FLOOR MEZZ SCHEDULES				
A090	NINTH FLOOR PLAN				
A090-S	NINTH FLOOR SCHEDULES				
A100	TENTH FLOOR PLAN				
A100-S	TENTH FLOOR SCHEDULES				
A101	TENTH FLOOR PLAN MEZZ				
A101-S	TENTH FLOOR MEZZ SCHEDULES				
A110	ELEVENTH FLOOR PLAN				
A110-S	ELEVENTH FLOOR SCHEDULES				
A120	TWELFTH FLOOR PLAN				
A120-S	TWELTH FLOOR SCHEDULES				
A130	THIRTEENTH FLOOR PLAN				
A130-S	THIRTEENTH FLOOR SCHEDULES				
A140	FOURTEENTH FLOOR PLAN				
A140-S	FOURTEENTH FLOOR SCHEDULES				
A150	PENTHOUSE FLOOR PLAN				
A150-S	PENTHOUSE FLOOR SCHEDULES				
A160	ROOF FLOOR PLAN				
A160-S	ROOF FLOOR SCHEDULES				

ARCHITECT-OF-RECORD:

SFS ARCHITECTURE
2100 CENTRAL, SUITE 31
KANSAS CITY MISSOURI 64108

O: 816.474.1397
F: 816.421.8024

201066

2021

AS-BUILT

Jackson County Courthouse FCA
415 E. 12th ST.

Jackson County Courthouse FCA

FOR:
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1 2 3 4 5

D C B A

QUADRANT 80

QUADRANT 20

QUADRANT 00

QUADRANT 60

QUADRANT 40

TUNNELS

UNEXCAVATED

ELEVATOR LOBBY
B100

ELEVATOR PITS
B103

COR
B104

WORKROOM
B102

STAIR
BS040

UP

DATA ROOM
B122

BOILER ROOM
B127

MACHINERY ROOM
B101

PUMP ROOM
B123

TOILET
B124

DN

STAIR
BS060

DN

TRANSFORMER ROOM
B128

SWITCHGEAR ROOM
B126A

SWITCHGEAR ROOM
B126

OFFICE
B125

UP

UP

UP

UP

1 BASEMENT FLOOR PLAN
A000 1/8" = 1'-0"

8' 0 8' 16'

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(P) 816.471.1397 (F) 816.421.6024 www.sfsarch.com

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1	Date 1	Site check

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BASEMENT FLOOR PLAN

A000

SPACE SCHEDULE - 000 BASEMENT FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
BASEMENT FLOOR PLAN	B100	ELEVATOR LOBBY	233 SF	61' - 3 1/2"	10' - 0"	613 SF	
BASEMENT FLOOR PLAN	B101	MACHINERY ROOM	1288 SF	205' - 10"	10' - 0"	2058 SF	
BASEMENT FLOOR PLAN	B102	WORKROOM	75 SF	34' - 9"	10' - 0"	348 SF	
BASEMENT FLOOR PLAN	B103	ELEVATOR PITS	194 SF	72' - 0 1/2"	10' - 0"	720 SF	
BASEMENT FLOOR PLAN	B104	COR	51 SF	29' - 5"	10' - 0"	294 SF	
Grand total: 5			1841 SF	403' - 4"		4033 SF	

SPACE SCHEDULE - 000 BASEMENT FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
BASEMENT FLOOR PLAN	B122	DATA ROOM	131 SF	46' - 8"	10' - 0"	467 SF	
BASEMENT FLOOR PLAN	B123	PUMP ROOM	997 SF	151' - 4"	10' - 0"	1513 SF	
BASEMENT FLOOR PLAN	B124	TOILET	19 SF	18' - 8"	10' - 0"	187 SF	
BASEMENT FLOOR PLAN	B125	OFFICE	189 SF	56' - 2 1/2"	10' - 0"	562 SF	
BASEMENT FLOOR PLAN	B126	SWITCHGEAR ROOM	897 SF	127' - 0 1/2"	10' - 0"	1270 SF	
BASEMENT FLOOR PLAN	B126A	SWITCHGEAR ROOM	281 SF	73' - 0"	10' - 0"	730 SF	
BASEMENT FLOOR PLAN	B127	BOILER ROOM	2251 SF	221' - 10 1/8"	10' - 0"	2218 SF	
BASEMENT FLOOR PLAN	B128	TRANSFORMER ROOM	411 SF	85' - 11 7/8"	10' - 0"	860 SF	
Grand total: 8			5177 SF	780' - 9"		7808 SF	

SPACE SCHEDULE - 000 BASEMENT FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 000 BASEMENT FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 000 BASEMENT FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 000 BASEMENT FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
BASEMENT FLOOR PLAN	BS040	STAIR	44 SF	30' - 4 1/2"	10' - 0"	304 SF	
BASEMENT FLOOR PLAN	BS060	STAIR	23 SF	18' - 1 7/8"	10' - 0"	182 SF	
Grand total: 2			67 SF	48' - 6 3/8"		485 SF	

8' 0 8' 16'

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BASEMENT FLOOR SCHEDULES

A000-A

1 2 3 4 5

D C B A

QUADRANT 80

QUADRANT 20

QUADRANT 00

QUADRANT 60 - 1998

QUADRANT 40

OFFICE 084
MECH 085
IT GATHERING 086
OFFICE 087
IT ROOM 088
DATA 092
STORAGE 094
MECH 021
OFFICE 022
OFFICE 023
STORAGE 024
OFFICE 025
OFFICE 083
OPEN OFFICE 080
RAMP UP
GG 091
RAF 093
RAMP UP
OPEN OFFICE 020
STOR 082A
OFFICE 082
UP RAMP
UP RAMP
CVT 090
BREAK 095
CORRIDOR 027
TOILET 028
CONFERENCE 026
OFFICE 081
WEST VEST 002
MAIN LOBBY 000
EAST VEST 001
UP
VEST 004
WOMENS 003
UP STAIR S001
STORAGE 008
UP STAIR S002
HOLDING 061
JANITOR 007
VEST 006
MENS 005
HOLDING 062
STORAGE 066
BREAK ROOM 065
DN STAIR S040
STORAGE 053
TOILET 048
BREAK 047
OFFICE 041
OFFICE 042
OPEN OFFICE 040
OFFICE 043
OPEN OFFICE 060
JANITOR 054A
MECH 000E
LOBBY 050
ELEC 000A
MECH 000C
STOR 050B
MAIL ROOM 046
HOLDING 063
ELECTRICAL 057
TOILET 056
TOILET 055
COR 054
STORAGE 000D
COR 000B
VESTIBULE 052
OFFICE 044
SECURITY 050A
OFFICE 064
STORAGE 045
GARAGE 051
RAMP UP
RAMP DN

1 A001 GROUND FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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GROUND FLOOR PLAN

A001

SPACE SCHEDULE - 001 GROUND FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
GROUND FLOOR	000	MAIN LOBBY	3445 SF	496' - 1 1/8"	10' - 0"	4961 SF	
GROUND FLOOR	000A	ELEC	13 SF	14' - 6"	10' - 0"	145 SF	
GROUND FLOOR	000B	COR	39 SF	26' - 0 1/4"	10' - 0"	260 SF	
GROUND FLOOR	000C	MECH	18 SF	16' - 10"	10' - 0"	168 SF	
GROUND FLOOR	000D	STORAGE	43 SF	26' - 10"	10' - 0"	268 SF	
GROUND FLOOR	000E	MECH	11 SF	13' - 8"	10' - 0"	137 SF	
GROUND FLOOR	001	EAST VEST	93 SF	41' - 4 3/4"	10' - 0"	414 SF	
GROUND FLOOR	002	WEST VEST	270 SF	85' - 4"	10' - 0"	853 SF	
GROUND FLOOR	003	WOMENS	132 SF	50' - 9"	10' - 0"	508 SF	
GROUND FLOOR	004	VEST	18 SF	16' - 9"	10' - 0"	168 SF	
GROUND FLOOR	005	MENS	208 SF	65' - 7 1/2"	10' - 0"	656 SF	
GROUND FLOOR	006	VEST	17 SF	16' - 6 1/2"	10' - 0"	165 SF	
GROUND FLOOR	007	JANITOR	89 SF	41' - 7 1/2"	10' - 0"	416 SF	
GROUND FLOOR	008	STORAGE	86 SF	41' - 3 1/2"	10' - 0"	413 SF	
Grand total: 14			4481 SF	953' - 3 1/8"		9533 SF	

SPACE SCHEDULE - 001 GROUND FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
GROUND FLOOR	020	OPEN OFFICE	1229 SF	197' - 8 3/4"	10' - 0"	1977 SF	
GROUND FLOOR	021	MECH	128 SF	47' - 1 1/2"	10' - 0"	471 SF	
GROUND FLOOR	022	OFFICE	137 SF	48' - 2 1/2"	10' - 0"	482 SF	
GROUND FLOOR	023	OFFICE	119 SF	45' - 8 1/4"	10' - 0"	457 SF	
GROUND FLOOR	024	STORAGE	132 SF	46' - 8 3/4"	10' - 0"	467 SF	
GROUND FLOOR	025	OFFICE	132 SF	49' - 11"	10' - 0"	499 SF	
GROUND FLOOR	026	CONFERENCE	379 SF	78' - 0 1/2"	10' - 0"	780 SF	
GROUND FLOOR	027	CORRIDOR	72 SF	37' - 8"	10' - 0"	377 SF	
GROUND FLOOR	028	TOILET	81 SF	37' - 7 1/2"	10' - 0"	376 SF	
Grand total: 9			2409 SF	588' - 8 3/4"		5887 SF	

SPACE SCHEDULE - 001 GROUND FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
GROUND FLOOR	040	OPEN OFFICE	781 SF	132' - 9 1/2"	10' - 0"	1328 SF	
GROUND FLOOR	041	OFFICE	171 SF	53' - 4 3/4"	10' - 0"	534 SF	
GROUND FLOOR	042	OFFICE	163 SF	52' - 9 1/2"	10' - 0"	528 SF	
GROUND FLOOR	043	OFFICE	146 SF	49' - 5 1/2"	10' - 0"	495 SF	
GROUND FLOOR	044	OFFICE	219 SF	61' - 2 1/2"	10' - 0"	612 SF	
GROUND FLOOR	045	STORAGE	804 SF	156' - 7 3/4"	10' - 0"	1566 SF	
GROUND FLOOR	046	MAIL ROOM	248 SF	63' - 8"	10' - 0"	637 SF	
GROUND FLOOR	047	BREAK	101 SF	40' - 4 1/4"	10' - 0"	404 SF	
GROUND FLOOR	048	TOILET	23 SF	20' - 1 1/4"	10' - 0"	201 SF	
GROUND FLOOR	050	LOBBY	262 SF	65' - 10"	10' - 0"	658 SF	
GROUND FLOOR	050A	SECURITY	50 SF	28' - 2 3/4"	10' - 0"	282 SF	
GROUND FLOOR	050B	STOR	70 SF	36' - 6"	10' - 0"	365 SF	
GROUND FLOOR	051	GARAGE	4668 SF	348' - 4 1/2"	10' - 0"	3484 SF	
GROUND FLOOR	052	VESTIBULE	59 SF	32' - 3 1/2"	10' - 0"	323 SF	
GROUND FLOOR	053	STORAGE	376 SF	85' - 10 3/4"	10' - 0"	859 SF	
GROUND FLOOR	054	COR	43 SF	27' - 7 3/4"	10' - 0"	276 SF	
GROUND FLOOR	054A	JANITOR	45 SF	32' - 11 3/4"	10' - 0"	330 SF	
GROUND FLOOR	055	TOILET	30 SF	23' - 0"	10' - 0"	230 SF	
GROUND FLOOR	056	TOILET	30 SF	23' - 0"	10' - 0"	230 SF	
GROUND FLOOR	057	ELECTRICAL	138 SF	47' - 2 1/4"	10' - 0"	472 SF	
Grand total: 20			8424 SF	1381' - 4 1/4"		13814 SF	

SPACE SCHEDULE - 001 GROUND FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
GROUND FLOOR	060	OPEN OFFICE	1642 SF	230' - 9 1/2"	10' - 0"	2308 SF	
GROUND FLOOR	061	HOLDING	114 SF	49' - 6"	10' - 0"	495 SF	
GROUND FLOOR	062	HOLDING	92 SF	44' - 4 3/4"	10' - 0"	444 SF	
GROUND FLOOR	063	HOLDING	120 SF	45' - 5"	10' - 0"	454 SF	
GROUND FLOOR	064	OFFICE	183 SF	55' - 6 1/4"	10' - 0"	555 SF	
GROUND FLOOR	065	BREAK ROOM	109 SF	47' - 10"	10' - 0"	478 SF	
GROUND FLOOR	066	STORAGE	157 SF	51' - 6"	10' - 0"	515 SF	
Grand total: 7			2418 SF	524' - 11 1/2"		5250 SF	

SPACE SCHEDULE - 001 GROUND FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
GROUND FLOOR	080	OPEN OFFICE	2188 SF	259' - 5 3/8"	10' - 0"	2595 SF	
GROUND FLOOR	081	OFFICE	123 SF	45' - 5 1/2"	10' - 0"	455 SF	
GROUND FLOOR	082	OFFICE	153 SF	54' - 2 7/8"	10' - 0"	542 SF	
GROUND FLOOR	082A	STOR	14 SF	19' - 11"	10' - 0"	199 SF	
GROUND FLOOR	083	OFFICE	160 SF	55' - 0 1/2"	10' - 0"	550 SF	
GROUND FLOOR	084	OFFICE	208 SF	58' - 0 1/2"	10' - 0"	580 SF	
GROUND FLOOR	085	MECH	174 SF	53' - 2 1/2"	10' - 0"	532 SF	
GROUND FLOOR	086	IT GATHERING	201 SF	57' - 0"	10' - 0"	570 SF	
GROUND FLOOR	087	OFFICE	128 SF	44' - 5 3/4"	10' - 0"	445 SF	
GROUND FLOOR	088	IT ROOM	284 SF	75' - 3"	10' - 0"	753 SF	
GROUND FLOOR	090	CVT	836 SF	127' - 8"	10' - 0"	1277 SF	
GROUND FLOOR	091	GG	732 SF	110' - 3 1/2"	10' - 0"	1103 SF	
GROUND FLOOR	092	DATA	42 SF	26' - 7 1/2"	10' - 0"	266 SF	
GROUND FLOOR	093	RAF	814 SF	136' - 4 1/4"	10' - 0"	1364 SF	
GROUND FLOOR	094	STORAGE	87 SF	39' - 4 1/4"	10' - 0"	394 SF	
GROUND FLOOR	095	BREAK	323 SF	74' - 4"	10' - 0"	743 SF	
Grand total: 16			6467 SF	1236' - 8 1/2"		12367 SF	

SPACE SCHEDULE - 001 GROUND FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
GROUND FLOOR	S001	STAIR	161 SF	68' - 8"	10' - 0"	687 SF	
GROUND FLOOR	S002	STAIR	162 SF	68' - 0 7/8"	10' - 0"	681 SF	
GROUND FLOOR	S040	STAIR	43 SF	30' - 4 1/2"	10' - 0"	304 SF	
Grand total: 3			366 SF	167' - 1 3/8"		1671 SF	

8' 0 8' 16'

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Jackson County Courthouse FCA

415 E. 12th ST.

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SFS PROJECT NO: 201066
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GROUND FLOOR SCHEDULES

A001-S

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QUADRANT 80

QUADRANT 20

QUADRANT 00

QUADRANT 60

QUADRANT 40

OFFICE 181
OFFICE 182
OFFICE 183
OFFICE 184
OFFICE 185
STOR 185A
STOR 185B
MAIN VESTIBULE 102
MECH 105
STOR 104A
MECH 104
STOR 103A
OFFICE 103
OFFICE 122
OFFICE 123
STOR 122A
STAIR E
UP
OFFICE 126
OFFICE 127
OFFICE 128
OPEN OFFICE 125
STAIR F
STOR 160B
OPEN OFFICE 180
MAIN LOBBY 101
FILE ROOM 121
RECEPTION 124
OPEN OFFICE 129
OFFICE 130
RECEPTION 120
OPEN OFFICE 160
STAIR S102
DN
ELEVATOR LOBBY 100
STAIR S101
STORAGE 120A
VAULT 146
OPEN OFFICE 144
OFFICE 145
OPEN OFFICE 140
OPEN OFFICE 157
MECH 100E
STORAGE 100D
ELEC 100A
MECH 100C
STORAGE 100B
VAULT 151
FILE ROOM 147
RECEPTION 143
VEST 143A
STOR 160A
STOR 150B
BREAK 155
OFFICE 156
STAIR C
STAIR D
STOR 150A
STAIR A
STOR 142A
STAIR B
OPEN OFFICE 142
OFFICE 141
OPEN OFFICE 150
OFFICE 152
OFFICE 154
OFFICE 153

1 A010 FIRST FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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FIRST FLOOR PLAN

A010

SPACE SCHEDULE - 010 FIRST FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN	100	ELEVATOR LOBBY	393 SF	84' - 3 1/2"	10' - 0"	843 SF	
FIRST FLOOR PLAN	100A	ELEC	20 SF	17' - 10 5/8"	10' - 0"	179 SF	
FIRST FLOOR PLAN	100B	STORAGE	46 SF	28' - 9 3/8"	10' - 0"	288 SF	
FIRST FLOOR PLAN	100C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
FIRST FLOOR PLAN	100D	STORAGE	48 SF	29' - 2 1/2"	10' - 0"	292 SF	
FIRST FLOOR PLAN	100E	MECH	16 SF	15' - 10"	10' - 0"	158 SF	
FIRST FLOOR PLAN	101	MAIN LOBBY	2153 SF	204' - 2 1/2"	10' - 0"	2042 SF	
FIRST FLOOR PLAN	102	MAIN VESTIBULE	149 SF	52' - 8"	10' - 0"	527 SF	
FIRST FLOOR PLAN	103	OFFICE	138 SF	47' - 7"	10' - 0"	476 SF	
FIRST FLOOR PLAN	103A	STOR	11 SF	13' - 3 1/2"	10' - 0"	133 SF	
FIRST FLOOR PLAN	104	MECH	49 SF	35' - 9 3/4"	10' - 0"	358 SF	
FIRST FLOOR PLAN	104A	STOR	27 SF	21' - 1 5/8"	10' - 0"	211 SF	
FIRST FLOOR PLAN	105	MECH	14 SF	15' - 5"	10' - 0"	154 SF	
Grand total: 13			3082 SF	583' - 6"		5835 SF	

SPACE SCHEDULE - 010 FIRST FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN	120	RECEPTION	767 SF	137' - 0 1/8"	10' - 0"	1370 SF	
FIRST FLOOR PLAN	120A	STORAGE	56 SF	31' - 0"	10' - 0"	310 SF	
FIRST FLOOR PLAN	121	FILE ROOM	646 SF	123' - 2"	10' - 0"	1232 SF	
FIRST FLOOR PLAN	122	OFFICE	233 SF	63' - 10 1/2"	10' - 0"	639 SF	
FIRST FLOOR PLAN	122A	STOR	11 SF	13' - 0 1/2"	10' - 0"	130 SF	
FIRST FLOOR PLAN	123	OFFICE	179 SF	53' - 6 3/4"	10' - 0"	536 SF	
FIRST FLOOR PLAN	124	RECEPTION	604 SF	97' - 6 3/8"	10' - 0"	975 SF	
FIRST FLOOR PLAN	125	OPEN OFFICE	757 SF	139' - 3 1/4"	10' - 0"	1393 SF	
FIRST FLOOR PLAN	126	OFFICE	168 SF	52' - 1"	10' - 0"	521 SF	
FIRST FLOOR PLAN	127	OFFICE	173 SF	52' - 8 1/4"	10' - 0"	527 SF	
FIRST FLOOR PLAN	128	OFFICE	95 SF	39' - 2 1/4"	10' - 0"	392 SF	
FIRST FLOOR PLAN	129	OPEN OFFICE	527 SF	127' - 2 3/4"	10' - 0"	1272 SF	
FIRST FLOOR PLAN	130	OFFICE	153 SF	51' - 9 1/4"	10' - 0"	518 SF	
Grand total: 13			4370 SF	981' - 5 1/8"		9814 SF	

SPACE SCHEDULE - 010 FIRST FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN	140	OPEN OFFICE	889 SF	156' - 11 3/4"	10' - 0"	1570 SF	
FIRST FLOOR PLAN	141	OFFICE	195 SF	55' - 9 3/4"	10' - 0"	558 SF	
FIRST FLOOR PLAN	142	OPEN OFFICE	381 SF	80' - 1 5/8"	10' - 0"	801 SF	
FIRST FLOOR PLAN	142A	STOR	21 SF	18' - 8 1/8"	10' - 0"	187 SF	
FIRST FLOOR PLAN	143	RECEPTION	247 SF	70' - 11 1/4"	10' - 0"	709 SF	
FIRST FLOOR PLAN	143A	VEST	17 SF	17' - 0 3/4"	10' - 0"	171 SF	
FIRST FLOOR PLAN	144	OPEN OFFICE	392 SF	94' - 8 1/2"	10' - 0"	947 SF	
FIRST FLOOR PLAN	145	OFFICE	142 SF	47' - 8 1/4"	10' - 0"	477 SF	
FIRST FLOOR PLAN	146	VAULT	36 SF	24' - 4"	10' - 0"	243 SF	
FIRST FLOOR PLAN	147	FILE ROOM	567 SF	105' - 10 1/2"	10' - 0"	1059 SF	
FIRST FLOOR PLAN	150	OPEN OFFICE	3667 SF	345' - 6 1/8"	10' - 0"	3455 SF	
FIRST FLOOR PLAN	150A	STOR	20 SF	18' - 3 7/8"	10' - 0"	183 SF	
FIRST FLOOR PLAN	150B	STOR	46 SF	33' - 3 3/4"	10' - 0"	333 SF	
FIRST FLOOR PLAN	151	VAULT	447 SF	89' - 3"	10' - 0"	893 SF	
FIRST FLOOR PLAN	152	OFFICE	137 SF	47' - 11"	10' - 0"	479 SF	
FIRST FLOOR PLAN	153	OFFICE	196 SF	56' - 1"	10' - 0"	561 SF	
FIRST FLOOR PLAN	154	OFFICE	184 SF	54' - 4"	10' - 0"	543 SF	
FIRST FLOOR PLAN	155	BREAK	147 SF	48' - 6 1/2"	10' - 0"	485 SF	
FIRST FLOOR PLAN	156	OFFICE	159 SF	50' - 4 1/2"	10' - 0"	504 SF	
FIRST FLOOR PLAN	157	OPEN OFFICE	439 SF	88' - 6 1/2"	10' - 0"	885 SF	
Grand total: 20			8328 SF	1504' - 4 3/4"		15044 SF	

SPACE SCHEDULE - 010 FIRST FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN	160	Open Office	764 SF	124' - 8 1/2"	10' - 0"	1247 SF	
FIRST FLOOR PLAN	160	OPEN OFFICE	3252 SF	333' - 0"	10' - 0"	3330 SF	
FIRST FLOOR PLAN	160A	STOR	21 SF	18' - 8"	10' - 0"	187 SF	
FIRST FLOOR PLAN	160B	STOR	22 SF	19' - 4"	10' - 0"	193 SF	
Grand total: 4			4058 SF	495' - 8 1/2"		4957 SF	

SPACE SCHEDULE - 010 FIRST FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN	180	OPEN OFFICE	401 SF	85' - 4 3/4"	10' - 0"	854 SF	
FIRST FLOOR PLAN	181	OFFICE	140 SF	48' - 2"	10' - 0"	482 SF	
FIRST FLOOR PLAN	182	OFFICE	128 SF	45' - 5 1/2"	10' - 0"	455 SF	
FIRST FLOOR PLAN	183	OFFICE	272 SF	70' - 1 1/4"	10' - 0"	701 SF	
FIRST FLOOR PLAN	184	OFFICE	137 SF	46' - 2 3/8"	10' - 0"	462 SF	
FIRST FLOOR PLAN	185	OFFICE	166 SF	54' - 11 1/2"	10' - 0"	550 SF	
FIRST FLOOR PLAN	185A	STOR	32 SF	22' - 9"	10' - 0"	228 SF	
FIRST FLOOR PLAN	185B	STOR	28 SF	21' - 3"	10' - 0"	213 SF	
Grand total: 8			1305 SF	394' - 3 1/2"		3943 SF	

SPACE SCHEDULE - 010 FIRST FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN	A	STAIR	23 SF	20' - 0 7/8"	10' - 0"	201 SF	
FIRST FLOOR PLAN	B	STAIR	25 SF	19' - 7 1/2"	10' - 0"	196 SF	
FIRST FLOOR PLAN	C	STAIR	17 SF	16' - 4"	10' - 0"	163 SF	
FIRST FLOOR PLAN	D	STAIR	26 SF	21' - 1 3/4"	10' - 0"	211 SF	
FIRST FLOOR PLAN	E	STAIR	34 SF	26' - 1 5/8"	10' - 0"	261 SF	
FIRST FLOOR PLAN	F	STAIR	34 SF	26' - 3 5/8"	10' - 0"	263 SF	
FIRST FLOOR PLAN	S101	STAIR	263 SF	70' - 2"	10' - 0"	702 SF	
FIRST FLOOR PLAN	S102	STAIR	259 SF	69' - 0"	10' - 0"	690 SF	
Grand total: 8			679 SF	268' - 9 1/4"		2688 SF	

8' 0 8' 16'

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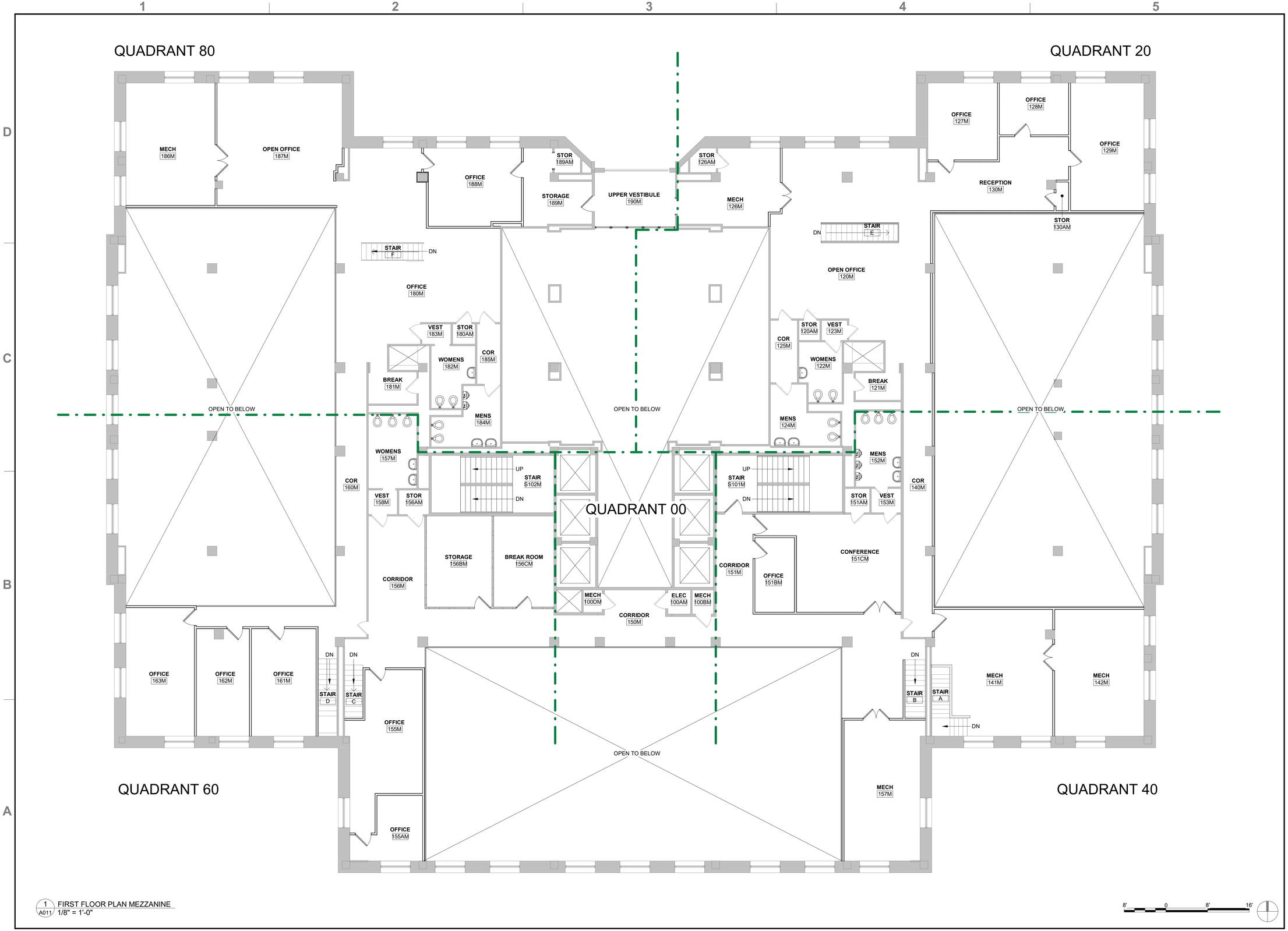
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FIRST FLOOR SCHEDULES

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1 A011 FIRST FLOOR PLAN MEZZANINE
1/8" = 1'-0"

8' 0 8' 16'

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FIRST FLOOR PLAN MEZZ

A011

SPACE SCHEDULE - 011 FIRST FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN MEZZANINE	100AM	ELEC	20 SF	17' - 10 5/8"	10' - 0"	179 SF	
FIRST FLOOR PLAN MEZZANINE	100BM	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
FIRST FLOOR PLAN MEZZANINE	100DM	MECH	16 SF	15' - 10"	10' - 0"	158 SF	
Grand total: 3			54 SF	51' - 1 1/4"		511 SF	

SPACE SCHEDULE - 011 FIRST FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN MEZZANINE	120AM	STOR	15 SF	15' - 8"	10' - 0"	157 SF	
FIRST FLOOR PLAN MEZZANINE	120M	OPEN OFFICE	1027 SF	146' - 6 7/8"	10' - 0"	1466 SF	
FIRST FLOOR PLAN MEZZANINE	121M	BREAK	51 SF	31' - 7"	10' - 0"	316 SF	
FIRST FLOOR PLAN MEZZANINE	122M	WOMENS	89 SF	39' - 8"	10' - 0"	397 SF	
FIRST FLOOR PLAN MEZZANINE	123M	VEST	19 SF	17' - 6"	10' - 0"	175 SF	
FIRST FLOOR PLAN MEZZANINE	124M	MENS	123 SF	50' - 6"	10' - 0"	505 SF	
FIRST FLOOR PLAN MEZZANINE	125M	COR	62 SF	34' - 3"	10' - 0"	343 SF	
FIRST FLOOR PLAN MEZZANINE	126AM	STOR	21 SF	18' - 2 1/2"	10' - 0"	182 SF	
FIRST FLOOR PLAN MEZZANINE	126M	MECH	236 SF	70' - 9"	10' - 0"	708 SF	
FIRST FLOOR PLAN MEZZANINE	127M	OFFICE	197 SF	56' - 2 1/4"	10' - 0"	562 SF	
FIRST FLOOR PLAN MEZZANINE	128M	OFFICE	132 SF	46' - 4 1/2"	10' - 0"	464 SF	
FIRST FLOOR PLAN MEZZANINE	129M	OFFICE	345 SF	77' - 2"	10' - 0"	772 SF	
FIRST FLOOR PLAN MEZZANINE	130AM	STOR	13 SF	15' - 8 1/2"	10' - 0"	157 SF	
FIRST FLOOR PLAN MEZZANINE	130M	RECEPTION	291 SF	86' - 5 5/8"	10' - 0"	865 SF	
Grand total: 14			2620 SF	706' - 7 1/4"		7066 SF	

SPACE SCHEDULE - 011 FIRST FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN MEZZANINE	140M	COR	282 SF	121' - 6 5/8"	10' - 0"	1216 SF	
FIRST FLOOR PLAN MEZZANINE	141M	MECH	494 SF	106' - 2 1/8"	10' - 0"	1062 SF	
FIRST FLOOR PLAN MEZZANINE	142M	MECH	417 SF	82' - 11 3/8"	10' - 0"	829 SF	
FIRST FLOOR PLAN MEZZANINE	150M	CORRIDOR	237 SF	89' - 9 1/2"	10' - 0"	898 SF	
FIRST FLOOR PLAN MEZZANINE	151AM	STOR	22 SF	18' - 9"	10' - 0"	188 SF	
FIRST FLOOR PLAN MEZZANINE	151BM	OFFICE	108 SF	43' - 9"	10' - 0"	438 SF	
FIRST FLOOR PLAN MEZZANINE	151CM	CONFERENCE	409 SF	93' - 7"	10' - 0"	936 SF	
FIRST FLOOR PLAN MEZZANINE	151M	CORRIDOR	535 SF	157' - 10 1/8"	10' - 0"	1578 SF	
FIRST FLOOR PLAN MEZZANINE	152M	MENS	125 SF	46' - 3 1/2"	10' - 0"	463 SF	
FIRST FLOOR PLAN MEZZANINE	153M	VEST	26 SF	20' - 7 1/2"	10' - 0"	206 SF	
FIRST FLOOR PLAN MEZZANINE	155AM	OFFICE	136 SF	53' - 0 3/4"	10' - 0"	531 SF	
FIRST FLOOR PLAN MEZZANINE	155M	OFFICE	343 SF	92' - 2 3/4"	10' - 0"	922 SF	
FIRST FLOOR PLAN MEZZANINE	156AM	STOR	27 SF	20' - 10"	10' - 0"	208 SF	
FIRST FLOOR PLAN MEZZANINE	156BM	STORAGE	222 SF	60' - 4 1/4"	10' - 0"	604 SF	
FIRST FLOOR PLAN MEZZANINE	156CM	BREAK ROOM	203 SF	58' - 2 1/2"	10' - 0"	582 SF	
FIRST FLOOR PLAN MEZZANINE	156M	CORRIDOR	498 SF	136' - 3"	10' - 0"	1363 SF	
FIRST FLOOR PLAN MEZZANINE	157M	MECH	397 SF	85' - 3"	10' - 0"	853 SF	
FIRST FLOOR PLAN MEZZANINE	157M	WOMENS	133 SF	47' - 5"	10' - 0"	474 SF	
FIRST FLOOR PLAN MEZZANINE	158M	VEST	26 SF	20' - 8 5/8"	10' - 0"	207 SF	
Grand total: 19			4642 SF	1355' - 7 5/8"		13556 SF	

SPACE SCHEDULE - 011 FIRST FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN MEZZANINE	160M	COR	437 SF	186' - 5 3/8"	10' - 0"	1864 SF	
FIRST FLOOR PLAN MEZZANINE	161M	OFFICE	256 SF	66' - 0 1/2"	10' - 0"	660 SF	
FIRST FLOOR PLAN MEZZANINE	162M	OFFICE	206 SF	65' - 3 1/2"	10' - 0"	653 SF	
FIRST FLOOR PLAN MEZZANINE	163M	OFFICE	324 SF	75' - 7"	10' - 0"	756 SF	
Grand total: 4			1222 SF	393' - 4 3/8"		3934 SF	

SPACE SCHEDULE - 011 FIRST FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN MEZZANINE	180AM	STOR	17 SF	16' - 5"	10' - 0"	164 SF	
FIRST FLOOR PLAN MEZZANINE	180M	OFFICE	879 SF	151' - 0 5/8"	10' - 0"	1511 SF	
FIRST FLOOR PLAN MEZZANINE	181M	BREAK	63 SF	34' - 6"	10' - 0"	345 SF	
FIRST FLOOR PLAN MEZZANINE	182M	WOMENS	90 SF	41' - 3"	10' - 0"	413 SF	
FIRST FLOOR PLAN MEZZANINE	183M	VEST	22 SF	19' - 1 1/8"	10' - 0"	191 SF	
FIRST FLOOR PLAN MEZZANINE	184M	MENS	119 SF	50' - 1"	10' - 0"	501 SF	
FIRST FLOOR PLAN MEZZANINE	185M	COR	52 SF	32' - 0 1/2"	10' - 0"	320 SF	
FIRST FLOOR PLAN MEZZANINE	186M	MECH	402 SF	81' - 2 1/4"	10' - 0"	812 SF	
FIRST FLOOR PLAN MEZZANINE	187M	OPEN OFFICE	550 SF	97' - 2 3/4"	10' - 0"	972 SF	
FIRST FLOOR PLAN MEZZANINE	188M	OFFICE	267 SF	67' - 7 1/2"	10' - 0"	676 SF	
FIRST FLOOR PLAN MEZZANINE	189AM	STOR	22 SF	18' - 3 7/8"	10' - 0"	183 SF	
FIRST FLOOR PLAN MEZZANINE	189M	STORAGE	145 SF	57' - 5 3/4"	10' - 0"	575 SF	
FIRST FLOOR PLAN MEZZANINE	190M	UPPER VESTIBULE	167 SF	52' - 8"	10' - 0"	527 SF	
Grand total: 13			2794 SF	718' - 11 3/8"		7189 SF	

SPACE SCHEDULE - 011 FIRST FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIRST FLOOR PLAN MEZZANINE	A	STAIR	58 SF	40' - 3 1/4"	10' - 0"	403 SF	
FIRST FLOOR PLAN MEZZANINE	B	STAIR	43 SF	29' - 9 7/8"	10' - 0"	298 SF	
FIRST FLOOR PLAN MEZZANINE	C	STAIR	58 SF	39' - 2 1/8"	10' - 0"	392 SF	
FIRST FLOOR PLAN MEZZANINE	D	STAIR	54 SF	37' - 0 3/8"	10' - 0"	370 SF	
FIRST FLOOR PLAN MEZZANINE	E	STAIR	35 SF	25' - 10"	10' - 0"	258 SF	
FIRST FLOOR PLAN MEZZANINE	F	STAIR	41 SF	30' - 8 1/2"	10' - 0"	307 SF	
FIRST FLOOR PLAN MEZZANINE	S101M	STAIR	261 SF	69' - 10"	10' - 0"	698 SF	
FIRST FLOOR PLAN MEZZANINE	S102M	STAIR	259 SF	69' - 0"	10' - 0"	690 SF	
Grand total: 8			808 SF	341' - 8 1/8"		3417 SF	

8' 0 8' 16'

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FIRST FLOOR MEZZ SCHEDULES

A011-S

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QUADRANT 80 - 2005

QUADRANT 20 - 2004

QUADRANT 60 - 2005

QUADRANT 40 - 2004

QUADRANT 00

CONFERENCE 279
BREAK 284
STORAGE 279A
OFFICE 278
OFFICE 276
OPEN OFFICE 270
OFFICE 283
OFFICE 282
COURT ROOM 280
OFFICE 275
OFFICE 274
TOILET 281
STORAGE 206
STORAGE 205
STOR 204
STOR 203
OFFICE 273
COPY 270A
RECEPTION 260
LOBBY 201
MAIN LOBBY 200
STOR 226A
OFFICE 226
OFFICE 227
MECH 228
OFFICE 232
OFFICE 233
OFFICE 234
OFFICE 231
STOR 229A
OFFICE 235
CORRIDOR 225
OFFICE 236
OFFICE 223
OFFICE 224
BREAK 225A
COPY 225B
FILE 225C
CORRIDOR 229
OFFICE 237
CONFERENCE 222
MENS 202
OFFICE 221
CORRIDOR 220
VESTIBULE 202A
OFFICE 230
STOR 240A
OFFICE 238
RECEPTION 240
OFFICE 239
OFFICE 272
STOR 270B
STOR 261A
RECEPTION 261
UP
STAIR S202
DN
UP
STAIR S201
DN
CONFERENCE 241
OFFICE 243
OFFICE 271
OPEN OFFICE 270
OFFICE 264
VEST 252
WOMENS 253
MECH 241A
COPY/BREAK 242
OFFICE 244
OFFICE 269
OFFICE 265
OPEN OFFICE 262
STORAGE 263
MECH 200E
ELEC 200A
MECH 200C
OFFICE 251
OFFICE 250
STOR 249A
OPEN OFFICE 249
OFFICE 245
MECHANICAL 268
STORAGE 200D
STORAGE 200B
TOILET 248B
CORRIDOR 248A
OFFICE 267
OFFICE 266
OFFICE 248
OFFICE 247
OFFICE 246
ROOF

1 / A020 SECOND FLOOR PLAN
1/8" = 1'-0"

N

8' 0 8' 16'

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SECOND FLOOR PLAN

A020

SPACE SCHEDULE - 020 SECOND FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SECOND FLOOR PLAN	200	MAIN LOBBY	1875 SF	311' - 9 1/2"	10' - 0"	3118 SF	
SECOND FLOOR PLAN	200A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
SECOND FLOOR PLAN	200B	STORAGE	30 SF	22' - 11 3/8"	10' - 0"	229 SF	
SECOND FLOOR PLAN	200C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
SECOND FLOOR PLAN	200D	STORAGE	33 SF	23' - 10"	10' - 0"	238 SF	
SECOND FLOOR PLAN	200E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
SECOND FLOOR PLAN	201	LOBBY	730 SF	112' - 8 1/2"	10' - 0"	1127 SF	
SECOND FLOOR PLAN	202	MENS	155 SF	49' - 9 3/4"	10' - 0"	498 SF	
SECOND FLOOR PLAN	202A	VESTIBULE	38 SF	26' - 7 1/2"	10' - 0"	266 SF	
SECOND FLOOR PLAN	203	STOR	15 SF	16' - 1"	10' - 0"	161 SF	
SECOND FLOOR PLAN	204	STOR	12 SF	14' - 1"	10' - 0"	141 SF	
SECOND FLOOR PLAN	205	STORAGE	65 SF	35' - 5"	10' - 0"	354 SF	
SECOND FLOOR PLAN	206	STORAGE	38 SF	26' - 2 1/2"	10' - 0"	262 SF	
Grand total: 13			3034 SF	685' - 7 3/8"		6856 SF	

SPACE SCHEDULE - 020 SECOND FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SECOND FLOOR PLAN	220	CORRIDOR	144 SF	69' - 10 1/4"	10' - 0"	699 SF	
SECOND FLOOR PLAN	221	OFFICE	133 SF	48' - 7 3/4"	10' - 0"	486 SF	
SECOND FLOOR PLAN	222	CONFERENCE	213 SF	65' - 4 1/2"	10' - 0"	654 SF	
SECOND FLOOR PLAN	223	OFFICE	114 SF	42' - 9"	10' - 0"	428 SF	
SECOND FLOOR PLAN	224	OFFICE	111 SF	45' - 6 1/4"	10' - 0"	455 SF	
SECOND FLOOR PLAN	225	CORRIDOR	352 SF	142' - 9 5/8"	10' - 0"	1428 SF	
SECOND FLOOR PLAN	225A	BREAK	38 SF	28' - 6 1/8"	10' - 0"	285 SF	
SECOND FLOOR PLAN	225B	COPY	54 SF	29' - 8 1/8"	10' - 0"	297 SF	
SECOND FLOOR PLAN	225C	FILE	68 SF	38' - 9 3/4"	10' - 0"	388 SF	
SECOND FLOOR PLAN	226	OFFICE	138 SF	47' - 0 3/4"	10' - 0"	471 SF	
SECOND FLOOR PLAN	226A	STOR	24 SF	20' - 7 1/8"	10' - 0"	206 SF	
SECOND FLOOR PLAN	227	OFFICE	148 SF	50' - 5"	10' - 0"	504 SF	
SECOND FLOOR PLAN	228	MECH	165 SF	54' - 4"	10' - 0"	543 SF	
SECOND FLOOR PLAN	229	CORRIDOR	731 SF	172' - 0 1/8"	10' - 0"	1720 SF	
SECOND FLOOR PLAN	229A	STOR	20 SF	18' - 4 7/8"	10' - 0"	184 SF	
SECOND FLOOR PLAN	230	OFFICE	163 SF	54' - 11 1/4"	10' - 0"	549 SF	
SECOND FLOOR PLAN	231	OFFICE	143 SF	50' - 1"	10' - 0"	501 SF	
SECOND FLOOR PLAN	232	OFFICE	160 SF	51' - 6"	10' - 0"	515 SF	
SECOND FLOOR PLAN	233	OFFICE	104 SF	40' - 9"	10' - 0"	408 SF	
SECOND FLOOR PLAN	234	OFFICE	225 SF	60' - 0 7/8"	10' - 0"	601 SF	
SECOND FLOOR PLAN	235	OFFICE	138 SF	50' - 9 1/2"	10' - 0"	508 SF	
SECOND FLOOR PLAN	236	OFFICE	167 SF	53' - 9 1/4"	10' - 0"	538 SF	
SECOND FLOOR PLAN	237	OFFICE	200 SF	57' - 9"	10' - 0"	578 SF	
SECOND FLOOR PLAN	238	OFFICE	182 SF	55' - 7"	10' - 0"	556 SF	
SECOND FLOOR PLAN	239	OFFICE	178 SF	55' - 1 7/8"	10' - 0"	552 SF	
Grand total: 25			4113 SF	1405' - 2"		14052 SF	

SPACE SCHEDULE - 020 SECOND FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SECOND FLOOR PLAN	240	RECEPTION	377 SF	84' - 0 1/8"	10' - 0"	840 SF	
SECOND FLOOR PLAN	240A	STOR	13 SF	14' - 11"	10' - 0"	149 SF	
SECOND FLOOR PLAN	241	CONFERENCE	277 SF	71' - 6 1/2"	10' - 0"	715 SF	
SECOND FLOOR PLAN	241A	MECH	36 SF	41' - 3 3/4"	10' - 0"	413 SF	
SECOND FLOOR PLAN	242	COPY/BREAK	216 SF	78' - 0 1/2"	10' - 0"	780 SF	
SECOND FLOOR PLAN	243	OFFICE	190 SF	56' - 5 1/4"	10' - 0"	564 SF	
SECOND FLOOR PLAN	244	OFFICE	181 SF	55' - 4"	10' - 0"	553 SF	
SECOND FLOOR PLAN	245	OFFICE	262 SF	64' - 9 3/4"	10' - 0"	648 SF	
SECOND FLOOR PLAN	246	OFFICE	286 SF	67' - 8"	10' - 0"	677 SF	
SECOND FLOOR PLAN	247	OFFICE	141 SF	51' - 4"	10' - 0"	513 SF	
SECOND FLOOR PLAN	248	OFFICE	154 SF	50' - 1 1/2"	10' - 0"	501 SF	
SECOND FLOOR PLAN	248A	CORRIDOR	34 SF	24' - 3 5/8"	10' - 0"	243 SF	
SECOND FLOOR PLAN	248B	TOILET	77 SF	47' - 0 3/8"	10' - 0"	470 SF	
SECOND FLOOR PLAN	249	OPEN OFFICE	591 SF	159' - 10 3/4"	10' - 0"	1599 SF	
SECOND FLOOR PLAN	249A	STOR	11 SF	15' - 3 1/2"	10' - 0"	153 SF	
SECOND FLOOR PLAN	250	OFFICE	223 SF	60' - 10 1/2"	10' - 0"	609 SF	
SECOND FLOOR PLAN	251	OFFICE	236 SF	61' - 7 3/4"	10' - 0"	616 SF	
SECOND FLOOR PLAN	252	VEST	59 SF	31' - 2"	10' - 0"	312 SF	
SECOND FLOOR PLAN	253	WOMENS	150 SF	52' - 5"	10' - 0"	524 SF	
Grand total: 19			3514 SF	1088' - 1 7/8"		10882 SF	

SPACE SCHEDULE - 020 SECOND FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SECOND FLOOR PLAN	260	RECEPTION	528 SF	127' - 8 1/2"	10' - 0"	1277 SF	
SECOND FLOOR PLAN	261	RECEPTION	262 SF	71' - 4 1/8"	10' - 0"	713 SF	
SECOND FLOOR PLAN	261A	STOR	15 SF	15' - 7 1/4"	10' - 0"	156 SF	
SECOND FLOOR PLAN	262	OPEN OFFICE	847 SF	134' - 3 3/8"	10' - 0"	1343 SF	
SECOND FLOOR PLAN	263	STORAGE	119 SF	43' - 11"	10' - 0"	439 SF	
SECOND FLOOR PLAN	264	OFFICE	140 SF	47' - 10 1/2"	10' - 0"	479 SF	
SECOND FLOOR PLAN	265	OFFICE	119 SF	44' - 10 1/2"	10' - 0"	449 SF	
SECOND FLOOR PLAN	266	OFFICE	348 SF	76' - 6 1/4"	10' - 0"	765 SF	
SECOND FLOOR PLAN	267	OFFICE	339 SF	78' - 0"	10' - 0"	780 SF	
SECOND FLOOR PLAN	268	MECHANICAL	178 SF	54' - 3 1/4"	10' - 0"	543 SF	
SECOND FLOOR PLAN	269	OFFICE	118 SF	45' - 4 3/4"	10' - 0"	454 SF	
SECOND FLOOR PLAN	270	OPEN OFFICE	1378 SF	343' - 2"	10' - 0"	3432 SF	
SECOND FLOOR PLAN	270A	COPY	120 SF	49' - 7 1/2"	10' - 0"	496 SF	
SECOND FLOOR PLAN	270B	STOR	19 SF	17' - 4"	10' - 0"	173 SF	
SECOND FLOOR PLAN	271	OFFICE	129 SF	45' - 7 3/4"	10' - 0"	456 SF	
SECOND FLOOR PLAN	272	OFFICE	129 SF	45' - 7 1/2"	10' - 0"	456 SF	
SECOND FLOOR PLAN	273	OFFICE	129 SF	45' - 7 3/4"	10' - 0"	456 SF	
SECOND FLOOR PLAN	274	OFFICE	120 SF	44' - 1 3/4"	10' - 0"	441 SF	
SECOND FLOOR PLAN	275	OFFICE	127 SF	45' - 4"	10' - 0"	453 SF	
SECOND FLOOR PLAN	276	OFFICE	129 SF	46' - 7 3/4"	10' - 0"	466 SF	
SECOND FLOOR PLAN	278	OFFICE	131 SF	45' - 9 1/2"	10' - 0"	458 SF	
SECOND FLOOR PLAN	279	CONFERENCE	357 SF	80' - 10"	10' - 0"	808 SF	
Grand total: 22			5780 SF	1549' - 7"		15496 SF	

SPACE SCHEDULE - 020 SECOND FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SECOND FLOOR PLAN	280	COURT ROOM	1589 SF	176' - 0 1/2"	10' - 0"	1760 SF	
SECOND FLOOR PLAN	281	TOILET	40 SF	27' - 0"	10' - 0"	270 SF	
SECOND FLOOR PLAN	282	OFFICE	119 SF	43' - 10"	10' - 0"	438 SF	
SECOND FLOOR PLAN	283	OFFICE	109 SF	43' - 0"	10' - 0"	430 SF	
SECOND FLOOR PLAN	284	BREAK	263 SF	75' - 0 3/8"	10' - 0"	750 SF	
Grand total: 5			2120 SF	364' - 10 7/8"		3649 SF	

SPACE SCHEDULE - 020 SECOND FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SECOND FLOOR PLAN	S201	STAIR	270 SF	73' - 8"	10' - 0"	737 SF	
SECOND FLOOR PLAN	S202	STAIR	271 SF	73' - 6"	10' - 0"	735 SF	
Grand total: 2			541 SF	147' - 2"		1472 SF	

8' 0 8' 16'

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SECOND FLOOR SCHEDULES

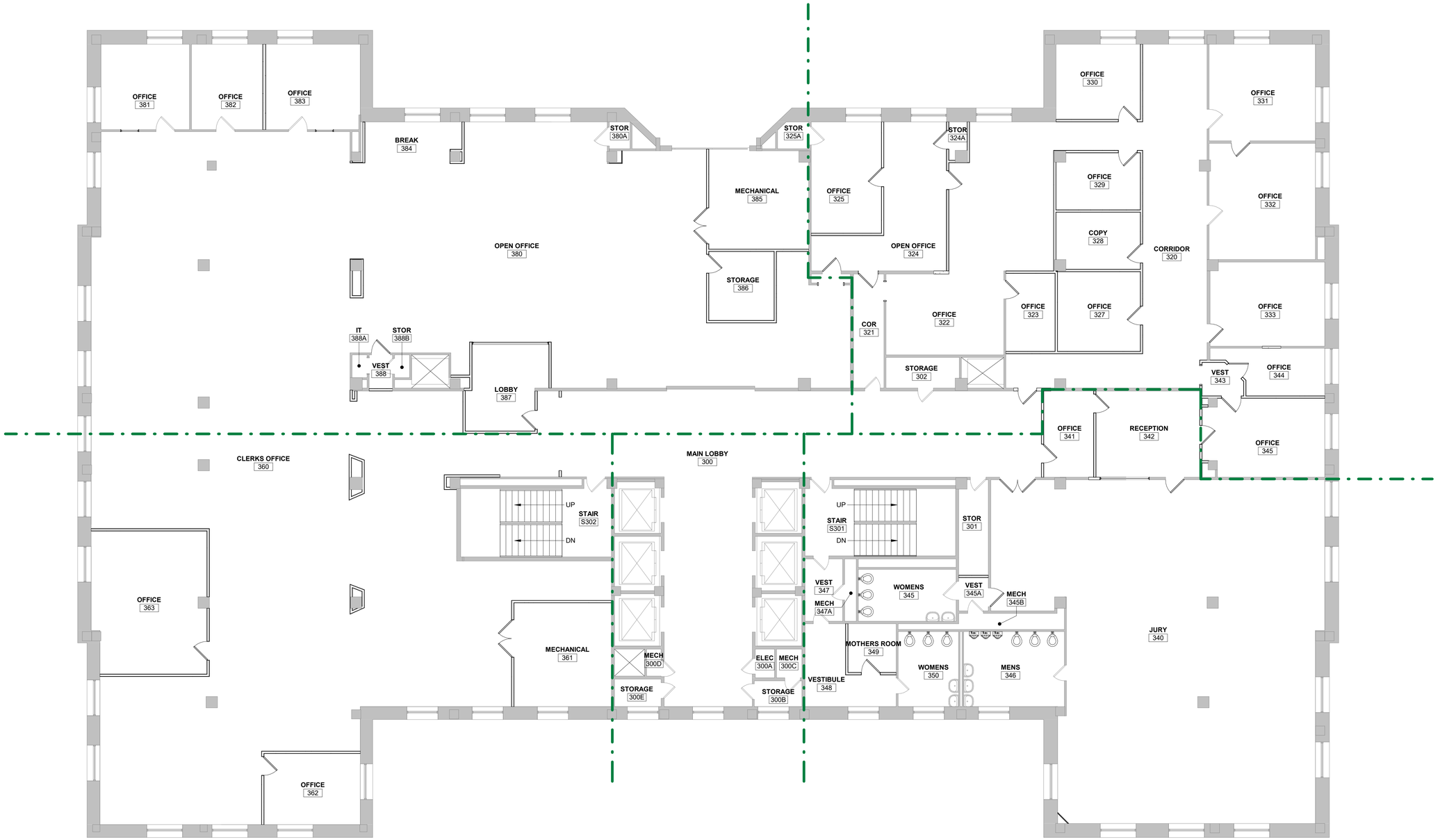
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QUADRANT 80

QUADRANT 20



QUADRANT 60

QUADRANT 00

QUADRANT 40 - 2019

1 / A030 THIRD FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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THIRD FLOOR PLAN

A030

SPACE SCHEDULE - 030 THIRD FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR	300	MAIN LOBBY	1606 SF	257' - 10 3/4"	10' - 0"	2579 SF	
THIRD FLOOR	300A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
THIRD FLOOR	300B	STORAGE	32 SF	23' - 7 3/8"	10' - 0"	236 SF	
THIRD FLOOR	300C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
THIRD FLOOR	300D	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
THIRD FLOOR	300E	STORAGE	33 SF	23' - 10"	10' - 0"	238 SF	
THIRD FLOOR	301	STOR	71 SF	40' - 2 3/4"	10' - 0"	402 SF	
THIRD FLOOR	302	STORAGE	57 SF	33' - 5"	10' - 0"	334 SF	
Grand total: 8			1842 SF	425' - 1 1/8"		4251 SF	

SPACE SCHEDULE - 030 THIRD FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR	320	CORRIDOR	749 SF	209' - 8 1/4"	10' - 0"	2097 SF	
THIRD FLOOR	321	COR	90 SF	46' - 6 1/2"	10' - 0"	465 SF	
THIRD FLOOR	322	OFFICE	634 SF	128' - 11 3/4"	10' - 0"	1290 SF	
THIRD FLOOR	323	OFFICE	99 SF	40' - 11"	10' - 0"	409 SF	
THIRD FLOOR	324	OPEN OFFICE	308 SF	91' - 6 1/4"	10' - 0"	915 SF	
THIRD FLOOR	324A	STOR	15 SF	18' - 2 1/4"	10' - 0"	182 SF	
THIRD FLOOR	325	OFFICE	202 SF	58' - 5"	10' - 0"	584 SF	
THIRD FLOOR	325A	STOR	21 SF	17' - 10 1/2"	10' - 0"	179 SF	
THIRD FLOOR	327	OFFICE	171 SF	52' - 3"	10' - 0"	523 SF	
THIRD FLOOR	328	COPY	122 SF	45' - 5 1/4"	10' - 0"	454 SF	
THIRD FLOOR	329	OFFICE	122 SF	45' - 5 1/4"	10' - 0"	454 SF	
THIRD FLOOR	330	OFFICE	165 SF	52' - 1 1/4"	10' - 0"	521 SF	
THIRD FLOOR	331	OFFICE	266 SF	65' - 4"	10' - 0"	653 SF	
THIRD FLOOR	332	OFFICE	320 SF	71' - 8"	10' - 0"	717 SF	
THIRD FLOOR	333	OFFICE	248 SF	64' - 0"	10' - 0"	640 SF	
Grand total: 15			3532 SF	1008' - 4 1/4"		10084 SF	

SPACE SCHEDULE - 030 THIRD FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR	340	JURY	2521 SF	260' - 9"	10' - 0"	2607 SF	
THIRD FLOOR	341	OFFICE	111 SF	43' - 9"	10' - 0"	438 SF	
THIRD FLOOR	342	RECEPTION	231 SF	61' - 1"	10' - 0"	611 SF	
THIRD FLOOR	343	VEST	31 SF	22' - 3 5/8"	10' - 0"	223 SF	
THIRD FLOOR	344	OFFICE	113 SF	50' - 4"	10' - 0"	503 SF	
THIRD FLOOR	345	WOMENS	131 SF	48' - 2"	10' - 0"	482 SF	
THIRD FLOOR	345	OFFICE	241 SF	64' - 10 1/2"	10' - 0"	649 SF	
THIRD FLOOR	345A	VEST	25 SF	20' - 2"	10' - 0"	202 SF	
THIRD FLOOR	345B	MECH	54 SF	60' - 4"	10' - 0"	603 SF	
THIRD FLOOR	346	MENS	196 SF	56' - 7"	10' - 0"	566 SF	
THIRD FLOOR	347	VEST	61 SF	32' - 1 3/4"	10' - 0"	321 SF	
THIRD FLOOR	347A	MECH	19 SF	23' - 9 1/4"	10' - 0"	238 SF	
THIRD FLOOR	348	VESTIBULE	129 SF	56' - 0"	10' - 0"	560 SF	
THIRD FLOOR	349	MOTHERS ROOM	61 SF	31' - 1 3/4"	10' - 0"	311 SF	
THIRD FLOOR	350	WOMENS	117 SF	43' - 7"	10' - 0"	436 SF	
Grand total: 15			4041 SF	874' - 11 3/4"		8750 SF	

SPACE SCHEDULE - 030 THIRD FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR	360	CLERKS OFFICE	5255 SF	480' - 2"	10' - 0"	4802 SF	
THIRD FLOOR	361	MECHANICAL	262 SF	64' - 9"	10' - 0"	648 SF	
THIRD FLOOR	362	OFFICE	177 SF	53' - 10 1/4"	10' - 0"	539 SF	
THIRD FLOOR	363	OFFICE	416 SF	86' - 6"	10' - 0"	865 SF	
Grand total: 4			6111 SF	685' - 3 1/4"		6853 SF	

SPACE SCHEDULE - 030 THIRD FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR	380	OPEN OFFICE	2380 SF	295' - 0 1/4"	10' - 0"	2950 SF	
THIRD FLOOR	380A	STOR	14 SF	15' - 4 1/8"	10' - 0"	153 SF	
THIRD FLOOR	381	OFFICE	196 SF	56' - 0"	10' - 0"	560 SF	
THIRD FLOOR	382	OFFICE	157 SF	50' - 4 3/4"	10' - 0"	504 SF	
THIRD FLOOR	383	OFFICE	209 SF	57' - 11"	10' - 0"	579 SF	
THIRD FLOOR	384	BREAK	98 SF	45' - 6 7/8"	10' - 0"	456 SF	
THIRD FLOOR	385	MECHANICAL	254 SF	64' - 6 7/8"	10' - 0"	646 SF	
THIRD FLOOR	386	STORAGE	116 SF	43' - 1 1/2"	10' - 0"	431 SF	
THIRD FLOOR	387	LOBBY	164 SF	54' - 9"	10' - 0"	548 SF	
THIRD FLOOR	388	VEST	20 SF	18' - 4 3/4"	10' - 0"	184 SF	
THIRD FLOOR	388A	IT	9 SF	12' - 2"	10' - 0"	122 SF	
THIRD FLOOR	388B	STOR	9 SF	12' - 1 1/2"	10' - 0"	121 SF	
Grand total: 12			3626 SF	725' - 4 5/8"		7254 SF	

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	S301M	STAIR	263 SF	70' - 2"	10' - 0"	702 SF	
THIRD FLOOR - MEZZ	S301M	STAIR	96 SF	40' - 0 1/2"	10' - 0"	400 SF	
THIRD FLOOR - MEZZ	S302M	STAIR	265 SF	69' - 5 1/4"	10' - 0"	694 SF	
THIRD FLOOR - MEZZ	S302M	STAIR	106 SF	42' - 7"	10' - 0"	426 SF	
Grand total: 4			730 SF	222' - 2 3/4"		2222 SF	

8' 0 8' 16'

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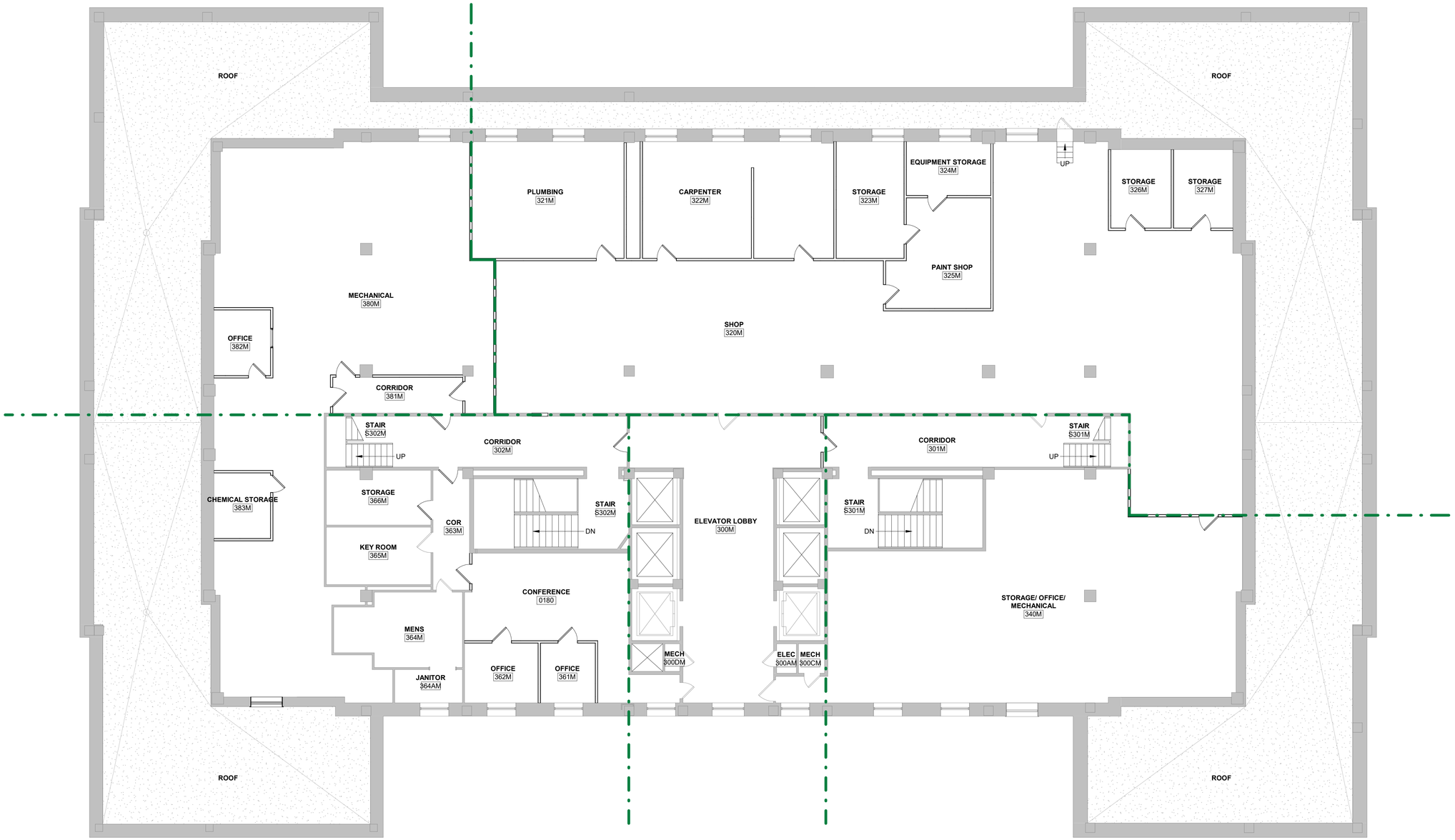
THIRD FLOOR SCHEDULES

A030-S

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QUADRANT 80

QUADRANT 20



QUADRANT 60

QUADRANT 00

QUADRANT 40

1 / A031 THIRD FLOOR PLAN MEZZ
1/8" = 1'-0"

8' 0 8' 16'

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THIRD FLOOR
PLAN MEZZ

A031

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	300AM	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
THIRD FLOOR - MEZZ	300CM	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
THIRD FLOOR - MEZZ	300DM	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
THIRD FLOOR - MEZZ	300M	ELEVATOR LOBBY	764 SF	150' - 1 1/2"	10' - 0"	1501 SF	
THIRD FLOOR - MEZZ	301M	CORRIDOR	292 SF	90' - 11 1/2"	10' - 0"	910 SF	
THIRD FLOOR - MEZZ	302M	CORRIDOR	277 SF	86' - 10 1/4"	10' - 0"	869 SF	
Grand total: 6			1376 SF	374' - 0 1/2"		3740 SF	

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	320M	SHOP	3342 SF	366' - 10 1/2"	10' - 0"	3669 SF	
THIRD FLOOR - MEZZ	321M	PLUMBING	434 SF	84' - 0 1/2"	10' - 0"	840 SF	
THIRD FLOOR - MEZZ	322M	CARPENTER	540 SF	124' - 9"	10' - 0"	1248 SF	
THIRD FLOOR - MEZZ	323M	STORAGE	193 SF	57' - 8 1/2"	10' - 0"	577 SF	
THIRD FLOOR - MEZZ	324M	EQUIPMENT STORAGE	110 SF	43' - 2 1/4"	10' - 0"	432 SF	
THIRD FLOOR - MEZZ	325M	PAINT SHOP	252 SF	67' - 5"	10' - 0"	674 SF	
THIRD FLOOR - MEZZ	326M	STORAGE	116 SF	43' - 4 3/4"	10' - 0"	434 SF	
THIRD FLOOR - MEZZ	327M	STORAGE	114 SF	43' - 1 1/4"	10' - 0"	431 SF	
Grand total: 8			5101 SF	830' - 5 3/4"		8305 SF	

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	340M	STORAGE/ OFFICE/ MECHANICAL	1915 SF	220' - 4 1/2"	10' - 0"	2204 SF	
Grand total: 1			1915 SF	220' - 4 1/2"		2204 SF	

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	361M	OFFICE	80 SF	35' - 9 1/2"	10' - 0"	358 SF	
THIRD FLOOR - MEZZ	362M	OFFICE	108 SF	41' - 8 1/4"	10' - 0"	417 SF	
THIRD FLOOR - MEZZ	363M	COR	106 SF	48' - 11 1/2"	10' - 0"	490 SF	
THIRD FLOOR - MEZZ	364AM	JANITOR	55 SF	31' - 7"	10' - 0"	316 SF	
THIRD FLOOR - MEZZ	364M	MENS	208 SF	63' - 10 1/4"	10' - 0"	639 SF	
THIRD FLOOR - MEZZ	365M	KEY ROOM	147 SF	50' - 9"	10' - 0"	508 SF	
THIRD FLOOR - MEZZ	366M	STORAGE	138 SF	52' - 11"	10' - 0"	529 SF	
Grand total: 7			842 SF	325' - 6 1/2"		3255 SF	

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	380M	MECHANICAL	2261 SF	354' - 3 1/4"	10' - 0"	3543 SF	
THIRD FLOOR - MEZZ	381M	CORRIDOR	113 SF	51' - 9 1/4"	10' - 0"	518 SF	
THIRD FLOOR - MEZZ	382M	OFFICE	91 SF	38' - 2"	10' - 0"	382 SF	
THIRD FLOOR - MEZZ	383M	CHEMICAL STORAGE	91 SF	38' - 2"	10' - 0"	382 SF	
Grand total: 4			2555 SF	482' - 4 1/2"		4824 SF	

SPACE SCHEDULE - 031 THIRD FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRD FLOOR - MEZZ	S301M	STAIR	263 SF	70' - 2"	10' - 0"	702 SF	
THIRD FLOOR - MEZZ	S301M	STAIR	96 SF	40' - 0 1/2"	10' - 0"	400 SF	
THIRD FLOOR - MEZZ	S302M	STAIR	265 SF	69' - 5 1/4"	10' - 0"	694 SF	
THIRD FLOOR - MEZZ	S302M	STAIR	106 SF	42' - 7"	10' - 0"	426 SF	
Grand total: 4			730 SF	222' - 2 3/4"		2222 SF	

8' 0 8' 16'

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THIRD FLOOR MEZZ SCHEDULES

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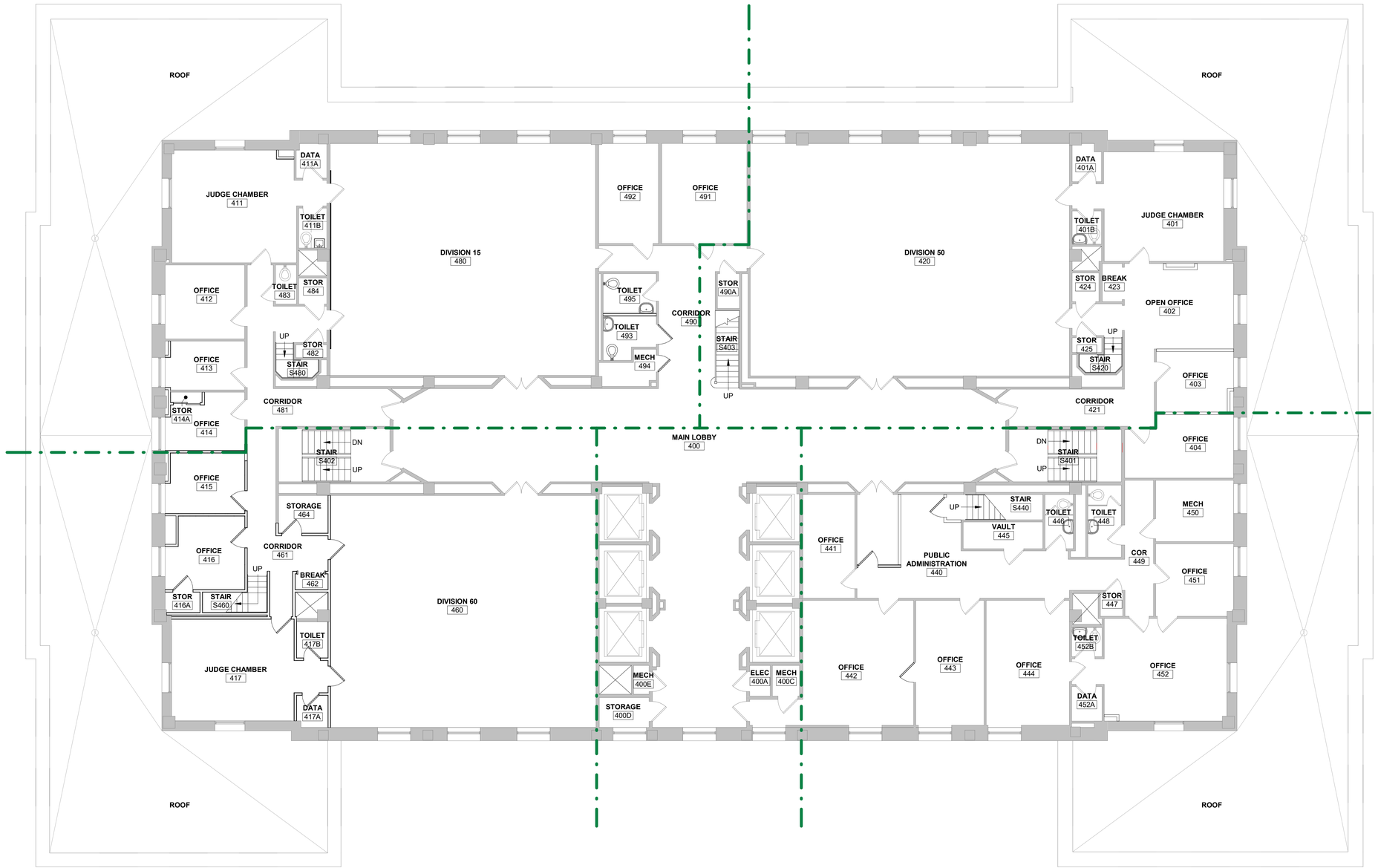
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QUADRANT 80

QUADRANT 20 - 2019



QUADRANT 60

QUADRANT 00

QUADRANT 40 - 2019

1 / A040 FOURTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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FOURTH FLOOR

A040

SPACE SCHEDULE - 040 FOURTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH FLOOR	400	MAIN LOBBY	1803 SF	295' - 10 3/8"	10' - 0"	2959 SF	
FOURTH FLOOR	400A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
FOURTH FLOOR	400C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
FOURTH FLOOR	400D	STORAGE	34 SF	24' - 0"	10' - 0"	240 SF	
FOURTH FLOOR	400E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
FOURTH FLOOR	401	JUDGE CHAMBER	316 SF	78' - 8"	10' - 0"	787 SF	
FOURTH FLOOR	401A	DATA	25 SF	20' - 4"	10' - 0"	203 SF	
FOURTH FLOOR	401B	TOILET	22 SF	18' - 10"	10' - 0"	188 SF	
FOURTH FLOOR	402	OPEN OFFICE	272 SF	90' - 0 1/8"	10' - 0"	900 SF	
FOURTH FLOOR	403	OFFICE	102 SF	41' - 5 1/2"	10' - 0"	415 SF	
FOURTH FLOOR	404	OFFICE	146 SF	52' - 0 1/4"	10' - 0"	520 SF	
FOURTH FLOOR	411	JUDGE CHAMBER	331 SF	80' - 8"	10' - 0"	807 SF	
FOURTH FLOOR	411A	DATA	23 SF	19' - 7 3/4"	10' - 0"	196 SF	
FOURTH FLOOR	411B	TOILET	26 SF	20' - 6 1/4"	10' - 0"	205 SF	
FOURTH FLOOR	412	OFFICE	133 SF	46' - 2 3/4"	10' - 0"	462 SF	
FOURTH FLOOR	413	OFFICE	86 SF	38' - 6 3/8"	10' - 0"	385 SF	
FOURTH FLOOR	414	OFFICE	92 SF	41' - 5 3/4"	10' - 0"	415 SF	
FOURTH FLOOR	414A	STOR	7 SF	12' - 6 1/4"	10' - 0"	125 SF	
FOURTH FLOOR	415	OFFICE	105 SF	42' - 1 3/4"	10' - 0"	421 SF	
FOURTH FLOOR	416	OFFICE	123 SF	46' - 1"	10' - 0"	461 SF	
FOURTH FLOOR	416A	STOR	16 SF	16' - 6 3/4"	10' - 0"	166 SF	
FOURTH FLOOR	417	JUDGE CHAMBER	307 SF	77' - 8 3/4"	10' - 0"	777 SF	
FOURTH FLOOR	417A	DATA	23 SF	19' - 1"	10' - 0"	191 SF	
FOURTH FLOOR	417B	TOILET	26 SF	20' - 3 1/2"	10' - 0"	203 SF	
Grand total: 24			4060 SF	1148' - 9 1/4"		11488 SF	

SPACE SCHEDULE - 040 FOURTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH FLOOR	420	DIVISION 50	1683 SF	167' - 4 3/4"	10' - 0"	1674 SF	
FOURTH FLOOR	421	CORRIDOR	127 SF	56' - 6 3/8"	10' - 0"	565 SF	
FOURTH FLOOR	423	BREAK	18 SF	17' - 10"	10' - 0"	178 SF	
FOURTH FLOOR	424	STOR	18 SF	16' - 9"	10' - 0"	168 SF	
FOURTH FLOOR	425	STOR	10 SF	13' - 3 7/8"	10' - 0"	133 SF	
Grand total: 5			1856 SF	271' - 10 1/8"		2718 SF	

SPACE SCHEDULE - 040 FOURTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH FLOOR	440	PUBLIC ADMINISTRATION	388 SF	111' - 5 5/8"	10' - 0"	1115 SF	
FOURTH FLOOR	441	OFFICE	122 SF	46' - 11"	10' - 0"	469 SF	
FOURTH FLOOR	442	OFFICE	349 SF	86' - 10 1/4"	10' - 0"	869 SF	
FOURTH FLOOR	443	OFFICE	196 SF	68' - 7 5/8"	10' - 0"	686 SF	
FOURTH FLOOR	444	OFFICE	238 SF	63' - 4 1/4"	10' - 0"	634 SF	
FOURTH FLOOR	445	VAULT	48 SF	32' - 0 1/2"	10' - 0"	320 SF	
FOURTH FLOOR	446	TOILET	35 SF	24' - 10"	10' - 0"	248 SF	
FOURTH FLOOR	447	STOR	12 SF	13' - 11"	10' - 0"	139 SF	
FOURTH FLOOR	448	TOILET	55 SF	31' - 9 1/2"	10' - 0"	318 SF	
FOURTH FLOOR	449	COR	90 SF	50' - 1"	10' - 0"	501 SF	
FOURTH FLOOR	450	MECH	108 SF	41' - 11 1/2"	10' - 0"	420 SF	
FOURTH FLOOR	451	OFFICE	128 SF	44' - 11 1/4"	10' - 0"	449 SF	
FOURTH FLOOR	452	OFFICE	302 SF	77' - 9"	10' - 0"	778 SF	
FOURTH FLOOR	452A	DATA	24 SF	19' - 7"	10' - 0"	196 SF	
FOURTH FLOOR	452B	TOILET	20 SF	17' - 11"	10' - 0"	179 SF	
Grand total: 15			2115 SF	732' - 0 3/8"		7320 SF	

SPACE SCHEDULE - 040 FOURTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH FLOOR	460	DIVISION 60	1399 SF	149' - 0 3/4"	10' - 0"	1491 SF	
FOURTH FLOOR	461	CORRIDOR	161 SF	83' - 1 1/2"	10' - 0"	831 SF	
FOURTH FLOOR	462	BREAK	12 SF	14' - 6 1/2"	10' - 0"	145 SF	
FOURTH FLOOR	464	STORAGE	42 SF	26' - 3"	10' - 0"	263 SF	
Grand total: 4			1614 SF	272' - 11 3/4"		2730 SF	

SPACE SCHEDULE - 040 FOURTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH FLOOR	480	DIVISION 15	1393 SF	150' - 4 3/4"	10' - 0"	1504 SF	
FOURTH FLOOR	481	CORRIDOR	242 SF	112' - 1 3/4"	10' - 0"	1121 SF	
FOURTH FLOOR	482	STOR	9 SF	13' - 2 3/4"	10' - 0"	132 SF	
FOURTH FLOOR	483	TOILET	19 SF	18' - 1"	10' - 0"	181 SF	
FOURTH FLOOR	484	STOR	17 SF	16' - 4"	10' - 0"	163 SF	
FOURTH FLOOR	490	CORRIDOR	246 SF	105' - 8 3/8"	10' - 0"	1057 SF	
FOURTH FLOOR	490A	STOR	17 SF	17' - 1 1/2"	10' - 0"	171 SF	
FOURTH FLOOR	491	OFFICE	193 SF	55' - 9 1/2"	10' - 0"	558 SF	
FOURTH FLOOR	492	OFFICE	135 SF	48' - 1 1/4"	10' - 0"	481 SF	
FOURTH FLOOR	493	TOILET	46 SF	29' - 4"	10' - 0"	293 SF	
FOURTH FLOOR	494	MECH	36 SF	28' - 6 1/2"	10' - 0"	285 SF	
FOURTH FLOOR	495	TOILET	48 SF	27' - 11 1/4"	10' - 0"	279 SF	
Grand total: 12			2401 SF	622' - 8 5/8"		6227 SF	

SPACE SCHEDULE - 040 FOURTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH FLOOR	S401	STAIR	137 SF	50' - 8 3/4"	10' - 0"	507 SF	
FOURTH FLOOR	S402	STAIR	138 SF	50' - 8 3/4"	10' - 0"	507 SF	
FOURTH FLOOR	S403	STAIR	27 SF	26' - 7"	10' - 0"	266 SF	
FOURTH FLOOR	S420	STAIR	25 SF	23' - 1"	10' - 0"	231 SF	
FOURTH FLOOR	S440	STAIR	55 SF	36' - 7 3/4"	10' - 0"	366 SF	
FOURTH FLOOR	S460	STAIR	37 SF	30' - 4 3/4"	10' - 0"	304 SF	
FOURTH FLOOR	S480	STAIR	24 SF	22' - 7"	10' - 0"	226 SF	
Grand total: 7			443 SF	240' - 8 7/8"		2407 SF	

8' 0 8' 16'

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FOURTH FLOOR SCHEDULES

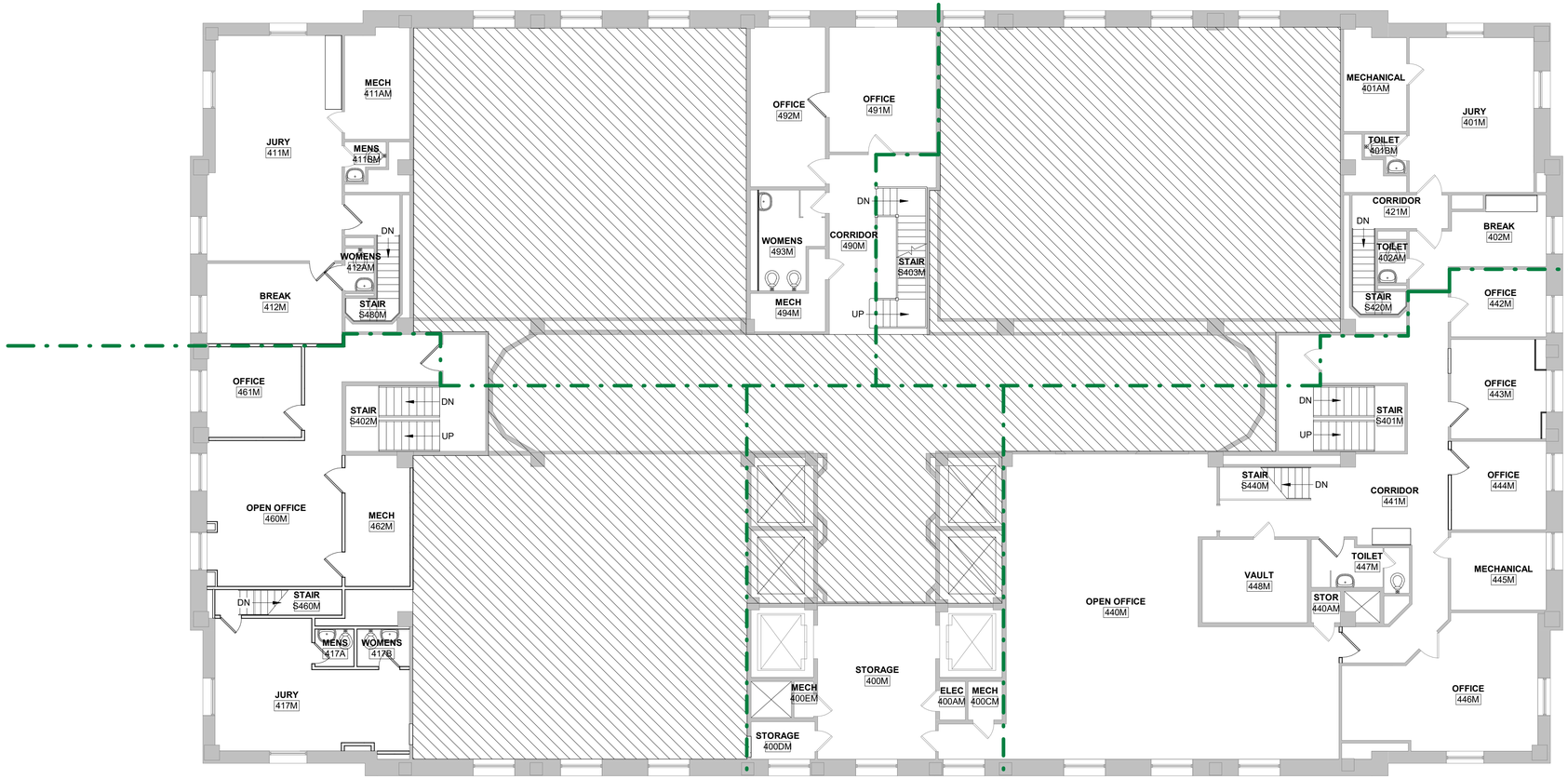
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QUADRANT 80

QUADRANT 20 - 2019



QUADRANT 60

QUADRANT 00

QUADRANT 40 - 2019

1 A041 FOURTH PLAN MEZZ
1/8" = 1'-0"

8' 0 8' 16'

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FOURTH FLOOR PLAN MEZZ

A041

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SPACE SCHEDULE - 041 FOURTH FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH MEZZ	400AM	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
FOURTH MEZZ	400CM	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
FOURTH MEZZ	400DM	STORAGE	35 SF	24' - 4"	10' - 0"	243 SF	
FOURTH MEZZ	400EM	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
FOURTH MEZZ	400M	STORAGE	262 SF	65' - 2 1/2"	10' - 0"	652 SF	
FOURTH MEZZ	401AM	MECHANICAL	89 SF	40' - 1 5/8"	10' - 0"	401 SF	
FOURTH MEZZ	401BM	TOILET	19 SF	19' - 5 1/2"	10' - 0"	195 SF	
FOURTH MEZZ	401M	JURY	278 SF	67' - 1 1/2"	10' - 0"	671 SF	
FOURTH MEZZ	402AM	TOILET	17 SF	16' - 9"	10' - 0"	168 SF	
FOURTH MEZZ	402M	BREAK	124 SF	55' - 5 3/4"	10' - 0"	555 SF	
FOURTH MEZZ	411AM	MECH	101 SF	42' - 6 3/4"	10' - 0"	426 SF	
FOURTH MEZZ	411BM	MENS	19 SF	19' - 5 1/2"	10' - 0"	195 SF	
FOURTH MEZZ	411M	JURY	422 SF	86' - 6 3/4"	10' - 0"	866 SF	
FOURTH MEZZ	412AM	WOMENS	18 SF	17' - 2"	10' - 0"	172 SF	
FOURTH MEZZ	412M	BREAK	156 SF	51' - 8"	10' - 0"	517 SF	
FOURTH MEZZ	417A	MENS	21 SF	18' - 3"	10' - 0"	183 SF	
FOURTH MEZZ	417B	WOMENS	28 SF	21' - 6"	10' - 0"	215 SF	
FOURTH MEZZ	417M	JURY	295 SF	80' - 7"	10' - 0"	806 SF	
Grand total: 18			1927 SF	672' - 4 1/8"		6723 SF	

SPACE SCHEDULE - 041 FOURTH FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH MEZZ	421M	CORRIDOR	47 SF	31' - 5 3/4"	10' - 0"	315 SF	
Grand total: 1			47 SF	31' - 5 3/4"		315 SF	

SPACE SCHEDULE - 041 FOURTH FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH MEZZ	440AM	STOR	13 SF	14' - 5 1/2"	10' - 0"	145 SF	
FOURTH MEZZ	440M	OPEN OFFICE	1171 SF	172' - 7"	10' - 0"	1726 SF	
FOURTH MEZZ	441M	CORRIDOR	456 SF	176' - 11 1/4"	10' - 0"	1769 SF	
FOURTH MEZZ	442M	OFFICE	93 SF	39' - 1 1/2"	10' - 0"	391 SF	
FOURTH MEZZ	443M	OFFICE	129 SF	46' - 9"	10' - 0"	468 SF	
FOURTH MEZZ	444M	OFFICE	121 SF	44' - 0 1/4"	10' - 0"	440 SF	
FOURTH MEZZ	445M	MECHANICAL	107 SF	41' - 6 1/2"	10' - 0"	415 SF	
FOURTH MEZZ	446M	OFFICE	312 SF	78' - 10 5/8"	10' - 0"	789 SF	
FOURTH MEZZ	447M	TOILET	63 SF	40' - 5 1/2"	10' - 0"	405 SF	
FOURTH MEZZ	448M	VAULT	126 SF	45' - 3"	10' - 0"	452 SF	
Grand total: 10			2592 SF	700' - 0 1/8"		7000 SF	

SPACE SCHEDULE - 041 FOURTH FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH MEZZ	460M	OPEN OFFICE	396 SF	118' - 9 3/4"	10' - 0"	1188 SF	
FOURTH MEZZ	461M	OFFICE	123 SF	44' - 5"	10' - 0"	444 SF	
FOURTH MEZZ	462M	MECH	120 SF	47' - 0 1/2"	10' - 0"	470 SF	
Grand total: 3			638 SF	210' - 3 1/4"		2103 SF	

SPACE SCHEDULE - 041 FOURTH FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTH MEZZ	490M	CORRIDOR	223 SF	79' - 3 5/8"	10' - 0"	793 SF	
FOURTH MEZZ	491M	OFFICE	193 SF	55' - 8"	10' - 0"	557 SF	
FOURTH MEZZ	492M	OFFICE	172 SF	56' - 3 3/4"	10' - 0"	563 SF	
FOURTH MEZZ	493M	WOMENS	84 SF	40' - 2"	10' - 0"	402 SF	
FOURTH MEZZ	494M	MECH	51 SF	37' - 10 1/4"	10' - 0"	379 SF	
Grand total: 5			724 SF	269' - 3 5/8"		2693 SF	

SPACE SCHEDULE - 050 FIFTH FLOOR QUAD STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH FLOOR	S501	STAIR	139 SF	51' - 2"	10' - 0"	512 SF	
FIFTH FLOOR	S502	STAIR	141 SF	51' - 4 1/4"	10' - 0"	514 SF	
FIFTH FLOOR	S503	STAIR	98 SF	44' - 2"	10' - 0"	442 SF	
FIFTH FLOOR	S520	STAIR	63 SF	42' - 8 3/4"	10' - 0"	427 SF	
FIFTH FLOOR	S540	STAIR	62 SF	44' - 1 1/2"	10' - 0"	441 SF	
FIFTH FLOOR	S560	STAIR	55 SF	41' - 3"	10' - 0"	412 SF	
FIFTH FLOOR	S580	STAIR	24 SF	22' - 4 3/4"	10' - 0"	224 SF	
Grand total: 7			582 SF	297' - 2"		2972 SF	

8' 0 8' 16'

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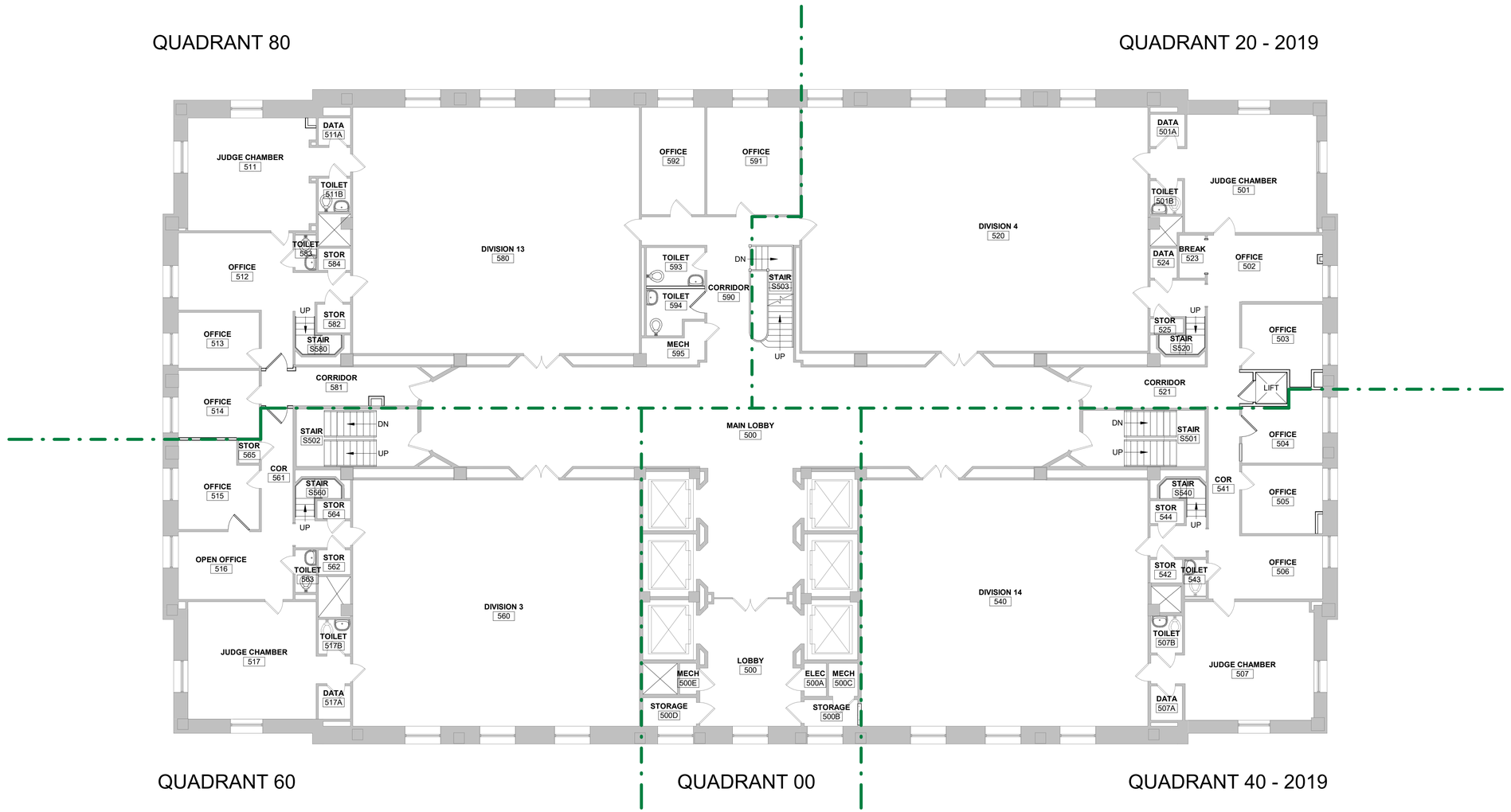
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FOURTH FLOOR MEZZ - SCHEDULES

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1 / A050 FIFTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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FIFTH FLOOR PLAN

A050

SPACE SCHEDULE - 050 FIFTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH FLOOR	500	MAIN LOBBY	1543 SF	248' - 0 1/2"	10' - 0"	2480 SF	
FIFTH FLOOR	500	LOBBY	242 SF	66' - 0 5/8"	10' - 0"	660 SF	
FIFTH FLOOR	500A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
FIFTH FLOOR	500B	STORAGE	28 SF	22' - 5 3/8"	10' - 0"	224 SF	
FIFTH FLOOR	500C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
FIFTH FLOOR	500D	STORAGE	30 SF	23' - 0"	10' - 0"	230 SF	
FIFTH FLOOR	500E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
FIFTH FLOOR	501	JUDGE CHAMBER	326 SF	79' - 11"	10' - 0"	799 SF	
FIFTH FLOOR	501A	DATA	22 SF	18' - 8"	10' - 0"	187 SF	
FIFTH FLOOR	501B	TOILET	21 SF	18' - 4"	10' - 0"	183 SF	
FIFTH FLOOR	502	OFFICE	149 SF	52' - 6"	10' - 0"	525 SF	
FIFTH FLOOR	503	OFFICE	111 SF	45' - 10 5/8"	10' - 0"	459 SF	
FIFTH FLOOR	504	OFFICE	101 SF	43' - 0 5/8"	10' - 0"	431 SF	
FIFTH FLOOR	505	OFFICE	105 SF	41' - 10"	10' - 0"	418 SF	
FIFTH FLOOR	506	OFFICE	103 SF	40' - 11 5/8"	10' - 0"	410 SF	
FIFTH FLOOR	507	JUDGE CHAMBER	320 SF	79' - 2"	10' - 0"	792 SF	
FIFTH FLOOR	507A	DATA	21 SF	18' - 5 1/2"	10' - 0"	185 SF	
FIFTH FLOOR	507B	TOILET	23 SF	19' - 2 1/2"	10' - 0"	192 SF	
FIFTH FLOOR	511	JUDGE CHAMBER	300 SF	83' - 11"	10' - 0"	839 SF	
FIFTH FLOOR	511A	DATA	17 SF	16' - 8"	10' - 0"	167 SF	
FIFTH FLOOR	511B	TOILET	21 SF	18' - 4"	10' - 0"	183 SF	
FIFTH FLOOR	512	OFFICE	250 SF	88' - 0 1/2"	10' - 0"	880 SF	
FIFTH FLOOR	513	OFFICE	89 SF	38' - 4"	10' - 0"	383 SF	
FIFTH FLOOR	514	OFFICE	107 SF	41' - 7"	10' - 0"	416 SF	
FIFTH FLOOR	515	OFFICE	131 SF	47' - 9 1/4"	10' - 0"	478 SF	
FIFTH FLOOR	516	OPEN OFFICE	111 SF	42' - 3 5/8"	10' - 0"	423 SF	
FIFTH FLOOR	517	JUDGE CHAMBER	316 SF	78' - 8"	10' - 0"	787 SF	
FIFTH FLOOR	517A	DATA	21 SF	18' - 4"	10' - 0"	183 SF	
FIFTH FLOOR	517B	TOILET	22 SF	18' - 8"	10' - 0"	187 SF	
Grand total: 29			4572 SF	1356' - 2 7/8"		13562 SF	

SPACE SCHEDULE - 050 FIFTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH FLOOR	520	DIVISION 4	1665 SF	164' - 10 1/4"	10' - 0"	1649 SF	
FIFTH FLOOR	521	CORRIDOR	181 SF	78' - 11 1/8"	10' - 0"	789 SF	
FIFTH FLOOR	523	BREAK	22 SF	19' - 2 3/4"	10' - 0"	192 SF	
FIFTH FLOOR	524	DATA	16 SF	15' - 9 3/4"	10' - 0"	158 SF	
FIFTH FLOOR	525	STOR	9 SF	13' - 2"	10' - 0"	132 SF	
Grand total: 5			1892 SF	291' - 11 7/8"		2920 SF	

SPACE SCHEDULE - 050 FIFTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH FLOOR	540	DIVISION 14	1393 SF	149' - 8 1/2"	10' - 0"	1497 SF	
FIFTH FLOOR	541	COR	117 SF	62' - 4 1/4"	10' - 0"	624 SF	
FIFTH FLOOR	542	STOR	15 SF	15' - 6"	10' - 0"	155 SF	
FIFTH FLOOR	543	TOILET	15 SF	16' - 2 1/2"	10' - 0"	162 SF	
FIFTH FLOOR	544	STOR	15 SF	15' - 10 3/4"	10' - 0"	159 SF	
Grand total: 5			1555 SF	259' - 8"		2597 SF	

SPACE SCHEDULE - 050 FIFTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH FLOOR	560	DIVISION 3	1393 SF	149' - 8 1/2"	10' - 0"	1497 SF	
FIFTH FLOOR	561	COR	118 SF	62' - 5 3/4"	10' - 0"	625 SF	
FIFTH FLOOR	562	STOR	15 SF	15' - 10 1/2"	10' - 0"	159 SF	
FIFTH FLOOR	563	TOILET	17 SF	17' - 8 1/2"	10' - 0"	177 SF	
FIFTH FLOOR	564	STOR	12 SF	14' - 4 1/4"	10' - 0"	144 SF	
FIFTH FLOOR	565	STOR	9 SF	12' - 2"	10' - 0"	122 SF	
Grand total: 6			1566 SF	272' - 3 1/2"		2723 SF	

SPACE SCHEDULE - 050 FIFTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH FLOOR	580	DIVISION 13	1393 SF	149' - 7 1/4"	10' - 0"	1496 SF	
FIFTH FLOOR	581	CORRIDOR	118 SF	58' - 8 3/8"	10' - 0"	587 SF	
FIFTH FLOOR	582	STOR	19 SF	17' - 3 3/4"	10' - 0"	173 SF	
FIFTH FLOOR	583	TOILET	14 SF	15' - 8"	10' - 0"	157 SF	
FIFTH FLOOR	584	STOR	14 SF	15' - 2"	10' - 0"	152 SF	
FIFTH FLOOR	590	CORRIDOR	198 SF	86' - 2"	10' - 0"	862 SF	
FIFTH FLOOR	591	OFFICE	196 SF	56' - 2"	10' - 0"	562 SF	
FIFTH FLOOR	592	OFFICE	134 SF	47' - 10 1/2"	10' - 0"	479 SF	
FIFTH FLOOR	593	TOILET	44 SF	27' - 1 1/4"	10' - 0"	271 SF	
FIFTH FLOOR	594	TOILET	46 SF	29' - 6"	10' - 0"	295 SF	
FIFTH FLOOR	595	MECH	38 SF	29' - 10 1/4"	10' - 0"	299 SF	
Grand total: 11			2213 SF	533' - 1 3/8"		5331 SF	

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH MEZZ	S501M	STAIR	165 SF	60' - 7 1/2"	10' - 0"	606 SF	
FIFTH MEZZ	S502M	STAIR	164 SF	60' - 5 1/2"	10' - 0"	605 SF	
FIFTH MEZZ	S503M	STAIR	102 SF	44' - 10 5/8"	10' - 0"	449 SF	
FIFTH MEZZ	S520M	STAIR	68 SF	49' - 4 1/4"	10' - 0"	493 SF	
FIFTH MEZZ	S540M	STAIR	66 SF	48' - 8 1/4"	10' - 0"	487 SF	
FIFTH MEZZ	S560M	STAIR	69 SF	49' - 8 1/2"	10' - 0"	497 SF	
FIFTH MEZZ	S580M	STAIR	68 SF	49' - 4 1/4"	10' - 0"	493 SF	
Grand total: 7			701 SF	363' - 0 5/8"		3631 SF	

8' 0 8' 16'

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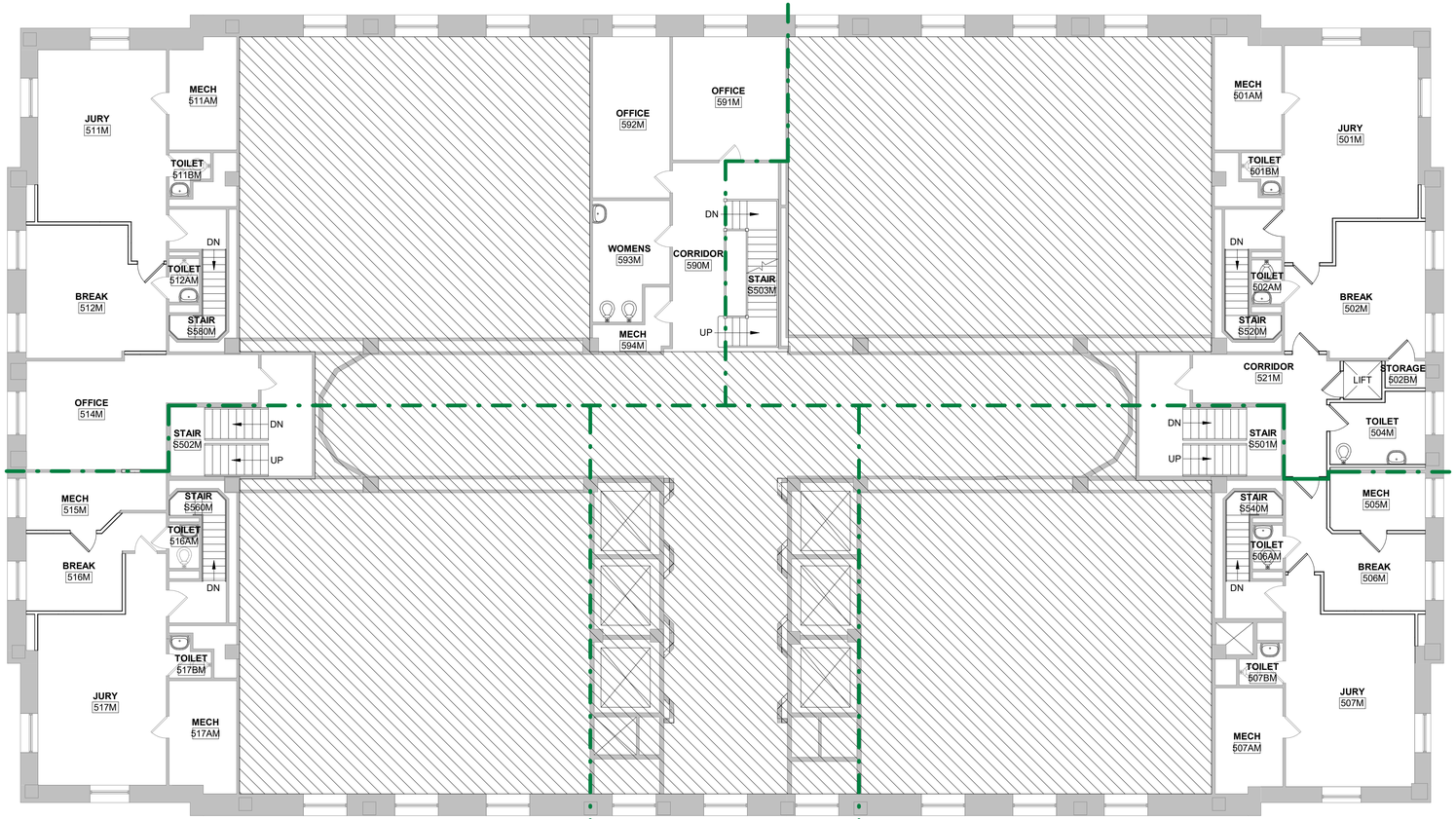
FIFTH FLOOR SCHEDULES

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QUADRANT 80

QUADRANT 20 - 2019



QUADRANT 60

QUADRANT 00

QUADRANT 40 - 2019

1 A051 FIFTH FLOOR MEZZ
1/8" = 1'-0"

8' 0 8' 16'

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FIFTH FLOOR PLAN MEZZ

A051

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH MEZZ	501AM	MECH	97 SF	41' - 5"	10' - 0"	414 SF	
FIFTH MEZZ	501BM	TOILET	18 SF	18' - 11"	10' - 0"	189 SF	
FIFTH MEZZ	501M	JURY	332 SF	80' - 6 1/2"	10' - 0"	805 SF	
FIFTH MEZZ	502AM	TOILET	17 SF	16' - 11 3/4"	10' - 0"	170 SF	
FIFTH MEZZ	502BM	STORAGE	14 SF	15' - 2 1/4"	10' - 0"	152 SF	
FIFTH MEZZ	502M	BREAK	219 SF	63' - 8 3/4"	10' - 0"	637 SF	
FIFTH MEZZ	504M	TOILET	84 SF	38' - 7 1/2"	10' - 0"	386 SF	
FIFTH MEZZ	505M	MECH	72 SF	34' - 9 1/8"	10' - 0"	348 SF	
FIFTH MEZZ	506AM	TOILET	17 SF	16' - 11"	10' - 0"	169 SF	
FIFTH MEZZ	506M	BREAK	151 SF	61' - 9 1/4"	10' - 0"	618 SF	
FIFTH MEZZ	507AM	MECH	91 SF	39' - 10"	10' - 0"	398 SF	
FIFTH MEZZ	507BM	TOILET	20 SF	19' - 8"	10' - 0"	197 SF	
FIFTH MEZZ	507M	JURY	312 SF	78' - 3 1/4"	10' - 0"	783 SF	
FIFTH MEZZ	511AM	MECH	95 SF	41' - 6"	10' - 0"	415 SF	
FIFTH MEZZ	511BM	TOILET	19 SF	19' - 6"	10' - 0"	195 SF	
FIFTH MEZZ	511M	JURY	309 SF	78' - 0"	10' - 0"	780 SF	
FIFTH MEZZ	512AM	TOILET	17 SF	16' - 11"	10' - 0"	169 SF	
FIFTH MEZZ	512M	BREAK	222 SF	62' - 8 3/4"	10' - 0"	627 SF	
FIFTH MEZZ	514M	OFFICE	262 SF	79' - 9"	10' - 0"	798 SF	
FIFTH MEZZ	515M	MECH	92 SF	44' - 0 7/8"	10' - 0"	441 SF	
FIFTH MEZZ	516AM	TOILET	17 SF	16' - 11"	10' - 0"	169 SF	
FIFTH MEZZ	516M	BREAK	122 SF	53' - 3 1/8"	10' - 0"	533 SF	
FIFTH MEZZ	517AM	MECH	97 SF	41' - 6"	10' - 0"	415 SF	
FIFTH MEZZ	517BM	TOILET	19 SF	19' - 4"	10' - 0"	193 SF	
FIFTH MEZZ	517M	JURY	322 SF	82' - 8 1/2"	10' - 0"	827 SF	
Grand total: 25			3040 SF	1082' - 9 5/8"		10828 SF	

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH MEZZ	521M	CORRIDOR	132 SF	61' - 10 1/8"	10' - 0"	618 SF	
Grand total: 1			132 SF	61' - 10 1/8"		618 SF	

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH MEZZ	590M	CORRIDOR	161 SF	67' - 6 1/8"	10' - 0"	675 SF	
FIFTH MEZZ	591M	OFFICE	184 SF	54' - 4"	10' - 0"	543 SF	
FIFTH MEZZ	592M	OFFICE	164 SF	54' - 8 1/2"	10' - 0"	547 SF	
FIFTH MEZZ	593M	WOMENS	110 SF	45' - 7"	10' - 0"	456 SF	
FIFTH MEZZ	594M	MECH	38 SF	32' - 6 1/4"	10' - 0"	325 SF	
Grand total: 5			657 SF	254' - 7 7/8"		2547 SF	

SPACE SCHEDULE - 051 FIFTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FIFTH MEZZ	S501M	STAIR	165 SF	60' - 7 1/2"	10' - 0"	606 SF	
FIFTH MEZZ	S502M	STAIR	164 SF	60' - 5 1/2"	10' - 0"	605 SF	
FIFTH MEZZ	S503M	STAIR	102 SF	44' - 10 5/8"	10' - 0"	449 SF	
FIFTH MEZZ	S520M	STAIR	68 SF	49' - 4 1/4"	10' - 0"	493 SF	
FIFTH MEZZ	S540M	STAIR	66 SF	48' - 8 1/4"	10' - 0"	487 SF	
FIFTH MEZZ	S560M	STAIR	69 SF	49' - 8 1/2"	10' - 0"	497 SF	
FIFTH MEZZ	S580M	STAIR	68 SF	49' - 4 1/4"	10' - 0"	493 SF	
Grand total: 7			701 SF	363' - 0 5/8"		3631 SF	

8' 0 8' 16'

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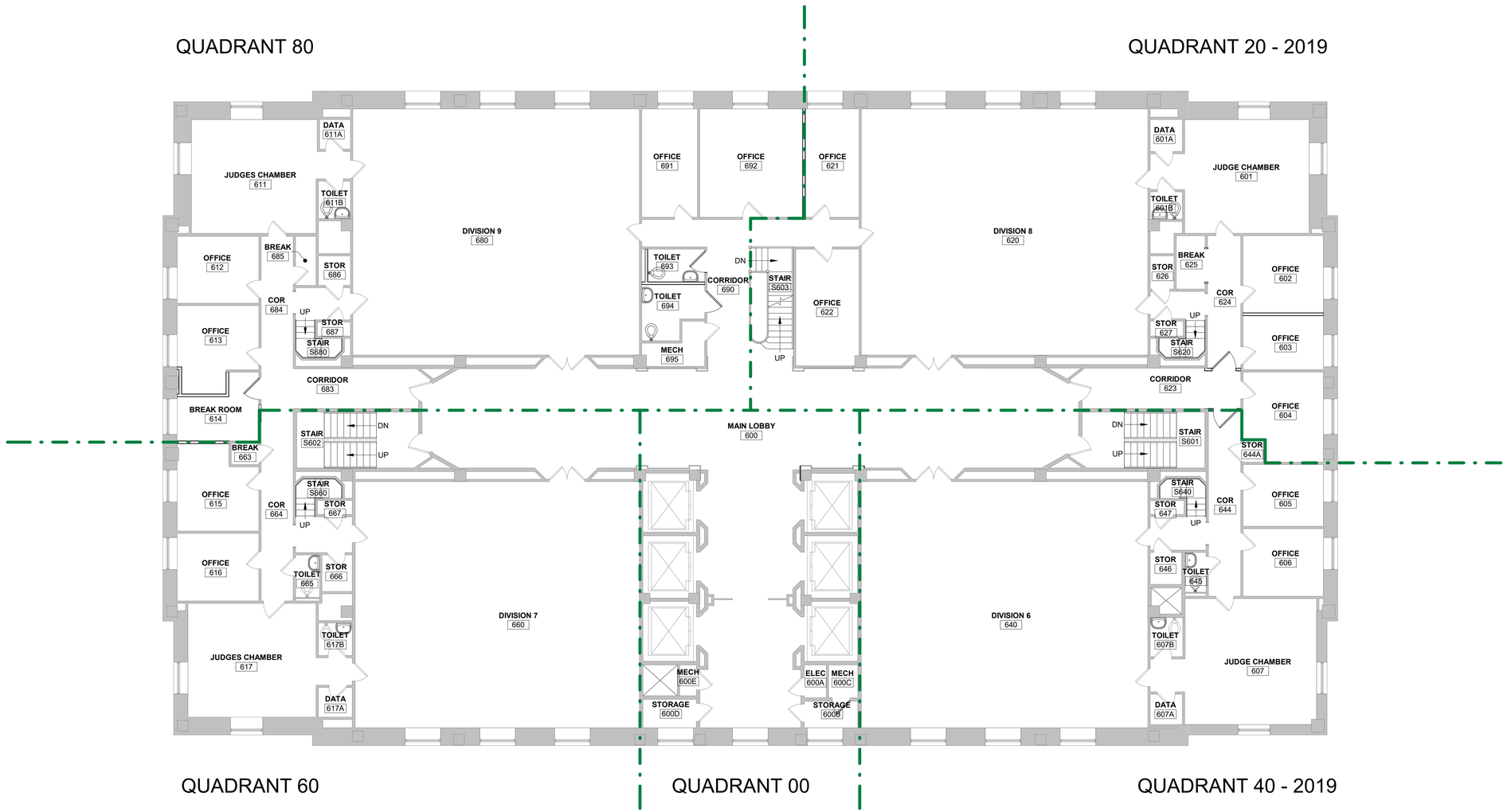
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FIFTH FLOOR MEZZ SCHEDULES

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1 A060 SIXTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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SIXTH FLOOR PLAN

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SPACE SCHEDULE - 060 SIXTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR	600	MAIN LOBBY	1775 SF	309' - 2 1/4"	10' - 0"	3092 SF	
SIXTH FLOOR	600A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
SIXTH FLOOR	600B	STORAGE	28 SF	22' - 5 3/8"	10' - 0"	224 SF	
SIXTH FLOOR	600C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
SIXTH FLOOR	600D	STORAGE	30 SF	23' - 0"	10' - 0"	230 SF	
SIXTH FLOOR	600E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
SIXTH FLOOR	601	JUDGE CHAMBER	304 SF	76' - 8"	10' - 0"	767 SF	
SIXTH FLOOR	601A	DATA	20 SF	17' - 11 1/2"	10' - 0"	180 SF	
SIXTH FLOOR	601B	TOILET	17 SF	16' - 8"	10' - 0"	167 SF	
SIXTH FLOOR	602	OFFICE	122 SF	44' - 3"	10' - 0"	443 SF	
SIXTH FLOOR	603	OFFICE	86 SF	37' - 9 1/4"	10' - 0"	378 SF	
SIXTH FLOOR	604	OFFICE	132 SF	48' - 1"	10' - 0"	481 SF	
SIXTH FLOOR	605	OFFICE	98 SF	39' - 11"	10' - 0"	399 SF	
SIXTH FLOOR	606	OFFICE	107 SF	41' - 7"	10' - 0"	416 SF	
SIXTH FLOOR	607	JUDGE CHAMBER	350 SF	82' - 2"	10' - 0"	822 SF	
SIXTH FLOOR	607A	DATA	19 SF	17' - 6"	10' - 0"	175 SF	
SIXTH FLOOR	607B	TOILET	25 SF	20' - 1 3/4"	10' - 0"	201 SF	
SIXTH FLOOR	611	JUDGES CHAMBER	299 SF	76' - 8"	10' - 0"	767 SF	
SIXTH FLOOR	611A	DATA	18 SF	17' - 0"	10' - 0"	170 SF	
SIXTH FLOOR	611B	TOILET	24 SF	19' - 6"	10' - 0"	195 SF	
SIXTH FLOOR	612	OFFICE	108 SF	41' - 9"	10' - 0"	418 SF	
SIXTH FLOOR	613	OFFICE	124 SF	47' - 8 3/4"	10' - 0"	477 SF	
SIXTH FLOOR	614	BREAK ROOM	86 SF	42' - 3"	10' - 0"	423 SF	
SIXTH FLOOR	615	OFFICE	126 SF	47' - 10 1/4"	10' - 0"	479 SF	
SIXTH FLOOR	616	OFFICE	109 SF	41' - 11"	10' - 0"	419 SF	
SIXTH FLOOR	617	JUDGES CHAMBER	308 SF	78' - 2"	10' - 0"	782 SF	
SIXTH FLOOR	617A	DATA	20 SF	17' - 10"	10' - 0"	178 SF	
SIXTH FLOOR	617B	TOILET	22 SF	18' - 7 1/2"	10' - 0"	186 SF	
Grand total: 28			4400 SF	1292' - 8 7/8"		12927 SF	

SPACE SCHEDULE - 060 SIXTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR	620	DIVISION 8	1393 SF	149' - 4 1/2"	10' - 0"	1494 SF	
SIXTH FLOOR	621	OFFICE	115 SF	45' - 6"	10' - 0"	455 SF	
SIXTH FLOOR	622	OFFICE	145 SF	50' - 6"	10' - 0"	505 SF	
SIXTH FLOOR	623	CORRIDOR	128 SF	57' - 0 1/8"	10' - 0"	570 SF	
SIXTH FLOOR	624	COR	87 SF	46' - 6 1/2"	10' - 0"	465 SF	
SIXTH FLOOR	625	BREAK	30 SF	23' - 1"	10' - 0"	231 SF	
SIXTH FLOOR	626	STOR	16 SF	16' - 0"	10' - 0"	160 SF	
SIXTH FLOOR	627	STOR	10 SF	13' - 5 1/2"	10' - 0"	135 SF	
Grand total: 8			1923 SF	401' - 5 5/8"		4015 SF	

SPACE SCHEDULE - 060 SIXTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR	640	DIVISION 6	1393 SF	149' - 8 1/2"	10' - 0"	1497 SF	
SIXTH FLOOR	644	COR	118 SF	61' - 0 1/2"	10' - 0"	610 SF	
SIXTH FLOOR	644A	STOR	9 SF	11' - 8"	10' - 0"	117 SF	
SIXTH FLOOR	645	TOILET	16 SF	17' - 0 1/4"	10' - 0"	170 SF	
SIXTH FLOOR	646	STOR	20 SF	17' - 9 1/4"	10' - 0"	178 SF	
SIXTH FLOOR	647	STOR	9 SF	13' - 4 3/4"	10' - 0"	134 SF	
Grand total: 6			1565 SF	270' - 7 1/4"		2706 SF	

SPACE SCHEDULE - 060 SIXTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR	660	DIVISION 7	1382 SF	149' - 0 1/2"	10' - 0"	1490 SF	
SIXTH FLOOR	663	BREAK	12 SF	13' - 9"	10' - 0"	138 SF	
SIXTH FLOOR	664	COR	122 SF	63' - 1 1/4"	10' - 0"	631 SF	
SIXTH FLOOR	665	TOILET	20 SF	18' - 8"	10' - 0"	187 SF	
SIXTH FLOOR	666	STOR	22 SF	18' - 9 3/8"	10' - 0"	188 SF	
SIXTH FLOOR	667	STOR	10 SF	13' - 8"	10' - 0"	137 SF	
Grand total: 6			1567 SF	277' - 0 1/8"		2770 SF	

SPACE SCHEDULE - 060 SIXTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR	680	DIVISION 9	1394 SF	149' - 0 1/2"	10' - 0"	1490 SF	
SIXTH FLOOR	683	CORRIDOR	127 SF	56' - 6 3/4"	10' - 0"	566 SF	
SIXTH FLOOR	684	COR	84 SF	46' - 2 1/8"	10' - 0"	462 SF	
SIXTH FLOOR	685	BREAK	20 SF	19' - 6 1/2"	10' - 0"	195 SF	
SIXTH FLOOR	686	STOR	19 SF	17' - 3 1/2"	10' - 0"	173 SF	
SIXTH FLOOR	687	STOR	9 SF	13' - 2"	10' - 0"	132 SF	
SIXTH FLOOR	690	CORRIDOR	229 SF	103' - 6 1/2"	10' - 0"	1035 SF	
SIXTH FLOOR	691	OFFICE	119 SF	46' - 1 1/4"	10' - 0"	461 SF	
SIXTH FLOOR	692	OFFICE	220 SF	59' - 3 1/2"	10' - 0"	593 SF	
SIXTH FLOOR	693	TOILET	37 SF	25' - 1 3/4"	10' - 0"	251 SF	
SIXTH FLOOR	694	TOILET	59 SF	33' - 5 1/4"	10' - 0"	334 SF	
SIXTH FLOOR	695	MECH	37 SF	30' - 4"	10' - 0"	303 SF	
Grand total: 12			2353 SF	599' - 7 1/2"		5996 SF	

SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR MEZZ	S601M	STAIR	171 SF	61' - 7 1/2"	10' - 0"	616 SF	
SIXTH FLOOR MEZZ	S602M	STAIR	172 SF	61' - 2 7/8"	10' - 0"	612 SF	
SIXTH FLOOR MEZZ	S603M	STAIR	93 SF	43' - 4 3/8"	10' - 0"	434 SF	
SIXTH FLOOR MEZZ	S620M	STAIR	69 SF	49' - 10"	10' - 0"	498 SF	
SIXTH FLOOR MEZZ	S640M	STAIR	67 SF	49' - 2 1/2"	10' - 0"	492 SF	
SIXTH FLOOR MEZZ	S660M	STAIR	67 SF	49' - 3 1/8"	10' - 0"	493 SF	
SIXTH FLOOR MEZZ	S680M	STAIR	66 SF	48' - 11 1/2"	10' - 0"	490 SF	
Grand total: 7			707 SF	363' - 5 3/4"		3635 SF	

8' 0 8" 16'

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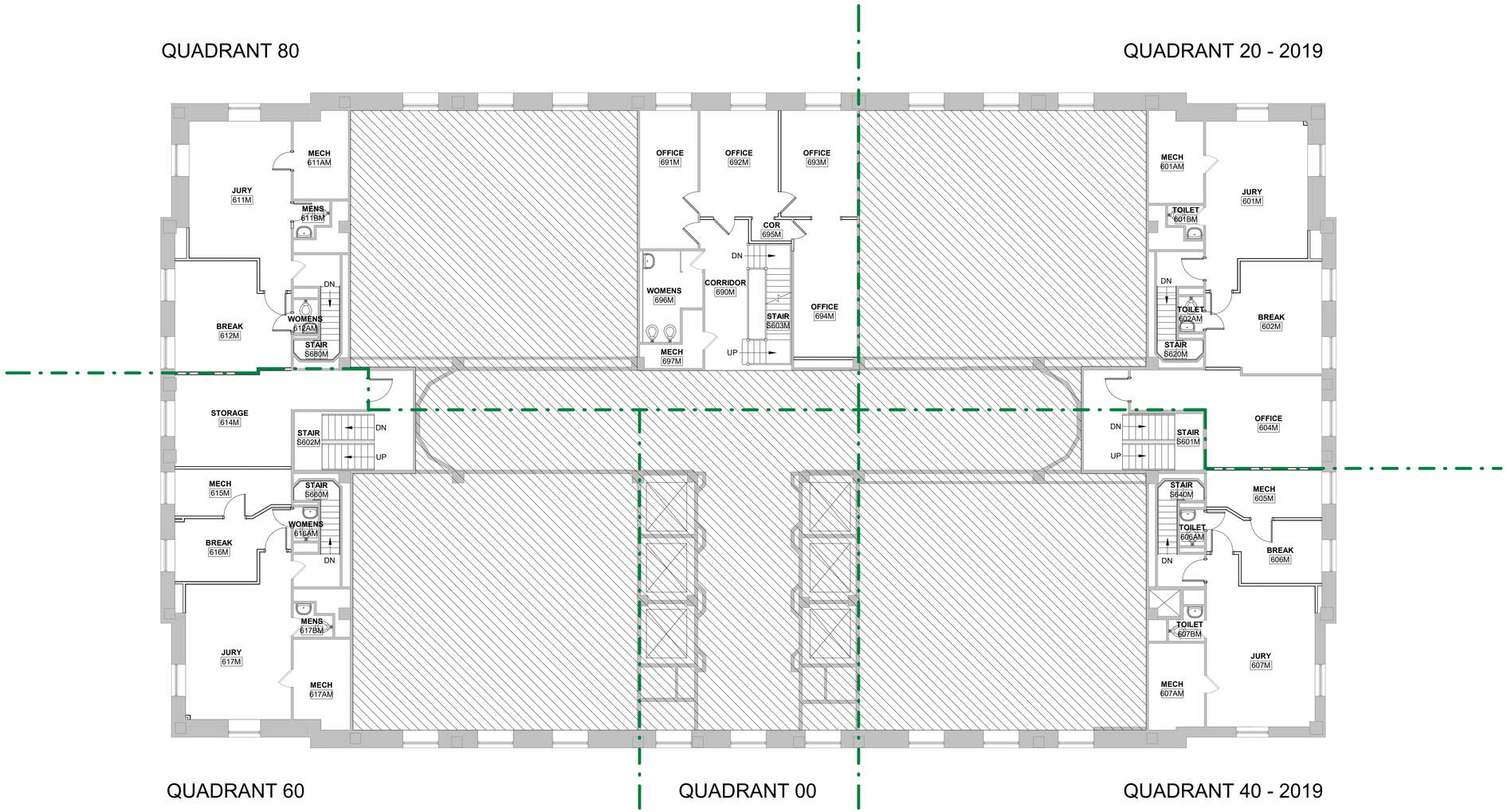
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SIXTH FLOOR SCHEDULES

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8' 0 8' 16'

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SIXTH FLOOR MEZZ

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SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR MEZZ	601AM	MECH	95 SF	41' - 5"	10' - 0"	414 SF	
SIXTH FLOOR MEZZ	601BM	TOILET	19 SF	19' - 4 1/2"	10' - 0"	194 SF	
SIXTH FLOOR MEZZ	601M	JURY	295 SF	76' - 0 1/4"	10' - 0"	760 SF	
SIXTH FLOOR MEZZ	602AM	TOILET	17 SF	16' - 8"	10' - 0"	167 SF	
SIXTH FLOOR MEZZ	602M	BREAK	230 SF	64' - 1 1/4"	10' - 0"	641 SF	
SIXTH FLOOR MEZZ	604M	OFFICE	271 SF	81' - 2"	10' - 0"	812 SF	
SIXTH FLOOR MEZZ	605M	MECH	101 SF	44' - 6 5/8"	10' - 0"	445 SF	
SIXTH FLOOR MEZZ	606AM	TOILET	17 SF	16' - 11 1/2"	10' - 0"	170 SF	
SIXTH FLOOR MEZZ	606M	BREAK	127 SF	51' - 10 7/8"	10' - 0"	519 SF	
SIXTH FLOOR MEZZ	607AM	MECH	94 SF	40' - 0"	10' - 0"	400 SF	
SIXTH FLOOR MEZZ	607BM	TOILET	20 SF	19' - 8"	10' - 0"	197 SF	
SIXTH FLOOR MEZZ	607M	JURY	320 SF	78' - 10"	10' - 0"	788 SF	
SIXTH FLOOR MEZZ	611AM	MECH	90 SF	40' - 2 1/2"	10' - 0"	402 SF	
SIXTH FLOOR MEZZ	611BM	MENS	22 SF	20' - 4 1/4"	10' - 0"	204 SF	
SIXTH FLOOR MEZZ	611M	JURY	295 SF	76' - 2"	10' - 0"	762 SF	
SIXTH FLOOR MEZZ	612AM	WOMENS	16 SF	16' - 5 1/2"	10' - 0"	165 SF	
SIXTH FLOOR MEZZ	612M	BREAK	229 SF	63' - 9"	10' - 0"	638 SF	
SIXTH FLOOR MEZZ	614M	STORAGE	270 SF	81' - 7 3/4"	10' - 0"	816 SF	
SIXTH FLOOR MEZZ	615M	MECH	100 SF	44' - 6 1/8"	10' - 0"	445 SF	
SIXTH FLOOR MEZZ	616AM	WOMENS	16 SF	16' - 4 1/4"	10' - 0"	164 SF	
SIXTH FLOOR MEZZ	616M	BREAK	128 SF	52' - 2 5/8"	10' - 0"	522 SF	
SIXTH FLOOR MEZZ	617AM	MECH	96 SF	41' - 4 1/2"	10' - 0"	414 SF	
SIXTH FLOOR MEZZ	617BM	MENS	22 SF	20' - 5 1/4"	10' - 0"	204 SF	
SIXTH FLOOR MEZZ	617M	JURY	300 SF	76' - 7"	10' - 0"	766 SF	
Grand total: 24			3190 SF	1100' - 8 5/8"		11007 SF	

SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR MEZZ	690M	CORRIDOR	143 SF	67' - 5 7/8"	10' - 0"	675 SF	
SIXTH FLOOR MEZZ	691M	OFFICE	159 SF	55' - 1 1/2"	10' - 0"	551 SF	
SIXTH FLOOR MEZZ	692M	OFFICE	163 SF	51' - 8 1/8"	10' - 0"	517 SF	
SIXTH FLOOR MEZZ	693M	OFFICE	159 SF	51' - 1 7/8"	10' - 0"	512 SF	
SIXTH FLOOR MEZZ	694M	OFFICE	171 SF	56' - 4"	10' - 0"	563 SF	
SIXTH FLOOR MEZZ	695M	COR	17 SF	17' - 2 3/8"	10' - 0"	172 SF	
SIXTH FLOOR MEZZ	696M	WOMENS	91 SF	48' - 2"	10' - 0"	482 SF	
SIXTH FLOOR MEZZ	697M	MECH	42 SF	34' - 0"	10' - 0"	340 SF	
Grand total: 8			945 SF	381' - 1 3/4"		3811 SF	

SPACE SCHEDULE - 061 SIXTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SIXTH FLOOR MEZZ	S601M	STAIR	171 SF	61' - 7 1/2"	10' - 0"	616 SF	
SIXTH FLOOR MEZZ	S602M	STAIR	172 SF	61' - 2 7/8"	10' - 0"	612 SF	
SIXTH FLOOR MEZZ	S603M	STAIR	93 SF	43' - 4 3/8"	10' - 0"	434 SF	
SIXTH FLOOR MEZZ	S620M	STAIR	69 SF	49' - 10"	10' - 0"	498 SF	
SIXTH FLOOR MEZZ	S640M	STAIR	67 SF	49' - 2 1/2"	10' - 0"	492 SF	
SIXTH FLOOR MEZZ	S660M	STAIR	67 SF	49' - 3 1/8"	10' - 0"	493 SF	
SIXTH FLOOR MEZZ	S680M	STAIR	66 SF	48' - 11 1/2"	10' - 0"	490 SF	
Grand total: 7			707 SF	363' - 5 3/4"		3635 SF	

8' 0 8' 16'

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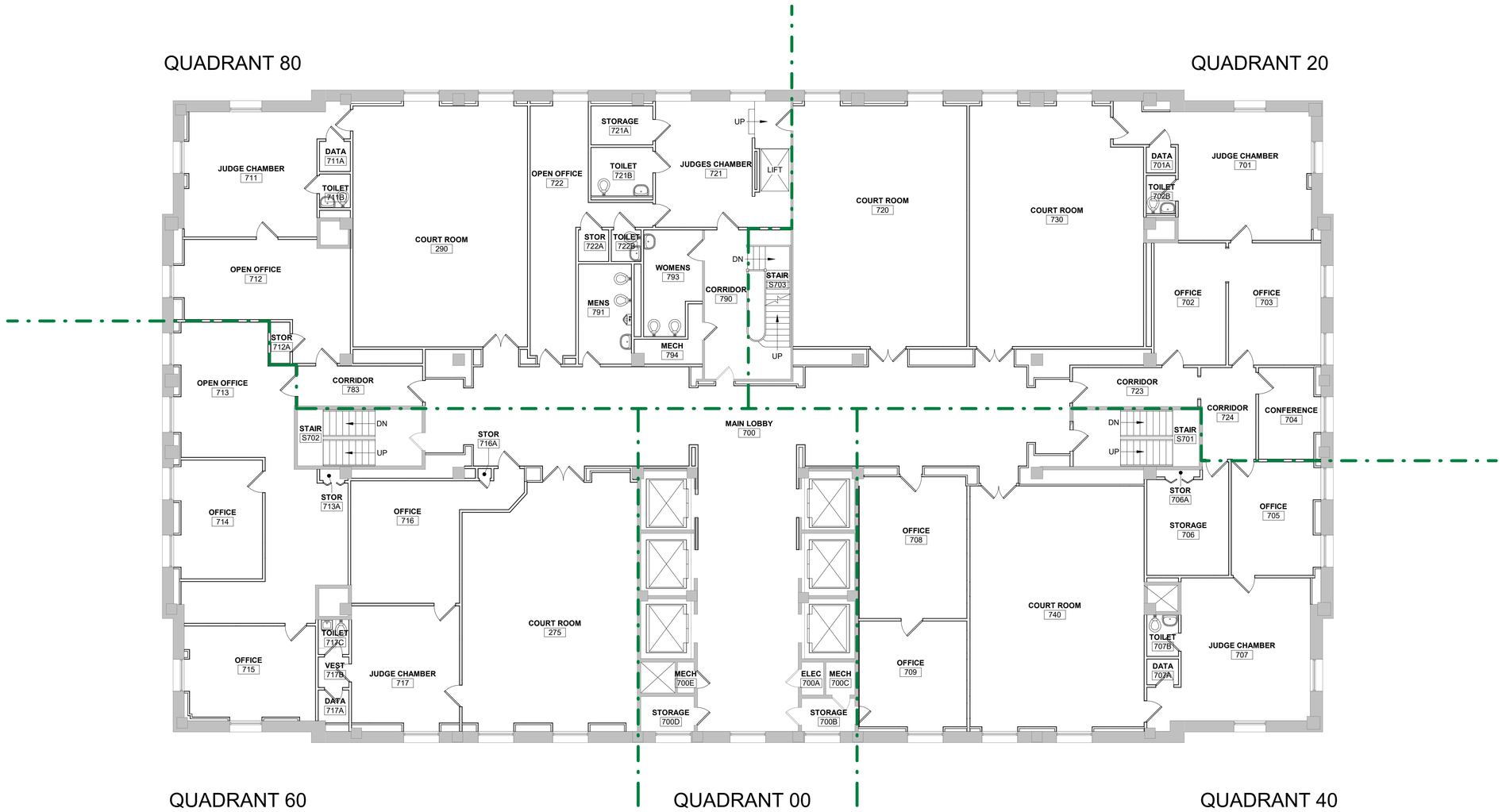
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SIXTH FLOOR MEZZ SCHEDULES

A061-S

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1 A070 SEVENTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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SEVENTH FLOOR PLAN

A070

SPACE SCHEDULE - 070 SEVENTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVENTH FLOOR	700	MAIN LOBBY	1761 SF	341' - 9 7/8"	10' - 0"	3418 SF	
SEVENTH FLOOR	700A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
SEVENTH FLOOR	700B	STORAGE	35 SF	24' - 3 3/8"	10' - 0"	243 SF	
SEVENTH FLOOR	700C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
SEVENTH FLOOR	700D	STORAGE	37 SF	24' - 10"	10' - 0"	248 SF	
SEVENTH FLOOR	700E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
SEVENTH FLOOR	701	JUDGE CHAMBER	385 SF	98' - 2 3/4"	10' - 0"	982 SF	
SEVENTH FLOOR	701A	DATA	15 SF	15' - 4 3/4"	10' - 0"	154 SF	
SEVENTH FLOOR	702	OFFICE	173 SF	54' - 6 1/4"	10' - 0"	545 SF	
SEVENTH FLOOR	702B	TOILET	22 SF	18' - 10 3/4"	10' - 0"	189 SF	
SEVENTH FLOOR	703	OFFICE	223 SF	60' - 4 1/4"	10' - 0"	604 SF	
SEVENTH FLOOR	704	CONFERENCE	105 SF	43' - 3 1/2"	10' - 0"	433 SF	
SEVENTH FLOOR	705	OFFICE	194 SF	59' - 4"	10' - 0"	593 SF	
SEVENTH FLOOR	706	STORAGE	164 SF	54' - 11"	10' - 0"	549 SF	
SEVENTH FLOOR	706A	STOR	6 SF	14' - 1 5/8"	10' - 0"	141 SF	
SEVENTH FLOOR	707	JUDGE CHAMBER	392 SF	89' - 3"	10' - 0"	893 SF	
SEVENTH FLOOR	707A	DATA	16 SF	16' - 0 1/2"	10' - 0"	160 SF	
SEVENTH FLOOR	707B	TOILET	26 SF	20' - 6"	10' - 0"	205 SF	
SEVENTH FLOOR	708	OFFICE	301 SF	70' - 4 1/4"	10' - 0"	704 SF	
SEVENTH FLOOR	709	OFFICE	228 SF	61' - 3 1/4"	10' - 0"	613 SF	
SEVENTH FLOOR	711	JUDGE CHAMBER	347 SF	85' - 11"	10' - 0"	859 SF	
SEVENTH FLOOR	711A	DATA	18 SF	17' - 0"	10' - 0"	170 SF	
SEVENTH FLOOR	711B	TOILET	20 SF	18' - 0"	10' - 0"	180 SF	
SEVENTH FLOOR	712	OPEN OFFICE	312 SF	84' - 7 3/8"	10' - 0"	846 SF	
SEVENTH FLOOR	712A	STOR	16 SF	16' - 11"	10' - 0"	169 SF	
SEVENTH FLOOR	713	OPEN OFFICE	586 SF	159' - 2"	10' - 0"	1592 SF	
SEVENTH FLOOR	713A	STOR	4 SF	8' - 8 5/8"	10' - 0"	87 SF	
SEVENTH FLOOR	714	OFFICE	201 SF	60' - 6 1/2"	10' - 0"	605 SF	
SEVENTH FLOOR	715	OFFICE	237 SF	66' - 2 1/2"	10' - 0"	662 SF	
SEVENTH FLOOR	716	OFFICE	305 SF	85' - 5 1/8"	10' - 0"	854 SF	
SEVENTH FLOOR	716A	STOR	2 SF	6' - 3 1/4"	10' - 0"	63 SF	
SEVENTH FLOOR	717	JUDGE CHAMBER	256 SF	65' - 8 5/8"	10' - 0"	657 SF	
SEVENTH FLOOR	717A	DATA	20 SF	17' - 9 1/4"	10' - 0"	178 SF	
SEVENTH FLOOR	717B	VEST	18 SF	17' - 1"	10' - 0"	171 SF	
SEVENTH FLOOR	717C	TOILET	21 SF	18' - 3 3/4"	10' - 0"	183 SF	
Grand total: 35			6488 SF	1841' - 2 1/2"		18412 SF	

SPACE SCHEDULE - 070 SEVENTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVENTH FLOOR	S701	STAIR	141 SF	51' - 4 1/4"	10' - 0"	514 SF	
SEVENTH FLOOR	S702	STAIR	139 SF	50' - 11 1/8"	10' - 0"	509 SF	
SEVENTH FLOOR	S703	STAIR	135 SF	54' - 10 1/8"	10' - 0"	548 SF	
Grand total: 3			415 SF	157' - 1 1/2"		1571 SF	

SPACE SCHEDULE - 070 SEVENTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVENTH FLOOR	720	COURT ROOM	836 SF	119' - 4 1/2"	10' - 0"	1194 SF	
SEVENTH FLOOR	721	JUDGES CHAMBER	331 SF	76' - 11"	10' - 0"	769 SF	
SEVENTH FLOOR	721A	STORAGE	47 SF	28' - 3 1/4"	10' - 0"	283 SF	
SEVENTH FLOOR	721B	TOILET	59 SF	30' - 11 1/2"	10' - 0"	310 SF	
SEVENTH FLOOR	722	OPEN OFFICE	294 SF	108' - 7 1/8"	10' - 0"	1086 SF	
SEVENTH FLOOR	722A	STOR	19 SF	17' - 3 1/2"	10' - 0"	173 SF	
SEVENTH FLOOR	722B	TOILET	18 SF	17' - 1 1/2"	10' - 0"	171 SF	
SEVENTH FLOOR	723	CORRIDOR	96 SF	46' - 1"	10' - 0"	461 SF	
SEVENTH FLOOR	724	CORRIDOR	98 SF	41' - 2 1/8"	10' - 0"	412 SF	
SEVENTH FLOOR	730	COURT ROOM	810 SF	119' - 5 3/4"	10' - 0"	1195 SF	
Grand total: 10			2608 SF	605' - 3 1/4"		6053 SF	

SPACE SCHEDULE - 070 SEVENTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVENTH FLOOR	740	COURT ROOM	838 SF	119' - 6"	10' - 0"	1195 SF	
Grand total: 1			838 SF	119' - 6"		1195 SF	

SPACE SCHEDULE - 070 SEVENTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 070 SEVENTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVENTH FLOOR	783	CORRIDOR	98 SF	46' - 3 1/2"	10' - 0"	463 SF	
SEVENTH FLOOR	790	CORRIDOR	120 SF	53' - 5 3/8"	10' - 0"	534 SF	
SEVENTH FLOOR	791	MENS	105 SF	43' - 0 1/8"	10' - 0"	430 SF	
SEVENTH FLOOR	793	WOMENS	112 SF	46' - 6 3/8"	10' - 0"	465 SF	
SEVENTH FLOOR	794	MECH	41 SF	36' - 1 1/2"	10' - 0"	361 SF	
Grand total: 5			476 SF	225' - 4 7/8"		2254 SF	

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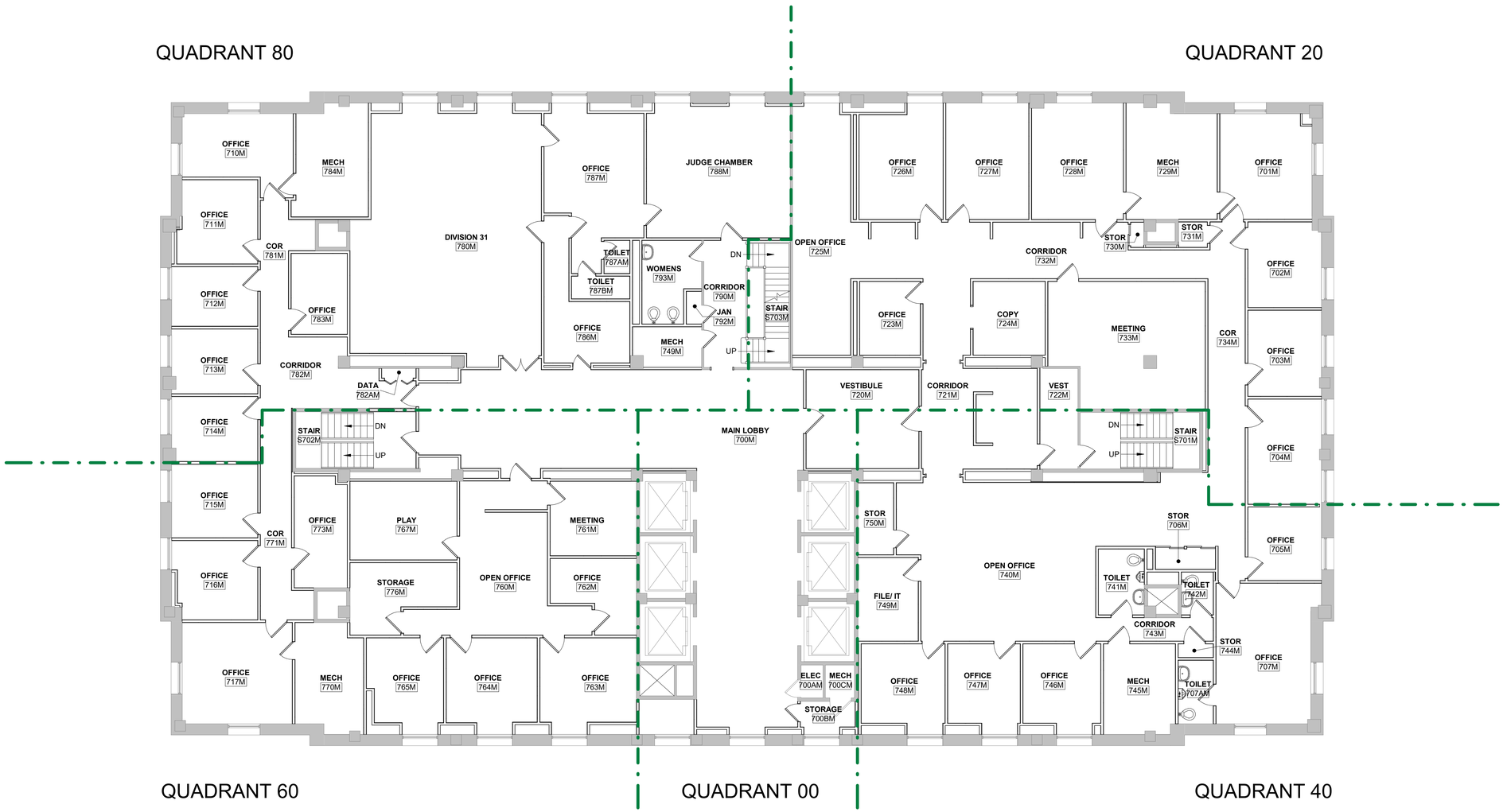
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SEVENTH FLOOR SCHEDULES

A070-S



1 A071 SEVENTH FLOOR PLAN MEZZ
1/8" = 1'-0"

8' 0 8' 16'

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SEVENTH FLOOR PLAN MEZZ

A071

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SPACE SCHEDULE - 071 SEVENTH FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVETH FLOOR MEZZ	700AM	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
SEVETH FLOOR MEZZ	700BM	STORAGE	33 SF	24' - 7 7/8"	10' - 0"	247 SF	
SEVETH FLOOR MEZZ	700CM	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
SEVETH FLOOR MEZZ	700M	MAIN LOBBY	1265 SF	216' - 8"	10' - 0"	2167 SF	
SEVETH FLOOR MEZZ	701M	OFFICE	189 SF	55' - 6 1/2"	10' - 0"	555 SF	
SEVETH FLOOR MEZZ	702M	OFFICE	123 SF	44' - 8 1/2"	10' - 0"	447 SF	
SEVETH FLOOR MEZZ	703M	OFFICE	125 SF	45' - 5 1/4"	10' - 0"	454 SF	
SEVETH FLOOR MEZZ	704M	OFFICE	152 SF	50' - 9 1/2"	10' - 0"	508 SF	
SEVETH FLOOR MEZZ	705M	OFFICE	107 SF	41' - 4"	10' - 0"	413 SF	
SEVETH FLOOR MEZZ	706M	STOR	24 SF	22' - 6"	10' - 0"	225 SF	
SEVETH FLOOR MEZZ	707AM	TOILET	44 SF	27' - 8 1/4"	10' - 0"	277 SF	
SEVETH FLOOR MEZZ	707M	OFFICE	268 SF	69' - 1 1/2"	10' - 0"	691 SF	
SEVETH FLOOR MEZZ	710M	OFFICE	152 SF	54' - 9 1/2"	10' - 0"	548 SF	
SEVETH FLOOR MEZZ	711M	OFFICE	129 SF	46' - 4 1/2"	10' - 0"	464 SF	
SEVETH FLOOR MEZZ	712M	OFFICE	101 SF	40' - 10 1/2"	10' - 0"	409 SF	
SEVETH FLOOR MEZZ	713M	OFFICE	109 SF	43' - 7 1/4"	10' - 0"	436 SF	
SEVETH FLOOR MEZZ	714M	OFFICE	109 SF	42' - 5"	10' - 0"	424 SF	
SEVETH FLOOR MEZZ	715M	OFFICE	125 SF	44' - 10"	10' - 0"	448 SF	
SEVETH FLOOR MEZZ	716M	OFFICE	127 SF	46' - 5"	10' - 0"	464 SF	
SEVETH FLOOR MEZZ	717M	OFFICE	220 SF	59' - 4 1/4"	10' - 0"	594 SF	
Grand total: 20			3433 SF	1009' - 10 5/8"		10099 SF	

SPACE SCHEDULE - 071 SEVENTH FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVETH FLOOR MEZZ	720M	VESTIBULE	220 SF	59' - 5"	10' - 0"	594 SF	
SEVETH FLOOR MEZZ	721M	CORRIDOR	233 SF	63' - 8 3/4"	10' - 0"	637 SF	
SEVETH FLOOR MEZZ	722M	VEST	75 SF	39' - 1"	10' - 0"	391 SF	
SEVETH FLOOR MEZZ	723M	OFFICE	88 SF	37' - 8 3/4"	10' - 0"	377 SF	
SEVETH FLOOR MEZZ	724M	COPY	105 SF	40' - 11"	10' - 0"	409 SF	
SEVETH FLOOR MEZZ	725M	OPEN OFFICE	295 SF	89' - 5 5/8"	10' - 0"	895 SF	
SEVETH FLOOR MEZZ	726M	OFFICE	182 SF	56' - 4"	10' - 0"	563 SF	
SEVETH FLOOR MEZZ	727M	OFFICE	191 SF	56' - 0 1/2"	10' - 0"	560 SF	
SEVETH FLOOR MEZZ	728M	OFFICE	210 SF	58' - 6 1/4"	10' - 0"	585 SF	
SEVETH FLOOR MEZZ	729M	MECH	198 SF	59' - 7 3/4"	10' - 0"	596 SF	
SEVETH FLOOR MEZZ	730M	STOR	6 SF	10' - 7 1/2"	10' - 0"	106 SF	
SEVETH FLOOR MEZZ	731M	STOR	14 SF	15' - 1 3/4"	10' - 0"	151 SF	
SEVETH FLOOR MEZZ	732M	CORRIDOR	417 SF	155' - 7"	10' - 0"	1556 SF	
SEVETH FLOOR MEZZ	733M	MEETING	366 SF	80' - 0 3/4"	10' - 0"	801 SF	
SEVETH FLOOR MEZZ	734M	COR	182 SF	80' - 8 5/8"	10' - 0"	807 SF	
Grand total: 15			2781 SF	903' - 0 3/8"		9030 SF	

SPACE SCHEDULE - 071 SEVENTH FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVETH FLOOR MEZZ	740M	OPEN OFFICE	810 SF	156' - 7 3/4"	10' - 0"	1566 SF	
SEVETH FLOOR MEZZ	741M	TOILET	59 SF	31' - 4 3/8"	10' - 0"	314 SF	
SEVETH FLOOR MEZZ	742M	TOILET	27 SF	20' - 11"	10' - 0"	209 SF	
SEVETH FLOOR MEZZ	743M	CORRIDOR	54 SF	39' - 7 5/8"	10' - 0"	396 SF	
SEVETH FLOOR MEZZ	744M	STOR	9 SF	13' - 7 1/2"	10' - 0"	136 SF	
SEVETH FLOOR MEZZ	745M	MECH	127 SF	46' - 2 1/2"	10' - 0"	462 SF	
SEVETH FLOOR MEZZ	746M	OFFICE	130 SF	47' - 3 1/2"	10' - 0"	473 SF	
SEVETH FLOOR MEZZ	747M	OFFICE	121 SF	45' - 9 3/4"	10' - 0"	458 SF	
SEVETH FLOOR MEZZ	748M	OFFICE	139 SF	48' - 11 1/2"	10' - 0"	490 SF	
SEVETH FLOOR MEZZ	749M	FILE/ IT	99 SF	40' - 4 3/4"	10' - 0"	404 SF	
SEVETH FLOOR MEZZ	749M	MECH	53 SF	30' - 9"	10' - 0"	308 SF	
SEVETH FLOOR MEZZ	750M	STOR	50 SF	30' - 2 3/8"	10' - 0"	302 SF	
Grand total: 12			1679 SF	551' - 9 1/2"		5518 SF	

SPACE SCHEDULE - 071 SEVENTH FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVETH FLOOR MEZZ	760M	OPEN OFFICE	317 SF	113' - 9 5/8"	10' - 0"	1138 SF	
SEVETH FLOOR MEZZ	761M	MEETING	127 SF	45' - 1 1/2"	10' - 0"	451 SF	
SEVETH FLOOR MEZZ	762M	OFFICE	102 SF	45' - 8 3/4"	10' - 0"	457 SF	
SEVETH FLOOR MEZZ	763M	OFFICE	169 SF	54' - 2 3/4"	10' - 0"	542 SF	
SEVETH FLOOR MEZZ	764M	OFFICE	160 SF	52' - 8"	10' - 0"	527 SF	
SEVETH FLOOR MEZZ	765M	OFFICE	132 SF	48' - 9 3/4"	10' - 0"	488 SF	
SEVETH FLOOR MEZZ	767M	PLAY	166 SF	52' - 1 1/2"	10' - 0"	521 SF	
SEVETH FLOOR MEZZ	770M	MECH	140 SF	51' - 8 1/2"	10' - 0"	517 SF	
SEVETH FLOOR MEZZ	771M	COR	103 SF	56' - 7"	10' - 0"	566 SF	
SEVETH FLOOR MEZZ	773M	OFFICE	115 SF	46' - 3 1/4"	10' - 0"	463 SF	
SEVETH FLOOR MEZZ	776M	STORAGE	121 SF	50' - 4 3/4"	10' - 0"	504 SF	
Grand total: 11			1652 SF	617' - 5 3/8"		6174 SF	

SPACE SCHEDULE - 071 SEVENTH FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVETH FLOOR MEZZ	780M	DIVISION 31	888 SF	131' - 0 7/8"	10' - 0"	1311 SF	
SEVETH FLOOR MEZZ	781M	COR	91 SF	53' - 8 3/8"	10' - 0"	537 SF	
SEVETH FLOOR MEZZ	782AM	DATA	6 SF	12' - 3 1/2"	10' - 0"	123 SF	
SEVETH FLOOR MEZZ	782M	CORRIDOR	204 SF	84' - 3"	10' - 0"	843 SF	
SEVETH FLOOR MEZZ	783M	OFFICE	89 SF	38' - 5 3/8"	10' - 0"	384 SF	
SEVETH FLOOR MEZZ	784M	MECH	158 SF	54' - 8 1/4"	10' - 0"	547 SF	
SEVETH FLOOR MEZZ	786M	OFFICE	147 SF	66' - 8 5/8"	10' - 0"	667 SF	
SEVETH FLOOR MEZZ	787AM	TOILET	17 SF	16' - 5 1/4"	10' - 0"	164 SF	
SEVETH FLOOR MEZZ	787BM	TOILET	26 SF	22' - 8"	10' - 0"	227 SF	
SEVETH FLOOR MEZZ	787M	OFFICE	259 SF	75' - 11 3/8"	10' - 0"	759 SF	
SEVETH FLOOR MEZZ	788M	JUDGE CHAMBER	376 SF	79' - 2 1/4"	10' - 0"	792 SF	
SEVETH FLOOR MEZZ	790M	CORRIDOR	125 SF	49' - 8 1/4"	10' - 0"	497 SF	
SEVETH FLOOR MEZZ	792M	JAN	10 SF	13' - 4 3/4"	10' - 0"	134 SF	
SEVETH FLOOR MEZZ	793M	WOMENS	86 SF	40' - 2 1/2"	10' - 0"	402 SF	
Grand total: 14			2482 SF	738' - 8 1/4"		7387 SF	

SPACE SCHEDULE - 071 SEVENTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
SEVETH FLOOR MEZZ	S701M	STAIR	133 SF	49' - 4 3/4"	10' - 0"	494 SF	
SEVETH FLOOR MEZZ	S702M	STAIR	134 SF	49' - 8"	10' - 0"	497 SF	
SEVETH FLOOR MEZZ	S703M	STAIR	92 SF	45' - 11 3/4"	10' - 0"	460 SF	
Grand total: 3			359 SF	145' - 0 1/2"		1450 SF	

8' 0 8' 16'

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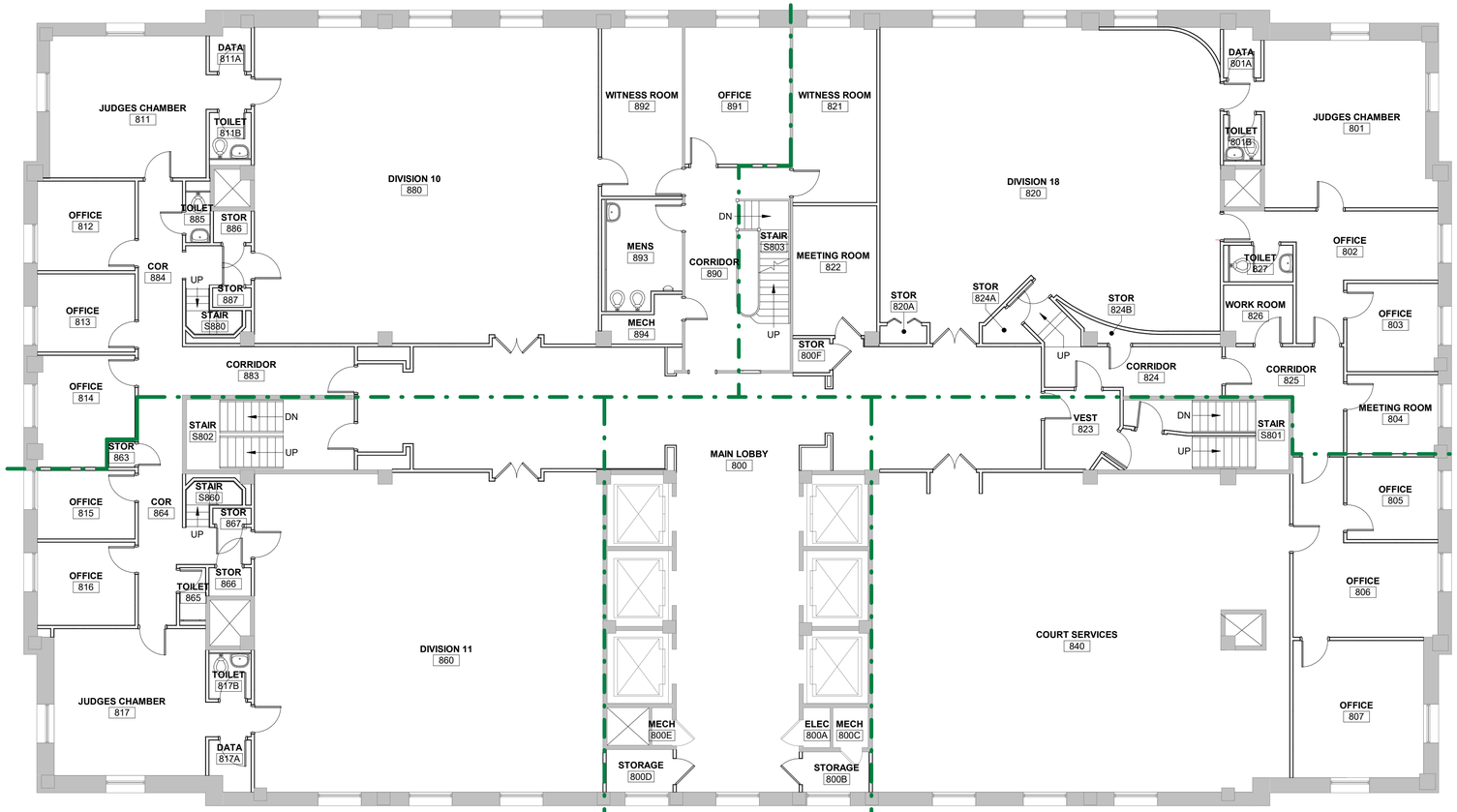
SEVENTH FLOOR MEZZ SCHEDULE

A071-S

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QUADRANT 80

QUADRANT 20



QUADRANT 60

QUADRANT 00

QUADRANT 40

1 A080 EIGHTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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EIGHTH FLOOR PLAN

A080

SPACE SCHEDULE - 080 EIGHTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR	800	MAIN LOBBY	1552 SF	295' - 3 1/8"	10' - 0"	2953 SF	
EIGHTH FLOOR	800A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
EIGHTH FLOOR	800B	STORAGE	36 SF	24' - 7 7/8"	10' - 0"	247 SF	
EIGHTH FLOOR	800C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
EIGHTH FLOOR	800D	STORAGE	38 SF	25' - 2 1/2"	10' - 0"	252 SF	
EIGHTH FLOOR	800E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
EIGHTH FLOOR	800F	STOR	17 SF	16' - 3 1/4"	10' - 0"	163 SF	
EIGHTH FLOOR	801	JUDGES CHAMBER	381 SF	88' - 2 1/2"	10' - 0"	882 SF	
EIGHTH FLOOR	801A	DATA	24 SF	20' - 2 3/4"	10' - 0"	202 SF	
EIGHTH FLOOR	801B	TOILET	23 SF	19' - 1 3/4"	10' - 0"	191 SF	
EIGHTH FLOOR	802	OFFICE	200 SF	80' - 1"	10' - 0"	801 SF	
EIGHTH FLOOR	803	OFFICE	106 SF	41' - 4 1/4"	10' - 0"	414 SF	
EIGHTH FLOOR	804	MEETING ROOM	95 SF	39' - 2 1/4"	10' - 0"	392 SF	
EIGHTH FLOOR	805	OFFICE	100 SF	40' - 0 3/4"	10' - 0"	401 SF	
EIGHTH FLOOR	806	OFFICE	240 SF	75' - 1 1/4"	10' - 0"	751 SF	
EIGHTH FLOOR	807	OFFICE	238 SF	61' - 9 3/4"	10' - 0"	618 SF	
EIGHTH FLOOR	811	JUDGES CHAMBER	316 SF	80' - 10 1/2"	10' - 0"	809 SF	
EIGHTH FLOOR	811A	DATA	23 SF	19' - 9 1/2"	10' - 0"	198 SF	
EIGHTH FLOOR	811B	TOILET	25 SF	20' - 2 3/8"	10' - 0"	202 SF	
EIGHTH FLOOR	812	OFFICE	116 SF	43' - 2 3/4"	10' - 0"	432 SF	
EIGHTH FLOOR	813	OFFICE	101 SF	40' - 6"	10' - 0"	405 SF	
EIGHTH FLOOR	814	OFFICE	132 SF	49' - 7"	10' - 0"	496 SF	
EIGHTH FLOOR	815	OFFICE	89 SF	38' - 3 1/4"	10' - 0"	383 SF	
EIGHTH FLOOR	816	OFFICE	108 SF	41' - 8"	10' - 0"	417 SF	
EIGHTH FLOOR	817	JUDGES CHAMBER	318 SF	79' - 5 1/2"	10' - 0"	795 SF	
EIGHTH FLOOR	817A	DATA	26 SF	21' - 8 3/4"	10' - 0"	217 SF	
EIGHTH FLOOR	817B	TOILET	25 SF	20' - 1 1/2"	10' - 0"	201 SF	
Grand total: 27			4371 SF	1328' - 1 1/2"		13281 SF	

SPACE SCHEDULE - 080 EIGHTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR	820	DIVISION 18	1316 SF	154' - 4 1/2"	10' - 0"	1544 SF	
EIGHTH FLOOR	820A	STOR	11 SF	14' - 9 1/4"	10' - 0"	148 SF	
EIGHTH FLOOR	821	WITNESS ROOM	195 SF	59' - 10"	10' - 0"	598 SF	
EIGHTH FLOOR	822	MEETING ROOM	144 SF	49' - 3 1/4"	10' - 0"	493 SF	
EIGHTH FLOOR	823	VEST	70 SF	33' - 3 1/8"	10' - 0"	333 SF	
EIGHTH FLOOR	824	CORRIDOR	141 SF	68' - 11 5/8"	10' - 0"	690 SF	
EIGHTH FLOOR	824A	STOR	16 SF	17' - 10 3/4"	10' - 0"	179 SF	
EIGHTH FLOOR	824B	STOR	22 SF	39' - 11 5/8"	10' - 0"	400 SF	
EIGHTH FLOOR	825	CORRIDOR	116 SF	51' - 11 3/8"	10' - 0"	519 SF	
EIGHTH FLOOR	826	WORK ROOM	52 SF	29' - 5 1/4"	10' - 0"	294 SF	
EIGHTH FLOOR	827	TOILET	31 SF	23' - 0 3/8"	10' - 0"	230 SF	
Grand total: 11			2114 SF	542' - 9 1/4"		5428 SF	

SPACE SCHEDULE - 080 EIGHTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR	840	COURT SERVICES	1737 SF	185' - 10 1/2"	10' - 0"	1859 SF	
Grand total: 1			1737 SF	185' - 10 1/2"		1859 SF	

SPACE SCHEDULE - 080 EIGHTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR	860	DIVISION 11	1474 SF	158' - 10 3/4"	10' - 0"	1589 SF	
EIGHTH FLOOR	863	STOR	9 SF	11' - 10"	10' - 0"	118 SF	
EIGHTH FLOOR	864	COR	164 SF	79' - 3"	10' - 0"	793 SF	
EIGHTH FLOOR	865	TOILET	18 SF	17' - 11 7/8"	10' - 0"	180 SF	
EIGHTH FLOOR	866	STOR	16 SF	16' - 2 1/4"	10' - 0"	162 SF	
EIGHTH FLOOR	867	STOR	8 SF	12' - 4 3/4"	10' - 0"	124 SF	
Grand total: 6			1689 SF	296' - 6 5/8"		2966 SF	

SPACE SCHEDULE - 080 EIGHTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR	880	DIVISION 10	1442 SF	157' - 8 1/4"	10' - 0"	1577 SF	
EIGHTH FLOOR	883	CORRIDOR	139 SF	61' - 0 1/2"	10' - 0"	610 SF	
EIGHTH FLOOR	884	COR	97 SF	48' - 5 1/4"	10' - 0"	484 SF	
EIGHTH FLOOR	885	TOILET	16 SF	17' - 2 7/8"	10' - 0"	172 SF	
EIGHTH FLOOR	886	STOR	16 SF	15' - 10 3/4"	10' - 0"	159 SF	
EIGHTH FLOOR	887	STOR	10 SF	13' - 3 1/2"	10' - 0"	133 SF	
EIGHTH FLOOR	890	CORRIDOR	143 SF	59' - 1"	10' - 0"	591 SF	
EIGHTH FLOOR	891	OFFICE	192 SF	55' - 10 1/4"	10' - 0"	559 SF	
EIGHTH FLOOR	892	WITNESS ROOM	181 SF	57' - 7"	10' - 0"	576 SF	
EIGHTH FLOOR	893	MENS	105 SF	43' - 4 1/8"	10' - 0"	433 SF	
EIGHTH FLOOR	894	MECH	37 SF	30' - 0"	10' - 0"	300 SF	
Grand total: 11			2377 SF	559' - 5 1/2"		5595 SF	

SPACE SCHEDULE - 080 EIGHTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR	S801	STAIR	153 SF	87' - 2 7/8"	10' - 0"	872 SF	
EIGHTH FLOOR	S802	STAIR	157 SF	54' - 11 3/4"	10' - 0"	550 SF	
EIGHTH FLOOR	S803	STAIR	142 SF	59' - 0"	10' - 0"	590 SF	
EIGHTH FLOOR	S860	STAIR	24 SF	22' - 7 1/2"	10' - 0"	226 SF	
EIGHTH FLOOR	S880	STAIR	59 SF	42' - 0 1/2"	10' - 0"	420 SF	
Grand total: 5			535 SF	265' - 10 1/2"		2659 SF	

8' 0 8' 16'

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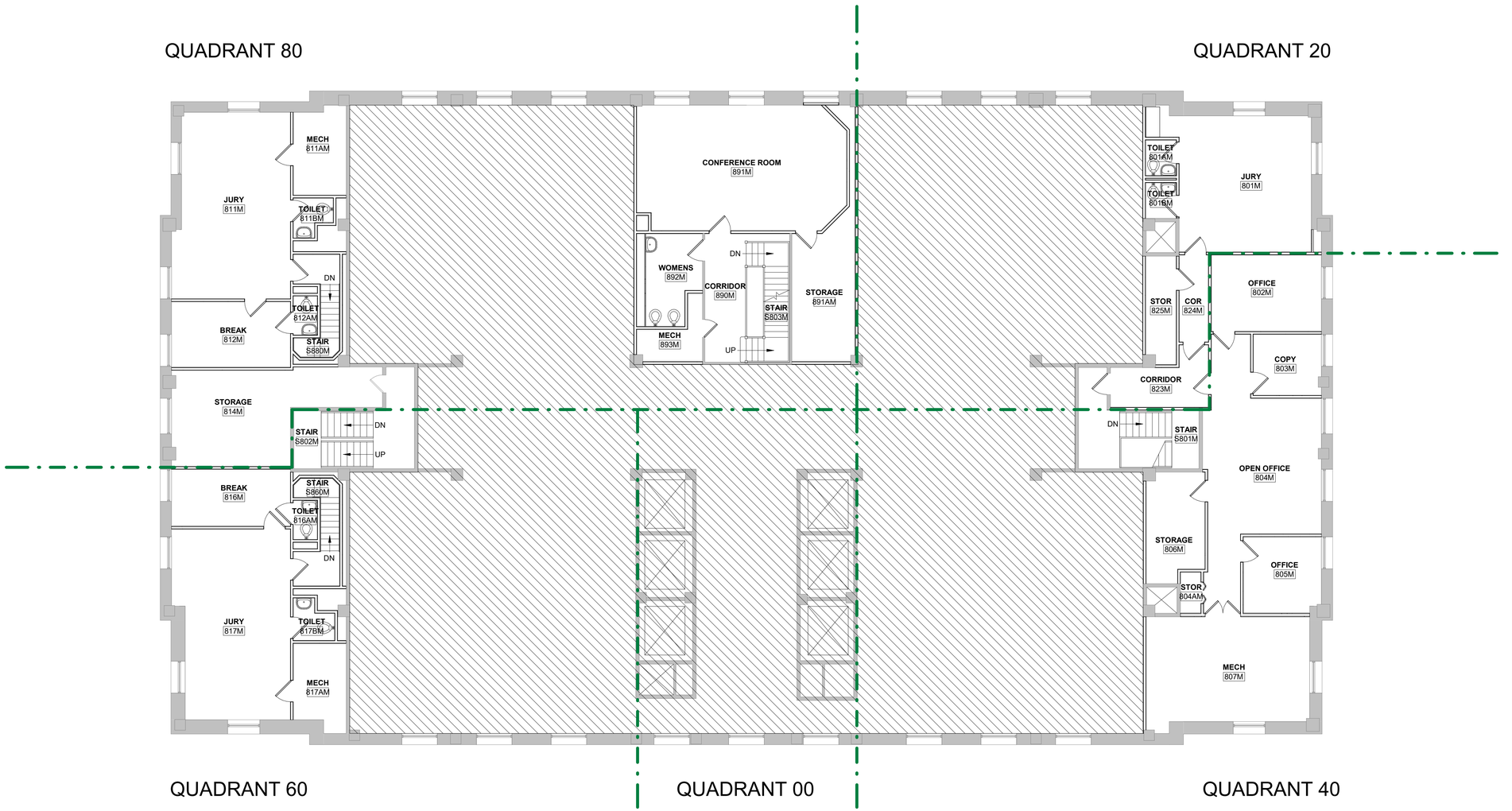
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EIGHTH FLOOR SCHEDULES

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1 A081 EIGHTH FLOOR MEZZ
1/8" = 1'-0"

8' 0 8' 16'

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EIGHTH FLOOR PLAN MEZZ

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SPACE SCHEDULE - 081 EIGHTH FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR MEZZ	801AM	TOILET	22 SF	18' - 8"	10' - 0"	187 SF	
EIGHTH FLOOR MEZZ	801BM	TOILET	22 SF	18' - 8"	10' - 0"	187 SF	
EIGHTH FLOOR MEZZ	801M	JURY	375 SF	88' - 0 1/4"	10' - 0"	880 SF	
EIGHTH FLOOR MEZZ	802M	OFFICE	167 SF	52' - 6 1/2"	10' - 0"	525 SF	
EIGHTH FLOOR MEZZ	803M	COPY	82 SF	37' - 3 1/4"	10' - 0"	373 SF	
EIGHTH FLOOR MEZZ	804AM	STOR	17 SF	17' - 3 1/4"	10' - 0"	173 SF	
EIGHTH FLOOR MEZZ	804M	OPEN OFFICE	414 SF	114' - 0 1/4"	10' - 0"	1140 SF	
EIGHTH FLOOR MEZZ	805M	OFFICE	116 SF	43' - 5 3/4"	10' - 0"	435 SF	
EIGHTH FLOOR MEZZ	806M	STORAGE	120 SF	47' - 11 1/4"	10' - 0"	479 SF	
EIGHTH FLOOR MEZZ	807M	MECH	344 SF	78' - 10 1/4"	10' - 0"	789 SF	
EIGHTH FLOOR MEZZ	811AM	MECH	90 SF	40' - 2 3/4"	10' - 0"	402 SF	
EIGHTH FLOOR MEZZ	811BM	TOILET	26 SF	22' - 6"	10' - 0"	225 SF	
EIGHTH FLOOR MEZZ	811M	JURY	415 SF	85' - 11 1/2"	10' - 0"	860 SF	
EIGHTH FLOOR MEZZ	812AM	TOILET	19 SF	17' - 9 1/8"	10' - 0"	178 SF	
EIGHTH FLOOR MEZZ	812M	BREAK	155 SF	51' - 11 1/2"	10' - 0"	520 SF	
EIGHTH FLOOR MEZZ	814M	STORAGE	297 SF	89' - 10 1/4"	10' - 0"	899 SF	
EIGHTH FLOOR MEZZ	816AM	TOILET	19 SF	17' - 9 1/4"	10' - 0"	178 SF	
EIGHTH FLOOR MEZZ	816M	BREAK	134 SF	49' - 5 3/4"	10' - 0"	495 SF	
EIGHTH FLOOR MEZZ	817AM	MECH	86 SF	40' - 2 3/4"	10' - 0"	402 SF	
EIGHTH FLOOR MEZZ	817BM	TOILET	29 SF	23' - 8"	10' - 0"	237 SF	
EIGHTH FLOOR MEZZ	817M	JURY	418 SF	87' - 1 1/2"	10' - 0"	871 SF	
EIGHTH FLOOR MEZZ	823M	CORRIDOR	91 SF	45' - 3 5/8"	10' - 0"	453 SF	
EIGHTH FLOOR MEZZ	824M	COR	50 SF	32' - 8 7/8"	10' - 0"	327 SF	
EIGHTH FLOOR MEZZ	825M	STOR	64 SF	39' - 2 3/4"	10' - 0"	392 SF	
EIGHTH FLOOR MEZZ	890M	CORRIDOR	106 SF	47' - 10 3/4"	10' - 0"	479 SF	
EIGHTH FLOOR MEZZ	891AM	STORAGE	187 SF	92' - 7 1/8"	10' - 0"	926 SF	
EIGHTH FLOOR MEZZ	891M	CONFERENCE ROOM	504 SF	90' - 2 7/8"	10' - 0"	902 SF	
EIGHTH FLOOR MEZZ	892M	WOMENS	92 SF	42' - 2"	10' - 0"	422 SF	
EIGHTH FLOOR MEZZ	893M	MECH	52 SF	37' - 9 1/4"	10' - 0"	378 SF	
Grand total: 29			4513 SF	1471' - 2 3/8"		14712 SF	

SPACE SCHEDULE - 081 EIGHTH FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR MEZZ	823M	CORRIDOR	91 SF	45' - 3 5/8"	10' - 0"	453 SF	
EIGHTH FLOOR MEZZ	824M	COR	50 SF	32' - 8 7/8"	10' - 0"	327 SF	
EIGHTH FLOOR MEZZ	825M	STOR	64 SF	39' - 2 3/4"	10' - 0"	392 SF	
Grand total: 3			205 SF	117' - 3 1/4"		1173 SF	

SPACE SCHEDULE - 081 EIGHTH FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 081 EIGHTH FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 081 EIGHTH FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR MEZZ	890M	CORRIDOR	106 SF	47' - 10 3/4"	10' - 0"	479 SF	
EIGHTH FLOOR MEZZ	891AM	STORAGE	187 SF	92' - 7 1/8"	10' - 0"	926 SF	
EIGHTH FLOOR MEZZ	891M	CONFERENCE ROOM	504 SF	90' - 2 7/8"	10' - 0"	902 SF	
EIGHTH FLOOR MEZZ	892M	WOMENS	92 SF	42' - 2"	10' - 0"	422 SF	
EIGHTH FLOOR MEZZ	893M	MECH	52 SF	37' - 9 1/4"	10' - 0"	378 SF	
Grand total: 5			941 SF	310' - 8"		3107 SF	

SPACE SCHEDULE - 081 EIGHTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
EIGHTH FLOOR MEZZ	S801M	STAIR	164 SF	62' - 6"	10' - 0"	625 SF	
EIGHTH FLOOR MEZZ	S802M	STAIR	162 SF	62' - 6"	10' - 0"	625 SF	
EIGHTH FLOOR MEZZ	S803M	STAIR	110 SF	48' - 3 3/4"	10' - 0"	483 SF	
EIGHTH FLOOR MEZZ	S860M	STAIR	69 SF	49' - 10 1/2"	10' - 0"	499 SF	
EIGHTH FLOOR MEZZ	S880M	STAIR	65 SF	48' - 6"	10' - 0"	485 SF	
Grand total: 5			570 SF	271' - 8 1/8"		2717 SF	

8' 0 8' 16'

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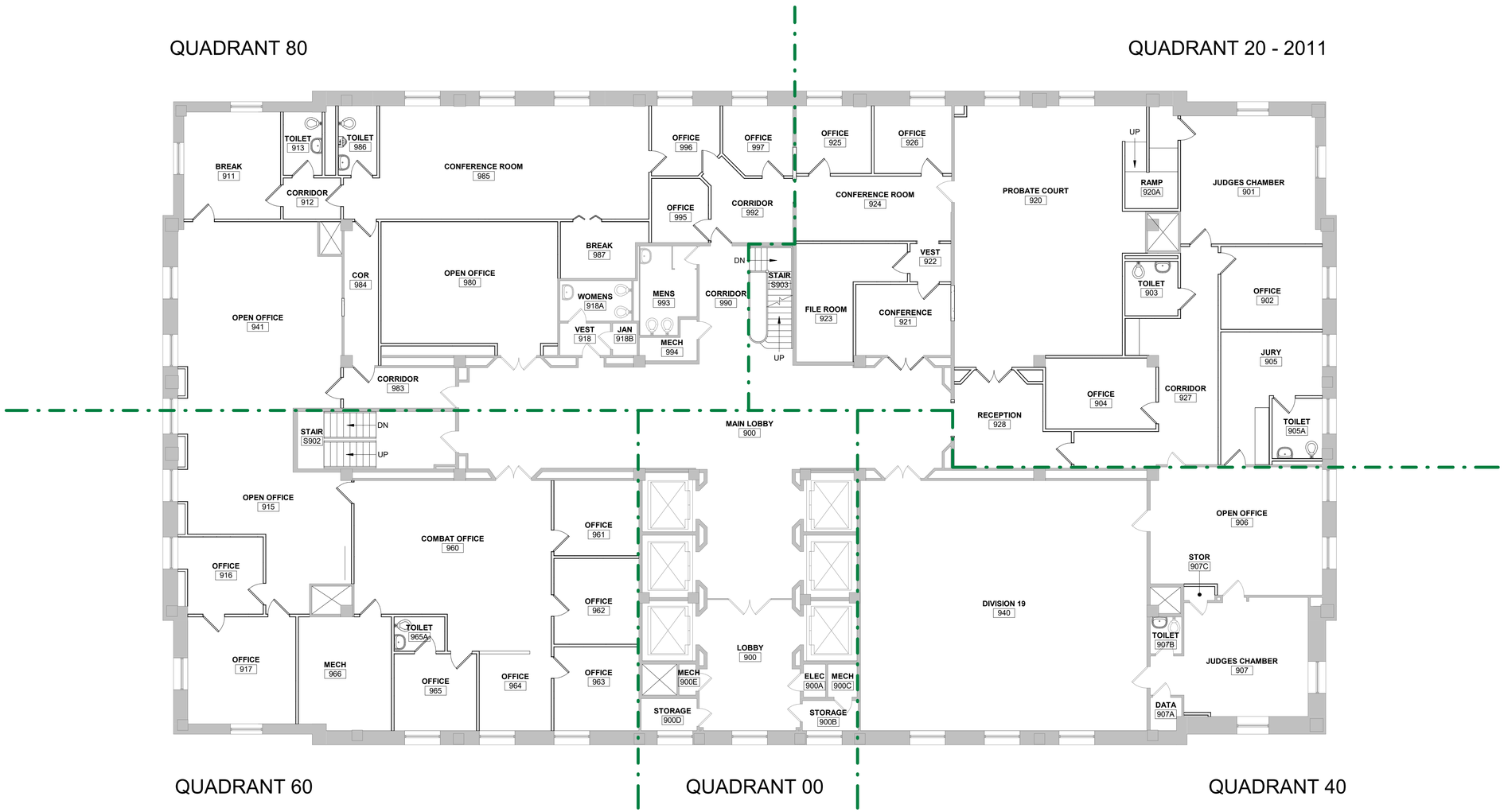
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EIGHTH FLOOR MEZZ SCHEDULES

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1 A090 NINTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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NINTH FLOOR PLAN

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SPACE SCHEDULE - 090 NINTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
NINTH FLOOR	900	MAIN LOBBY	1267 SF	214' - 7 1/4"	10' - 0"	2146 SF	
NINTH FLOOR	900	LOBBY	250 SF	67' - 1 1/8"	10' - 0"	671 SF	
NINTH FLOOR	900A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
NINTH FLOOR	900B	STORAGE	33 SF	24' - 1 3/8"	10' - 0"	241 SF	
NINTH FLOOR	900C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
NINTH FLOOR	900D	STORAGE	36 SF	24' - 8"	10' - 0"	247 SF	
NINTH FLOOR	900E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
NINTH FLOOR	901	JUDGES CHAMBER	343 SF	75' - 9 3/4"	10' - 0"	758 SF	
NINTH FLOOR	902	OFFICE	166 SF	51' - 8 3/4"	10' - 0"	517 SF	
NINTH FLOOR	903	TOILET	57 SF	30' - 0 7/8"	10' - 0"	301 SF	
NINTH FLOOR	904	OFFICE	152 SF	50' - 10"	10' - 0"	508 SF	
NINTH FLOOR	905	JURY	193 SF	65' - 10 1/4"	10' - 0"	659 SF	
NINTH FLOOR	905A	TOILET	59 SF	30' - 11 5/8"	10' - 0"	310 SF	
NINTH FLOOR	906	OPEN OFFICE	418 SF	84' - 4 1/2"	10' - 0"	844 SF	
NINTH FLOOR	907	JUDGES CHAMBER	312 SF	79' - 0"	10' - 0"	790 SF	
NINTH FLOOR	907A	DATA	20 SF	18' - 1 3/4"	10' - 0"	181 SF	
NINTH FLOOR	907B	TOILET	23 SF	19' - 1 3/4"	10' - 0"	191 SF	
NINTH FLOOR	907C	STOR	8 SF	12' - 5 1/2"	10' - 0"	125 SF	
NINTH FLOOR	911	BREAK	204 SF	57' - 3"	10' - 0"	573 SF	
NINTH FLOOR	912	CORRIDOR	46 SF	27' - 7 1/4"	10' - 0"	276 SF	
NINTH FLOOR	913	TOILET	48 SF	28' - 7 3/4"	10' - 0"	286 SF	
NINTH FLOOR	915	OPEN OFFICE	378 SF	97' - 2 1/8"	10' - 0"	972 SF	
NINTH FLOOR	916	OFFICE	121 SF	45' - 7 1/2"	10' - 0"	456 SF	
NINTH FLOOR	917	OFFICE	228 SF	60' - 5"	10' - 0"	604 SF	
NINTH FLOOR	918	VEST	32 SF	23' - 2"	10' - 0"	232 SF	
NINTH FLOOR	918A	WOMENS	57 SF	31' - 6"	10' - 0"	315 SF	
NINTH FLOOR	918B	JAN	15 SF	15' - 10"	10' - 0"	158 SF	
Grand total: 27			4510 SF	1282' - 2 1/4"		12822 SF	

SPACE SCHEDULE - 090 NINTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
NINTH FLOOR	920	PROBATE COURT	863 SF	128' - 1 3/8"	10' - 0"	1281 SF	
NINTH FLOOR	920A	RAMP	103 SF	62' - 4 3/8"	10' - 0"	624 SF	
NINTH FLOOR	921	CONFERENCE	133 SF	46' - 7 1/2"	10' - 0"	466 SF	
NINTH FLOOR	922	VEST	30 SF	22' - 1 1/4"	10' - 0"	221 SF	
NINTH FLOOR	923	FILE ROOM	173 SF	64' - 4 3/4"	10' - 0"	644 SF	
NINTH FLOOR	924	CONFERENCE ROOM	198 SF	61' - 9 3/4"	10' - 0"	618 SF	
NINTH FLOOR	925	OFFICE	100 SF	40' - 5 1/4"	10' - 0"	404 SF	
NINTH FLOOR	926	OFFICE	103 SF	40' - 9"	10' - 0"	408 SF	
NINTH FLOOR	927	CORRIDOR	310 SF	112' - 2 1/2"	10' - 0"	1122 SF	
NINTH FLOOR	928	RECEPTION	182 SF	58' - 2 1/8"	10' - 0"	582 SF	
Grand total: 10			2196 SF	636' - 11 7/8"		6370 SF	

SPACE SCHEDULE - 090 NINTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
NINTH FLOOR	940	DIVISION 19	1417 SF	150' - 0 1/2"	10' - 0"	1500 SF	
NINTH FLOOR	941	OPEN OFFICE	655 SF	110' - 9 3/8"	10' - 0"	1108 SF	
Grand total: 2			2072 SF	260' - 9 7/8"		2608 SF	

SPACE SCHEDULE - 090 NINTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
NINTH FLOOR	960	COMBAT OFFICE	597 SF	114' - 5 3/8"	10' - 0"	1144 SF	
NINTH FLOOR	961	OFFICE	126 SF	44' - 11 1/2"	10' - 0"	450 SF	
NINTH FLOOR	962	OFFICE	143 SF	47' - 11"	10' - 0"	479 SF	
NINTH FLOOR	963	OFFICE	141 SF	47' - 4 1/2"	10' - 0"	474 SF	
NINTH FLOOR	964	OFFICE	110 SF	42' - 2 1/8"	10' - 0"	422 SF	
NINTH FLOOR	965	OFFICE	125 SF	43' - 10 1/2"	10' - 0"	439 SF	
NINTH FLOOR	965A	TOILET	34 SF	23' - 9 1/4"	10' - 0"	238 SF	
NINTH FLOOR	966	MECH	205 SF	58' - 3 1/4"	10' - 0"	583 SF	
Grand total: 8			1480 SF	422' - 9 1/2"		4228 SF	

SPACE SCHEDULE - 090 NINTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
NINTH FLOOR	980	OPEN OFFICE	434 SF	87' - 2"	10' - 0"	872 SF	
NINTH FLOOR	983	CORRIDOR	89 SF	42' - 9 1/2"	10' - 0"	428 SF	
NINTH FLOOR	984	COR	94 SF	49' - 11 3/4"	10' - 0"	500 SF	
NINTH FLOOR	985	CONFERENCE ROOM	631 SF	117' - 11 3/4"	10' - 0"	1180 SF	
NINTH FLOOR	986	TOILET	53 SF	30' - 3 3/4"	10' - 0"	303 SF	
NINTH FLOOR	987	BREAK	89 SF	40' - 8 1/2"	10' - 0"	407 SF	
NINTH FLOOR	990	CORRIDOR	116 SF	46' - 11"	10' - 0"	469 SF	
NINTH FLOOR	992	CORRIDOR	114 SF	45' - 8 1/8"	10' - 0"	457 SF	
NINTH FLOOR	993	MENS	93 SF	47' - 6 1/2"	10' - 0"	475 SF	
NINTH FLOOR	994	MECH	32 SF	27' - 9"	10' - 0"	278 SF	
NINTH FLOOR	995	OFFICE	71 SF	33' - 2 5/8"	10' - 0"	332 SF	
NINTH FLOOR	996	OFFICE	90 SF	37' - 0 5/8"	10' - 0"	371 SF	
NINTH FLOOR	997	OFFICE	92 SF	37' - 5 3/4"	10' - 0"	375 SF	
Grand total: 13			1996 SF	644' - 6 7/8"		6446 SF	

SPACE SCHEDULE - 090 NINTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
NINTH FLOOR	S902	STAIR	176 SF	60' - 4 3/4"	10' - 0"	604 SF	
NINTH FLOOR	S903	STAIR	99 SF	44' - 10 1/2"	10' - 0"	449 SF	
Grand total: 2			276 SF	105' - 3 1/4"		1053 SF	

8' 0 8' 16'

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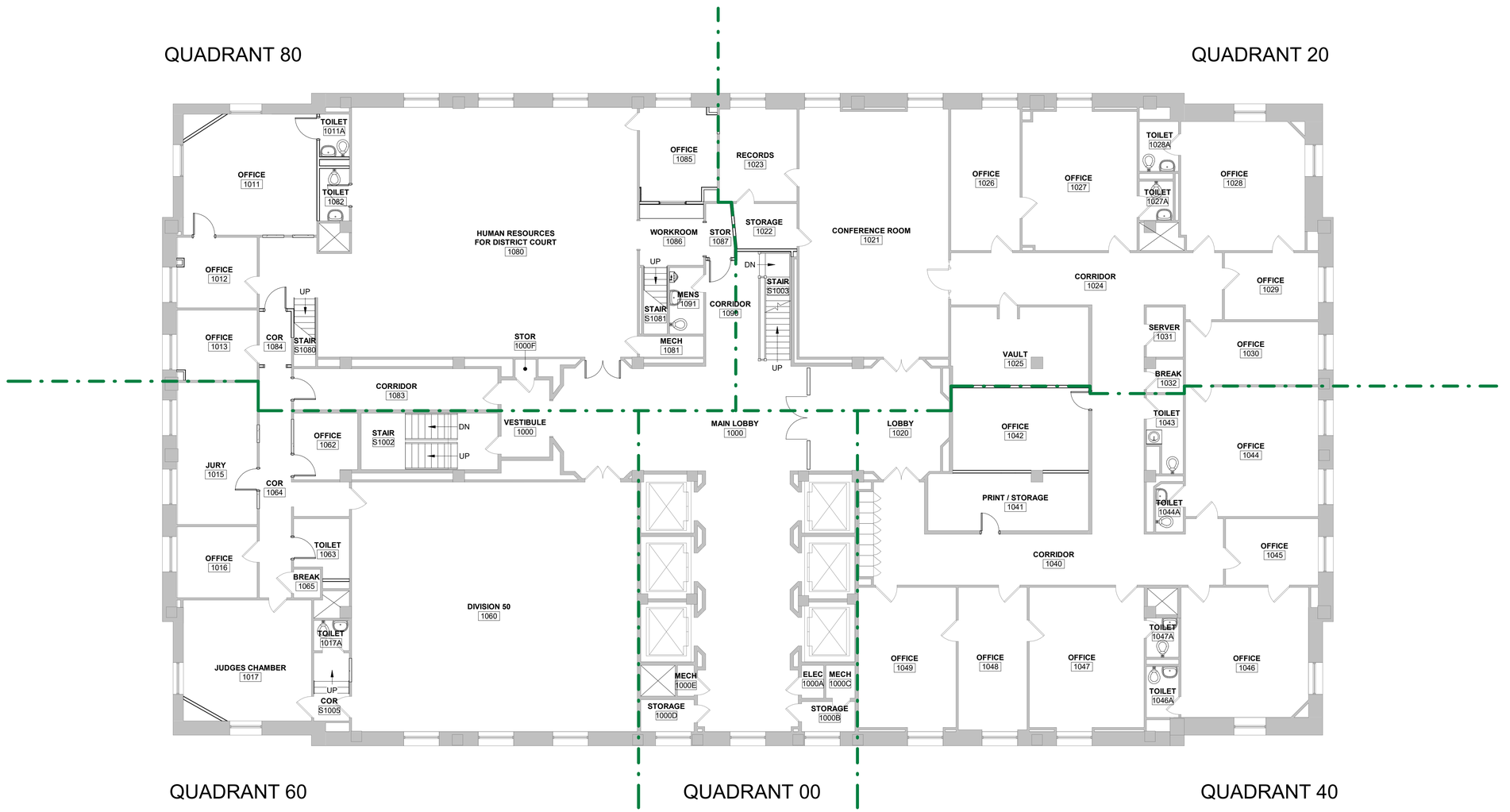
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NINTH FLOOR SCHEDULES

A090-S

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1 A100 TENTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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TENTH FLOOR PLAN

A100

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SPACE SCHEDULE - 100 TENTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR	1000	MAIN LOBBY	1025 SF	185' - 11 1/4"	10' - 0"	1859 SF	
TENTH FLOOR	1000	VESTIBULE	74 SF	35' - 3 1/4"	10' - 0"	353 SF	
TENTH FLOOR	1000A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
TENTH FLOOR	1000B	STORAGE	32 SF	23' - 5 3/8"	10' - 0"	234 SF	
TENTH FLOOR	1000C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
TENTH FLOOR	1000D	STORAGE	34 SF	24' - 0"	10' - 0"	240 SF	
TENTH FLOOR	1000E	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
TENTH FLOOR	1000F	STOR	8 SF	11' - 0 3/8"	10' - 0"	110 SF	
TENTH FLOOR	1011	OFFICE	308 SF	68' - 9 7/8"	10' - 0"	688 SF	
TENTH FLOOR	1011A	TOILET	25 SF	20' - 4 1/4"	10' - 0"	204 SF	
TENTH FLOOR	1012	OFFICE	111 SF	44' - 8"	10' - 0"	447 SF	
TENTH FLOOR	1013	OFFICE	110 SF	42' - 5"	10' - 0"	424 SF	
TENTH FLOOR	1015	JURY	226 SF	63' - 1"	10' - 0"	631 SF	
TENTH FLOOR	1016	OFFICE	113 SF	42' - 8"	10' - 0"	427 SF	
TENTH FLOOR	1017	JUDGES CHAMBER	297 SF	69' - 5 7/8"	10' - 0"	695 SF	
TENTH FLOOR	1017A	TOILET	21 SF	18' - 6"	10' - 0"	185 SF	
Grand total: 16			2426 SF	695' - 9 1/2"		6958 SF	

SPACE SCHEDULE - 100 TENTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR	1020	LOBBY	295 SF	70' - 0 7/8"	10' - 0"	701 SF	
TENTH FLOOR	1021	CONFERENCE ROOM	734 SF	113' - 7 1/2"	10' - 0"	1136 SF	
TENTH FLOOR	1022	STORAGE	55 SF	30' - 1 1/8"	10' - 0"	301 SF	
TENTH FLOOR	1023	RECORDS	143 SF	48' - 3 1/2"	10' - 0"	483 SF	
TENTH FLOOR	1024	CORRIDOR	414 SF	128' - 11"	10' - 0"	1289 SF	
TENTH FLOOR	1025	VAULT	209 SF	67' - 5 1/4"	10' - 0"	674 SF	
TENTH FLOOR	1026	OFFICE	195 SF	59' - 9 1/2"	10' - 0"	598 SF	
TENTH FLOOR	1027	OFFICE	316 SF	72' - 8"	10' - 0"	727 SF	
TENTH FLOOR	1027A	TOILET	26 SF	20' - 6"	10' - 0"	205 SF	
TENTH FLOOR	1028	OFFICE	313 SF	69' - 10 3/8"	10' - 0"	699 SF	
TENTH FLOOR	1028A	TOILET	39 SF	25' - 0"	10' - 0"	250 SF	
TENTH FLOOR	1029	OFFICE	124 SF	45' - 3"	10' - 0"	453 SF	
TENTH FLOOR	1030	OFFICE	165 SF	55' - 1"	10' - 0"	551 SF	
TENTH FLOOR	1031	SERVER	36 SF	24' - 4 1/2"	10' - 0"	244 SF	
TENTH FLOOR	1032	BREAK	22 SF	19' - 8"	10' - 0"	197 SF	
Grand total: 15			3087 SF	850' - 7 5/8"		8506 SF	

SPACE SCHEDULE - 100 TENTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR	1040	CORRIDOR	557 SF	167' - 3"	10' - 0"	1673 SF	
TENTH FLOOR	1041	PRINT / STORAGE	181 SF	63' - 9 3/8"	10' - 0"	638 SF	
TENTH FLOOR	1042	OFFICE	222 SF	61' - 5 1/4"	10' - 0"	614 SF	
TENTH FLOOR	1043	TOILET	48 SF	32' - 7"	10' - 0"	326 SF	
TENTH FLOOR	1044	OFFICE	342 SF	73' - 9"	10' - 0"	738 SF	
TENTH FLOOR	1044A	TOILET	26 SF	20' - 10"	10' - 0"	208 SF	
TENTH FLOOR	1045	OFFICE	122 SF	44' - 9"	10' - 0"	448 SF	
TENTH FLOOR	1046	OFFICE	326 SF	71' - 1 3/8"	10' - 0"	711 SF	
TENTH FLOOR	1046A	TOILET	33 SF	23' - 5"	10' - 0"	234 SF	
TENTH FLOOR	1047	OFFICE	322 SF	73' - 0"	10' - 0"	730 SF	
TENTH FLOOR	1047A	TOILET	25 SF	20' - 1"	10' - 0"	201 SF	
TENTH FLOOR	1048	OFFICE	195 SF	60' - 0"	10' - 0"	600 SF	
TENTH FLOOR	1049	OFFICE	274 SF	68' - 2"	10' - 0"	682 SF	
Grand total: 13			2673 SF	780' - 2"		7802 SF	

SPACE SCHEDULE - 100 TENTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR	1060	DIVISION 50	1417 SF	150' - 0 1/2"	10' - 0"	1500 SF	
TENTH FLOOR	1062	OFFICE	81 SF	36' - 8 3/4"	10' - 0"	367 SF	
TENTH FLOOR	1063	TOILET	60 SF	32' - 7 1/4"	10' - 0"	326 SF	
TENTH FLOOR	1064	COR	185 SF	92' - 10 3/4"	10' - 0"	929 SF	
TENTH FLOOR	1065	BREAK	15 SF	15' - 6"	10' - 0"	155 SF	
Grand total: 5			1757 SF	327' - 9 1/4"		3278 SF	

SPACE SCHEDULE - 100 TENTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR	1080	HUMAN RESOURCES FOR DISTRICT COURT	1563 SF	184' - 5 3/4"	10' - 0"	1845 SF	
TENTH FLOOR	1081	MECH	26 SF	23' - 10"	10' - 0"	238 SF	
TENTH FLOOR	1082	TOILET	31 SF	23' - 1"	10' - 0"	231 SF	
TENTH FLOOR	1083	CORRIDOR	166 SF	69' - 0 1/4"	10' - 0"	690 SF	
TENTH FLOOR	1084	COR	34 SF	24' - 0"	10' - 0"	240 SF	
TENTH FLOOR	1085	OFFICE	138 SF	48' - 4"	10' - 0"	483 SF	
TENTH FLOOR	1086	WORKROOM	79 SF	35' - 10 1/4"	10' - 0"	359 SF	
TENTH FLOOR	1087	STOR	29 SF	22' - 7 5/8"	10' - 0"	226 SF	
TENTH FLOOR	1090	CORRIDOR	89 SF	43' - 7 3/8"	10' - 0"	436 SF	
TENTH FLOOR	1091	MENS	45 SF	28' - 3"	10' - 0"	283 SF	
Grand total: 10			2198 SF	503' - 1 1/4"		5031 SF	

SPACE SCHEDULE - 100 TENTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR	S1002	STAIR	153 SF	54' - 4 3/4"	10' - 0"	544 SF	
TENTH FLOOR	S1003	STAIR	96 SF	43' - 10 3/8"	10' - 0"	439 SF	
TENTH FLOOR	S1005	COR	48 SF	29' - 2"	10' - 0"	292 SF	
TENTH FLOOR	S1080	STAIR	29 SF	25' - 2 1/2"	10' - 0"	252 SF	
TENTH FLOOR	S1081	STAIR	31 SF	25' - 4"	10' - 0"	253 SF	
Grand total: 5			357 SF	177' - 11 5/8"		1780 SF	

8' 0 8' 16'

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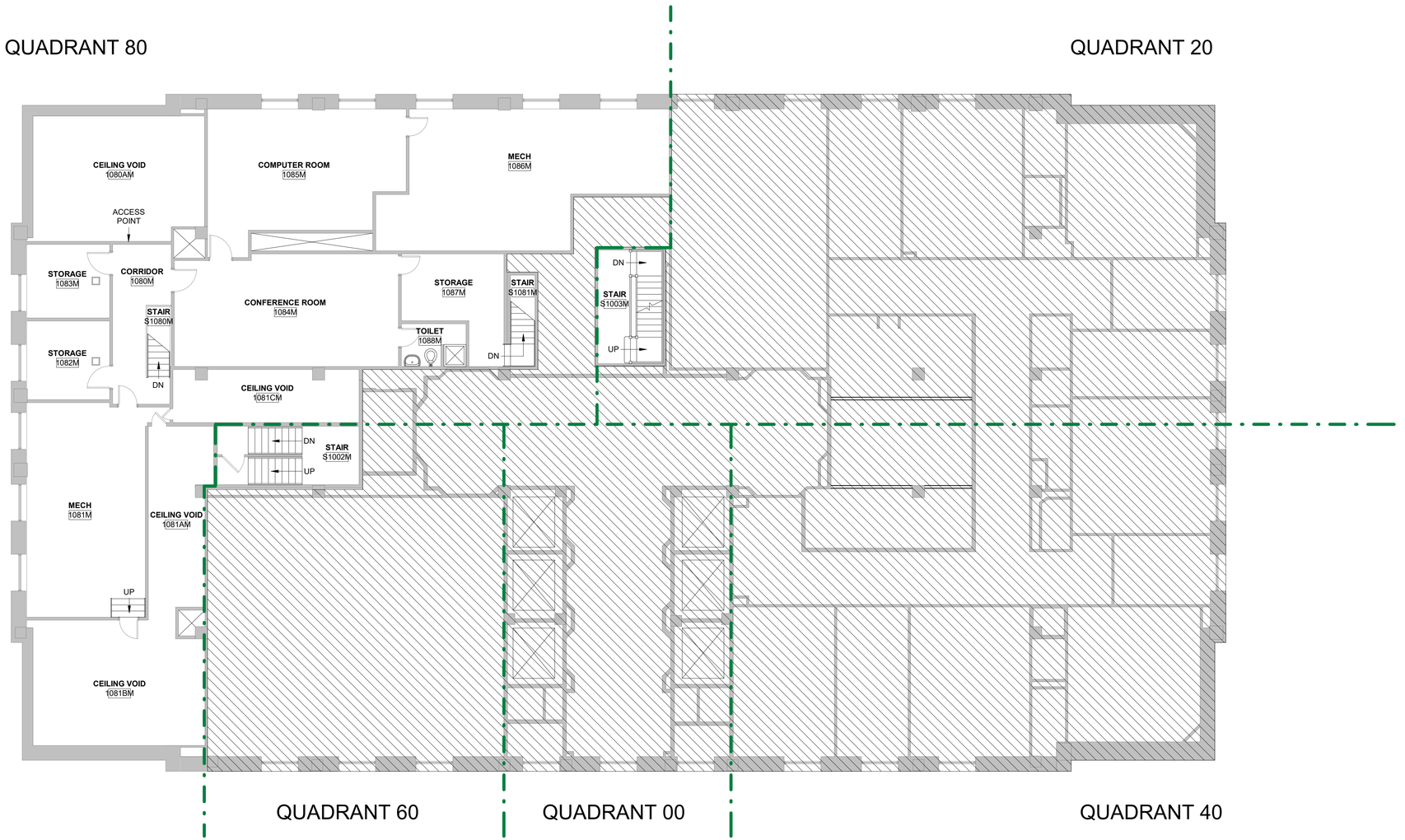
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TENTH FLOOR SCHEDULES

A100-S

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1 / A101 TENTH FLOOR PLAN MEZZ
1/8" = 1'-0"

8' 0 8' 16'

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TENTH FLOOR PLAN MEZZ

A101

SPACE SCHEDULE - 101 TENTH FLOOR MEZZ QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 101 TENTH FLOOR MEZZ QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 101 TENTH FLOOR MEZZ QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 101 TENTH FLOOR MEZZ QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 101 TENTH FLOOR MEZZ QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR MEZZ	1080AM	CEILING VOID	388 SF	80' - 8 1/4"	10' - 0"	807 SF	
TENTH FLOOR MEZZ	1080M	CORRIDOR	141 SF	65' - 5 3/4"	10' - 0"	655 SF	
TENTH FLOOR MEZZ	1081AM	CEILING VOID	202 SF	72' - 8 3/8"	10' - 0"	727 SF	
TENTH FLOOR MEZZ	1081BM	CEILING VOID	390 SF	83' - 1 7/8"	10' - 0"	832 SF	
TENTH FLOOR MEZZ	1081CM	CEILING VOID	177 SF	70' - 9 1/4"	10' - 0"	708 SF	
TENTH FLOOR MEZZ	1081M	MECH	476 SF	97' - 10"	10' - 0"	978 SF	
TENTH FLOOR MEZZ	1082M	STORAGE	120 SF	44' - 1 1/2"	10' - 0"	441 SF	
TENTH FLOOR MEZZ	1083M	STORAGE	113 SF	42' - 9"	10' - 0"	428 SF	
TENTH FLOOR MEZZ	1084M	CONFERENCE ROOM	457 SF	91' - 6 1/4"	10' - 0"	915 SF	
TENTH FLOOR MEZZ	1085M	COMPUTER ROOM	441 SF	94' - 8 1/2"	10' - 0"	947 SF	
TENTH FLOOR MEZZ	1086M	MECH	612 SF	118' - 7 3/4"	10' - 0"	1186 SF	
TENTH FLOOR MEZZ	1087M	STORAGE	156 SF	58' - 5 3/4"	10' - 0"	585 SF	
TENTH FLOOR MEZZ	1088M	TOILET	50 SF	35' - 2"	10' - 0"	352 SF	
Grand total: 13			3725 SF	956' - 0 1/4"		9560 SF	

SPACE SCHEDULE - 101 TENTH FLOOR MEZZ STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TENTH FLOOR MEZZ	S1002M	STAIR	149 SF	77' - 5 1/2"	10' - 0"	775 SF	
TENTH FLOOR MEZZ	S1003M	STAIR	136 SF	48' - 6 1/8"	10' - 0"	485 SF	
TENTH FLOOR MEZZ	S1080M	STAIR	31 SF	25' - 6 1/2"	10' - 0"	255 SF	
TENTH FLOOR MEZZ	S1081M	STAIR	44 SF	33' - 3"	10' - 0"	333 SF	
Grand total: 4			360 SF	184' - 9 1/8"		1848 SF	

8' 0 8' 16'

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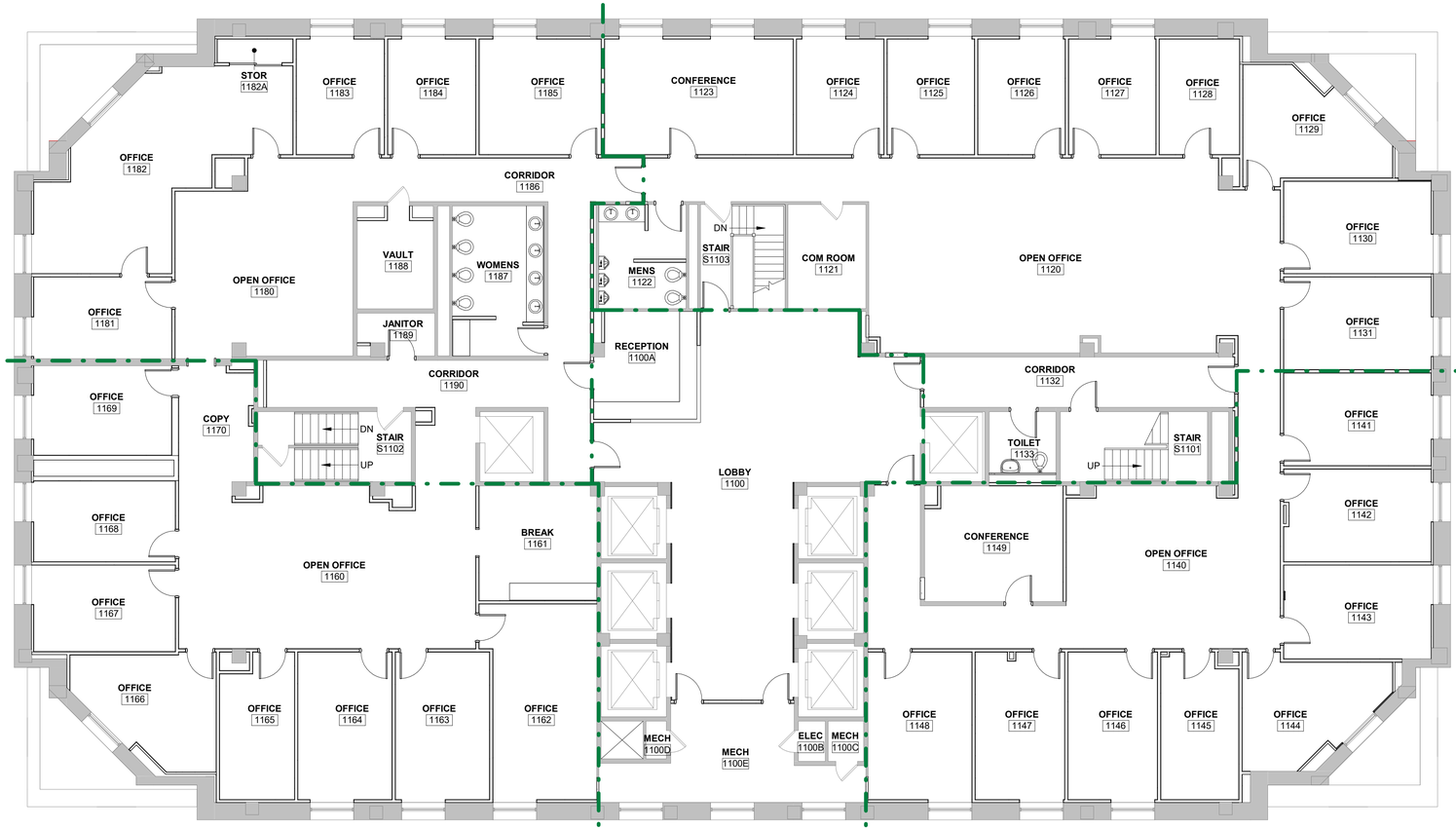
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TENTH FLOOR MEZZ SCHEDULES

A101-S

QUADRANT 80 - 1992

QUADRANT 20 - 1992



QUADRANT 60 - 1992

QUADRANT 00 - 2004

QUADRANT 40 - 1992

1 A110 ELEVENTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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ELEVENTH FLOOR PLAN

A110

SPACE SCHEDULE - 110 ELEVENTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ELEVENTH FLOOR PLAN	1100	LOBBY	898 SF	165' - 9 1/4"	10' - 0"	1658 SF	
ELEVENTH FLOOR PLAN	1100A	RECEPTION	141 SF	48' - 8 3/8"	10' - 0"	487 SF	
ELEVENTH FLOOR PLAN	1100B	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
ELEVENTH FLOOR PLAN	1100C	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
ELEVENTH FLOOR PLAN	1100D	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
ELEVENTH FLOOR PLAN	1100E	MECH	235 SF	82' - 4 3/4"	10' - 0"	824 SF	
Grand total: 6			1317 SF	342' - 11 5/8"		3430 SF	

SPACE SCHEDULE - 110 ELEVENTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ELEVENTH FLOOR PLAN	1120	OPEN OFFICE	1137 SF	194' - 7 1/4"	10' - 0"	1946 SF	
ELEVENTH FLOOR PLAN	1121	COM ROOM	107 SF	41' - 9 3/4"	10' - 0"	418 SF	
ELEVENTH FLOOR PLAN	1122	MENS	116 SF	61' - 10 3/4"	10' - 0"	619 SF	
ELEVENTH FLOOR PLAN	1123	CONFERENCE	290 SF	71' - 1 1/2"	10' - 0"	711 SF	
ELEVENTH FLOOR PLAN	1124	OFFICE	134 SF	47' - 2 1/4"	10' - 0"	472 SF	
ELEVENTH FLOOR PLAN	1125	OFFICE	134 SF	47' - 2 1/4"	10' - 0"	472 SF	
ELEVENTH FLOOR PLAN	1126	OFFICE	134 SF	50' - 3"	10' - 0"	503 SF	
ELEVENTH FLOOR PLAN	1127	OFFICE	134 SF	61' - 5"	10' - 0"	614 SF	
ELEVENTH FLOOR PLAN	1128	OFFICE	122 SF	44' - 11"	10' - 0"	449 SF	
ELEVENTH FLOOR PLAN	1129	OFFICE	177 SF	57' - 10 1/8"	10' - 0"	578 SF	
ELEVENTH FLOOR PLAN	1130	OFFICE	180 SF	65' - 6 1/4"	10' - 0"	655 SF	
ELEVENTH FLOOR PLAN	1131	OFFICE	181 SF	55' - 7"	10' - 0"	556 SF	
ELEVENTH FLOOR PLAN	1132	CORRIDOR	206 SF	82' - 11"	10' - 0"	829 SF	
ELEVENTH FLOOR PLAN	1133	TOILET	54 SF	29' - 5 1/4"	10' - 0"	294 SF	
Grand total: 14			3107 SF	911' - 8 3/8"		9117 SF	

SPACE SCHEDULE - 110 ELEVENTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ELEVENTH FLOOR PLAN	1140	OPEN OFFICE	728 SF	197' - 2 1/2"	10' - 0"	1972 SF	
ELEVENTH FLOOR PLAN	1141	OFFICE	181 SF	55' - 7"	10' - 0"	556 SF	
ELEVENTH FLOOR PLAN	1142	OFFICE	179 SF	56' - 10"	10' - 0"	568 SF	
ELEVENTH FLOOR PLAN	1143	OFFICE	183 SF	66' - 2 1/4"	10' - 0"	662 SF	
ELEVENTH FLOOR PLAN	1144	OFFICE	175 SF	57' - 7 7/8"	10' - 0"	577 SF	
ELEVENTH FLOOR PLAN	1145	OFFICE	146 SF	51' - 9"	10' - 0"	518 SF	
ELEVENTH FLOOR PLAN	1146	OFFICE	175 SF	55' - 0 1/4"	10' - 0"	550 SF	
ELEVENTH FLOOR PLAN	1147	OFFICE	175 SF	67' - 0"	10' - 0"	670 SF	
ELEVENTH FLOOR PLAN	1148	OFFICE	203 SF	69' - 4 3/4"	10' - 0"	694 SF	
ELEVENTH FLOOR PLAN	1149	CONFERENCE	206 SF	58' - 3 1/2"	10' - 0"	583 SF	
Grand total: 10			2350 SF	734' - 11 1/8"		7349 SF	

SPACE SCHEDULE - 110 ELEVENTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ELEVENTH FLOOR PLAN	1160	OPEN OFFICE	678 SF	134' - 2"	10' - 0"	1342 SF	
ELEVENTH FLOOR PLAN	1161	BREAK	177 SF	53' - 4 1/4"	10' - 0"	534 SF	
ELEVENTH FLOOR PLAN	1162	OFFICE	277 SF	83' - 7 1/2"	10' - 0"	836 SF	
ELEVENTH FLOOR PLAN	1163	OFFICE	184 SF	56' - 1 3/8"	10' - 0"	561 SF	
ELEVENTH FLOOR PLAN	1164	OFFICE	184 SF	56' - 1 3/8"	10' - 0"	561 SF	
ELEVENTH FLOOR PLAN	1165	OFFICE	136 SF	51' - 0 1/2"	10' - 0"	510 SF	
ELEVENTH FLOOR PLAN	1166	OFFICE	178 SF	56' - 4"	10' - 0"	563 SF	
ELEVENTH FLOOR PLAN	1167	OFFICE	162 SF	63' - 1 1/2"	10' - 0"	631 SF	
ELEVENTH FLOOR PLAN	1168	OFFICE	152 SF	53' - 8 3/4"	10' - 0"	537 SF	
ELEVENTH FLOOR PLAN	1169	OFFICE	164 SF	52' - 8"	10' - 0"	527 SF	
ELEVENTH FLOOR PLAN	1170	COPY	110 SF	44' - 11 3/4"	10' - 0"	450 SF	
Grand total: 11			2402 SF	705' - 2 7/8"		7052 SF	

SPACE SCHEDULE - 110 ELEVENTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ELEVENTH FLOOR PLAN	1180	OPEN OFFICE	436 SF	92' - 1"	10' - 0"	921 SF	
ELEVENTH FLOOR PLAN	1181	OFFICE	149 SF	50' - 10 3/4"	10' - 0"	509 SF	
ELEVENTH FLOOR PLAN	1182	OFFICE	436 SF	123' - 6 1/4"	10' - 0"	1235 SF	
ELEVENTH FLOOR PLAN	1182A	STOR	23 SF	22' - 8 1/2"	10' - 0"	227 SF	
ELEVENTH FLOOR PLAN	1183	OFFICE	135 SF	47' - 4 1/4"	10' - 0"	474 SF	
ELEVENTH FLOOR PLAN	1184	OFFICE	135 SF	47' - 4 1/4"	10' - 0"	474 SF	
ELEVENTH FLOOR PLAN	1185	OFFICE	187 SF	55' - 2"	10' - 0"	552 SF	
ELEVENTH FLOOR PLAN	1186	CORRIDOR	250 SF	111' - 1 3/8"	10' - 0"	1111 SF	
ELEVENTH FLOOR PLAN	1187	WOMENS	178 SF	70' - 3 1/2"	10' - 0"	703 SF	
ELEVENTH FLOOR PLAN	1188	VAULT	93 SF	41' - 1"	10' - 0"	411 SF	
ELEVENTH FLOOR PLAN	1189	JANITOR	39 SF	27' - 7 1/2"	10' - 0"	276 SF	
ELEVENTH FLOOR PLAN	1190	CORRIDOR	242 SF	101' - 11 3/8"	10' - 0"	1019 SF	
Grand total: 12			2304 SF	791' - 1 3/4"		7911 SF	

SPACE SCHEDULE - 110 ELEVENTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ELEVENTH FLOOR PLAN	S1101	STAIR	136 SF	49' - 10 1/2"	10' - 0"	499 SF	
ELEVENTH FLOOR PLAN	S1102	STAIR	138 SF	74' - 4"	10' - 0"	743 SF	
ELEVENTH FLOOR PLAN	S1103	STAIR	116 SF	43' - 3 3/4"	10' - 0"	433 SF	
Grand total: 3			389 SF	167' - 6 1/4"		1675 SF	

8' 0 8' 16'

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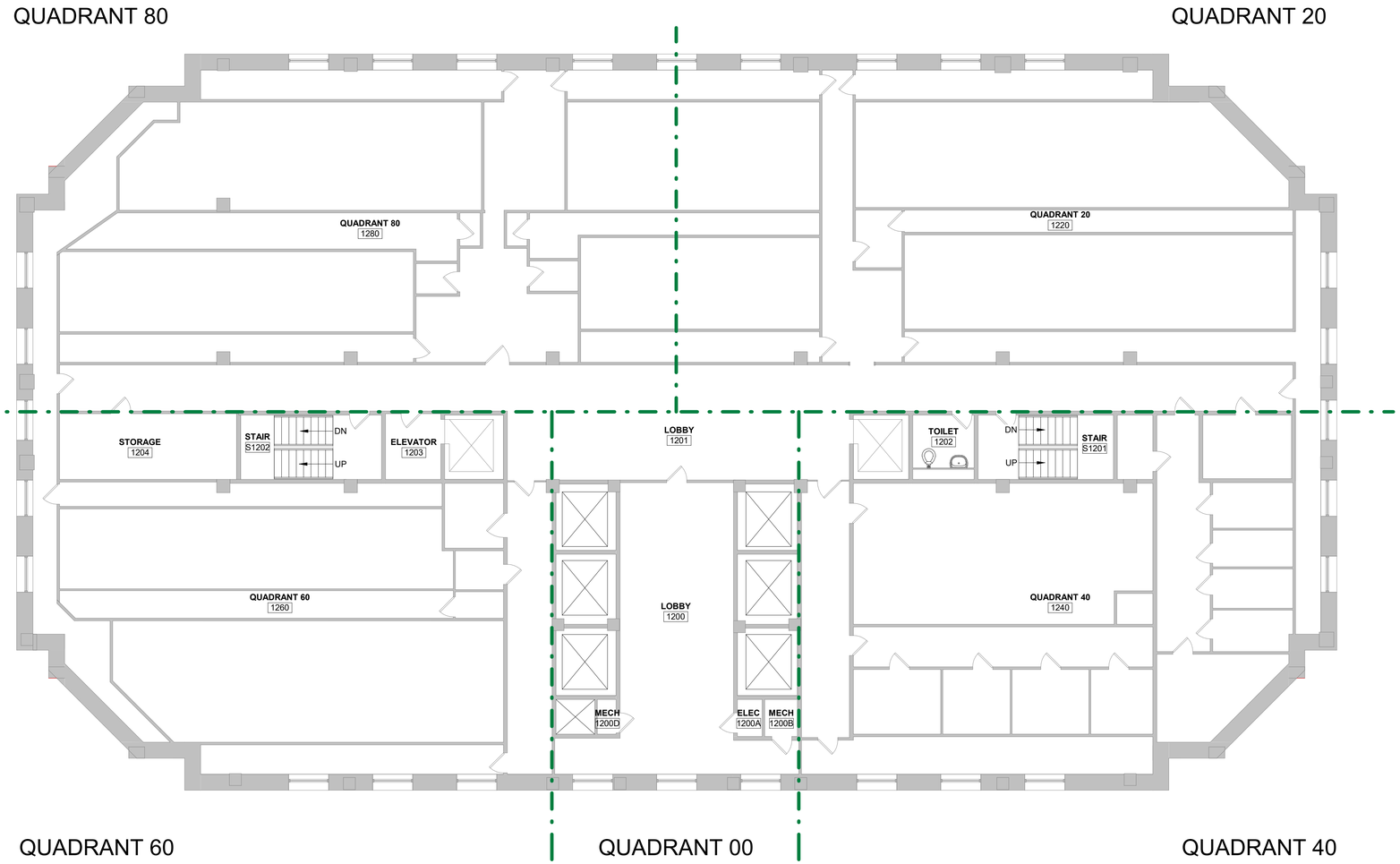
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ELEVENTH FLOOR SCHEDULES

A110-S

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1 / A120 TWELTH FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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TWELFTH FLOOR PLAN

A120

SPACE SCHEDULE - 120 TWELTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TWELTH FLOOR	1200	LOBBY	589 SF	132' - 2 1/2"	10' - 0"	1322 SF	
TWELTH FLOOR	1200A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
TWELTH FLOOR	1200B	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
TWELTH FLOOR	1200D	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
TWELTH FLOOR	1201	LOBBY	1256 SF	337' - 6"	10' - 0"	3375 SF	
TWELTH FLOOR	1202	TOILET	51 SF	28' - 6 3/4"	10' - 0"	286 SF	
TWELTH FLOOR	1203	ELEVATOR	57 SF	30' - 2 1/4"	10' - 0"	302 SF	
TWELTH FLOOR	1204	STORAGE	181 SF	60' - 7 3/4"	10' - 0"	606 SF	
Grand total: 8			2177 SF	635' - 2 1/2"		6352 SF	

SPACE SCHEDULE - 120 TWELTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TWELTH FLOOR	1220	QUADRANT 20	2746 SF	238' - 3 3/8"	10' - 0"	2383 SF	
Grand total: 1			2746 SF	238' - 3 3/8"		2383 SF	

SPACE SCHEDULE - 120 TWELTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TWELTH FLOOR	1240	QUADRANT 40	2407 SF	236' - 2 5/8"	10' - 0"	2362 SF	
Grand total: 1			2407 SF	236' - 2 5/8"		2362 SF	

SPACE SCHEDULE - 120 TWELTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TWELTH FLOOR	1260	QUADRANT 60	2199 SF	225' - 5 1/8"	10' - 0"	2254 SF	
Grand total: 1			2199 SF	225' - 5 1/8"		2254 SF	

SPACE SCHEDULE - 120 TWELTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TWELTH FLOOR	1280	QUADRANT 80	2761 SF	249' - 10 5/8"	10' - 0"	2499 SF	
Grand total: 1			2761 SF	249' - 10 5/8"		2499 SF	

SPACE SCHEDULE - 120 TWELTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
TWELTH FLOOR	S1201	STAIR	136 SF	49' - 10 1/2"	10' - 0"	499 SF	
TWELTH FLOOR	S1202	STAIR	141 SF	51' - 3 1/4"	10' - 0"	513 SF	
Grand total: 2			277 SF	101' - 1 3/4"		1011 SF	

8' 0 8' 16'

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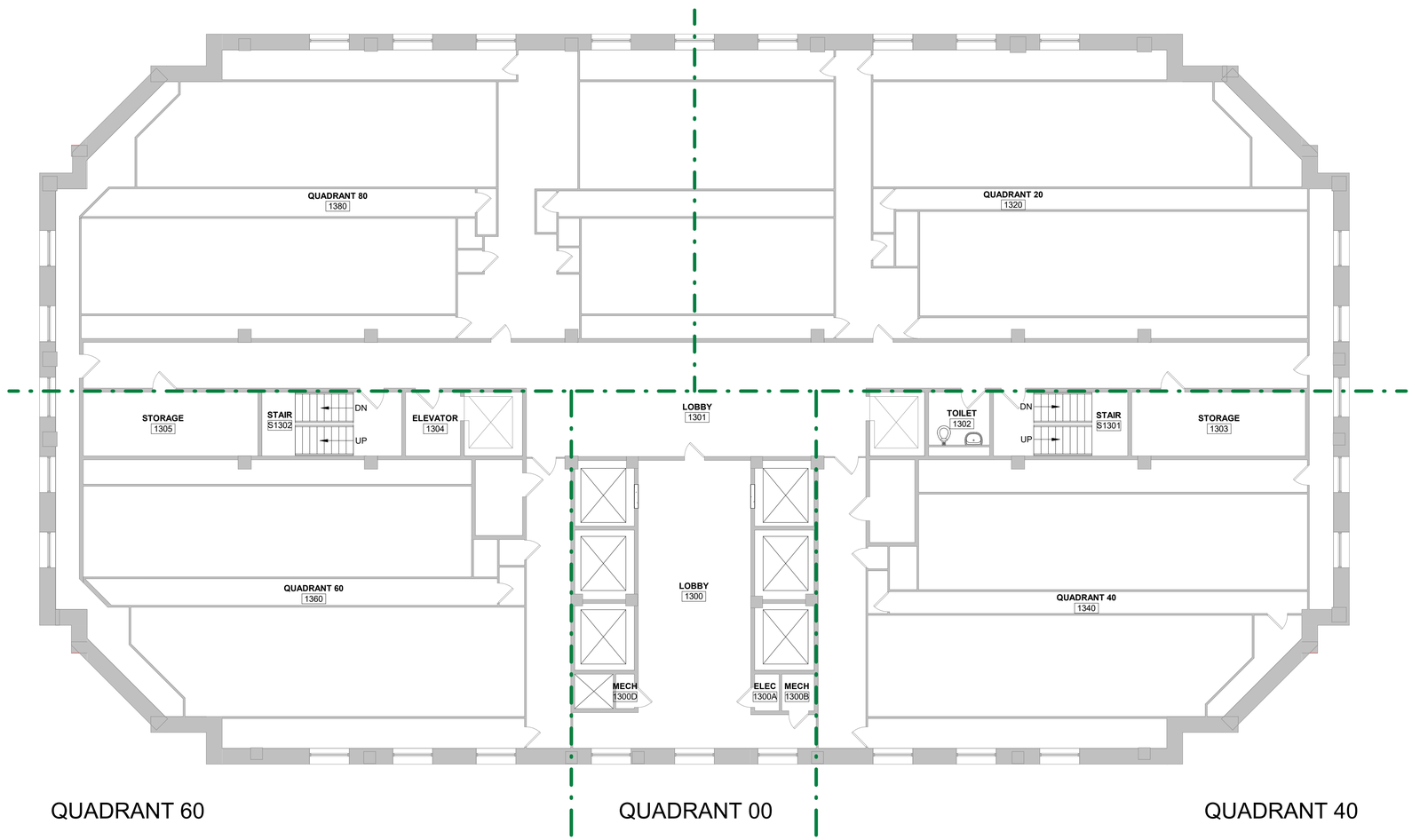
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TWELTH FLOOR SCHEDULES

A120-S



1 / A130 THIRTEENTH FLOOR PLAN
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8' 0 8' 16'

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THIRTEENTH FLOOR PLAN

A130

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SPACE SCHEDULE - 130 THIRTEENTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRTHENTH FLOOR	1300	LOBBY	587 SF	133' - 0 1/2"	10' - 0"	1330 SF	
THIRTHENTH FLOOR	1300A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
THIRTHENTH FLOOR	1300B	MECH	19 SF	17' - 4 5/8"	10' - 0"	174 SF	
THIRTHENTH FLOOR	1300D	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
THIRTHENTH FLOOR	1301	LOBBY	1253 SF	336' - 3"	10' - 0"	3363 SF	
THIRTHENTH FLOOR	1302	TOILET	51 SF	28' - 7 3/4"	10' - 0"	286 SF	
THIRTHENTH FLOOR	1303	STORAGE	176 SF	59' - 10"	10' - 0"	598 SF	
THIRTHENTH FLOOR	1304	ELEVATOR	55 SF	29' - 10 1/4"	10' - 0"	299 SF	
THIRTHENTH FLOOR	1305	STORAGE	179 SF	60' - 6 3/4"	10' - 0"	606 SF	
Grand total: 9			2344 SF	694' - 3 1/2"		6943 SF	

SPACE SCHEDULE - 130 THIRTEENTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRTHENTH FLOOR	1320	QUADRANT 20	2766 SF	254' - 3 7/8"	10' - 0"	2543 SF	
Grand total: 1			2766 SF	254' - 3 7/8"		2543 SF	

SPACE SCHEDULE - 130 THIRTEENTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRTHENTH FLOOR	1340	QUADRANT 40	2194 SF	216' - 7 7/8"	10' - 0"	2167 SF	
Grand total: 1			2194 SF	216' - 7 7/8"		2167 SF	

SPACE SCHEDULE - 130 THIRTEENTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRTHENTH FLOOR	1360	QUADRANT 60	2199 SF	219' - 1 1/8"	10' - 0"	2191 SF	
Grand total: 1			2199 SF	219' - 1 1/8"		2191 SF	

SPACE SCHEDULE - 130 THIRTEENTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRTHENTH FLOOR	1380	QUADRANT 80	2752 SF	248' - 11 3/4"	10' - 0"	2490 SF	
Grand total: 1			2752 SF	248' - 11 3/4"		2490 SF	

SPACE SCHEDULE - 130 THIRTEENTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
THIRTHENTH FLOOR	S1301	STAIR	136 SF	49' - 10 1/2"	10' - 0"	499 SF	
THIRTHENTH FLOOR	S1302	STAIR	141 SF	51' - 3 1/4"	10' - 0"	513 SF	
Grand total: 2			277 SF	101' - 1 3/4"		1011 SF	

8' 0 8' 16'

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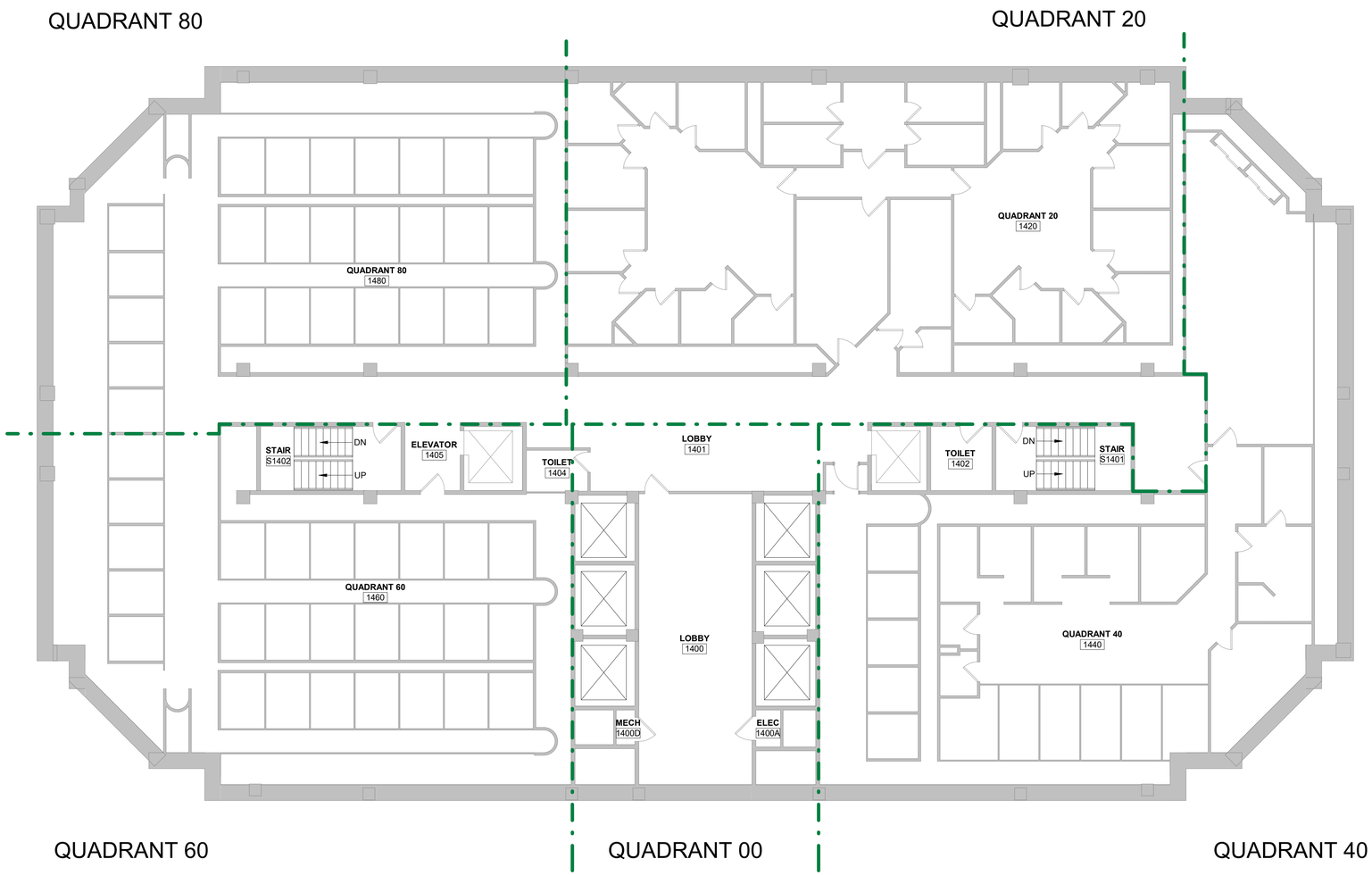
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THIRTEENTH FLOOR SCHEDULES

A130-S



1 A140 FOURTEENTH FLOOR PLAN
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8' 0 8' 16'

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FOURTEENTH FLOOR PLAN

A140

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SPACE SCHEDULE - 140 FOURTEENTH FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTEENTH FLOOR	1400	LOBBY	517 SF	101' - 2 1/2"	10' - 0"	1012 SF	
FOURTEENTH FLOOR	1400A	ELEC	14 SF	15' - 4 5/8"	10' - 0"	154 SF	
FOURTEENTH FLOOR	1400D	MECH	10 SF	13' - 4"	10' - 0"	133 SF	
FOURTEENTH FLOOR	1401	LOBBY	1122 SF	299' - 11 3/4"	10' - 0"	3000 SF	
FOURTEENTH FLOOR	1402	TOILET	62 SF	31' - 4 3/4"	10' - 0"	314 SF	
FOURTEENTH FLOOR	1404	TOILET	40 SF	25' - 11"	10' - 0"	259 SF	
FOURTEENTH FLOOR	1405	ELEVATOR	59 SF	30' - 10 1/4"	10' - 0"	309 SF	
Grand total: 7			1823 SF	518' - 0 7/8"		5181 SF	

SPACE SCHEDULE - 140 FOURTEENTH FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTEENTH FLOOR	1420	QUADRANT 20	2704 SF	243' - 6 3/8"	10' - 0"	2435 SF	
Grand total: 1			2704 SF	243' - 6 3/8"		2435 SF	

SPACE SCHEDULE - 140 FOURTEENTH FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTEENTH FLOOR	1440	QUADRANT 40	2993 SF	336' - 5"	10' - 0"	3364 SF	
Grand total: 1			2993 SF	336' - 5"		3364 SF	

SPACE SCHEDULE - 140 FOURTEENTH FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTEENTH FLOOR	1460	QUADRANT 60	2397 SF	224' - 7 1/8"	10' - 0"	2246 SF	
Grand total: 1			2397 SF	224' - 7 1/8"		2246 SF	

SPACE SCHEDULE - 140 FOURTEENTH FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTEENTH FLOOR	1480	QUADRANT 80	2271 SF	221' - 6 3/8"	10' - 0"	2215 SF	
Grand total: 1			2271 SF	221' - 6 3/8"		2215 SF	

SPACE SCHEDULE - 140 FOURTEENTH FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
FOURTEENTH FLOOR	S1401	STAIR	136 SF	49' - 10 1/2"	10' - 0"	499 SF	
FOURTEENTH FLOOR	S1402	STAIR	141 SF	51' - 3 1/4"	10' - 0"	513 SF	
Grand total: 2			277 SF	101' - 1 3/4"		1011 SF	

8' 0 8' 16'

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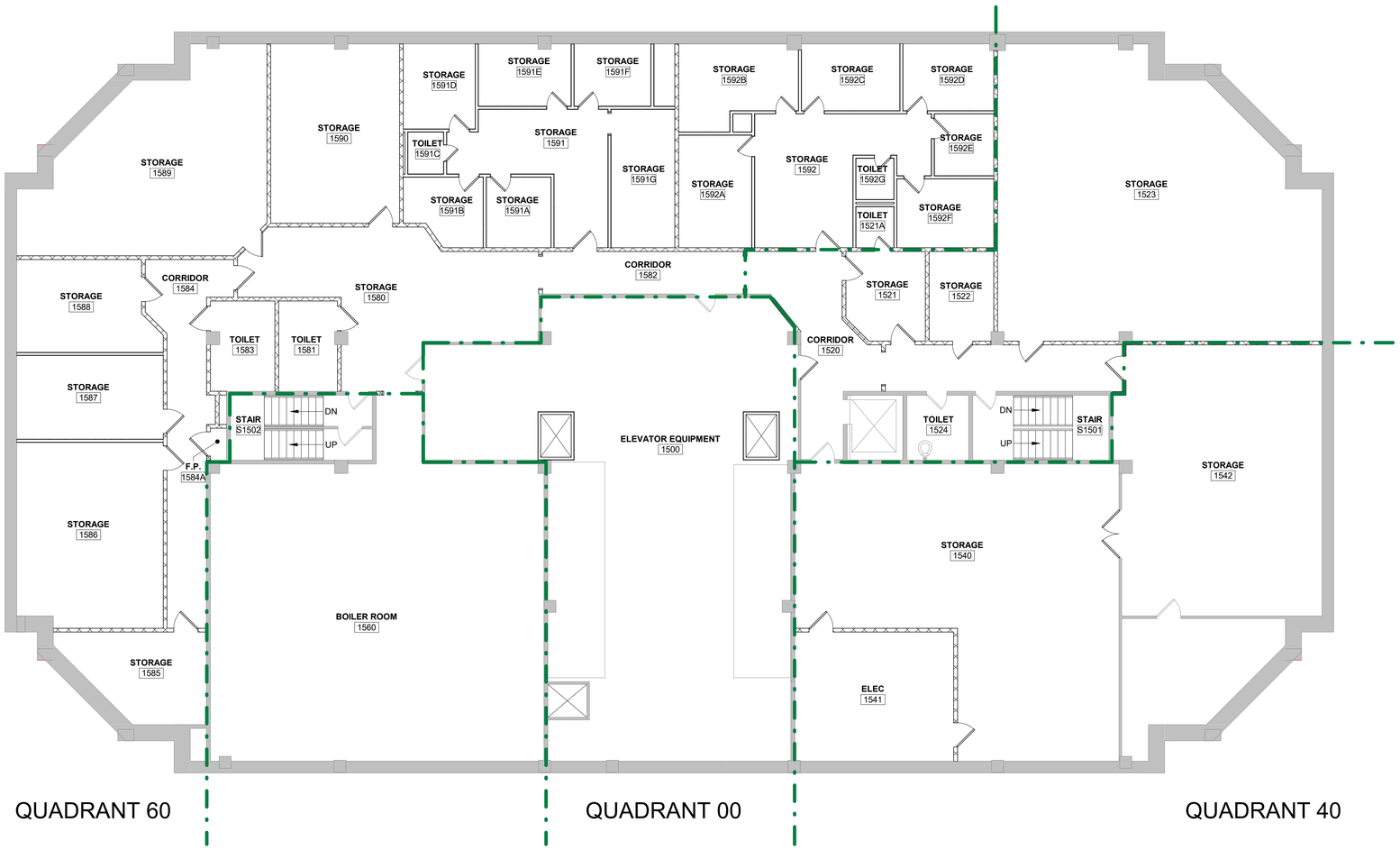
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FOURTEENTH FLOOR SCHEDULES

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1 / A150 PENT HOUSE FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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PENTHOUSE FLOOR PLAN

A150

SPACE SCHEDULE - 150 PENTHOUSE FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
PENT HOUSE FLOOR	1500	ELEVATOR EQUIPMENT	1881 SF	244' - 2 5/8"	10' - 0"	2442 SF	
Grand total: 1			1881 SF	244' - 2 5/8"		2442 SF	

SPACE SCHEDULE - 150 PENTHOUSE FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
PENT HOUSE FLOOR	1520	CORRIDOR	383 SF	140' - 7 1/4"	10' - 0"	1406 SF	
PENT HOUSE FLOOR	1521	STORAGE	106 SF	40' - 3 1/2"	10' - 0"	403 SF	
PENT HOUSE FLOOR	1521A	TOILET	24 SF	19' - 6 3/8"	10' - 0"	195 SF	
PENT HOUSE FLOOR	1522	STORAGE	89 SF	38' - 3 3/4"	10' - 0"	383 SF	
PENT HOUSE FLOOR	1523	STORAGE	1275 SF	152' - 7 7/8"	10' - 0"	1527 SF	
PENT HOUSE FLOOR	1524	TOILET	62 SF	31' - 4 3/4"	10' - 0"	314 SF	
Grand total: 6			1938 SF	422' - 9 1/2"		4228 SF	

SPACE SCHEDULE - 150 PENTHOUSE FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
PENT HOUSE FLOOR	1540	STORAGE	1149 SF	157' - 0 1/2"	10' - 0"	1570 SF	
PENT HOUSE FLOOR	1541	ELEC	316 SF	71' - 6 1/2"	10' - 0"	715 SF	
PENT HOUSE FLOOR	1542	STORAGE	840 SF	121' - 10 3/4"	10' - 0"	1219 SF	
Grand total: 3			2306 SF	350' - 5 3/4"		3505 SF	

SPACE SCHEDULE - 150 PENTHOUSE FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
PENT HOUSE FLOOR	1560	BOILER ROOM	1572 SF	177' - 7"	10' - 0"	1776 SF	
Grand total: 1			1572 SF	177' - 7"		1776 SF	

SPACE SCHEDULE - 150 PENTHOUSE FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
PENT HOUSE FLOOR	1580	STORAGE	475 SF	113' - 6 7/8"	10' - 0"	1136 SF	
PENT HOUSE FLOOR	1581	TOILET	81 SF	37' - 8 7/8"	10' - 0"	377 SF	
PENT HOUSE FLOOR	1582	CORRIDOR	131 SF	60' - 4 1/2"	10' - 0"	604 SF	
PENT HOUSE FLOOR	1583	TOILET	88 SF	40' - 9 3/8"	10' - 0"	408 SF	
PENT HOUSE FLOOR	1584	CORRIDOR	265 SF	114' - 1 1/4"	10' - 0"	1141 SF	
PENT HOUSE FLOOR	1584A	F.P.	8 SF	11' - 10 5/8"	10' - 0"	119 SF	
PENT HOUSE FLOOR	1585	STORAGE	170 SF	55' - 2 7/8"	10' - 0"	552 SF	
PENT HOUSE FLOOR	1586	STORAGE	413 SF	82' - 6 1/4"	10' - 0"	825 SF	
PENT HOUSE FLOOR	1587	STORAGE	189 SF	57' - 1 1/4"	10' - 0"	571 SF	
PENT HOUSE FLOOR	1588	STORAGE	188 SF	57' - 10 3/8"	10' - 0"	579 SF	
PENT HOUSE FLOOR	1589	STORAGE	601 SF	107' - 10 1/2"	10' - 0"	1079 SF	
PENT HOUSE FLOOR	1590	STORAGE	356 SF	78' - 0 1/4"	10' - 0"	780 SF	
PENT HOUSE FLOOR	1591	STORAGE	210 SF	74' - 4"	10' - 0"	743 SF	
PENT HOUSE FLOOR	1591A	STORAGE	70 SF	33' - 6"	10' - 0"	335 SF	
PENT HOUSE FLOOR	1591B	STORAGE	75 SF	35' - 10 1/2"	10' - 0"	359 SF	
PENT HOUSE FLOOR	1591C	TOILET	23 SF	19' - 2 1/2"	10' - 0"	192 SF	
PENT HOUSE FLOOR	1591D	STORAGE	94 SF	39' - 0"	10' - 0"	390 SF	
PENT HOUSE FLOOR	1591E	STORAGE	88 SF	39' - 11 1/4"	10' - 0"	399 SF	
PENT HOUSE FLOOR	1591F	STORAGE	74 SF	33' - 5"	10' - 0"	345 SF	
PENT HOUSE FLOOR	1591G	STORAGE	136 SF	50' - 2"	10' - 0"	502 SF	
PENT HOUSE FLOOR	1592	STORAGE	263 SF	82' - 1 5/8"	10' - 0"	821 SF	
PENT HOUSE FLOOR	1592A	STORAGE	127 SF	46' - 0 5/8"	10' - 0"	461 SF	
PENT HOUSE FLOOR	1592B	STORAGE	139 SF	51' - 7 7/8"	10' - 0"	517 SF	
PENT HOUSE FLOOR	1592C	STORAGE	101 SF	41' - 0 1/4"	10' - 0"	410 SF	
PENT HOUSE FLOOR	1592D	STORAGE	93 SF	39' - 2"	10' - 0"	392 SF	
PENT HOUSE FLOOR	1592E	STORAGE	56 SF	30' - 0 5/8"	10' - 0"	301 SF	
PENT HOUSE FLOOR	1592F	STORAGE	103 SF	41' - 1 1/4"	10' - 0"	411 SF	
PENT HOUSE FLOOR	1592G	TOILET	24 SF	19' - 6 1/2"	10' - 0"	195 SF	
Grand total: 28			4641 SF	1494' - 4 1/4"		14944 SF	

SPACE SCHEDULE - 150 PENTHOUSE FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
PENT HOUSE FLOOR	S1501	STAIR	136 SF	49' - 10 1/2"	10' - 0"	499 SF	
PENT HOUSE FLOOR	S1502	STAIR	137 SF	78' - 1"	10' - 0"	781 SF	
Grand total: 2			273 SF	127' - 11 1/2"		1280 SF	

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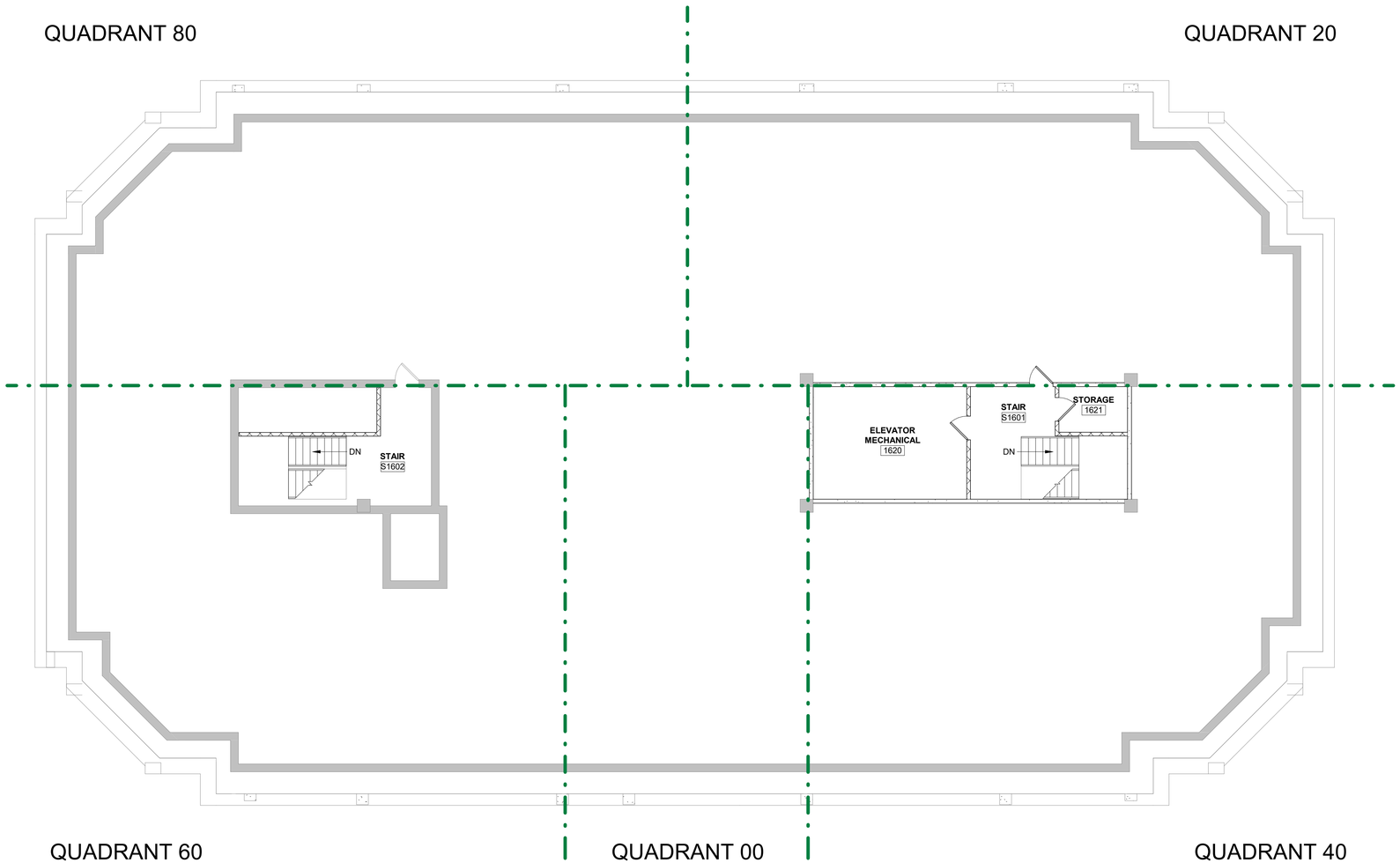
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PENTHOUSE FLOOR SCHEDULES

A150-S

8' 0 8' 16'

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1 A160 ROOF FLOOR PLAN
1/8" = 1'-0"

8' 0 8' 16'

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ROOF FLOOR PLAN

A160

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SPACE SCHEDULE - 160 ROOF FLOOR QUAD 00-19							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 160 ROOF FLOOR QUAD 20-39							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ROOF FLOOR PLAN	1620	ELEVATOR MECHANICAL	278 SF	67' - 6 5/8"	10' - 0"	676 SF	
ROOF FLOOR PLAN	1621	STORAGE	51 SF	29' - 0 3/8"	10' - 0"	290 SF	
Grand total: 2			329 SF	96' - 7"		966 SF	

SPACE SCHEDULE - 160 ROOF FLOOR QUAD 40-59							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 160 ROOF FLOOR QUAD 60-79							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 160 ROOF FLOOR QUAD 80-99							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments

SPACE SCHEDULE - 160 ROOF FLOOR STAIRS							
Level	Number	Name	Area	Perimeter	Limit Offset	Wall Area	Comments
ROOF FLOOR PLAN	S1601	STAIR	228 SF	68' - 5 7/8"	10' - 0"	685 SF	
ROOF FLOOR PLAN	S1602	STAIR	255 SF	80' - 8"	10' - 0"	807 SF	
Grand total: 2			483 SF	149' - 1 7/8"		1492 SF	

8' 0 8' 16'

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ROOF FLOOR SCHEDULES

A160-S

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Section 5

Appendix C: Database Reports

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Requirement Summary Report

By Campus and Priority

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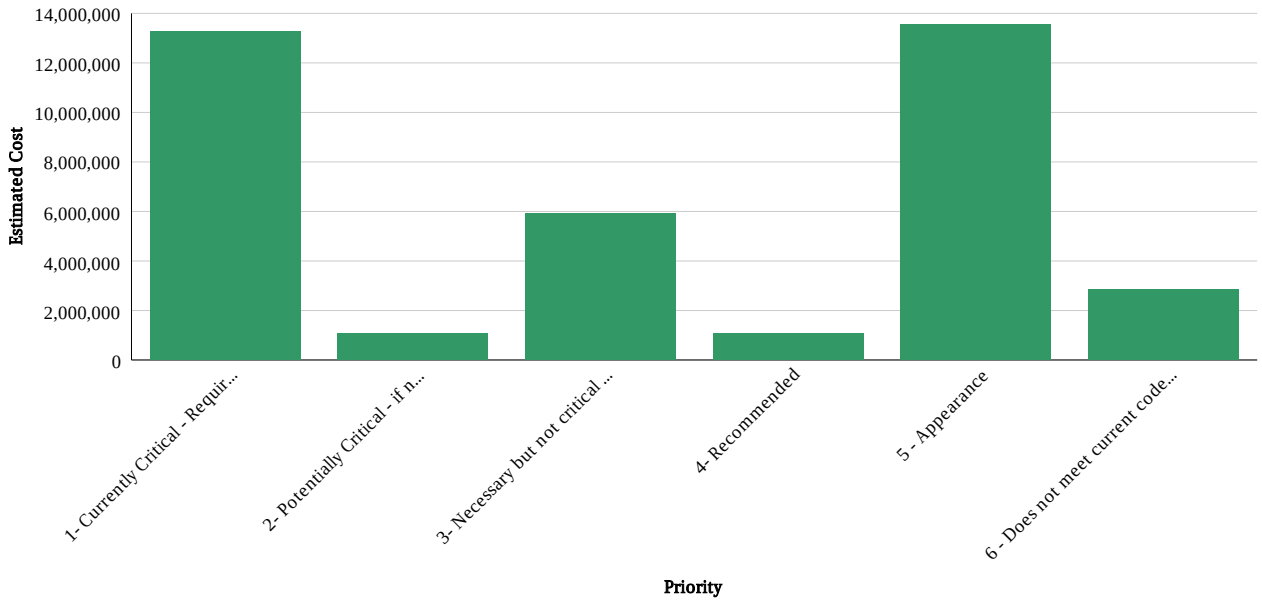
Requirement Summary Report

By Region and Priority

Region:
ALL REGIONS

Currency: USD

Priority	Percentage of Total Cost	Estimated Cost
1- Currently Critical - Requiring immediate action (safety hazard, stop accelerated deterioration, return element to operation)	35%	13,270,375
2- Potentially Critical - if not corrected soon, will become critical (intermittent operations, rapid deteiroration, potential life safety hazard)	3%	1,086,278
3- Necessary but not critical that requires appropriate attention to preclude deterioration	16%	5,916,995
4- Recommended	3%	1,091,519
5 - Appearance	36%	13,544,932
6 - Does not meet current codes/standards (grandfathered)	8%	2,851,221
Total		**37,761,320**



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Requirement Summary Report

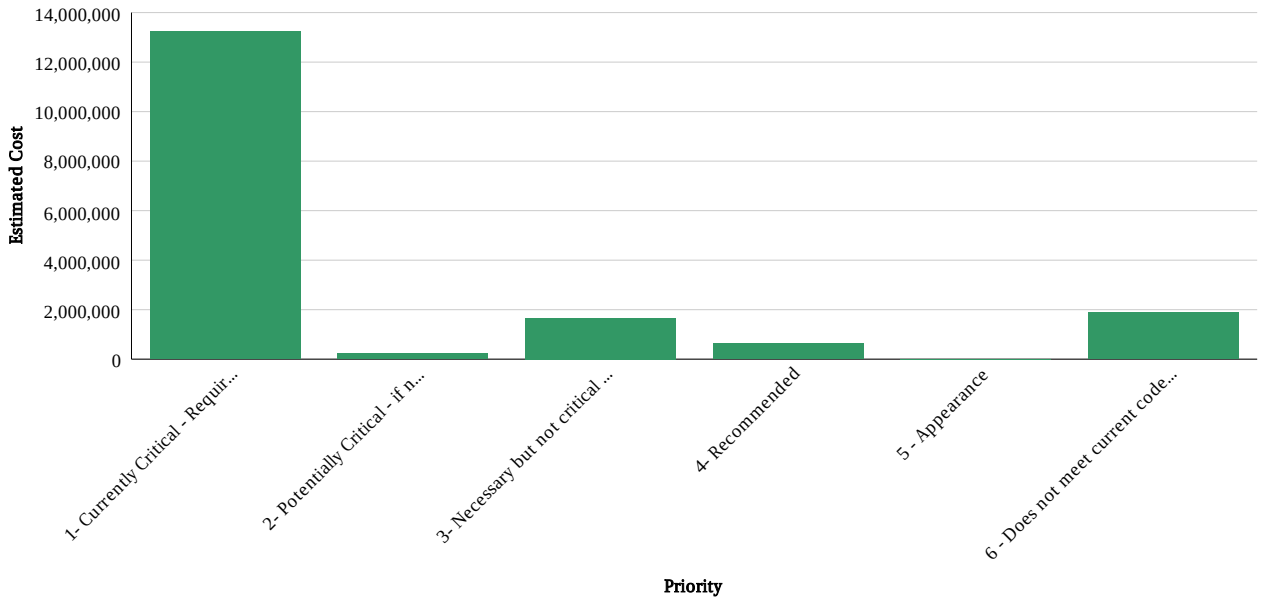
By Campus and Priority

Region:
ALL REGIONS

Campus:
Jackson County Courthouse - Henderson

Currency: USD

Priority	Percentage of Total Cost	Estimated Cost
1- Currently Critical - Requiring immediate action (safety hazard, stop accelerated deterioration, return element to operation)	75%	13,233,178
2- Potentially Critical - if not corrected soon, will become critical (intermittent operations, rapid deteiroration, potential life safety hazard)	1%	223,953
3- Necessary but not critical that requires appropriate attention to preclude deterioration	9%	1,657,653
4- Recommended	4%	629,752
5 - Appearance	0%	0
6 - Does not meet current codes/standards (grandfathered)	11%	1,888,578
Total		**17,633,114**



Requirement Summary Report

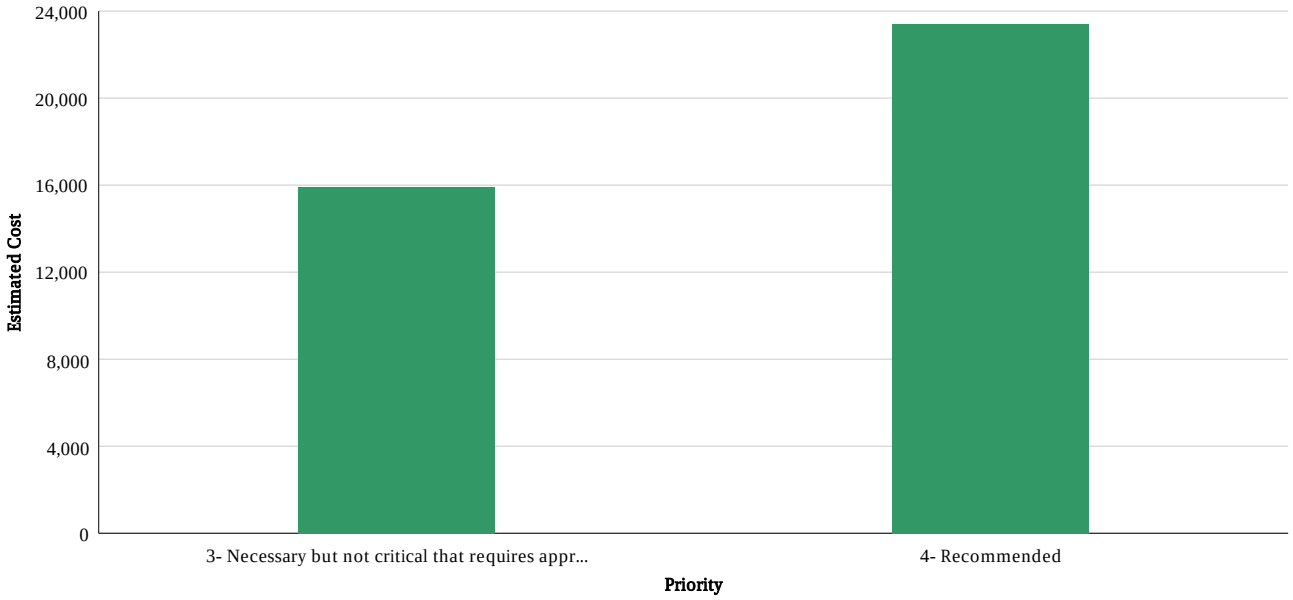
By Campus and Priority

Region:
ALL REGIONS

Campus:
Jackson County Courthouse - BD Campbell

Currency: USD

Priority	Percentage of Total Cost	Estimated Cost
3- Necessary but not critical that requires appropriate attention to preclude deterioration	40%	15,915
4- Recommended	60%	23,407
Total		**39,322**



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Requirement Summary Report

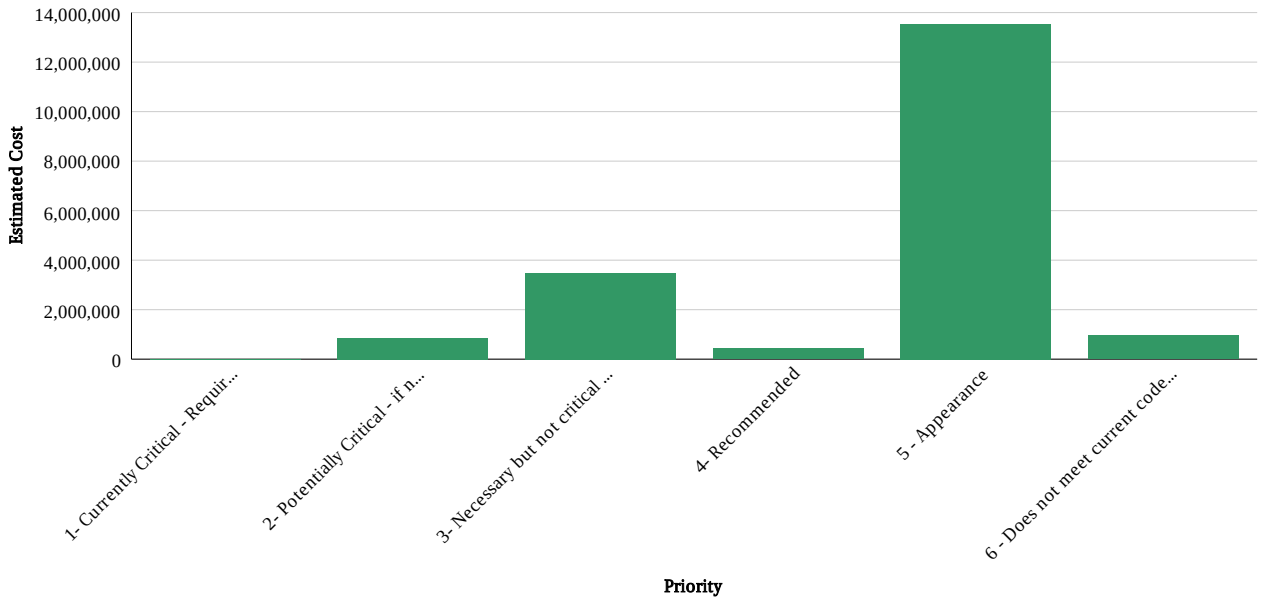
By Campus and Priority

Region:
ALL REGIONS

Campus:
Jackson County Courthouse - SFS

Currency: USD

Priority	Percentage of Total Cost	Estimated Cost
1- Currently Critical - Requiring immediate action (safety hazard, stop accelerated deterioration, return element to operation)	0%	9,658
2- Potentially Critical - if not corrected soon, will become critical (intermittent operations, rapid deteiroration, potential life safety hazard)	4%	862,325
3- Necessary but not critical that requires appropriate attention to preclude deterioration	18%	3,480,529
4- Recommended	2%	438,360
5 - Appearance	70%	13,544,932
6 - Does not meet current codes/standards (grandfathered)	5%	962,643
Total		**19,298,447**



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Requirement Summary Report

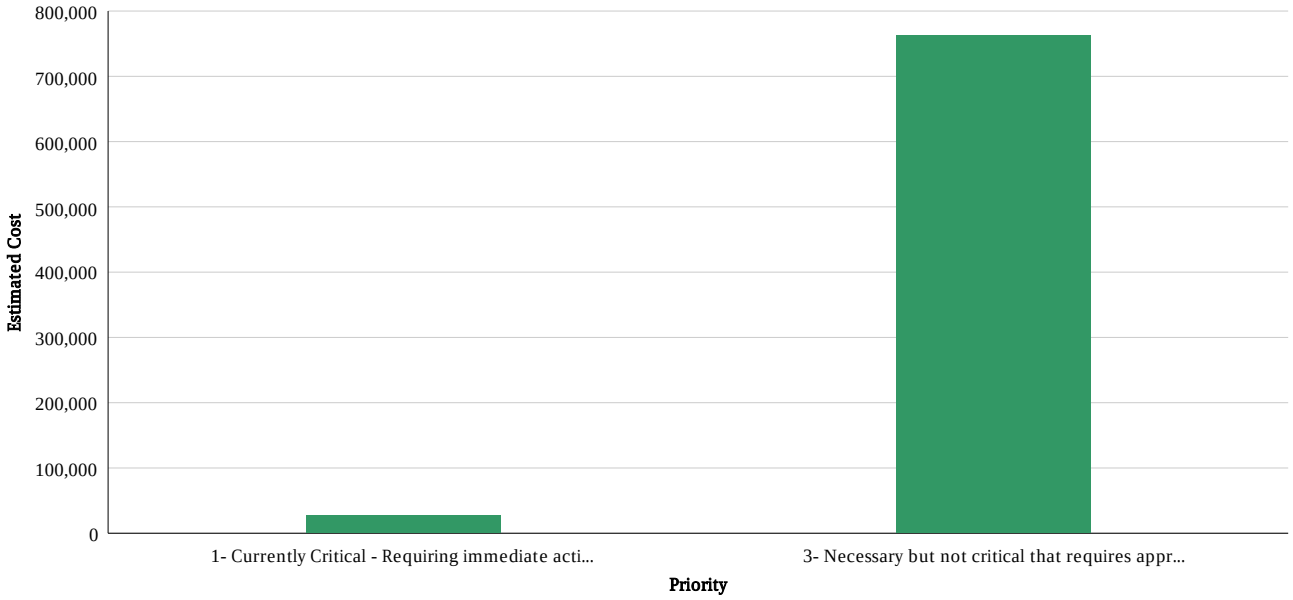
By Campus and Priority

Region:
ALL REGIONS

Campus:
Jackson County Courthouse - T & B

Currency: USD

Priority	Percentage of Total Cost	Estimated Cost
1- Currently Critical - Requiring immediate action (safety hazard, stop accelerated deterioration, return element to operation)	3%	27,539
3- Necessary but not critical that requires appropriate attention to preclude deterioration	97%	762,898
Total		**790,437**



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Asset List Report

By Name

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Asset List Report
By Name

Reporting Currency: USD
Adjustment Factor: 0%

Region Name: ALL REGIONS

Campus Name: Jackson County Courthouse - Henderson

Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Asset Type: Building										
Jackson County Courthouse - FP/FA	TBD	87		360,000	1,447,047	4	1,580,939	1.09	3,344,515	2.31
Jackson County Courthouse - MEP - Basement and Ground	TBD	87		360,000	4,434,421	12	3,051,111	0.69	3,437,039	0.78
Jackson County Courthouse - MEP - Floors 1 and 1M	TBD	87		360,000	1,820,458	5	493,096	0.27	819,381	0.45
Jackson County Courthouse - MEP - Floors 10 and 10M	TBD	87		360,000	1,053,704	3	805,956	0.76	885,627	0.84
Jackson County Courthouse - MEP - Floors 11 and 12	TBD	87		360,000	971,437	3	340,056	0.35	363,770	0.37
Jackson County	TBD	87		360,000	755,678	2	929,791	1.23	1,024,298	1.36

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Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Courthouse - MEP - Floors 13 and 14										
Jackson County Courthouse - MEP - Floors 15 and Penthouse	TBD	87		360,000	957,428	3	812,157	0.85	1,030,550	1.08
Jackson County Courthouse - MEP - Floors 2, 3, and 3M	TBD	87		360,000	2,832,726	8	1,574,770	0.56	1,839,460	0.65
Jackson County Courthouse - MEP - Floors 4 and 4M	TBD	87		360,000	1,172,045	3	605,785	0.52	745,048	0.64
Jackson County Courthouse - MEP - Floors 5 and 5M	TBD	87		360,000	1,088,946	3	559,407	0.51	713,927	0.66
Jackson County Courthouse - MEP - Floors 6 and 6M	TBD	87		360,000	1,242,939	3	529,178	0.43	903,431	0.73
Jackson County Courthouse - MEP - Floors 7 and 7M	TBD	87		360,000	1,334,366	4	869,184	0.65	1,086,783	0.81
Jackson County Courthouse - MEP -	TBD	87		360,000	1,329,382	4	703,233	0.53	881,324	0.66

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Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Floors 8 and 8M										
Jackson County Courthouse - MEP - Floors 9	TBD	87		360,000	744,654	2	406,795	0.55	554,841	0.75
Jackson County Courthouse - MEP - Roof	TBD	87		360,000	1,579	0	688	0.44	3,086	1.95
			Subtotal for Building	**5,400,000**	**21,186,810**	**4**	**13,262,146**	**0.63**	**17,633,080**	**0.83**
Campus Name: Jackson County Courthouse - Henderson					**21,186,810**		**13,262,146**	**0.63**	**17,633,080**	**0.83**

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Asset List Report
By Name

Reporting Currency: USD
Adjustment Factor: 0%

Region Name: ALL REGIONS

Campus Name: Jackson County Courthouse - BD Campbell

Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Asset Type: Building										
Jackson County Courthouse - BD Campbell - All Floors	BDC	87		360,000	13,133,918	36	0	0.00	39,320	0.00
			Subtotal for Building	**360,000**	**13,133,918**	**36**	**0**	**0.00**	**39,320**	**0.00**
Campus Name: Jackson County Courthouse - BD Campbell					**13,133,918**		**0**	**0.00**	**39,320**	**0.00**

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Reporting Currency: USD
Adjustment Factor: 0%

Region Name: ALL REGIONS

Campus Name: Jackson County Courthouse - SFS

Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Asset Type: Building										
Jackson County Courthouse - Arch - Basement	TBD	87		360,000	265,616	1	43,670	0.16	84,284	0.32
Jackson County Courthouse - Arch - Exterior Facade	TBD	87		360,000	14,878,373	41	83,018	0.01	7,663,079	0.52
Jackson County Courthouse - Arch - Floor 2	TBD	87		360,000	1,506,520	4	101,704	0.07	1,088,488	0.72
Jackson County Courthouse - Arch - Floor 9	TBD	87		360,000	1,438,984	4	114,222	0.08	634,685	0.44
Jackson County Courthouse - Arch - Floors 1 and 1M	TBD	87		360,000	3,894,013	11	234,445	0.06	1,070,863	0.28

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Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Jackson County Courthouse - Arch - Floors 10 and 10M	TBD	87		360,000	1,758,679	5	196,570	0.11	512,594	0.29
Jackson County Courthouse - Arch - Floors 11 and 12	TBD	87		360,000	901,251	3	271,391	0.30	324,168	0.36
Jackson County Courthouse - Arch - Floors 13 and 14	TBD	87		360,000	1,068,499	3	67,990	0.06	67,990	0.06
Jackson County Courthouse - Arch - Floors 15 and Penthouse	TBD	87		360,000	470,629	1	139,363	0.30	467,929	0.99
Jackson County Courthouse - Arch - Floors 3 and 3M	TBD	87		360,000	1,066,349	3	226,977	0.21	583,182	0.55
Jackson County Courthouse - Arch - Floors 4 and 4M	TBD	87		360,000	2,889,152	8	420,318	0.15	1,344,113	0.47
Jackson County Courthouse - Arch - Floors 5 and 5M	TBD	87		360,000	3,025,027	8	193,317	0.06	998,264	0.33
Jackson County	TBD	87		360,000	3,244,177	9	60,272	0.02	973,626	0.30

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Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Courthouse - Arch - Floors 6 and 6M										
Jackson County Courthouse - Arch - Floors 7 and 7 M	TBD	87		360,000	2,334,259	6	512,962	0.22	1,341,232	0.57
Jackson County Courthouse - Arch - Floors 8 and 8M	TBD	87		360,000	1,832,689	5	290,520	0.16	1,172,917	0.64
Jackson County Courthouse - Arch - Ground	TBD	87		360,000	1,910,996	5	338,553	0.18	801,982	0.42
Jackson County Courthouse - Arch - Stair 1	TBD	87		360,000	882,226	2	30,062	0.03	56,462	0.06
Jackson County Courthouse - Arch - Stair 2	TBD	87		360,000	870,287	2	32,838	0.04	84,046	0.10
Jackson County Courthouse - Arch - Stair 3	TBD	87		360,000	510,501	1	557	0.00	28,516	0.06
			Subtotal for Building	**6,840,000**	**44,748,225**	**7**	**3,358,749**	**0.08**	**19,298,421**	**0.43**
Campus Name: Jackson County Courthouse - SFS					**44,748,225**		**3,358,749**	**0.08**	**19,298,421**	**0.43**

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Reporting Currency: USD
Adjustment Factor: 0%

Region Name: ALL REGIONS

Campus Name: Jackson County Courthouse - T & B

Asset	Number	Age	Use	Size	Replacement Value	Cost/ Unit	FCI Cost	FCI	RI Cost	RI
Asset Type: Site Development										
Jackson County Courthouse - T&B - Site	BDC	87		1	980,809	980,809	0	0.00	790,436	0.81
Subtotal for Site Development				**1**	**980,809**	**980,809**	**0**	**0.00**	**790,436**	**0.81**
Campus Name: Jackson County Courthouse - T & B					**980,809**		**0**	**0.00**	**790,436**	**0.81**
Region Name: ALL REGIONS					**80,049,762**		**16,620,895**	**0.21**	**37,761,256**	**0.47**
Summary					**80,049,762**		**16,620,895**	**0.21**	**37,761,256**	**0.47**

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Section 5

Appendix D: Energy Modeling Summary

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HENDERSON ENGINEERS

ENERGY MODELING SUMMARY

JACKSON COUNTY COURTHOUSE

6/16/21

Project Summary

To better understand the impact of shifting the Jackson County Courthouse to its own central heating and cooling plant compared to district energy an analysis of the existing bills was performed. By looking at years of bills for Chilled water, Electricity, Steam, and Water we are able to evaluate the savings of a central plant vs the billed utilities.

Analysis Description

- Chilled Water bills from Vicinity (Veolia)
- Steam bills from Vicinity (Veolia)
- Electricity bills from Evergy (KCP&L)
- Water bills from KC Water
- Comparison cost rates create from virtual rate of existing bills
- Year 2018 was used for analysis because there was a full year of bills for every utility

Analysis Results

Chilled Water – Building used a total of 1,015,950 Tons Hours for the year. This resulted in a total cost of $338,422 from Veolia. Using a plant baseline COP the kWh production from switching to a central plant is 893,274. Using the electric rates from KCP&L the cost savings is $244,153 per year. This is a 72% savings in energy cost for chilled water.

Steam – Building used a total of 22,638 Mlbs of steam in a year for a total cost of $313,339 from Veolia. This results in an output of 27,030,847 kBtus from a gas boiler. Accounting for the boiler efficiency and the gas rate in the area the cost is $291,438 a year. The gas boiler creates a 7% cost savings for heating.

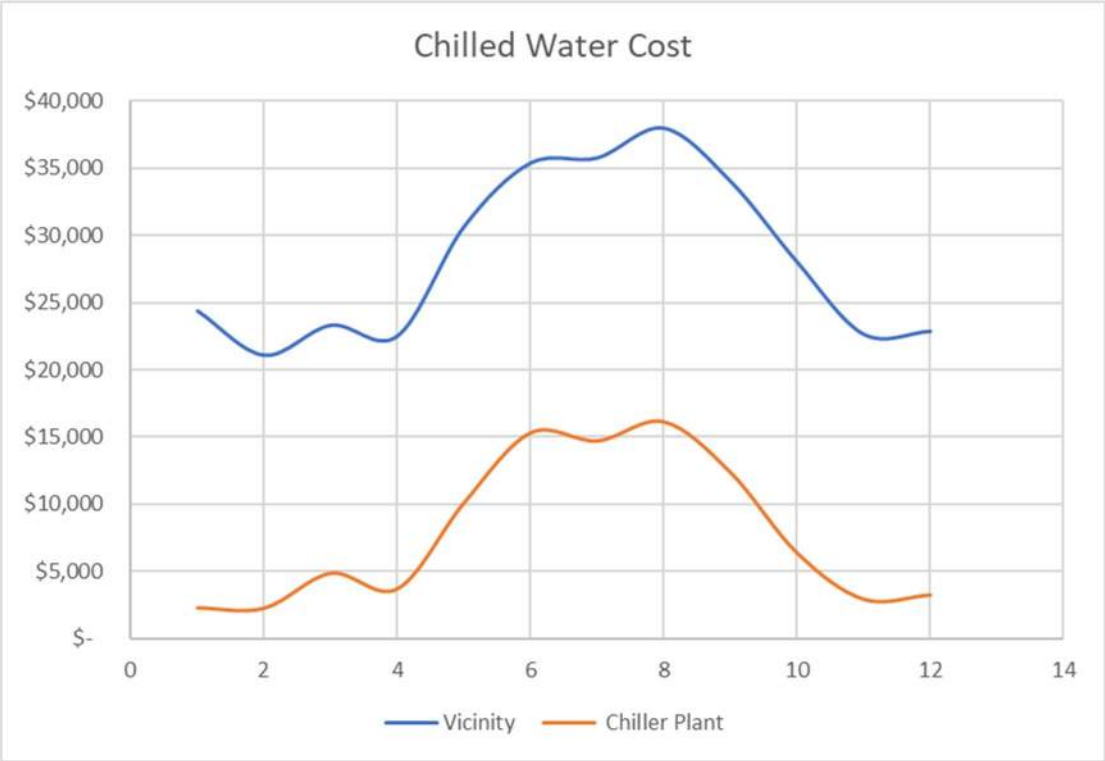
Electricity – Building used 2,279,948 kWh in a year. The total cost of this usage, accounting for demand charges, was $252,661. When the new cost for the chilled water system the cost for the year goes to $346,929. This is a 37% increase in energy cost.

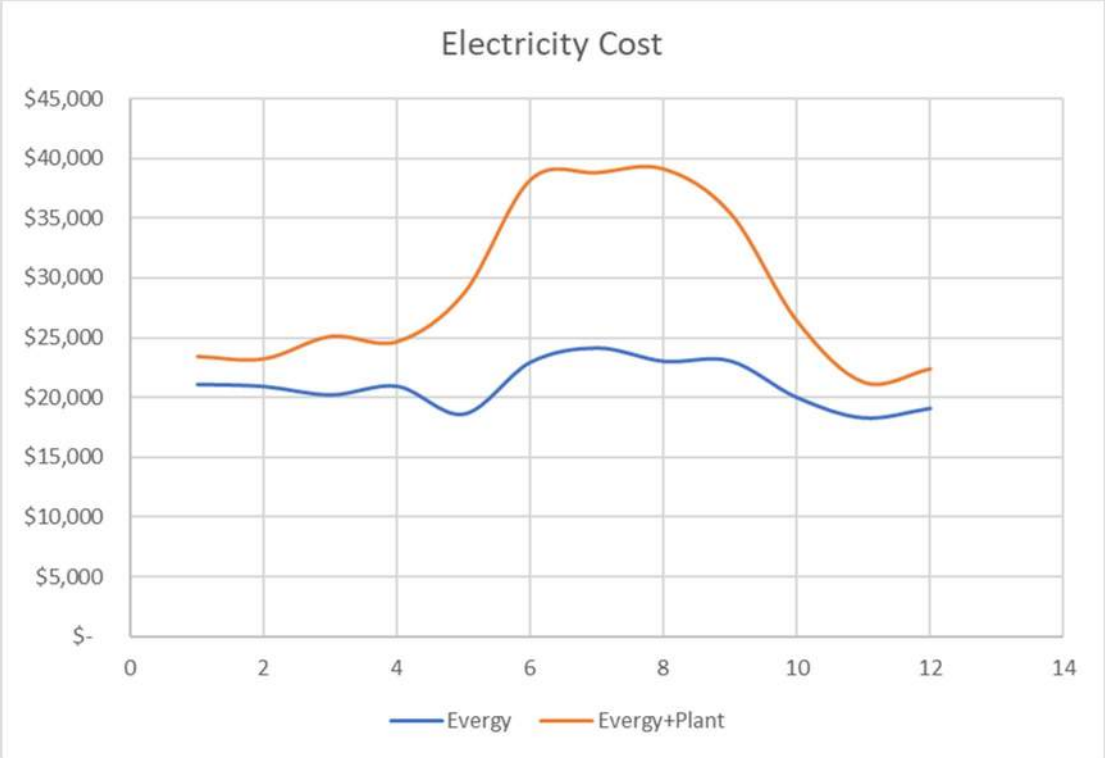
Water – Building used 13,633,048 gallons of water in a year resulting in $238,904 a year. The new central plant requires that make up water to be added for the cooling systems. This creates 4,532,443 gallons of additional water and a new cost of $318,342. This is a 33% increase in cost.

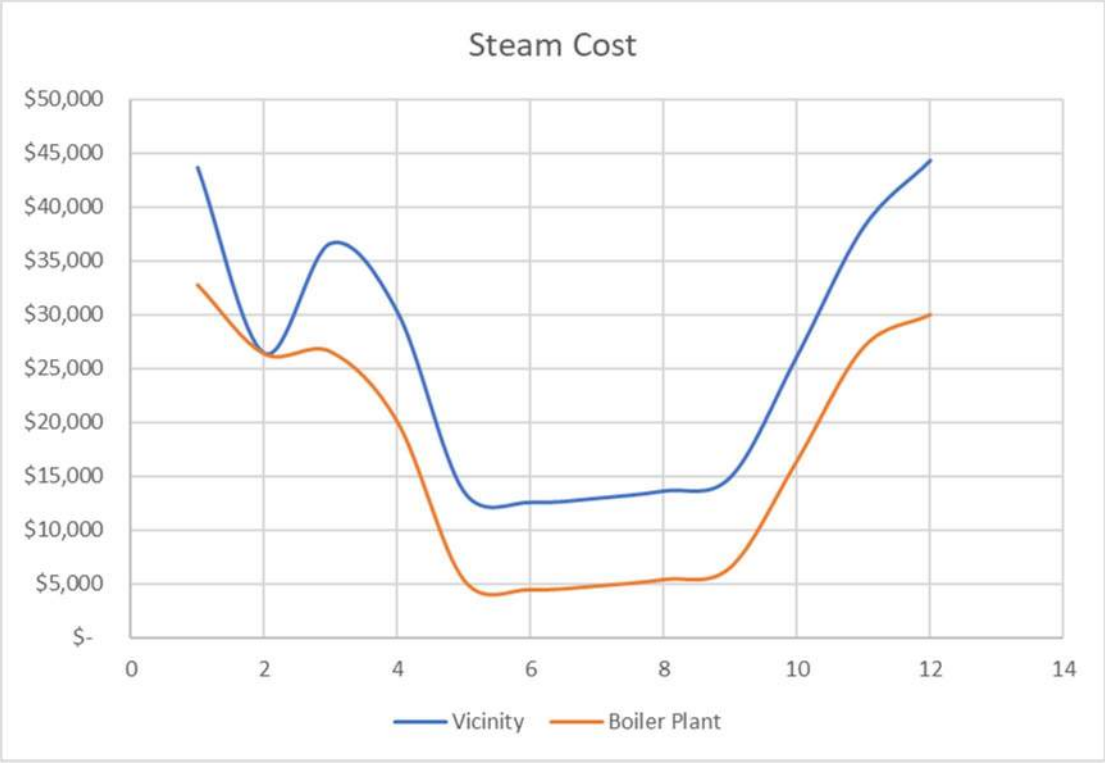
Although the cost goes up for both electricity and water, the cost savings for not using district chilled water and steam results in an annual savings of approximately $178,065 in cost. With the cost to build the plant at $2,773,163 and escalation rate of 3.2%, the payback of the new central plant is 10 years.

Disclaimer

Estimates of cost or energy savings represent Henderson's professional opinion. Energy savings and costs may be affected by factors outside of Henderson's control and Henderson does not guarantee or represent that the actual cost or energy consumption will not vary from any such estimates.


Chilled Water Cost
$40,000
$35,000
$30,000
$25,000
$20,000
$15,000
$10,000
$5,000
$-
0
2
4
6
8
10
12
14
Vicinity
Chiller Plant


Electricity Cost
$45,000
$40,000
$35,000
$30,000
$25,000
$20,000
$15,000
$10,000
$5,000
$-
0
2
4
6
8
10
12
14
Evergy
Evergy+Plant


Steam Cost
$50,000
$45,000
$40,000
$35,000
$30,000
$25,000
$20,000
$15,000
$10,000
$5,000
$-
0
2
4
6
8
10
12
14
Vicinity
Boiler Plant

Section 5

Appendix E: Hydro Physics Pipe Inspection

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Inspection Report

Provided by:

HYDRO PHYSICS™
PIPE INSPECTION CORP.

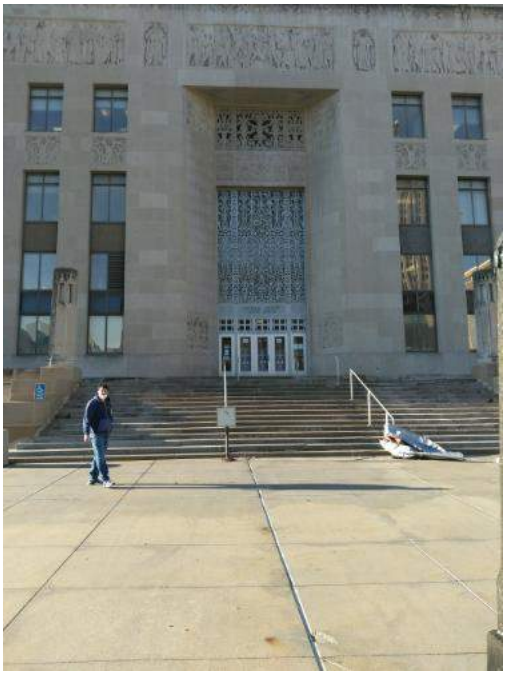
Hydro Physics Pipe Inspection

Inspector: Chris Lang

7823 N Park Ave, Kansas City, MO. 64118
John Richmond 816-985-4859
hydrophysicskc@gmail.com

Property Address

415 E 12th St, Kansas City, MO 64106, USA



Report Information

Client Information

Client Name	Kurt Mitscher
Client Phone	(913) 424-2509

Inspection Information

Inspection Date	03/29/2021

WORK AUTHORIZATION: Our service provides video inspection and documentation of pipe 3 inch or greater inside diameter, and helps detect causes for problem areas due to some of the following problems: Broken Lines, Offset Joints, Crushed Lines, Major Low Areas in Pipe, Debris in Pipe and other visually identifiable objects, obstructions or serious problems on pipe interiors.

Hydro Physics, Inc. provides its customers with an unbiased video inspection. Our cameras are used to get a different perspective (i.e. the inside of pipe) but neither the equipment or operator of this equipment are to be used to make engineering, repair, or replacement decisions without consulting a licensed plumber or engineering professional. Hydro Physics, Inc.'s services help give you information, which would otherwise be inaccessible, to assist you in your decision making process. Locations of areas of interest will be marked and approximate depth given.

Sewer Inspections are performed from the first, most easily available access point to the building drain and sewer pipes. Drain caps cannot be removed that appear to be damaged or that may be damaged at removal. Cap styles that are known to leak upon removal and re-installation also cannot be removed. The sewer inspection is limited to the date and time of the inspection only, as conditions in the sewer can change over time. The sewer camera inspection is only a visual inspection of the accessible sewer line and may be limited by obstruction, debris, buildup, or access. The report is based solely on the opinion of the technician with the information he has available at the time of the inspection. Hydro Physics, Inc. is not offering any sort of guarantee or warranty as part of this inspection report. Hydro Physics, Inc. is not responsible for any future drainage problems or repairs. The camera is only ran through the main sewer line; no secondary lines will be inspected or included as part of the report. Lines 2 inch in diameter or smaller and any trap will not be inspected. Damage may exceed beyond the marked areas (especially in Cast Iron Pipe).

By requesting the inspection, I/We hereby authorize the work described along with the necessary materials and parts. I/We further agree to assume full liability for damaged, lodged, or contaminated equipment caused in the course of the inspection. Hydro Physics will in no way be held liable for consequential damages which may occur due to inspection requested. Because of the possibility that electrical or atmospheric disturbance has affected our equipment, no guarantee is made of the exact location, depth, or position of a potential problem area. Excavation of such area is done at your risk and should only be done after consultation with an excavation expert. We do guarantee that we will use our best effort and a workmanlike manner to provide you with the information you have requested. Your sole remedy for any dissatisfaction with our service is a refund of the price you have paid to Hydro Physics, Inc. Hydro Physics Inc. shall not be liable for any other consequential damages.

MD = Minor Defect

M = Needs Maintenance
R = Repair Recommended
CL = Cleaning Recommended
NA = No Action Needed

CONFIDENTIAL REPORT - The written report to be prepared by the Inspector shall be considered the final and exclusive findings of the Inspector/Inspection Company regarding the inspection at the Inspection Address. The inspection report to be prepared for the Client is solely and exclusively for the Client’s own information and may not be relied upon by any other person. Client agrees to maintain the confidentiality of the inspection report and agrees not to disclose any part of it to any other person with the exception of the seller and/or the real estate agents directly involved in this transaction. Client(s) or the inspector may distribute copies of the inspection report to the seller and real estate agents directly involved in this transaction, but neither the seller nor the real estate agent are intended beneficiaries of this Agreement or the inspection report. Client agrees to indemnify, defend, and hold the Inspector/inspection Company harmless from any third-party claims arising out of the Client's or Inspectors distribution of the inspection report.

By requesting the inspection, I/We agree to pay the inspection fee for this service, and further agree to pay reasonable charges for collection, including attorneys fees n the event of my default. A delinquency penalty of 19.5 % APR will be charged on all past due invoices.

Report Summary Page

This is only a summary of the inspection report and is not a complete list of discrepancies.

There may be a warranty policy available for this property to protect the homeowner against repair costs if the line failed. The link for this warranty is: http://www.slwofa.com/

A second possible company is: https://www.homeserve.com/ I have had customers that think Homeserv may have better coverage, and will do repairs more completely (replace concrete, level ground, etc.) and cover more cost per incident. Please compare both policies. i

Additionally, several Home Insurance companies have started offering sewer line warranty policies to cover repair costs. Check with your homeowner's agent to see what may be available.

I would recommend placing water alarms near basement drains and sump or grinder pits so if water overflows, the homeowner will be alerted so all water can be stopped to minimize flooding.

Section	Condition#	Comment
Plumbing		
VIDEO FILE LINK (PLEASE DOWNLOAD EXPIRES IN 7 DAYS)	1.1	https://we.tl/t-h7PYxPCtN9
ACCESS USED	1.2	SEE OTHER NOTES
INSIDE PIPE	1.3	
TRANSITION LEAVING THE HOUSE	1.4	
OUTSIDE PIPE	1.5	

Report Summary Page		
OTHER NOTES OR PROBLEMS FOUND	1.11	03/29/2021 - Entered thru main stack clean out on north basement wall. Ran camera downstream in 4 inch cast 1ft to 6 inch cast. From clean out ran camera 45ft to 10 inch cast. From clean out ran camera 48ft to slight buildup at base of pipe. Pipe is to large to push camera past buildup. Moved to floor clean out in doorway at electrical room. Ran camera in 4 inch cast iron pipe 3ft to total blockage. I would recommend that the line be drain cleaned with a minimum 3 inch blade to clear the pipe so the line will drain properly. The line should be re-camera inspected after cleaning and a video provided to the buyer to verify the condition of the pipe to the city main. There is a re-inspection fee of $75 and I need receipt for cleaning to schedule re-inspection. There is a 10 inch floor clean out inside manhole on south basement wall in electrical room. This cap will not rotate to access cleanout. Moved to trench drain in southwest corner of parking lot. Ran camera downstream in 6 inch SDR pipe 12ft to offset at funco for the clay transition at manhole. I located the line at 12ft, 4ft deep. Locates are for repair estimation purposes only, line should be field verified by repair company before work begins. The line has been located to the best of the our ability and Hydro Physics does not take any responsibility for the accuracy of the spot or depth of the line. It is the repair contractor's responsibility to confirm line location and depth before repairs are started. Ran camera from manhole in southwest parking lot upstream in 6 inch clay 1ft to SDR transition. Ran camera from 10 inch inlet inside manhole 1ft to backflow flapper. No other access
CITY MAIN, SEPTIC TANK, MAX RUN	1.13	
FLOOR DRAIN	1.14	
KITCHEN DRAIN	1.15	

MD = Minor Defect | M = Needs Maintenance | R = Repair Recommended | CL = Cleaning Recommended | NA = No Action Needed

1 Plumbing

SEWER DRAIN LINE

1.1) VIDEO FILE LINK (PLEASE DOWNLOAD EXPIRES IN 7 DAYS)

https://we.tl/t-h7PYxPCtN9

1.2) ACCESS USED

SEE OTHER NOTES

TYPE OF PIPE

1.3) INSIDE PIPE

1.4) TRANSITION LEAVING THE HOUSE

1.5) OUTSIDE PIPE

1.6) TREE ROOTS

1.7) LOW SPOTS

1.8) BROKEN PIPE

1.9) OFFSET JOINTS

1.10) EROSION OR CORROSION OF CAST IRON PIPE

1.11) OTHER NOTES OR PROBLEMS FOUND

MD = Minor Defect | M = Needs Maintenance | R = Repair Recommended | CL = Cleaning Recommended | NA = No Action Needed

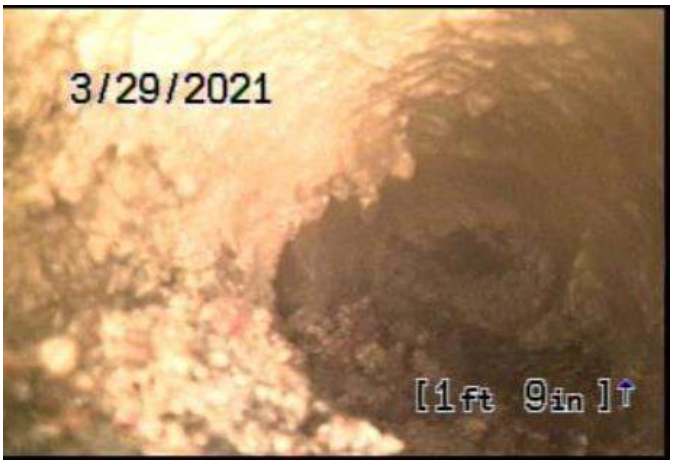
03/29/2021 - Entered thru main stack clean out on north basement wall. Ran camera downstream in 4 inch cast 1ft to 6 inch cast. From clean out ran camera 45ft to 10 inch cast. From clean out ran camera 48ft to slight buildup at base of pipe. Pipe is to large to push camera past buildup. Moved to floor clean out in doorway at electrical room. Ran camera in 4 inch cast iron pipe 3ft to total blockage. I would recommend that the line be drain cleaned with a minimum 3 inch blade to clear the pipe so the line will drain properly. The line should be re-camera inspected after cleaning and a video provided to the buyer to verify the condition of the pipe to the city main. There is a re-inspection fee of $75 and I need receipt for cleaning to schedule re-inspection.
There is a 10 inch floor clean out inside manhole on south basement wall in electrical room. This cap will not rotate to access cleanout.
Moved to trench drain in southwest corner of parking lot. Ran camera downstream in 6 inch SDR pipe 12ft to offset at funco for the clay transition at manhole.
I located the line at 12ft, 4ft deep. Locates are for repair estimation purposes only, line should be field verified by repair company before work begins. The line has been located to the best of the our ability and Hydro Physics does not take any responsibility for the accuracy of the spot or depth of the line. It is the repair contractor's responsibility to confirm line location and depth before repairs are started.
Ran camera from manhole in southwest parking lot upstream in 6 inch clay 1ft to SDR transition.
Ran camera from 10 inch inlet inside manhole 1ft to backflow flapper.
No other access

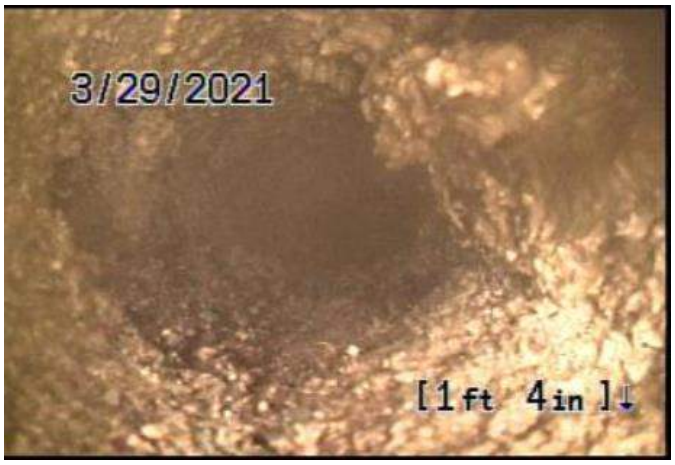




MD = Minor Defect | M = Needs Maintenance | R = Repair Recommended | CL = Cleaning Recommended | NA = No Action Needed

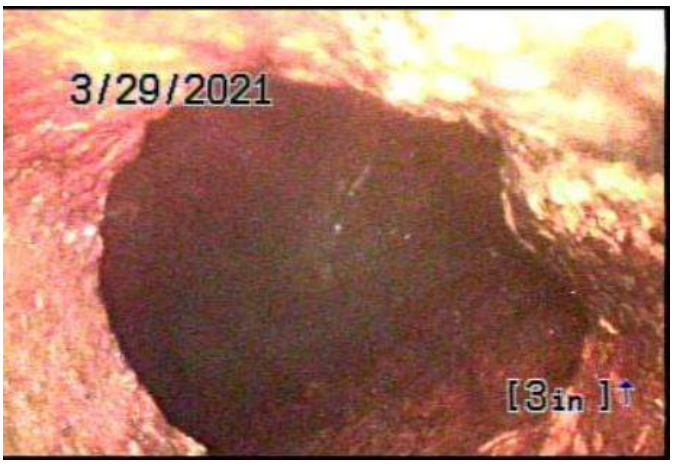








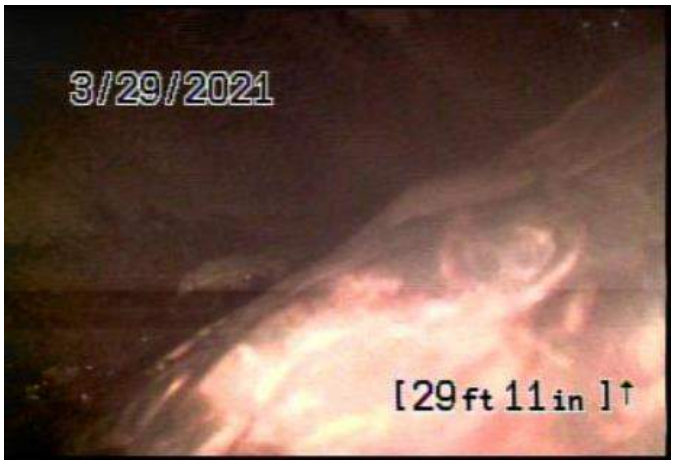




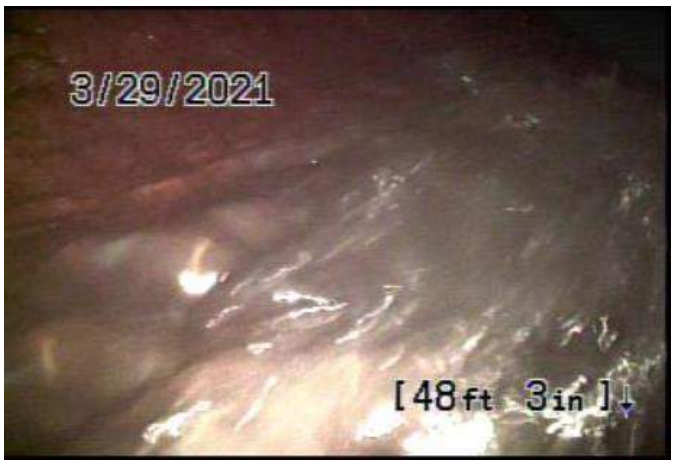
MD = Minor Defect | M = Needs Maintenance | R = Repair Recommended | CL = Cleaning Recommended | NA = No Action Needed













MD = Minor Defect | M = Needs Maintenance | R = Repair Recommended | CL = Cleaning Recommended | NA = No Action Needed





1.12) INLETS OR CONNECTIONS

1.13) CITY MAIN, SEPTIC TANK, MAX RUN

1.14) FLOOR DRAIN

1.15) KITCHEN DRAIN

1.16) RE-INSPECTION NOTES

Section 5

Appendix F: Asbestos Survey and Hazardous Material Inventory

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Asbestos Survey and Hazardous Material Inventory

Jackson County Courthouse FCA

415 East 12th Street

Kansas City, Jackson County, Missouri

April 2, 2021
SFS Project No. 201066
Terracon Project No. 02207156



Prepared for:
SFS Architecture, Inc.
Kansas City, Missouri

Prepared by:
Terracon Consultants, Inc.
Lenexa, KS

April 2, 2021

SFS Architecture, Inc.
2100 Central Street, Suite 31
Kansas City, Missouri 64108

Attn: Ms. Dana Gould AIA, LEED AP
Office: (816) 541-2646
Email: dgould@sfsarch.com

Re: Asbestos Survey Report and Hazardous Building Materials Inventory
Jackson County Courthouse FCA
415 East 12th Street
Kansas City, Jackson County, Missouri 64106
SFS Project No. 201066
Terracon Project No. 02207156

Dear Ms. Gould:

Terracon Consultants, Inc. (Terracon) is pleased to submit the attached report for the above referenced site to SFS Architecture, Inc. The purpose of this report is to present the results of an Asbestos Survey and Hazardous Building Materials Inventory conducted between January 18 and February 26, 2021. We understand that this survey was requested due to the potential future renovation of the above referenced building.

Asbestos was identified in samples collected from the subject building. Hazardous building materials were observed and quantified during the site survey. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to SFS Architecture, Inc. If you have any questions regarding this report, please contact the undersigned at 913-492-7777.

Sincerely,
Terracon Consultants, Inc.

Timothy Easley
Environmental Technician

Mitch Reiber PG, CIH
National Director, Asbestos Services

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APPENDIX F ASBESTOS MATERIAL LOCATION DRAWINGS

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APPENDIX H LICENSES AND CERTIFICATIONS

Asbestos Survey Report and Hazardous Building Materials Inventory

Jackson County Courthouse
415 East 12th Street
Kansas City, Jackson County, Missouri
Terracon Project No.: 02207156
April 2, 2021

1.0 INTRODUCTION

Terracon Consultants Inc. (Terracon) conducted an asbestos survey and hazardous building materials inventory of the Jackson County Courthouse located at 415 East 12th Street in Kansas City, Jackson County, Missouri. The survey was conducted between January 18 and February 26, 2021 by State of Missouri certified asbestos inspectors in general accordance with our Standard Form of Agreement for Special Services, dated November 30, 2020. Interior and exterior building components were surveyed and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be within walls, in voids, or in other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in United States Environmental Protection Agency (USEPA) 40 Code of Federal Regulations (CFR) Part 763, Subpart E, known as the Asbestos Hazard Emergency Response Act (AHERA). Samples were delivered to an accredited laboratory for analysis by Polarized Light Microscopy (PLM).

1.1 Reliance

This report is for the exclusive use of SFS Architecture, Inc. for the project being discussed. Reliance by any other party on this report is prohibited without written authorization of Terracon and SFS Architecture, Inc. Reliance on this report by SFS Architecture, Inc. and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and Terracon's Agreement for Services. The limitations of liability defined in Terracon's Agreement for Services is the aggregate limit of Terracon's liability to SFS Architecture, Inc.

2.0 BUILDING DESCRIPTION

The Jackson County Courthouse is a 25 story, approximately 360,000 square foot building. Original building construction was completed in 1934. Interior floors are concrete covered with floor tile, carpet, linoleum, ceramic tile or terrazzo. Interior walls are hard plaster or gypsum wallboard. Interior ceilings are hard plaster with drop ceiling tiles in most areas.

3.0 ASBESTOS-CONTAINING MATERIAL SURVEY

The survey was conducted by Timothy Easley, AmberLee O'Brien and Blake Harris, State of Missouri certified asbestos inspectors. Copies of the asbestos inspectors' certificates are attached as Appendix H. The survey was conducted in general accordance with protocols established in EPA regulation 40 CFR 763, the AHERA. A summary of survey activities is provided below.

3.1 Visual Assessment

Survey activities were initiated with visual observation of the interior and exterior of the building to identify homogeneous areas of suspect ACM. A homogeneous area (HA) consists of building materials that appear similar throughout in terms of color and texture with consideration given to the date of application. The assessment was conducted in visually accessible areas of the building.

3.2 Physical Assessment

A physical assessment of each HA of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the USEPA as a material which can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with USEPA AHERA sampling protocols. Samples of suspect materials were collected from randomly selected locations in each homogeneous area. Bulk samples were collected using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

The selection of sample locations and frequency of sampling were based on Terracon's observations and the assumption that like materials in the same area are homogeneous in content.

Terracon collected 318 bulk samples from 100 homogeneous areas of suspect ACM.

3.4 Sample Analysis

Bulk samples were submitted under chain of custody to International Asbestos Testing Laboratories (IATL) of Mount Laurel, New Jersey for analysis by Polarized Light Microscopy (PLM) with dispersion staining techniques per USEPA Method 600/R-93/116. The percentage of asbestos,

where applicable, was determined by microscopic visual estimation. IATL is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) Accreditation No. 101165.

3.5 Regulatory Overview

The Missouri Department of Natural Resources, (MDNR) Air Pollution Control Program, enforces the Asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP) as adopted by reference at 10 CSR 10-6.080. The owner or operator must provide MDNR with written notification at least 10 working days prior to the commencement of asbestos abatement activities that will disturb Regulated Asbestos Containing Materials (RACM) in amounts greater than or equal to 160 square feet, 260 linear feet or 35 cubic feet.

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to demolition or renovation activity. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. All friable ACM is considered RACM.

The asbestos NESHAP regulation classifies ACM as either RACM, Category I non-friable ACM or Category II non-friable ACM. RACM includes all friable ACM, along with Category I and Category II non-friable ACM that has become friable, will be or has been subjected to sanding, grinding, cutting or abrading, or ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder during renovation or demolition activity. Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos. Category II non-friable ACM generally includes but is not limited to cementitious material such as: cement pipes, cement siding, cement panels, glazing, mortar and grouts.

The United States Occupational Safety and Health Administration (USOSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The USOSHA standard requires that employee exposure to airborne asbestos must not exceed 0.1 fibers per cubic centimeter of air (0.1 f/cc) as an eight-hour time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30-minute period known as an excursion limit (EL). The TWA and EL are known as USOSHA's asbestos permissible exposure limits (PELs). The USOSHA standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

3.6 Findings

The following materials were identified by laboratory analysis to be asbestos containing:

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 02 - Mudded joint packings (MJPs) and mudded seams at 3' intervals with mineral wool pipe insulation	**Basement:** B101 - Machinery Room, B123 - Pump Room, B125 – Office, B127 - Boiler Room, B128 – Above Transformer Room, Tunnels **Ground Floor:** 000C – Room, 000D- Room, 001 – Vestibule, 002 – Vestibule, 020 - Open Office, 023 – Office, 024 – Storage, 025 – Room, 026 – Conference, 041 – Office, 044 – Office, 045 – Storage, 046 - Mail Room, 050 – Room, 051 – Garage, 057 – Electrical, 060 - Open Office, 064 – Office, 083 – Office, 084 – Office, 085 – Mechanical, 088 - IT Crowd, 091 – GG, 092 – Room, 093 - Room **1st Floor:** 100C – Closet, 103 – Room, 104 – Room, 122 – Room, 125 – Open Office, 127 – Office, 128 – Office, 129 – Open Office, 130 – Office, 140 – Open Office, 141 – Office, 142 – Room, 147 – Vault, 150 - Open Office, 152 – Office, 154 – Office, 160 – Open Office, 184 – Room, 185A – Closet **1st Floor Mezzanine**: 100BM – Closet, 100DM – Closet, 120M – Open Office, 128M – Office, 129M – Office, 140M – Corridor, 141M – Room, 142M – Mechanical, 150M – Corridor, 161M – Office,163M – Office, 186M – Mechanical, 187M - Open Office, 188M – Office, 189AM – Closet, 189M – Storage, 126AM – Mechanical and 126M – Mechanical, East and West Open areas **2nd Floor:** 200B – Storage, 200C – Room, 200D – Storage, 201 – Lobby, 226 – Office, 228 - Mechanical, 233 – Office, 234 – Office, 235 – Office, 239 – Office, 243 – Office, 245 – Office, 246 – Office, 247 – Office, 249A Closet, 250 – Room, 262 – Room, 264 – Office, 266 – Office, 272 – Office, 273 – Office, 275 Office, 278 – Office, 279 – Conference, 280 - Courtroom **3rd Floor:** 300C – Electrical, 324A – Closet, 348 - Restroom Vestibule, 350 - Women's Restroom, 360 - Clerks Office, 363 – Office and 380 - Clerks Office, Piping at floor along perimeter walls **3rd Floor Mezzanine:** 320M – Shop, 300CM – Room, 300M - Elevator Lobby, 320M – Shop, 321M - Plumbing Shop, 322M - Carpenter Shop, 324M – Room, 340M – Storage, 360M - Conference Room, 361M – Office, 362M – Office, 380M – Mechanical and 382M - Office **4th Floor:** 400C – Closet, 400D – Closet, Lobby, 401 – Judges Chambers, 402 – Room, 403 – Room, 404 – Office, 410 – Courtroom, 411 - Judges Chamber, 412 – Reporter, 414 – Room, 416 – Room, 417 – Room, 460 – Courtroom, 480 – Courtroom and 491 – Office ***Table section continues on next page***	RACM	4,026 MJPs and Mudded Seams

HA 02 - Mudded joint packings (MJPs) and mudded seams at 3' intervals with mineral wool pipe insulation	***Table section continues from previous page*** **4th Floor Mezzanine:** 400CM – Room, 400DM – Room**,** 400M – Elevator, 411M - Jury Room**,** 417M – Jury**,** 443M – Room, 460M – Open Office, 491M – Witness **5th Floor:** 500B – Closet, 500C – Closet, 501 – Judges Chamber, 502 – Room, 503 – Room, 504 – Room, 505 – Room, 507 – Judges Chambers, 511 – Judges Chamber, 515 – Office, 516 – Open Office, 517 - Judges Chamber, 520 – Courtroom, 540 – Courtroom, 560 – Courtroom and 580 – Courtroom, 591 Office **5th Floor Mezzanine**: 505M – Mechanical, 511M – Jury, 512M – Room, 514M – Room, 516M – Room and 591M – Room, In perimeter walls of courtrooms and south center pipe chases **6th Floor:** 600B – Closet, 600C – Mechanical, 600D – Closet, 601 - Judges Chambers, 607 – Judges Chambers, 611 – Judges Chamber, 612 – Office, 617 – Judge, 621 – Office, 630 – Courtroom, 640 – Courtroom, 645 – Toilet, 660 – Courtroom, 680 - Court Room, 692 – Office **6th Floor Mezzanine:** 601M – Jury Deliberations, 602M – Jury Consultation, 606M – Jury Consultation, 607M – Jury Deliberations, 611M – Jury Deliberation, 614M – Storage, 692M – Office, 693M – Office, In perimeter walls of courtrooms and south center pipe chases **7th Floor:** 700B – Room, 700C – Room, 700D – Closet, 709 – Room, 710 – Courtroom, 711 – Room, 712 – Room, 713 – Room, 714 – Room, 715 – Room, 717 – Judges Chamber, 720 – Courtroom, 721 – Office, 722 - Open Office, 730 – Courtroom, 740 – Courtroom **7th Floor Mezzanine:** 700CM – Closet, 701M – Room, 702M – Room, 703M – Room, 705M – Room, 707M – Room, 710M – Room, 715M – Room, 717M – Room, 726M – Room, 727M – Room, 728M – Room, 746M – Room, 747M – Room, 788M – Room **8th Floor:** 800B – Closet, 800C – Electrical, 800D – Closet, 801 - Judges Chamber, 803 – Room, 806 – Room, 807 – Room, 811 - Judges Chamber, 812 – Office, 814 – Office, 816 – Office, 817 – Judges Chamber, 820 – Division 18 Court, 821 – Room, 840 - Court Services Room 800, 860 - Division 10 Court Room, 880 - Division 11 Court Room, 891 – Room, 892 - Room **8th Floor Mezzanine:** 801M – Room, 802M - Room 803M – Room, 804M - Open Office, 807M – Mechanical, 811M - Jury Room, 814M – Room, 817M – Jury Room, 891M – Room, In perimeter walls of courtrooms and south center pipe chases **9th Floor:** 900 – Main Lobby and Service Hall, 900B – Closet, 900C – Mechanical, 900D – Closet, 901 – Judges Chambers, 902 – Office, 905 – Jury Room, 906 – Office, 907 - Judges Chambers, 911 – Break, 917 – Office, 920 - Probate Court, 925 - Division 6, 940 - Court Room, 941 – Office, 960 - Combat Office, 964 - Office, 965 – Office, 985 - Conference Room, 996 – Office ***Table section continues on next page***	RACM	4,026 MJPs and Mudded Seams

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
	Table section continues from previous page **10th Floor:**1000 – Lobby, 1000A – Electrical,1000B – Closet, 1000C – Mechanical, 1000D – Closet, 1011 – Office, 1012 – Office, 1013 – Office, 1015 – Jury Room, 1016 – Office, 1017 – Judges Chambers, 1021 - Conference Room, 1026 – Office, 1027 – Office, 1028 – Office, 1029 – Office, 1030 – Office, 1045 – Office, 1046 – Office, 1047 – Office, 1049 – Office, 1060 – Courtroom, 1080 – Human Resources for District Court **10th Floor Mezzanine:**1080AM - Ceiling Void, 1080M - Corridor 1081AM - Ceiling Void, 1081BM - Ceiling Void, 1081M – Mechanical, 1082M – Storage, 1083M – Storage, 1085M – Room, 1086M – Mechanical, 1090 - Attic Space, S1001M – Stairwell **11th Floor:** 1100C – Mechanical, S1101 – Stair, S1102 - Stair **12th Floor:** 1200 – Room, 1220 - NE Quadrant, 1240 - SE Quadrant, 1260 – SW Quadrant, 1280 - NW Quadrant, S1201 – Stairwell and S1202 – Stairwell **13th Floor:** 1300 – Room, 1302 – Toilet, 1320 - NE Quadrant, 1340 - SE Quadrant, 1360 - SW Quadrant, 1380 - NW Quadrant, S1301 – Stairwell, S1302 - Stairwell **14th Floor:** 1401 – Corridor, 1420A - Observation Office, 1440 - S/E Quadrant, 1460 - S/W Quadrant, 1480 - N/W Quadrant, S1402 - Stairwell **15th Floor:** 1500 - Elevator Equipment, 1522 – Storage, 1523 – Storage, 1542 – Storage, 1560 – Boiler Room, 1581 – Toilet, 1583 – Toilet, 1584 – Corridor, 1586 – Storage, 1587 – Storage, 1588 – Storage, 1589 – Storage, 1590 – Storage, 1591 – Storage, S1501 – Stairwell and S1502 - Stairwell		
HA 04 - Mudded joint packings and mudded seams at 3' intervals with mineral wool and tarpaper pipe insulation	**3rd Floor Mezzanine:** 320M – Shop, 326M - Storage, 340M – Storage, 380M –Mechanical, 360M - Conference Room, 361M – Office, 362M – Office, 364AM – Room	RACM	124 MJPs and Mudded Seams
HA 05 - Preformed white block pipe insulation	**Basement:** B127 - Boiler Room **5th Floor:** 512 – Room **6th Floor:** 613 – Room, 616 – Office **7th Floor:** 701 - Judges Chambers, 703 – Room, 704 – Room, 705 - Room, 707 - Judges Chambers, 725 – Courtroom, 730 Courtroom, 740 – Courtroom **7th Floor Mezzanine:** 711M – Room, 763M – Room, 764M – Room, 765M – Room, 780M – Room 787M - Room	RACM	332 Linear Feet

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 06 - Mudded joint packings with preformed white block pipe insulation	**Basement:** B127 - Boiler Room **5th Floor:** 512 – Room **6th Floor:** 613 – Room, 616 – Office **7th Floor:** 701 - Judges Chambers, 703 – Room, 704 – Room, 705 - Room, 707 - Judges Chambers, 730 Courtroom, 740 – Courtroom **7th Floor Mezzanine:** 711M – Room, 763M – Room, 764M – Room, 765M – Room, 780M – Room 787M - Room	RACM	54 MJPs
HA 07 - Corrugated pipe insulation	**3rd Floor:** 300D – Closet **5th Floor:** 500D – Closet **10th Floor:** 1090 - Attic Space **10th Floor Mezzanine:** 1081AM - Ceiling Void	RACM	77 Linear Feet
HA 07 - Mudded joint packings on corrugated pipe insulation	**5th Floor:** 500D – Closet	RACM	2 MJPs

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 08 - Layered paper pipe insulation	**Basement:** B101 - Machinery Room **Ground Floor:** 000E- Room, 050 – Room, 051 – Garage, **1st Floor:** 100BM – Closet, 100DM – Closet, and 152 - Office **1st Floor Mezzanine:** 100C – Closet, 100E – Closet and 157M - Mechanical **2nd Floor:** 200C – Room, 200E – Room, 228 – Mechanical, 249A – Closet, 250 – Room and 251 - Room **3rd Floor:** 300E – Closet and 340 - Jury Room **3rd Floor Mezzanine:** 300DM – Room, 320M – Shop and 340M - Storage **4th Floor:** 400E – Closet, 401 Judge Chamber, 411 Office **4th Floor Mezzanine:** 400EM - Room **5th Floor:** 500E – Closet, 511 - Judges Chamber and 517 - Judges Chamber **5th Floor Mezzanine:** 505M - Mechanical **6th Floor:** 600E - Closet, 601 - Judges Chambers, 607 - Judges Chambers, 611 - Judges Chambers, 615 – Office, 617 - Judges Chambers **6th Floor Mezzanine:** 601AM - Fan Room and 607M - Fan Room, S660M – Stair, 611AM - Fan Room, 617AM - Fan Room **7th Floor:** 700D – Closet, 700E – Closet, 701 – Room, 711 – Room, 715 – Room **7th Floor Mezzanine:** 745M – Mechanical and 784M – Room, 729M – Room, 770M – Room **8th Floor:** 800 - Main Lobby, 800D – Closet, 800E – Closet and 860 - Division 10 Court Room, 801 - Judges Chamber, 807 – Room, 811 - Judges Chamber, 817 - Judges Chamber **8th Floor Mezzanine:** 811AM - Mechanical and 817AM – Mechanical, Above ceilings of Courtrooms 860 and 880 **9th Floor:** 966 – Mechanical **10th Floor:** 1041 - Print/Storage and 1090M - Attic Space	RACM	1,746 Linear Feet

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 09 - Mudded joint packings with layered paper pipe insulation	**Basement:** B101 - Machinery Room **Ground Floor:** 000E- Room, 050 – Room, 051 – Garage, **1st Floor:** 100BM – Closet, 100DM – Closet, and 152 - Office **1st Floor Mezzanine:** 100C – Closet, 100E – Closet and 157M - Mechanical **2nd Floor:** 200C – Room, 200E – Room, 228 - Mechanical and 251 - Room **3rd Floor:** 300E – Closet and 340 - Jury Room **3rd Floor Mezzanine:** 300DM – Room, 320M – Shop and 340M - Storage **4th Floor:** 400E – Closet **4th Floor Mezzanine:** 400EM - Room **5th Floor:** 500E – Closet, 511 - Judges Chamber and 517 - Judges Chamber **5th Floor Mezzanine:** 505M - Mechanical **6th Floor:** 600E - Closet, 601 - Judges Chambers, 607 - Judges Chambers, 615 – Office **6th Floor Mezzanine:** 601AM - Fan Room and 607M - Fan Room, S660M – Stair **7th Floor:** 700D – Closet, 700E – Closet, 715 – Room **7th Floor Mezzanine:** 745M – Mechanical and 784M – Room, **8th Floor:** 800 - Main Lobby, 800D – Closet, 800E – Closet and 860 - Division 10 Court Room **8th Floor Mezzanine:** 811AM - Mechanical and 817AM – Mechanical, Above ceilings of Courtrooms 860 and 880 **9th Floor:** 966 – Mechanical **10th Floor:** 1041 - Print/Storage and 1090M - Attic Space	RACM	105 MJPs

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 10 - Mudded joint packings and mudded seams at 3' intervals with fiberglass pipe insulation	**Basement:** B101 - Machinery Room and B127 - Boiler Room **5th Floor:** 514 – Office **5th Floor Mezzanine:** 517M - Jury **6th Floor Mezzanine:** 614M – Storage, 616M - Jury Consultation and 617M - Jury Deliberation **7th Floor Mezzanine:** 713M - Room **10th Floor:** 1047A – Restroom pipe chase and 1090M - Attic Space **10th Floor Mezzanine:** 1080AM - Ceiling Void and 1087M - Storage **12th Floor:** 1220 - NE Quadrant and 1280 - NW Quadrant **13th Floor:** 1302 - Toilet and 1320 - NE Quadrant **14th Floor:** 1420 - NE Quadrant, 1420A - Observation Office, 1440 - S/E Quadrant, 1460 - S/W Quadrant and 1480 - N/W Quadrant **15th Floor:** 1540 - Storage	RACM	419 MJPs and Mudded Seams
HA 11 - Spray applied fireproofing	**14th Floor:** 1401 – Corridor, 1420 - NE Quadrant, 1420A - Observation Office, 1440 - S/E Quadrant, 1460 - S/W Quadrant,1480 - N/W Quadrant	RACM	19,504 Square Feet
HA 12 - Acoustic ceiling plaster	**2nd Floor:** 229 – Room, 245 - Office	RACM	464 Square Feet
HA 13 - Acoustic ceiling plaster	**2nd Floor:** 267 – Office, 279 – Conference	RACM	558 Square Feet
HA 15 - Acoustic ceiling plaster	**14th Floor:** 1400 - Office Space	RACM	468 Square Feet
HA 48 - 2' x 4' Wormhole with texture pattern ceiling tile	**12th Floor:** 1240 - SE Quadrant	RACM	516 Square Feet
HA 49 - 9" x 9" Brown with white floor tile	**12th Floor:** 1240 - SE Quadrant	Category I Nonfriable	180 Square Feet

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 50 - 9” x 9” Gray floor tile and mastic	**Ground Floor:** 028 – Toilet, 040 – Reception, 041 – Office, 042 – Office, 043 – Office and 044 - Office **1st Floor:** 122 – Room, 122A – Closet, 123 – Room, 185A – Closet and 185B – Closet **4th Floor Mezzanine:** 400DM – Room, 411M - Jury Room, 412M - Jury Consultation, 460M - Open Office**,** 461M - Office **7th Floor:** 701 - Judges Chambers, 701A – Closet, 704 – Room, 705 – Room, 707A – Closet, 708 – Room, 713 – Room, 713A – Closet, 714 – Room, 715 – Room, 717C – Room, 720 – Courtroom, 721 – Office, 721A – Closet, 721B – Toilet, 722 - Open Office, 722A – Closet, 723 – Corridor and 740 - Courtroom **7th Floor Mezzanine:** 780M – Room, 786M – Room, 787BM – Room, 787M – Room, 788M – Room **8th Floor:** 821 - Room **8th Floor Mezzanine:** 801AM – Restroom, 801BM – Restroom, 801M – Room, 802M – Room, 803M – Room, 804M - Open Office, 805M – Office, 806M – Storage, 807M – Mechanical, 811M - Jury Room, 812M – Office, 814M – Room, 816M – Office, 817M - Jury Room, S823M – Corridor, S824M – Corridor, S825M – Storage, S860M – Stair, S882M – Stair **9th Floor:** 912 – Corridor, 984 – Corridor and 985 - Conference Room	Category I Nonfriable	13,693 Square Feet
HA 51 - 9” x 9” Various colors floor tile and mastic	**2nd Floor:** 225 - Room, 225A – Room and 225B – Room, 249 – Room, 249A – Closet, 250 - Room **3rd Floor:** 324A - Closet **4th Floor:** 411A – Closet **5th Floor Mezzanine:** 505M – Mechanical, 516AM – Toilet, 516M – Room, 517BM – Toilet and 517M – Jury **6th Floor Mezzanine:** 615M - Mechanical **7th Floor Mezzanine:** 788M – Room, 702M – Room, 703M – Room, 704M – Room, 705M – Room, 729M – Mechanical, 732M – Room, 733M – Room, 733M – Room, 734M – Corridor, 740M – Room, 743M – Room, 744M – Room, 746M – Room, 747M – Room, 748M – Room, 749M – Room and 750M – Room **8th Floor:** 892 – Room **11th Floor:** 1162 - Office	Category I Nonfriable	4,439 Square Feet
HA 52 - 12” x 12” Gray with gray and white floor tile and mastic	**Ground Floor:** 021 - Room	Category I Nonfriable	120 Square Feet

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 54 - 12" x 12" Green with white floor tile and mastic	**Ground Floor:** 060 - Open Office, 065 – Breakroom, 066 – Room, 092 – Room, 093 – RAF and 094 - Closet **2nd Floor:** 224 – Office, 225 – Room, 226 – Office, 227 – Room, 236 – Office, 237 – Office, 238 – Office, 239 – Office, 240 - Executive Office Reception, 243 – Office, 244 – Office, 245 - Office and 246 - Office	Category I Nonfriable	5,913 Square Feet
HA 55 - 12" x 12" Brown with brown and white floor tile and mastic	**Ground Floor:** 054 – Hall, 055 – Restroom and 056 - Restroom **3rd Floor Mezzanine:** 323M - Room	Category I Nonfriable	259 Square Feet
HA 56 - 12" x 12" Tan with black floor tile and mastic	**Ground Floor:** 045 – Storage, 047 - Break Room, 048 – Toilet, 064 – Office and 094 – Closet **4th Floor:** 417A – Closet **4th Floor Mezzanine:** 400DM – Room and 440M - Open Office **8th Floor:** 821 – Room, 822 – Room, 823 – Room, 824 – Corridor and 891 - Room **8th Floor Mezzanine:** 801AM – Restroom, 801BM – Restroom, 801M – Room, S801 – Stair, S801M – Stair, S823M – Corridor, S824M – Corridor and S825M – Storage	Category I Nonfriable	3,453 Square Feet
HA 57 - 12" x 12" Brown with black border floor tile and mastic	**Ground Floor:** 091 - GG **1st Floor:** 120 – Reception, 142A – Closet, 144 – Room, 145 – Room, 150 - Open Office, 150A – Closet, 150B – Closet, 155 – Break, 160 - Open Office, 160A – Closet, 160B - Closet #7, 161 – Office, 162 – Office, 163 - Office and 163A - Closet	Category I Nonfriable	10,394 Square Feet
HA 60 - 12" x 12" Tan with brown floor tile and mastic	**2nd Floor:** 220 – Room, 221 – Room, 222 – Conference, 223 – Office, 225 – Room, 225C – Room, 229 – Room, 229A – Room, 230 – Room, 231 – Office, 232 – Office, 234 – Office, 242 – File Room, 247 – Office and 249 – Room	Category I Nonfriable	3,154 Square Feet
HA 61 - 12" x 12" Tan floor tile and mastic	**2nd Floor:** 261A – Room, 262 – Room and 263 - Office	Category I Nonfriable	1,017 Square Feet
HA 62 - 12" x 12" Tan with gray dents floor tile and mastic	**3rd Floor:** 302 - Storage and 321 - Corridor **3rd Floor Mezzanine:** 360M - Conference Room, 361M – Office and 362M – Office **4th Floor:** 416A – Room and 464 – Room **4th Floor Mezzanine:** 417AM – Men's, 417BM – Women's, 417M – Jury and 460M – Open Office **6th Floor:** 680 – Court Room **14th Floor:** 1420A - Observation Office	Category I Nonfriable	3,089 Square Feet
HA 64 - 12" x 12" White with black floor tile and mastic	**7th Floor:** 717 - Judges Chamber	Category I Nonfriable	330 Square Feet

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 65 - Mastic beneath 12" x 12" Brown with reddish brown rubberized floor tile	**7th Floor Mezzanine:** 700M - Main Lobby, 720M – Room, 721M – Room and 722M - Room **8th Floor:** 800 - Main Lobby, 800 - Main Lobby/ Division 18 Lobby, 860 - Division 10 Court Room and 880 - Division 11 Court Room	Category I Nonfriable	5,370 Square Feet
HA 66 - Mastic beneath 12" x 12" Green rubberized floor tile	**7th Floor:** 700M - Main Lobby **8th Floor:** 800 - Main Lobby, 800 - Main Lobby/ Division 18 Lobby, 800F – Closet and 880 - Division 11 Court Room	Category I Nonfriable	732 Square Feet
HA 69 - Mastic beneath 12" x 12" Gray rubberized floor tile	**8th Floor:** 817 - Judges Chamber and 817A - Room	Category I Nonfriable	455 Square Feet
HA 71 - 12" x 12" Tan checkerboard floor tile	**10th Floor:** 1032 - Break Area, 1041 - Storage	Category I Nonfriable	65 Square Feet
HA 72 - 12" x 12" Beige with light brown streaks floor tile and mastic	**1st Floor Mezzanine:** 163M - Office **4th Floor Mezzanine:** 440M - Open Office **11th Floor:** 1123 – Conference Room, 1124 – Office, 1125 – Office, 1126 – Office, 1127 – Office and 1128 – Office	Category I Nonfriable	1,960 Square Feet
HA 73 - Mastic beneath 12" x 12" Gray with gray streaks floor tile	**12th Floor:** 1240 – S/E Quadrant	Category I Nonfriable	1,440 Square Feet
HA 74 - 12" x 12" Brown mottle floor tile and mastic	**15th Floor:** 1520 – Corridor, 1521 – Storage, 1522 – Storage, 1523 – Storage, 1524 – Storage, 1580 - Storage Corridor, 1581 – Toilet, 1582 – Corridor, 1583 – Toilet, 1584 – Corridor, 1584A - F.P., 1585 – Storage, 1586 – Storage, 1587 – Storage, 1588 – Storage, 1589 – Storage, 1590 – Storage and 1591 – Storage	Category I Nonfriable	7,247 Square Feet
HA 90 - Black sink undercoating	**Ground Floor:** 047 - Break Room and 065 – Breakroom **8th Floor:** 826 - Room **14th Floor:** 1440 - S/E Quadrant	Category II Nonfriable	4 Sinks
HA 93 - Woven vibration joint cloth	**4th Floor:** 414 – Room, 415 – Room and 416 – Room **4th Floor Mezzanine:** 460M - Open Office and 461M – Office	Category II Nonfriable	11 Square Feet
HA 94 - Corrugated cement panels	**Basement:** B128 - Transformer Room **12th Floor:** 1200 - Room	Category II Nonfriable	346 Square Feet
HA 95 - Electric panel insulators	**Basement:** B128 - Transformer Room **5th Floor Mezzanine:** 501AM – Mechanical, 507AM – Mechanical, 511AM – Mechanical, 517AM – Mechanical **6th Floor Mezzanine:** 601AM - Fan Room, 605M - Fan Room, 607AM – Fan Room, 611AM – Mechanical **12th Floor:** 1200 – Room **15th Floor:** 1560 – Boiler Room	Category II Nonfriable	14 Insulators

Homogenous Area (HA) and Material Description	Material Location	NESHAP Classification	Estimated Quantity
HA 96 - Metal fire doors	**Basement:** B100 - Room **Ground Floor:** S001 – Stair, S002 – Stair, 094 – Room and 095 – Room **2nd Floor:** S202 - Stair **3rd Floor:** S301 – Stair and S302 – Stair **3rd Floor Mezzanine:** 302M – Corridor, 320M – Shop, 363M - Corridor and 381M – Hallway **4th Floor Mezzanine:** 441M - Room **5th Floor: 500 - Main Lobby** **6th Floor:** S602 – Stair **7th Floor:** S701 - Stairwell and 783 - Corridor **7th Floor Mezzanine:** S701M - Stair **8th Floor:** 814M – Room, 823 – Room, 891M – Room and S802 – Stair **8th Floor Mezzanine:** S823M - Corridor **9th Floor:** S902 – Stairwell and 963 – Office **12th Floor: 1200 – Room**	Category II Nonfriable	35 Doors
HA 100 - Exterior window caulking	Exterior of building at perimeter of windows, asbestos caulking is located beneath newer caulking	Category II Nonfriable	840 metal frame windows

RACM – Regulated Asbestos Containing Materials

The above listed RACM must be removed by a state of Missouri licensed abatement contractor prior to any activities (renovation and/or demolition) that may disturb this material in accordance with applicable federal, state and local regulations.

The above listed Category I non-friable ACM that is damaged or could be damaged to the extent that it could be crumbled, pulverized or reduced to powder when dry, making it friable, must be removed prior to any activities (renovation and/or demolition) that may disturb this material in accordance with applicable federal, state and local regulations.

The above listed Category II non-friable ACM that has a high probability of becoming crumbled, pulverized, or reduced to powder when dry, making it friable, must be properly removed prior to any activities (renovation and/or demolition) that may disturb this material in accordance with applicable federal, state and local regulations. USEPA believes that most demolition activities will subject Category II non-friable ACM to the asbestos NESHAP regulation.

Asbestos was detected at less than 1% in samples collected from the following materials:

Material Description	Material Location	NESHAP Classification	Estimated Quantity
Gypsum wallboard with joint compound and tape	Located in areas throughout building on walls and ceilings	Category II Nonfriable	159,265 Square Feet

<1% - Materials containing 1% or less asbestos are not regulated by NESHAP or AHERA; however, the OSHA personal exposure limits (0.1 f/cc of air as an eight-hour time weighted average or 1.0 f/cc of air over 30 minutes) for asbestos apply when materials containing 1% asbestos or less are disturbed during renovations or demolitions. A listing of materials that contain 1% asbestos or less is provided above to enable the renovation/demolition contractor to make appropriate decisions concerning compliance issues with applicable OSHA regulations.

Assumed Asbestos containing materials:

Material Description	Material Location	NESHAP Classification	Estimated Quantity
1" and 2" Green floor ceramic	**7th Floor:** 791 - Men's Restroom and 793 - Women's Restroom **7th Floor Mezzanine:** 707AM – Restroom, 741M - Men's, 742M - Women's and 793M - Restroom **8th Floor:** 811A – Toilet, 817B - Toilet, 865 – Room, 885 – Room and 893 - Men's Restroom **8th Floor Mezzanine:** 811BM – Toilet**,** 812AM – Toilet and 892M - Women's Restroom	Category II Nonfriable	767 Square Feet
1" Brown wall ceramic	**4th Floor:** 417B - Toilet	Category II Nonfriable	72 Square Feet
12" Tan floor ceramic	**4th Floor:** 411B - Toilet	Category II Nonfriable	25 Square Feet
12" x 12" Tan with light brown floor tile and mastic	**5th Floor Mezzanine:** 514M - Room	Category I Nonfriable	388 Square Feet
12" x 12" White with black floor tile and mastic	**7th Floor:** 722A - Closet	Category I Nonfriable	16 Square Feet

Material Description	Material Location	NESHAP Classification	Estimated Quantity
3" x 5" White wall ceramic	**4th Floor:** 401B – Toilet and 495 - Restroom **5th Floor:** 501B – Toilet, 507B – Toilet, 543 – Toilet and 593 – Room **5th Floor Mezzanine:** 501BM – Toilet, 502AM – Room, 504M – Room, 506AM – Toilet and 507BM - Toilet **6th Floor:** 601B – Toilet, 607B – Toilet, 645 – Toilet and 693 – Restroom **6th Floor Mezzanine:** 601BM – Toilet, 602AM – Toilet, 606AM – Toilet and 607BM – Toilet	Category II Nonfriable	1,315 Square Feet
4" Beige wall ceramic	**7th Floor:** 711B - Toilet	Category II Nonfriable	72 Square Feet
4" Tan wall ceramic	**6th Floor:** 685 – Break **7th Floor:** 707B – Toilet **8th Floor:** 827 – Room **8th Floor Mezzanine:** 801AM – Restroom and 801BM – Restroom	Category II Nonfriable	274 Square Feet
4" White wall ceramic	**1st Floor:** 151AM - Closet **4th Floor:** 462 - Room **4th Floor Mezzanine:** 401BM – Toilet and 402AM – Toilet **7th Floor:** 701B – Toilet and 722B – Toilet **8th Floor:** 801B – Room and 865 – Room **9th Floor:** 986 – Toilet **10th Floor:** 1088M – Restroom	Category II Nonfriable	631 Square Feet
4" White w/ tan texture wall ceramic	**7th Floor Mezzanine:** 787M – Room	Category II Nonfriable	80 Square Feet
6" Tan wall ceramic	**3rd Floor:** 384 – Break	Category II Nonfriable	30 Square Feet
8" White marble wall ceramic	**7th Floor:** 717B - Toilet	Category II Nonfriable	72 Square Feet
Green ceramic cove base	**9th Floor:** 965A – Toilet	Category II Nonfriable	22 Linear

Material Description	Material Location	NESHAP Classification	Estimated Quantity
Grey sink undercoating	**Ground Floor:** 080 - Open Office **1st Floor:** 163M – Office,180M – Office Space and 181M – Break **2nd Floor:** 225A – Room and 242 – File Room **5th Floor:** 583 – Room **6th Floor Mezzanine:** 617M – Jury Deliberation **9th Floor:** 905 – Jury Room and 911 – Break **10th Floor:** 1065 - Break Area	Category II Nonfriable	12 Sinks
Vault door	**1st Floor:** 151 - Vault	Category II Nonfriable	2 Doors
12" x 24" Grey floor ceramic	**4th Floor:** 401B - Toilet	Category II Nonfriable	18 Square Feet
12" x 24" Tan floor ceramic	**7th Floor:** 711B - Toilet	Category II Nonfriable	20 Square Feet
12" x 12" Dark brown mottle floor tile on asbestos containing floor tile See HA 64	**Ground Floor:** 047 – Break Room and 048 – Toilet	Category II Nonfriable	129 Square Feet
12" x 12" Tan floor ceramic	**7th Floor:** 707B – Toilet	Category II Nonfriable	25 Square Feet

The above listed materials could not be sampled without causing damage to the materials. These materials should be sampled before any renovation or demolition activities that may disturb them.

Several newer types of plastic flooring were observed during the survey and were noted in the spreadsheet provided to the client as HA 103. These newer floorings are considered non-suspect for asbestos.

Additional pipe insulation may be located in inaccessible wall voids or above hard plaster ceilings. If additional hidden materials are encountered during demolition of these types of areas, these materials should be assumed asbestos until assessed by a licensed asbestos inspector (and sampled if necessary). Identified Asbestos Containing Materials by Homogenous Area are presented in Appendix A, Materials Containing 1% or less Asbestos by Homogenous Area are presented in Appendix B and Assumed Asbestos Containing Materials are presented in Appendix C. The Asbestos Survey Sample Summary is presented in Appendix D. Asbestos Analytical Laboratory reports are included in Appendix E. Asbestos Material Location Drawings are presented in Appendix F.

4.0 HAZARDOUS BUILDING MATERIALS ASSESSMENT

Materials such as PCBs, Mercury, CFCs, batteries and radioactive sources can be found in building components. These materials are considered environmental hazards and require special precautions if they will be removed in association with the renovation to prevent their entry into the environment. On occasion, manufacturers will label the equipment regarding the presence or absence of a hazardous material.

4.1 PCBs

PCBs range from clear, oily liquids to white or yellowish waxy solids, depending on the degree of chlorination. They are stable, thermoplastic and non-flammable materials that found chief use in insulation for electric cables and wires in the production of electric condensers and additives for extreme pressure lubricants. Light ballasts can contain about one ounce of the toxic substance. The transportation, disposal and spill clean-up of PCB-containing ballasts is regulated by the Toxic Substances Control Act (TSCA), which is found in 40 CFR Part 261.

Terracon conducted a representative visual assessment of light fixtures and pad-mounted electrical transformers to characterize PCB content. Typically, ballasts manufactured prior to 1979 are presumed to contain PCBs unless clearly marked as containing “No PCBs”. Ballasts that do not contain a “No PCBs” label are presumed to be PCB-containing.

Transformers sometimes contain mineral oil, which may contain minor amounts of PCB and could be considered “PCB contaminated” (PCB content of 50-500 ppm).

4.2 Mercury

Metallic mercury is a silver-white liquid at room temperature. Elemental and inorganic mercury compounds are used in manufacturing scientific instruments, electric equipment, mercury vapor lamps and high intensity discharge (HID) lights. Mercury is considered a hazardous material due to its ability to bioaccumulate within the environment. Recycling mercury-containing components reduces the load of mercury entering the environment.

4.3 CFC

A chlorofluorocarbon (CFC) is an organic compound that consists of carbon, hydrogen, chlorine, and fluorine. Many CFCs have been widely used as refrigerants, propellants, and solvents. Chlorofluorocarbons are believed to cause depletion of the atmospheric ozone layer.

4.4 Batteries

Batteries containing nickel-cadmium and lead-acid can be found in emergency lighting, exit signs, and alarm systems. The nickel-cadmium and lead-acid contained in these batteries, are considered to be toxic.

4.5 Radioactive Sources

There are several types of smoke detectors and fire alarms. Ionization chamber and photoelectric smoke detectors are the two most common types available commercially. Ionization chamber smoke detectors contain a small amount of radioactive material encapsulated in a metal chamber. Typically, the radioactive material is a composite of americium-241.

4.6 Findings

PCBs

One potential PCB containing oil reservoir in the 6th Floor Mezzanine mechanical room designated 611AM.

Interior building areas were observed to have approximately 4,571 potential PCB containing fluorescent light ballasts.

Mercury

Interior building areas were observed to have approximately 9,002 potential mercury-containing fluorescent light bulbs. Approximately 44 mercury containing mercury switches and thermometers were observed.

CFCs and Refrigerants

One backup cooling unit that could potentially contain CFC`s or other hazardous refrigerants was observed on the 12th Floor in the SE Quadrant during the assessment.

Batteries

Approximately 74 exits signs and 36 emergency light that could potentially contain nickel-cadmium and lead-acid batteries were observed in interior building areas.

Identified items should be removed intact, segregated, packaged and recycled in accordance with applicable state and federal regulations prior to renovation of the building.

5.0 GENERAL COMMENTS

Terracon did not perform sampling which required demolition or destructive activities such as dismantling of equipment or removal of protective coverings. Reasonable efforts to access suspect materials within known areas of restricted access (e.g., crawl spaces) were made; however, confined spaces or areas which may pose a health or safety risk to Terracon personnel were not sampled. Sampling did not include suspect materials which could not be safely reached with available ladders/man-lifts. Terracon did not sample suspect materials that may be present in movable equipment such as freezers, kitchen equipment and hoods. Terracon typically investigated for flooring beneath carpeting by lifting small corner sections of carpet. If tiles were seen, they have been identified in the report. If tiles were not seen at corners under the carpet, it does not imply that there are no tiles beneath the carpeted floor. Terracon did not conduct destructive investigation of doors in the building to determine if the doors were insulated for fire-rating purposes.

This survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during Terracon's survey of the building. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by SFS Architecture, Inc. and is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information that may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

Jackson County Courthouse
415 East 12th Street
Kansas City, Jackson County, Missouri
IDENTIFIED ASBESTOS CONTAINING MATERIALS BY HOMOGENEOUS AREA (HA)

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
02	Mudded joint packings and mudded seams at 3' intervals with mineral wool pipe insulation	**Basement:** B101 - Machinery Room, B123 - Pump Room, B125 – Office, B127 - Boiler Room, B128 – Above Transformer Room, Tunnels **Ground Floor:** 000C – Room, 000D- Room, 001 – Vestibule, 002 – Vestibule, 020 - Open Office, 023 – Office, 024 – Storage, 025 – Room, 026 – Conference, 041 – Office, 044 – Office, 045 – Storage, 046 - Mail Room, 050 – Room, 051 – Garage, 057 – Electrical, 060 - Open Office, 064 – Office, 083 – Office, 084 – Office, 085 – Mechanical, 088 - IT Crowd, 091 – GG, 092 – Room, 093 - Room **1st Floor:** 100C – Closet, 103 – Room, 104 – Room, 122 – Room, 125 – Open Office, 127 – Office, 128 – Office, 129 – Open Office, 130 – Office, 140 – Open Office, 141 – Office, 142 – Room, 147 – Vault, 150 - Open Office, 152 – Office, 154 – Office, 160 – Open Office, 184 – Room, 185A – Closet **1st Floor Mezzanine**: 100BM – Closet, 100DM – Closet, 120M – Open Office, 128M – Office, 129M – Office, 140M – Corridor, 141M – Room, 142M – Mechanical, 150M – Corridor, 161M – Office,163M – Office, 186M – Mechanical, 187M - Open Office, 188M – Office, 189AM – Closet, 189M – Storage, 126AM – Mechanical and 126M – Mechanical, East and West Open areas **2nd Floor:** 200B – Storage, 200C – Room, 200D – Storage, 201 – Lobby, 226 – Office, 228 - Mechanical, 233 – Office, 234 – Office, 235 – Office, 239 – Office, 243 – Office, 245 – Office, 246 – Office, 247 – Office, 249A Closet, 250 – Room, 262 – Room, 264 – Office, 266 – Office, 272 – Office, 273 – Office, 275 Office, 278 – Office, 279 – Conference, 280 - Courtroom **3rd Floor:** 300C – Electrical, 324A – Closet, 348 - Restroom Vestibule, 350 - Women's Restroom, 360 - Clerks Office, 363 – Office and 380 - Clerks Office, Piping at floor along perimeter walls ***Table section continued on next page***	70% Chrysotile	RACM	Damaged	4,026 MJPs and Mudded Seams

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
02	Mudded joint packings and mudded seams at 3' intervals with mineral wool pipe insulation	***Table section continued from previous page*** **7th Floor:** 700B – Room, 700C – Room, 700D – Closet, 709 – Room, 710 – Courtroom, 711 – Room, 712 – Room, 713 – Room, 714 – Room, 715 – Room, 717 – Judges Chamber, 720 – Courtroom, 721 – Office, 722 - Open Office, 730 – Courtroom, 740 – Courtroom **7th Floor Mezzanine:** 700CM – Closet, 701M – Room, 702M – Room, 703M – Room, 705M – Room, 707M – Room, 710M – Room, 715M – Room, 717M – Room, 726M – Room, 727M – Room, 728M – Room, 746M – Room, 747M – Room, 788M – Room **8th Floor:** 800B – Closet, 800C – Electrical, 800D – Closet, 801 - Judges Chamber, 803 – Room, 806 – Room, 807 – Room, 811 - Judges Chamber, 812 – Office, 814 – Office, 816 – Office, 817 – Judges Chamber, 820 – Division 18 Court, 821 – Room, 840 - Court Services Room 800, 860 - Division 10 Court Room, 880 - Division 11 Court Room, 891 – Room, 892 - Room **8th Floor Mezzanine:** 801M – Room, 802M - Room 803M – Room, 804M - Open Office, 807M – Mechanical, 811M - Jury Room, 814M – Room, 817M – Jury Room, 891M – Room, In perimeter walls of courtrooms and south center pipe chases **9th Floor:** 900 – Main Lobby and Service Hall, 900B – Closet, 900C – Mechanical, 900D – Closet, 901 – Judges Chambers, 902 – Office, 905 – Jury Room, 906 – Office, 907 - Judges Chambers, 911 – Break, 917 – Office, 920 - Probate Court, 925 - Division 6, 940 - Court Room, 941 – Office, 960 - Combat Office, 964 - Office, 965 – Office, 985 - Conference Room, 996 – Office ***Table section continued on next page***	70% Chrysotile	RACM	Damaged	4,026 MJPs and Mudded Seams

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
02	Mudded joint packings and mudded seams at 3' intervals with mineral wool pipe insulation	***Table section continued from previous page*** **10th Floor:**1000 – Lobby, 1000A – Electrical,1000B – Closet, 1000C – Mechanical, 1000D – Closet, 1011 – Office, 1012 – Office, 1013 – Office, 1015 – Jury Room, 1016 – Office, 1017 – Judges Chambers, 1021 - Conference Room, 1026 – Office, 1027 – Office, 1028 – Office, 1029 – Office, 1030 – Office, 1045 – Office, 1046 – Office, 1047 – Office, 1049 – Office, 1060 – Courtroom, 1080 – Human Resources for District Court **10th Floor Mezzanine:**1080AM - Ceiling Void, 1080M - Corridor 1081AM - Ceiling Void, 1081BM - Ceiling Void, 1081M – Mechanical, 1082M – Storage, 1083M – Storage, 1085M – Room, 1086M – Mechanical, 1090 - Attic Space, S1001M – Stairwell **11th Floor:** 1100C – Mechanical, S1101 – Stair, S1102 - Stair **12th Floor:** 1200 – Room, 1220 - NE Quadrant, 1240 - SE Quadrant, 1260 – SW Quadrant, 1280 - NW Quadrant, S1201 – Stairwell and S1202 – Stairwell **13th Floor:** 1300 – Room, 1302 – Toilet, 1320 - NE Quadrant, 1340 - SE Quadrant, 1360 - SW Quadrant, 1380 - NW Quadrant, S1301 – Stairwell, S1302 - Stairwell **14th Floor:** 1401 – Corridor, 1420A - Observation Office, 1440 - S/E Quadrant, 1460 - S/W Quadrant, 1480 - N/W Quadrant, S1402 - Stairwell **15th Floor:** 1500 - Elevator Equipment, 1522 – Storage, 1523 – Storage, 1542 – Storage, 1560 – Boiler Room, 1581 – Toilet, 1583 – Toilet, 1584 – Corridor, 1586 – Storage, 1587 – Storage, 1588 – Storage, 1589 – Storage, 1590 – Storage, 1591 – Storage, S1501 – Stairwell and S1502 - Stairwell	70% Chrysotile	RACM	Damaged	4,026 MJPs and Mudded Seams

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
04	Mudded joint packings and mudded seams at 3' intervals with mineral wool and tarpaper pipe insulation	**3rd Floor Mezzanine:** 320M – Shop, 326M - Storage, 340M – Storage, 380M –Mechanical, 360M - Conference Room, 361M – Office, 362M – Office, 364AM – Room	65% Chrysotile	RACM	Damaged	124 MJPs and Mudded Seams
05	Preformed white block pipe insulation	**Basement:** B127 - Boiler Room **5th Floor:** 512 – Room **6th Floor:** 613 – Room, 616 – Office **7th Floor:** 701 - Judges Chambers, 703 – Room, 704 – Room, 705 - Room, 707 - Judges Chambers, 725 – Courtroom, 730 Courtroom, 740 – Courtroom **7th Floor Mezzanine:** 711M – Room, 763M – Room, 764M – Room, 765M – Room, 780M – Room 787M - Room	10% Chrysotile 15% Amosite	RACM	Damaged	332 Linear Feet
06	Mudded joint packings with preformed white block pipe insulation	**Basement:** B127 - Boiler Room **5th Floor:** 512 – Room **6th Floor:** 613 – Room, 616 – Office **7th Floor:** 701 - Judges Chambers, 703 – Room, 704 – Room, 705 - Room, 707 - Judges Chambers, 730 Courtroom, 740 – Courtroom **7th Floor Mezzanine:** 711M – Room, 763M – Room, 764M – Room, 765M – Room, 780M – Room 787M - Room	65% Chrysotile	RACM	Damaged	54 MJPs
07	Corrugated pipe insulation	**3rd Floor:** 300D – Closet **5th Floor:** 500D – Closet **10th Floor:** 1090 - Attic Space **10th Floor Mezzanine:** 1081AM - Ceiling Void	75% Chrysotile	RACM	Damaged	77 Linear Feet
07	Mudded joint packings on corrugated pipe insulation	**5th Floor:** 500D – Closet	75% Chrysotile	RACM	Damaged	2 MJPs

08	Layered paper pipe insulation	**Basement:** B101 - Machinery Room **Ground Floor:** 000E- Room, 050 – Room, 051 – Garage, **1st Floor:** 100BM – Closet, 100DM – Closet, and 152 - Office **1st Floor Mezzanine:** 100C – Closet, 100E – Closet and 157M - Mechanical **2nd Floor:** 200C – Room, 200E – Room, 228 – Mechanical, 249A – Closet, 250 – Room and 251 - Room **3rd Floor:** 300E – Closet and 340 - Jury Room **3rd Floor Mezzanine:** 300DM – Room, 320M – Shop and 340M - Storage **4th Floor:** 400E – Closet, 401 Judge Chamber, 411 Office **4th Floor Mezzanine:** 400EM - Room **5th Floor:** 500E – Closet, 511 - Judges Chamber and 517 - Judges Chamber **5th Floor Mezzanine:** 505M - Mechanical **6th Floor:** 600E - Closet, 601 - Judges Chambers, 607 - Judges Chambers, 611 - Judges Chambers, 615 – Office, 617 - Judges Chambers **6th Floor Mezzanine:** 601AM - Fan Room and 607M - Fan Room, S660M – Stair, 611AM - Fan Room, 617AM - Fan Room **7th Floor:** 700D – Closet, 700E – Closet, 701 – Room, 711 – Room, 715 – Room **7th Floor Mezzanine:** 745M – Mechanical and 784M – Room, 729M – Room, 770M – Room **8th Floor:** 800 - Main Lobby, 800D – Closet, 800E – Closet and 860 - Division 10 Court Room, 801 - Judges Chamber, 807 – Room, 811 - Judges Chamber, 817 - Judges Chamber **8th Floor Mezzanine:** 811AM - Mechanical and 817AM – Mechanical, Above ceilings of Courtrooms 860 and 880 **9th Floor:** 966 – Mechanical **10th Floor:** 1041 - Print/Storage and 1090M - Attic Space	30% Chrysotile	RACM	Damaged	1,746 Linear Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
09	Mudded joint packings with layered paper pipe insulation	**Basement:** B101 - Machinery Room **Ground Floor:** 000E- Room, 050 – Room, 051 – Garage, **1st Floor:** 100BM – Closet, 100DM – Closet, and 152 - Office **1st Floor Mezzanine:** 100C – Closet, 100E – Closet and 157M - Mechanical **2nd Floor:** 200C – Room, 200E – Room, 228 - Mechanical and 251 - Room **3rd Floor:** 300E – Closet and 340 - Jury Room **3rd Floor Mezzanine:** 300DM – Room, 320M – Shop and 340M - Storage **4th Floor:** 400E – Closet **4th Floor Mezzanine:** 400EM - Room **5th Floor:** 500E – Closet, 511 - Judges Chamber and 517 - Judges Chamber **5th Floor Mezzanine:** 505M - Mechanical **6th Floor:** 600E - Closet, 601 - Judges Chambers, 607 - Judges Chambers, 615 – Office **6th Floor Mezzanine:** 601AM - Fan Room and 607M - Fan Room, S660M – Stair **7th Floor:** 700D – Closet, 700E – Closet, 715 – Room **7th Floor Mezzanine:** 745M – Mechanical and 784M – Room, **8th Floor:** 800 - Main Lobby, 800D – Closet, 800E – Closet and 860 - Division 10 Court Room **8th Floor Mezzanine:** 811AM - Mechanical and 817AM – Mechanical, Above ceilings of Courtrooms 860 and 880 **9th Floor:** 966 – Mechanical **10th Floor:** 1041 - Print/Storage and 1090M - Attic Space	25% Chrysotile PC 5% Amosite	RACM	Damaged	105 MJPs

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
10	Mudded joint packings and mudded seams at 3' intervals with fiberglass pipe insulation	**Basement:** B101 - Machinery Room and B127 - Boiler Room **5th Floor:** 514 – Office **5th Floor Mezzanine:** 517M - Jury **6th Floor Mezzanine:** 614M – Storage, 616M - Jury Consultation and 617M - Jury Deliberation **7th Floor Mezzanine:** 713M - Room **10th Floor:** 1047A – Restroom pipe chase and 1090M - Attic Space **10th Floor Mezzanine:** 1080AM - Ceiling Void and 1087M - Storage **12th Floor:** 1220 - NE Quadrant and 1280 - NW Quadrant **13th Floor:** 1302 - Toilet and 1320 - NE Quadrant **14th Floor:** 1420 - NE Quadrant, 1420A - Observation Office, 1440 - S/E Quadrant, 1460 - S/W Quadrant and 1480 - N/W Quadrant **15th Floor:** 1540 - Storage	60% Chrysotile 20% Amosite	RACM	Damaged	419 MJPs and Seam
11	Spray applied fireproofing	**14th Floor:** 1401 – Corridor, 1420 - NE Quadrant, 1420A - Observation Office, 1440 - S/E Quadrant, 1460 - S/W Quadrant,1480 - N/W Quadrant	15% Chrysotile	RACM	Damaged	19,504 Square Feet
12	Acoustic ceiling plaster	**2nd Floor:** 229 – Room, 245 - Office	PC 4.8% Chrysotile	RACM	Damaged	464 Square Feet
13	Acoustic ceiling plaster	**2nd Floor:** 267 – Office, 279 – Conference	15% Chrysotile	RACM	Good Condition	558 Square Feet
15	Acoustic ceiling plaster	**14th Floor:** 1400 - Office Space	PC 6.3% Chrysotile	RACM	Damaged	468 Square Feet
48	2' x 4' Wormhole with texture pattern ceiling tile	**12th Floor:** 1240 - SE Quadrant	PC 2.6% Chrysotile PC 1.1% Amosite	RACM	Damaged	516 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
49	9” x 9” Brown with white floor tile	**12th Floor:** 1240 - SE Quadrant	PC 2.8% Chrysotile-floor tile	Category I Nonfriable	Good Condition	180 Square Feet
50	9” x 9” Gray floor tile and mastic	**Ground Floor:** 028 – Toilet, 040 – Reception, 041 – Office, 042 – Office, 043 – Office and 044 - Office **1st Floor:** 122 – Room, 122A – Closet, 123 – Room, 185A – Closet and 185B – Closet **4th Floor Mezzanine:** 400DM – Room, 411M - Jury Room, 412M - Jury Consultation, 460M - Open Office**,** 461M - Office **7th Floor:** 701 - Judges Chambers, 701A – Closet, 704 – Room, 705 – Room, 707A – Closet, 708 – Room, 713 – Room, 713A – Closet, 714 – Room, 715 – Room, 717C – Room, 720 – Courtroom, 721 – Office, 721A – Closet, 721B – Toilet, 722 - Open Office, 722A – Closet, 723 – Corridor and 740 - Courtroom **7th Floor Mezzanine:** 780M – Room, 786M – Room, 787BM – Room, 787M – Room, 788M – Room **8th Floor:** 821 - Room **8th Floor Mezzanine:** 801AM – Restroom, 801BM – Restroom, 801M – Room, 802M – Room, 803M – Room, 804M - Open Office, 805M – Office, 806M – Storage, 807M – Mechanical, 811M - Jury Room, 812M – Office, 814M – Room, 816M – Office, 817M - Jury Room, S823M – Corridor, S824M – Corridor, S825M – Storage, S860M – Stair, S882M – Stair **9th Floor:** 912 – Corridor, 984 – Corridor and 985 - Conference Room	10% Chrysotile-floor tile PC 5.0% Chrysotile-mastic	Category I Nonfriable	Good Condition	13,693 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
51	9” x 9” Various colors floor tile and mastic	**2nd Floor:** 225 - Room, 225A – Room and 225B – Room, 249 – Room, 249A – Closet, 250 - Room **3rd Floor:** 324A - Closet **4th Floor:** 411A – Closet **5th Floor Mezzanine:** 505M – Mechanical, 516AM – Toilet, 516M – Room, 517BM – Toilet and 517M – Jury **6th Floor Mezzanine:** 615M - Mechanical **7th Floor Mezzanine:** 788M – Room, 702M – Room, 703M – Room, 704M – Room, 705M – Room, 729M – Mechanical, 732M – Room, 733M – Room, 733M – Room, 734M – Corridor, 740M – Room, 743M – Room, 744M – Room, 746M – Room, 747M – Room, 748M – Room, 749M – Room and 750M – Room **8th Floor:** 892 – Room **11th Floor:** 1162 - Office	10% Chrysotile-floor tile 10% Chrysotile-mastic	Category I Nonfriable	Good Condition	4,439 Square Feet
52	12” x 12” Gray with gray and white floor tile and mastic	**Ground Floor:** 021 - Room	PC 1.5% Chrysotile-floor tile PC 6.8% Chrysotile-mastic	Category I Nonfriable	Good Condition	120 Square Feet
54	12” x 12” Green with white floor tile and mastic	**Ground Floor:** 060 - Open Office, 065 – Breakroom, 066 – Room, 092 – Room, 093 – RAF and 094 - Closet **2nd Floor:** 224 – Office, 225 – Room, 226 – Office, 227 – Room, 236 – Office, 237 – Office, 238 – Office, 239 – Office, 240 - Executive Office Reception, 243 – Office, 244 – Office, 245 - Office and 246 - Office	PC 3.3% Chrysotile-floor tile 10% Chrysotile-mastic	Category I Nonfriable	Good Condition	5,913 Square Feet
55	12” x 12” Brown with brown and white floor tile and mastic	**Ground Floor:** 054 – Hall, 055 – Restroom and 056 - Restroom **3rd Floor Mezzanine:** 323M - Room	PC 1.3% Chrysotile-floor tile PC 3.9% Chrysotile-mastic	Category I Nonfriable	Good Condition	259 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
56	12” x 12” Tan with black floor tile and mastic	**Ground Floor:** 045 – Storage, 047 - Break Room, 048 – Toilet, 064 – Office and 094 – Closet **4th Floor:** 417A – Closet **4th Floor Mezzanine:** 400DM – Room and 440M - Open Office **8th Floor:** 821 – Room, 822 – Room, 823 – Room, 824 – Corridor and 891 - Room **8th Floor Mezzanine:** 801AM – Restroom, 801BM – Restroom, 801M – Room, S801 – Stair, S801M – Stair, S823M – Corridor, S824M – Corridor and S825M – Storage	PC 1.5% Chrysotile-floor tile 10% Chrysotile-mastic	Category I Nonfriable	Good Condition	3,453 Square Feet
57	12” x 12” Brown with black border floor tile	**Ground Floor:** 091 - GG **1st Floor:** 120 – Reception, 142A – Closet, 144 – Room, 145 – Room, 150 - Open Office, 150A – Closet, 150B – Closet, 155 – Break, 160 - Open Office, 160A – Closet, 160B - Closet #7, 161 – Office, 162 – Office, 163 - Office and 163A - Closet	10% Chrysotile-floor tile	Category I Nonfriable	Good Condition	10,394 Square Feet
60	12” x 12” Tan with brown floor tile and mastic	**2nd Floor:** 220 – Room, 221 – Room, 222 – Conference, 223 – Office, 225 – Room, 225C – Room, 229 – Room, 229A – Room, 230 – Room, 231 – Office, 232 – Office, 234 – Office, 242 – File Room, 247 – Office and 249 – Room	PC 3.7% Chrysotile-floor tile 10% Chrysotile-mastic	Category I Nonfriable	Good Condition	3,154 Square Feet
61	12” x 12” Tan floor tile and mastic	**2nd Floor:** 261A – Room, 262 – Room and 263 - Office	PC 2.4% Chrysotile-floor tile PC 8.7% Chrysotile-mastic	Category I Nonfriable	Good Condition	1,017 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
62	12” x 12” Tan with gray dents floor tile and mastic	**3rd Floor:** 302 - Storage and 321 - Corridor **3rd Floor Mezzanine:** 360M - Conference Room, 361M – Office and 362M – Office **4th Floor:** 416A – Room and 464 – Room **4th Floor Mezzanine:** 417AM – Men's, 417BM – Women's, 417M – Jury and 460M – Open Office **6th Floor:** 680 – Court Room **14th Floor:** 1420A - Observation Office	PC 1.1% Chrysotile-floor tile 10% Chrysotile-mastic	Category I Nonfriable	Good Condition	3,089 Square Feet
64	12” x 12” White with black floor tile and mastic	**7th Floor:** 717 - Judges Chamber	PC 1.9% Chrysotile-floor tile PC 4.0% Chrysotile-mastic	Category I Nonfriable	Good Condition	330 Square Feet
65	Mastic beneath 12” x 12” Brown with reddish brown rubberized floor tile	**7th Floor Mezzanine:** 700M - Main Lobby, 720M – Room, 721M – Room and 722M - Room **8th Floor:** 800 - Main Lobby, 800 - Main Lobby/ Division 18 Lobby, 860 - Division 10 Court Room and 880 - Division 11 Court Room	PC 1.3% Chrysotile-mastic	Category I Nonfriable	Good Condition	5,370 Square Feet
66	Mastic beneath 12” x 12” Green rubberized floor tile	**7th Floor:** 700M - Main Lobby **8th Floor:** 800 - Main Lobby, 800 - Main Lobby/ Division 18 Lobby, 800F – Closet and 880 - Division 11 Court Room	PC 1.3% Chrysotile-mastic	Category I Nonfriable	Good Condition	732 Square Feet
69	Mastic beneath 12” x 12” Gray rubberized floor tile	**8th Floor:** 817 - Judges Chamber and 817A - Room	PC 1.9% Chrysotile-mastic	Category I Nonfriable	Good Condition	455 Square Feet
71	12” x 12” Tan checkerboard floor tile	**10th Floor:** 1032 - Break Area, 1041 - Storage	PC 5.1% Chrysotile-floor tile	Category I Nonfriable	Good Condition	65 Square Feet
72	12” x 12” Beige with light brown streaks floor tile and mastic	**1st Floor Mezzanine:** 163M - Office **4th Floor Mezzanine:** 440M - Open Office **11th Floor:** 1123 – Conference Room, 1124 – Office, 1125 – Office, 1126 – Office, 1127 – Office and 1128 – Office	PC 2.3% Chrysotile-floor tile PC 6.5% Chrysotile-mastic	Category I Nonfriable	Good Condition	1,960 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
73	Mastic beneath 12" x 12" Gray with gray streaks floor tile	**12th Floor:** 1240 – S/E Quadrant	PC 7.5% Chrysotile-mastic	Category I Nonfriable	Good Condition	1,440 Square Feet
74	12" x 12" Brown mottle floor tile and mastic	**15th Floor:** 1520 – Corridor, 1521 – Storage, 1522 – Storage, 1523 – Storage, 1524 – Storage, 1580 - Storage Corridor, 1581 – Toilet, 1582 – Corridor, 1583 – Toilet, 1584 – Corridor, 1584A - F.P., 1585 – Storage, 1586 – Storage, 1587 – Storage, 1588 – Storage, 1589 – Storage, 1590 – Storage and 1591 – Storage	PC 1.3% Chrysotile-floor tile PC 5.8% Chrysotile-mastic	Category I Nonfriable	Good Condition	7,247 Square Feet
90	Black sink undercoating	**Ground Floor:** 047 - Break Room and 065 – Breakroom **8th Floor:** 826 - Room **14th Floor:** 1440 - S/E Quadrant	PC 1.4% Chrysotile	Category II Nonfriable	Good Condition	4 Sinks
93	Woven vibration joint cloth	**4th Floor:** 414 – Room, 415 – Room and 416 – Room **4th Floor Mezzanine:** 460M - Open Office and 461M – Office	80% Chrysotile	Category II Nonfriable	Good Condition	11 Square Feet
94	Corrugated cement panels	**Basement:** B128 - Transformer Room **12th Floor:** 1200 - Room	15% Chrysotile	Category II Nonfriable	Good Condition	346 Square Feet
95	Electric panel insulators	**Basement:** B128 - Transformer Room **5th Floor Mezzanine:** 501AM – Mechanical, 507AM – Mechanical, 511AM – Mechanical, 517AM – Mechanical **6th Floor Mezzanine:** 601AM - Fan Room, 605M - Fan Room, 607AM – Fan Room, 611AM – Mechanical **12th Floor:** 1200 – Room **15th Floor:** 1560 – Boiler Room	15% Chrysotile	Category II Nonfriable	Good Condition	14 Insulators

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
96	Metal fire doors	**Basement:** B100 - Room **Ground Floor:** S001 – Stair, S002 – Stair, 094 – Room and 095 – Room **2nd Floor:** S202 - Stair **3rd Floor:** S301 – Stair and S302 – Stair **3rd Floor Mezzanine:** 302M – Corridor, 320M – Shop, 363M - Corridor and 381M – Hallway **4th Floor Mezzanine:** 441M - Room **5th Floor: 500 - Main Lobby** **6th Floor:** S602 – Stair **7th Floor:** S701 - Stairwell and 783 - Corridor **7th Floor Mezzanine:** S701M - Stair **8th Floor:** 814M – Room, 823 – Room, 891M – Room and S802 – Stair **8th Floor Mezzanine:** S823M - Corridor **9th Floor:** S902 – Stairwell and 963 – Office **12th Floor: 1200 – Room**	80% Chrysotile	Category II Nonfriable	Good Condition	35 Doors
100	Exterior window caulking	Exterior of building at perimeter of windows, asbestos caulking is located beneath newer caulking	PC 1.8% Chrysotile	Category II Nonfriable	Good Condition	840 metal frame windows

***% & Type Asbestos** = this column contains both the analytical result of the sample with the highest concentration of asbestos detected in the samples that make up the HA and the types of asbestos identified.

****Estimated quantities** are based on a cursory field evaluation, and actual quantities may vary significantly, especially if asbestos containing materials are present in hidden and/or inaccessible areas not evaluated as part of this survey.

PC-indicates that stratified point count method of analysis was performed.

APPENDIX B

MATERIALS CONTAINING 1% OR LESS ASBESTOS BY HA

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
20	Gypsum wallboard with joint compound and tape	Located in areas throughout building on walls and ceilings	Drywall- None Detected Joint Compound- PC 2.4% Chrysotile Composite- PC 0.25% Chrysotile	Category II Nonfriable	Good Condition	159,265 Square Feet

***% & Type Asbestos** = this column contains both the analytical result of the sample with the highest concentration of asbestos detected in the samples that make up the HA and the types of asbestos identified.

PC-indicates that stratified point count method of analysis was performed.

<1% - Materials containing 1% or less asbestos are not regulated by NESHAP or AHERA; however, the OSHA personal exposure limits (0.1 f/cc of air as an eight-hour time weighted average or 1.0 f/cc of air over 30 minutes) for asbestos apply when materials containing 1% asbestos or less are disturbed during renovations or demolitions. A listing of materials that contain 1% asbestos or less is provided above to enable the renovation/demolition contractor to make appropriate decisions concerning compliance issues with applicable OSHA regulations.

APPENDIX C

ASSUMED ASBESTOS CONTAINING MATERIALS BY HA

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
101	1" and 2" Green floor ceramic	**7th Floor:** 791 - Men's Restroom and 793 - Women's Restroom **7th Floor Mezzanine:** 707AM – Restroom, 741M - Men's, 742M - Women's and 793M - Restroom **8th Floor:** 811A – Toilet, 817B - Toilet, 865 – Room, 885 – Room and 893 - Men's Restroom **8th Floor Mezzanine:** 811BM – Toilet**,** 812AM – Toilet and 892M - Women's Restroom	Assumed	Category II Nonfriable	Good	767 Square Feet
102	1" Brown wall ceramic	**4th Floor:** 417B - Toilet	Assumed	Category II Nonfriable	Good	72 Square Feet
104	12" Tan floor ceramic	**4th Floor:** 411B - Toilet	Assumed	Category II Nonfriable	Good	25 Square Feet
105	12" White marble floor ceramic	**7th Floor:** 717B - Toilet	Assumed	Category II Nonfriable	Good	20 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
106	12" x 12" Tan with light brown floor tile and mastic	**5th Floor Mezzanine:** 514M - Room	Assumed	Category I Nonfriable	Good	388 Square Feet
107	12" x 12" White with black floor tile and mastic	**7th Floor:** 722A - Closet	Assumed	Category I Nonfriable	Good	16 Square Feet
108	3" x 5" White wall ceramic	**4th Floor:** 401B – Toilet and 495 - Restroom **5th Floor:** 501B – Toilet, 507B – Toilet, 543 – Toilet and 593 – Room **5th Floor Mezzanine:** 501BM – Toilet, 502AM – Room, 504M – Room, 506AM – Toilet and 507BM - Toilet **6th Floor:** 601B – Toilet, 607B – Toilet, 645 – Toilet and 693 – Restroom **6th Floor Mezzanine:** 601BM – Toilet, 602AM – Toilet, 606AM – Toilet and 607BM – Toilet	Assumed	Category II Nonfriable	Good	1,315 Square Feet
109	4" Beige wall ceramic	**7th Floor:** 711B - Toilet	Assumed	Category II Nonfriable	Good	72 Square Feet
110	4" Tan wall ceramic	**6th Floor:** 685 – Break **7th Floor:** 707B – Toilet **8th Floor:** 827 – Room **8th Floor Mezzanine:** 801AM – Restroom and 801BM – Restroom	Assumed	Category II Nonfriable	Good	274 Square Feet

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
111	4" White wall ceramic	**1st Floor:** 151AM - Closet **4th Floor:** 462 - Room **4th Floor Mezzanine:** 401BM – Toilet and 402AM – Toilet **7th Floor:** 701B – Toilet and 722B – Toilet **8th Floor:** 801B – Room and 865 – Room **9th Floor:** 986 – Toilet **10th Floor:** 1088M – Restroom	Assumed	Category II Nonfriable	Good	631 Square Feet
112	4" White w/ tan texture wall ceramic	**7th Floor Mezzanine:** 787M – Room	Assumed	Category II Nonfriable	Good	80 Square Feet
113	6" Tan wall ceramic	**3rd Floor:** 384 – Break	Assumed	Category II Nonfriable	Good	30 Square Feet
114	8" White marble wall ceramic	**7th Floor:** 717B - Toilet	Assumed	Category II Nonfriable	Good	72 Square Feet
115	Green ceramic cove base	**9th Floor:** 965A – Toilet	Assumed	Category II Nonfriable	Good	22 Linear
116	Grey sink undercoating	**Ground Floor:** 080 - Open Office **1st Floor:** 163M – Office,180M – Office Space and 181M – Break **2nd Floor:** 225A – Room and 242 – File Room **5th Floor:** 583 – Room **6th Floor Mezzanine:** 617M – Jury Deliberation **9th Floor:** 905 – Jury Room and 911 – Break **10th Floor:** 1065 - Break Area	Assumed	Category II Nonfriable	Good	12 Sinks
118	Vault door	**1st Floor:** 151 - Vault	Assumed	Category II Nonfriable	Good	2 Doors

HA No.	Material Description	Material Location	% and Type Asbestos*	NESHAP Classification	Condition	Estimated Quantity**
119	12" x 24" Grey floor ceramic	**4th Floor:** 401B - Toilet	Assumed	Category II Nonfriable	Good	18 Square Feet
120	12" x 24" Tan floor ceramic	**7th Floor:** 711B - Toilet	Assumed	Category II Nonfriable	Good	20 Square Feet
121	12" x 12" Dark brown mottle floor tile on asbestos containing floor tile See HA 64	**Ground Floor:** 047 – Break Room and 048 – Toilet	Assumed	Category II Nonfriable	Good	129 Square Feet
122	12" x 12" Tan floor ceramic	**7th Floor:** 707B – Toilet	Assumed	Category II Nonfriable	Good	25 Square Feet

The above listed materials could not be sampled without causing damage. These materials should be sampled before any renovation or demolition activities that may disturb them.

APPENDIX D

ASBESTOS SURVEY SAMPLE LOCATION SUMMARY

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
01	Mineral Wool Pipe Insulation	01-PI5-01	1st Mezzanine Room 141 M South Center	White Insulation	None Detected
		01-PI5-01	1st Mezzanine Room 141 M South Center	White/Tan Wall Cover	None Detected
		01-PI5-01	1st Mezzanine Room 141 M South Center	Tan Paper	None Detected
		01-PI5-02	2nd Floor Room 279 NE Pipe Chase	White Insulation	None Detected
		01-PI5-02	2nd Floor Room 279 NE Pipe Chase	Tan Wall Cover	None Detected
		01-PI5-02	2nd Floor Room 279 NE Pipe Chase	Tan Paper	None Detected
		01-PI5-03	3rd Mezzanine Carpenter Shop 320 M East Side	White Insulation	None Detected
		01-PI5-03	3rd Mezzanine Carpenter Shop 320 M East Side	Tan/Brown Wall Cover	None Detected
		01-PI5-03	3rd Mezzanine Carpenter Shop 320 M East Side	Tan Insulation	None Detected
		01-PI5-04	10th Mezzanine Attic Space SE Corner	White Insulation	None Detected
		01-PI5-04	10th Mezzanine Attic Space SE Corner	Tan/Yellow Wall Cover	None Detected
		01-PI5-04	10th Mezzanine Attic Space SE Corner	Tan Paper	None Detected
		01-PI5-05	14th Floor West Stairwell 51402	White Insulation	None Detected
		01-PI5-05	14th Floor West Stairwell 51402	Tan/White Wall Cover	None Detected
		01-PI5-05	14th Floor West Stairwell 51402	Tan Paper	None Detected
02	Mudded Joint Packings and Mudded Seams at 3' Intervals with Mineral Wool Pipe Insulation	02-MJ5-06	2nd Floor West Stairwell 51402	Grey Insulation	**65% Chrysotile**
		02-MJ5-07	3rd Mezzanine Carpenter Shop 320M East Side	Grey Insulation	**70% Chrysotile**
		02-MJ5-08	10th Mezzanine Attic Space SE Corner	Grey Insulation	**70% Chrysotile**
		02-MJ5-09	10th Mezzanine Attic East Center - Mudded Seam	Grey/Tan/White Insulation	**25% Chrysotile**
		02-MJ5-10	14th Floor West Stairwell 51402	Grey/Tan Insulation	**30% Chrysotile**
03	Mineral Wool Pipe Insulation with Tarpaper Wrap	03-PI5-11	3rd Mezzanine 326 M Storeroom	White Insulation	None Detected
		03-PI5-11	3rd Mezzanine 326 M Storeroom	Black Tar Paper	None Detected
		03-PI5-11	3rd Mezzanine 326 M Storeroom	Green/Tan Wrap	None Detected
		03-PI5-12	3rd Mezzanine 340 M South Center	White Insulation	None Detected
		03-PI5-12	3rd Mezzanine 340 M South Center	Black Tar Paper	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		03-PI5-12	3rd Mezzanine 340 M South Center	Tan Wrap	None Detected
		03-PI5-13	3rd Mezzanine 380 M NW Center	White Insulation	None Detected
		03-PI5-13	3rd Mezzanine 380 M NW Center	Black Tar Paper	None Detected
		03-PI5-13	3rd Mezzanine 380 M NW Center	Tan/Green Wrap	None Detected
04	Mudded Joint Packings and Mudded Seams at 3' Intervals with Mineral Wool Pipe Insulation and Tarpaper Wrap	04-MJ5-14	3rd Mezzanine 326 M Store Room	Grey Insulation	**65% Chrysotile**
		04-MJ5-15	3rd Mezzanine 340 M South Center	Grey Insulation	**65% Chrysotile**
		04-MJ5-16	3rd Mezzanine 380 M NW Corner	Grey Insulation	**65% Chrysotile**
05	Preformed White Block Pipe Insulation	05-PI1-17	5th Floor Room 512 West Side	White Insulation	**10% Chrysotile, 10% Amosite**
		05-PI1-18	7th Floor Courtroom 725 in South Wall	White Insulation	**10% Chrysotile, 10% Amosite**
		05-PI1-19	7th Mezzanine Courtroom 780M in North Wall	White Insulation	**10% Chrysotile, 15% Amosite**
06	Mudded Joint Packings with Preformed White Block Pipe Insulation	06-MJ1-20	5th Floor Room 512 West Side	Grey Insulation	**65% Chrysotile**
		06-MJ1-21	7th Mezzanine Room 736M Southwest Corner in Wall	Grey Insulation	None Detected
		06-MJ1-22	7th Mezzanine Courtroom 780M in North Wall	Grey Insulation	None Detected
07	Corrugated Pipe Insulation	07-PI2-23	3rd Floor 300 D SW Corner	Grey Insulation	**70% Chrysotile**
		07-PI2-24	5th Floor Room 500 D SW Corner	Grey/Tan Insulation	**70% Chrysotile**
		07-PI2-25	10th Mezzanine Attic Space SE Corner	Grey Insulation	**75% Chrysotile**
08	Layered Paper Pipe Insulation	08-PI3-26	5th Floor 500 E Pipe Closet	Grey/White Insulation	**30% Chrysotile**
		08-PI3-27	9th Floor Room 966 Attic Room SW Corner	Grey/White Insulation	**15% Chrysotile**
		08-PI3-28	10th Mezzanine Attic Space South Side	Grey/White Insulation	**30% Chrysotile**
09	Mudded Joint Packings with	09-MJ3-29	5th Floor 500 E Pipe Closet	Tan Insulation	None Detected
		09-MJ3-30	7th Mezzanine 784 M Attic Room	Grey/White Insulation	**25% Chrysotile, PC 5.0% Amosite**

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
	Layered Paper Pipe Insulation	09-MJ3-31	10th Mezzanine Attic Space South Side	Grey Insulation	**PC 1.2% Chrysotile**
10	Mudded Joint Packings and Mudded Seams At 3' Intervals with Fiberglass Pipe Insulation	10-MJ4-32	6th Mezzanine Attic Space SE Corner	Grey Insulation	**60% Chrysotile**
		10-MJ4-33	10th Mezzanine Attic Space SE Corner	White Insulation	**20% Amosite, PC 1.8% Chrysotile**
		10-MJ4-34	13th Floor NE Corner Wall Space Behind Cell Block	White/Grey Insulation	**20% Amosite, PC 4.2% Chrysotile**
11	Spray Applied Fireproofing	11-FP1-35	14th Floor NE Corner	Off-White Spray-On Fireproofing	**15% Chrysotile**
		11-FP1-36	14th Floor NE Cell Block	Tan Spray-On Fireproofing	**10% Chrysotile**
		11-FP1-37	14th Floor NW Corner	Off-White Spray-On Fireproofing	**10% Chrysotile**
		11-FP1-38	14th Floor NW Cell Block SW Corner	Off-White Spray-On Fireproofing	**10% Chrysotile**
		11-FP1-39	14th Floor SE Corner	Off-White Spray-On Fireproofing	**10% Chrysotile**
		11-FP1-40	14th Floor SE Cell Block Hall - SW Corner	Off-White Spray-On Fireproofing	**10% Chrysotile**
		11-FP1-41	14th Floor SW Corner	Off-White Spray-On Fireproofing	**10% Chrysotile**
12	Acoustic Ceiling Plaster	12-PL2-42	2nd Floor Hall at Room 245	White Texture	**PC 3.2% Chrysotile**
		12-PL2-43	2nd Floor Hall at Room 245	White Texture	**PC 4.1% Chrysotile**
		12-PL2-44	2nd Floor Hall at Room 245	White Texture	**PC 4.8% Chrysotile**
13	Acoustic Ceiling Plaster	13-PL2-45	2nd Floor Room 279 North Side	Tan Texture	**10% Chrysotile**
		13-PL2-46	2nd Floor Room 279 West Side	Tan Texture	**15% Chrysotile**
		13-PL2-47	2nd Floor Room 279 South Side	Tan Texture	**PC 7.8% Chrysotile**
14	Plaster on Drywall	14-PL2-48	4th Floor Courtroom 460 NW Corner	Grey Plaster	None Detected
		14-PL2-49	4th Floor Mezzanine Courtroom 460 NW Corner	Grey Plaster	None Detected
		14-PL2-50	4th Mezzanine AHU Room 462 M East Wall	Grey Plaster	None Detected
		14-PL2-51	4th Mezzanine AHU Room 462 M East Wall	Grey Plaster	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		14-PL2-52	4th Mezzanine AHU Room 462 M East Wall	Grey Plaster	None Detected
15	Acoustic Ceiling Plaster	15-PL2-53	14th Floor South Center Office Area Between Elevators at North Door	Grey Texture	**PC 6.3% Chrysotile**
		15-PL2-54	14th Floor South Center Office Area Between Elevators East Center Room	Tan Texture	**PC 4.4% Chrysotile**
		15-PL2-55	14th Floor South Center Office Area Between Elevators SE Corner	Off-White Texture	**PC 5.2% Chrysotile**
16	Textured Wall Plaster	16-PL1-56	3rd Mezzanine 324 M Point Storeroom East Wall	White Texture	None Detected
		16-PL1-57	3rd Mezzanine 324 M Point Storeroom East Wall	White Texture	None Detected
		16-PL1-58	3rd Mezzanine 324 M Point Storeroom West Wall	White Texture	None Detected
17	Hard Ceiling Plaster	17-HP3-59	1st Mezzanine Room 157 M Near Door	White/Grey Plaster	None Detected
		17-HP3-60	3rd Mezzanine Corridor 302 M Near West Stair	White Plaster	None Detected
		17-HP3-60	3rd Mezzanine Corridor 302 M Near West Stair	Grey Plaster	None Detected
		17-HP3-61	4th Floor 400 D Storage Closet	White Plaster	None Detected
		17-HP3-61	4th Floor 400 D Storage Closet	Grey Plaster	None Detected
		17-HP3-62	7th Floor 700 D Storage Closet	White/Grey Plaster	None Detected
		17-HP3-63	10th Mezzanine 1086 M Attic Room SW Corner	White Plaster	None Detected
		17-HP3-63	10th Mezzanine 1086 M Attic Room SW Corner	Grey Plaster	None Detected
		17-HP3-64	12th Floor NW Entry Hall to SE Cell Block	White Plaster	None Detected
		17-HP3-64	12th Floor NW Entry Hall to SE Cell Block	Grey Plaster	None Detected
		17-HP3-65	13th Floor Hall Adjacent to Freight Elevator	White Plaster	None Detected
		17-HP3-65	13th Floor Hall Adjacent to Freight Elevator	White Drywall	None Detected
18	Hard Wall Plaster	18-HP1-66	1st Floor Room 100 B Closet NW Corner	White Plaster	None Detected
		18-HP1-66	1st Floor Room 100 B Closet NW Corner	Grey Plaster	None Detected
		18-HP1-67	1st Mezzanine Room 141 M Attic Room South Center	White Plaster	None Detected
		18-HP1-67	1st Mezzanine Room 141 M Attic Room South Center	Grey Plaster	None Detected
		18-HP1-68	2nd Floor Room 205 West Wall	White Plaster	None Detected
		18-HP1-68	2nd Floor Room 205 West Wall	Grey Plaster	None Detected
		18-HP1-69	3rd Floor Room 302 South Wall	White Plaster	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		18-HP1-69	3rd Floor Room 302 South Wall	Grey Plaster	None Detected
		18-HP1-70	8th Floor Room 800 D Closet at Door	White Plaster	None Detected
		18-HP1-70	8th Floor Room 800 D Closet at Door	Grey Plaster	None Detected
		18-HP1-71	13th Floor Room 1360 NW Corner	White Plaster	None Detected
		18-HP1-71	13th Floor Room 1360 NW Corner	Grey Plaster	None Detected
		18-HP1-72	15th Floor Corridor 1520 at Elevator	White Plaster	None Detected
		18-HP1-72	15th Floor Corridor 1520 at Elevator	Grey Plaster	None Detected
19	Concrete Wall Plaster	19-HP5-73	14th Floor Corridor 1401 at Prisoner Elevator	Dk Grey Concrete	None Detected
		19-HP5-74	14th Floor 1460 Pipe Chase by West Stair	Dk Grey Concrete	None Detected
		19-HP5-75	14th Floor NE Quadrant Pipe Chase by Center Hall	Grey Concrete	None Detected
20	Gypsum Wallboard with Joint Compound and Tape	20-WB1-76	Ground Floor Room 053 Storage at Door	White/Tan Drywall	None Detected
		20-WB1-76	Ground Floor Room 053 Storage at Door	White Joint Compound	None Detected
		20-WB1-76	Ground Floor Room 053 Storage at Door	Composite	None Detected
		20-WB1-77	8th Floor Hall 825 at Door to Room 804	White/Tan Drywall	None Detected
		20-WB1-77	8th Floor Hall 825 at Door to Room 804	White Joint Compound	None Detected
		20-WB1-77	8th Floor Hall 825 at Door to Room 804	Composite	None Detected
		20-WB1-78	10th Mezzanine Room 1084 M SE Corner	Pink/Tan Drywall	None Detected
		20-WB1-78	10th Mezzanine Room 1084 M SE Corner	White Joint Compound	None Detected
		20-WB1-78	10th Mezzanine Room 1084 M SE Corner	Composite	None Detected
		20-WB1-79	11th Floor Room 1180 NW Corner	Pink/Tan Drywall	None Detected
		20-WB1-79	11th Floor Room 1180 NW Corner	White Joint Compound	None Detected
		20-WB1-79	11th Floor Room 1180 NW Corner	Composite	None Detected
		20-WB1-80	12th Floor Room 1240 NW Hall	White/Tan Drywall	None Detected
		20-WB1-80	12th Floor Room 1240 NW Hall	White Joint Compound	**PC 2.4%Chrysotile**
		20-WB1-80	12th Floor Room 1240 NW Hall	Composite	**PC 0.25% Chrysotile**
		20-WB1-81	14th Floor Infirmary West Side	White/Tan Drywall	None Detected
		20-WB1-81	14th Floor Infirmary West Side	White Joint Compound	**PC 1.5% Chrysotile**
		20-WB1-81	14th Floor Infirmary West Side	Composite	**PC <1% Chrysotile**
		20-WB1-82	15th Floor Room 1590 Above Door	White/Tan Drywall	None Detected
		20-WB1-82	15th Floor Room 1590 Above Door	White Joint Compound	**PC 1.9% Chrysotile**
		20-WB1-82	15th Floor Room 1590 Above Door	Composite	**PC 0.25% Chrysotile**

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
21	1' x 1' Hole Pattern Ceiling Tile and Mastic	21-CT1-83	2nd Floor Room 249 Upper Ceiling	Tan/White Ceiling Tile	None Detected
		21-CT1-83	2nd Floor Room 249 Upper Ceiling	Brown Mastic	None Detected
		21-CT1-84	2nd Floor Room 249 Upper Ceiling	Tan/White Ceiling Tile	None Detected
		21-CT1-84	2nd Floor Room 249 Upper Ceiling	Brown Mastic	None Detected
		21-CT1-85	2nd Floor Room 249 Upper Ceiling	Beige Ceiling Tile	None Detected
		21-CT1-85	2nd Floor Room 249 Upper Ceiling	Brown Mastic	None Detected
22	1' x 1' Pinhole Pattern Ceiling Tile and Mastic	22-CT1-86	2nd Floor Room 243 Upper Ceiling	Beige Ceiling Tile	None Detected
		22-CT1-86	2nd Floor Room 243 Upper Ceiling	Lt Brown Mastic	None Detected
		22-CT1-87	2nd Floor Room 243 Upper Ceiling	Beige Ceiling Tile	None Detected
		22-CT1-87	2nd Floor Room 243 Upper Ceiling	Lt Brown Mastic	None Detected
		22-CT1-88	2nd Floor Room 243 Upper Ceiling	Beige Ceiling Tile	None Detected
		22-CT1-88	2nd Floor Room 243 Upper Ceiling	Lt Brown Mastic	None Detected
23	1' x 1' Gouge Pattern Ceiling Tile and Mastic	23-CT1-89	7th Floor Lobby 700 at East Stair	Off-White Ceiling Tile	None Detected
		23-CT1-89	7th Floor Lobby 700 at East Stair	Brown Mastic	None Detected
		23-CT1-90	7th Floor Lobby 700 at West Stair	Off-White Ceiling Tile	None Detected
		23-CT1-90	7th Floor Lobby 700 at West Stair	Brown Mastic	None Detected
		23-CT1-91	7th Floor Lobby 700 at South Center	Off-White Ceiling Tile	None Detected
		23-CT1-91	7th Floor Lobby 700 at South Center	Brown Mastic	None Detected
24	1' x 1' Gouge Pattern Ceiling Tile	24-CT1-92	7th Mezzanine Lobby 700 M SW Corner	Lt Grey Ceiling Tile	None Detected
		24-CT1-93	8th Floor Room 840 SE Corner	Lt Grey Ceiling Tile	None Detected
		24-CT1-94	9th Floor Room 960 South Center	Lt Grey Ceiling Tile	None Detected
25	1' x 1' Rough Pattern Ceiling Tile and Mastic	25-CT1-95	7th Floor Room 725 Courtroom Near Center	Lt Grey Ceiling Tile	None Detected
		25-CT1-95	7th Floor Room 725 Courtroom Near Center	Brown Mastic	None Detected
		25-CT1-96	7th Mezzanine Room 713 M	Off-White Ceiling Tile	None Detected
		25-CT1-96	7th Mezzanine Room 713 M	Brown Mastic	None Detected
		25-CT1-97	7th Mezzanine Room 782 AM Closet	Lt Grey Ceiling Tile	None Detected
		25-CT1-97	7th Mezzanine Room 782 AM Closet	Brown Mastic	None Detected
26	1' x 1' Lunar Pattern Ceiling Tile	26-CT1-98	8th Floor Lobby 820 SW Corner	Lt Tan Ceiling Tile	None Detected
		26-CT1-99	8th Floor Lobby 820 NW Corner	Lt Tan Ceiling Tile	None Detected
		26-CT1-100	8th Floor Lobby 820 SE Corner	Lt Tan Ceiling Tile	None Detected
27		27-CT1-101	13th Floor Room 1300 SW Corner	Beige Ceiling Tile	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
	1’ x 1’ Smooth Pattern Ceiling Tile	27-CT1-102	13th Floor Room 1300 NE Corner	Beige Ceiling Tile	None Detected
		27-CT1-103	13th Floor Room 1300 West Center	Beige Ceiling Tile	None Detected
28	Ceiling Tile and Mastic	28-MG6-104	4th Mezzanine Room 440 M North Center	Brown Mastic	None Detected
		28-MG6-104	4th Mezzanine Room 440 M North Center	Off-White Ceiling Tile	None Detected
		28-MG6-105	4th Mezzanine Room 440 M NW Corner	Brown Mastic	None Detected
		28-MG6-105	4th Mezzanine Room 440 M NW Corner	Off-White Ceiling Tile	None Detected
		28-MG6-106	4th Mezzanine Room 440 M West of Vault	Brown Mastic	None Detected
		28-MG6-106	4th Mezzanine Room 440 M West of Vault	Off-White Ceiling Tile	None Detected
29	2’ x 2’ Pocks and Pinhole Pattern Ceiling Tile	29-CT3-107	Ground Floor Room 020 Office NE Corner	Lt Tan Ceiling Tile	None Detected
		29-CT3-108	Ground Floor Room 095 Near Door	Lt Tan Ceiling Tile	None Detected
		29-CT3-109	1st Floor Room 180 Office North Side	Lt Tan Ceiling Tile	None Detected
30	2’ x 2’ Bat Wing Pattern Ceiling Tile	30-CT3-110	1st Floor Room 185 NE Corner	Lt Tan Ceiling Tile	None Detected
		30-CT3-111	1st Floor Room 185 SE Corner	Lt Tan Ceiling Tile	None Detected
		30-CT3-112	1st Floor Room 185 SW Corner	Lt Tan Ceiling Tile	None Detected
31	2’ x 2’ Smooth Flat Pattern Ceiling Tile	31-CT3-113	5th Floor Room 503 Near Door	Lt Tan Ceiling Tile	None Detected
		31-CT3-114	7th Floor Mezzanine Room 712 Near Door	Lt Tan Ceiling Tile	None Detected
		31-CT3-115	7th Floor Room 780 NW Corner	Lt Tan Ceiling Tile	None Detected
32	2’ x 2’ Rough Pattern Ceiling Tile	32-CT3-116	1st Floor Room 120 East Side	Lt Tan/Silver Ceiling Tile	None Detected
		32-CT3-117	6th Floor Room 615 Office Near Door	Lt Tan/Silver Ceiling Tile	None Detected
		32-CT3-118	8th Mezzanine Room 801 M	Lt Tan/Silver Ceiling Tile	None Detected
33	2’ x 2’ Rough Fissure Pattern Ceiling Tile	33-CT3-119	9th Floor Room 906 Near Door	Lt Tan Ceiling Tile	None Detected
		33-CT3-120	9th Floor Room 921 North Side	Lt Tan Ceiling Tile	None Detected
		33-CT3-121	9th Floor Room 921 South Side	Lt Tan Ceiling Tile	None Detected
34	2’ x 2’ Rough Grooves Pattern Ceiling Tile	34-CT3-122	11th Floor Room 1121 Near Door	Lt Tan/Silver Ceiling Tile	None Detected
		34-CT3-123	11th Floor Room 1180 NW Corner	Lt Tan/Silver Ceiling Tile	None Detected
		34-CT3-124	11th Floor Hall 1190	Lt Tan/Silver Ceiling Tile	None Detected
35	2’ x 2’ Rough Texture Pattern Ceiling Tile	35-CT3-125	14th Floor Room 1420 A North Center	Lt Tan Ceiling Tile	None Detected
		35-CT3-126	14th Floor Room 1420 A South Center	Lt Tan Ceiling Tile	None Detected
		35-CT3-127	14th Floor Room 1440 NE Corner	White Ceiling Tile	None Detected
36	2’ x 2’ Lunar Pattern Ceiling Tile	36-CT3-128	9th Floor Room 920 NE Corner	White Ceiling Tile	None Detected
		36-CT3-129	9th Floor Room 920 SE Corner	White Ceiling Tile	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		36-CT3-130	9th Floor Room 920 SW Corner	White Ceiling Tile	None Detected
37	2' x 2' Dent Pattern Ceiling Tile	37-CT3-131	10th Floor Room 1011 Near Door	White Ceiling Tile	None Detected
		37-CT3-132	10th Mezzanine Room 1084 M NW Corner	White Ceiling Tile	None Detected
		37-CT3-133	10th Mezzanine Room 1085 M North Center	White Ceiling Tile	None Detected
38	2' x 2' Textured Pattern Ceiling Tile	38-CT3-134	10th Floor Room 1017 NE Corner	White Ceiling Tile	None Detected
		38-CT3-135	10th Floor Room 1017 NW Corner	White Ceiling Tile	None Detected
		38-CT3-136	10th Floor Room 1017 SW Corner	White Ceiling Tile	None Detected
39	2' x 2' Dot Pattern Ceiling Tile	39-CT3-137	4th Mezzanine Room 417 M Near Door	White Ceiling Tile	None Detected
		39-CT3-138	9th Floor Room 960 Near Center	White Ceiling Tile	None Detected
		39-CT3-139	10th Floor Room 1080 Near Door	White Ceiling Tile	None Detected
40	2' x 2' Pinhole and Fissure Pattern Ceiling Tile	40-CT3-140	10th Floor Room 1028 Near Center	White Ceiling Tile	None Detected
		40-CT3-141	10th Floor Room 1049 at Entry	White Ceiling Tile	None Detected
		40-CT3-142	10th Floor Room 1044 Near Center	White Ceiling Tile	None Detected
41	2' x 2' Pinhole Pattern Ceiling Tile	41-CT3-143	11th Floor Room 1123 SE Corner	White Ceiling Tile	None Detected
		41-CT3-144	11th Floor Room 1123 NE Corner	White Ceiling Tile	None Detected
		41-CT3-145	11th Floor Room 1123 NW Corner	White Ceiling Tile	None Detected
42	2' x 4' Deep Fissure Pattern Ceiling Tile	42-CT4-146	Ground Floor Room 057 North Side	White Ceiling Tile	None Detected
		42-CT4-147	Ground Floor Room 057 West Side	White Ceiling Tile	None Detected
		42-CT4-148	Ground Floor Room 057 - South Side	White Ceiling Tile	None Detected
43	2' x 4' Square Pattern Ceiling Tile	43-CT4-149	Ground Floor Room 060 - South Side	White Ceiling Tile	None Detected
		43-CT4-150	Ground Floor Room 060 - NE Corner	White Ceiling Tile	None Detected
		43-CT4-151	Ground Floor Room 065 - Breakroom	White Ceiling Tile	None Detected
44	2' x 4' Wormhole Pattern Ceiling Tile	44-CT4-152	Ground Floor Room 091 - Near Center	Beige/Pink Ceiling Tile	None Detected
		44-CT4-153	Ground Floor Room 091 - West Side	Beige/Pink Ceiling Tile	None Detected
		44-CT4-154	Ground Floor Room 091 - East Side	Beige/Pink Ceiling Tile	None Detected
45	2' x 4' Wormhole and Pinhole Pattern Ceiling Tile	45-CT4-155	Basement Office B 125 - Center	Tan/White Ceiling Tile	None Detected
		45-CT4-156	4th Mezzanine Room 460M - North Side	Tan/White Ceiling Tile	None Detected
		45-CT4-157	4th Mezzanine Room 460M - South Side	Tan/White Ceiling Tile	None Detected
46	2' x 4' Pinhole and Fissure Pattern Ceiling Tile	46-CT4-158	2nd Floor Room 252 - Near Door	White Ceiling Tile	None Detected
		46-CT4-159	4th Floor Room 464 - East Side	White Ceiling Tile	None Detected
		46-CT4-160	4th Floor Room 464 - West Side	White Ceiling Tile	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
47	2' x 4' Wood Fiber with Pinhole and Fissure Pattern Ceiling Tile	47-CT4-161	7th Mezzanine Room 702M - SE Corner	White/Tan Ceiling Tile	None Detected
		47-CT4-162	7th Mezzanine 734M Hall - Center	White/Tan Ceiling Tile	None Detected
		47-CT4-163	7th Mezzanine 749M - Storeroom	White Ceiling Tile	None Detected
48	2' x 4' Wormhole with Texture Pattern Ceiling Tile	48-CT4-164	12th Floor Room 1240 - NW Storeroom	Beige/White Ceiling Tile	**PC 2.6% Chrysotile**
		48-CT4-165	12th Floor Room 1240 - Hall	White Ceiling Tile	**PC 1.2% Chrysotile, PC 1.1% Amosite**
		48-CT4-166	12th Floor Room 1240 - East Room	Beige/White Ceiling Tile	**PC 1.8% Chrysotile**
49	9" X 9" Brown with White Floor Tile and Mastic	49-FT1-167	12th Floor Room 1240 - NW Storeroom - Near Door	White Floor Tile	**PC 2.8% Chrysotile**
		49-FT1-167	12th Floor Room 1240 - NW Storeroom - Near Door	Black Mastic	None Detected
		49-FT1-168	12th Floor Room 1240 - NW Storeroom - Near Center	White Floor Tile	**PC 2.6% Chrysotile**
		49-FT1-168	12th Floor Room 1240 - NW Storeroom - Near Center	Black Mastic	None Detected
		49-FT1-169	12th Floor Room 1240 NW Storeroom - East Side	White Floor Tile	**PC 2.6% Chrysotile**
		49-FT1-169	12th Floor Room 1240 NW Storeroom - East Side	Black Mastic	None Detected
50	9" x 9" Gray Floor Tile and Mastic	50-FT1-170	4th Mezzanine Room 400 DM - Bottom Layer	Grey Floor Tile	**10% Chrysotile**
		50-FT1-170	4th Mezzanine Room 400 DM - Bottom Layer	Black Mastic	**PC 4.6% Chrysotile**
		50-FT1-171	8th Mezzanine Room 814 M	Grey Floor Tile	**10% Chrysotile**
		50-FT1-171	8th Mezzanine Room 814 M	Black Mastic	**PC 5.0% Chrysotile**
		50-FT1-172	9th Floor Rm 985 Below Radiator - Bottom Layer	Grey Floor Tile	**10% Chrysotile**
		50-FT1-172	9th Floor Rm 985 Below Radiator - Bottom Layer	Black Mastic	**PC 4.2% Chrysotile**
51	9" X 9" Various Colors Floor Tile and Mastic	51-FT1-173	4th Floor Room 411 A Closet - Under Server	Brown Floor Tile	**10% Chrysotile**
		51-FT1-174	5th Mezzanine Room 517 M at Door	Green Floor Tile	**PC 4.7% Chrysotile**
		51-FT1-174	5th Mezzanine Room 517 M at Door	Black Mastic	**10% Chrysotile**
		51-FT1-174	5th Mezzanine Room 517 M at Door	Tan Mastic	None Detected
		51-FT1-175	7th Mezzanine Office 788M - Near Door	Off-White Floor Tile	**PC 1.2% Chrysotile**
		51-FT1-175	7th Mezzanine Office 788M - Near Door	Black Mastic	**PC 8.3% Chrysotile**
52	12" x 12" Gray with Gray and White	52-FT2-176	Ground Floor Room 021 AHU Room - SW Corner	Tan Floor Tile	**PC 1.3% Chrysotile**
		52-FT2-176	Ground Floor Room 021 AHU Room - SW Corner	Black Mastic	**PC 6.8% Chrysotile**
		52-FT2-177	Ground Floor Room 021 AHU Room - SW Corner	Tan Floor Tile	**PC 1.5% Chrysotile**

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
	Floor Tile and Mastic	52-FT2-177	Ground Floor Room 021 AHU Room - SW Corner	Black Mastic	**PC 3.5% Chrysotile**
		52-FT2-178	Ground Floor Room 021 AHU Room - SW Corner	Tan Floor Tile	**PC 1.2% Chrysotile**
		52-FT2-178	Ground Floor Room 021 AHU Room - SW Corner	Black Mastic	**PC 4.3% Chrysotile**
53	12” x 12” Blue Floor Tile and Mastic	53-FT2-179	Ground Floor Mail Room 046 - SE Corner	Blue Floor Tile	None Detected
		53-FT2-179	Ground Floor Mail Room 046 - SE Corner	Tan Mastic	None Detected
		53-FT2-180	Ground Floor Mail Room 046 - SE Corner	Blue Floor Tile	None Detected
		53-FT2-180	Ground Floor Mail Room 046 - SE Corner	Tan Mastic	None Detected
		53-FT2-181	Ground Floor Mail Room 046 - SE Corner	Blue Floor Tile	None Detected
		53-FT2-181	Ground Floor Mail Room 046 - SE Corner	Tan Mastic	None Detected
54	12” x 12” Green with White Floor Tile and Mastic	54-FT2-182	Ground Floor Room 065 Break Room - East Side	Green Floor Tile	**PC 1.7% Chrysotile**
		54-FT2-182	Ground Floor Room 065 Break Room - East Side	Tan Mastic	None Detected
		54-FT2-182	Ground Floor Room 065 Break Room - East Side	Black Mastic	**PC 3.4% Chrysotile**
		54-FT2-183	2nd Floor Room 236 Office	Green Floor Tile	**PC 3.3% Chrysotile**
		54-FT2-183	2nd Floor Room 236 Office	Black Mastic	**PC 8.5% Chrysotile**
		54-FT2-184	2nd Floor 225 Hall - West End	Green Floor Tile	**PC 2.6% Chrysotile**
		54-FT2-184	2nd Floor 225 Hall - West End	Green Mastic	None Detected
		54-FT2-184	2nd Floor 225 Hall - West End	Black Mastic	**10% Chrysotile**
55	12” x 12” Brown with Brown and White Floor Tile and Mastic	55-FT2-185	Ground Floor Men's Restroom 056	Tan Floor Tile	**PC 1.3% Chrysotile**
		55-FT2-185	Ground Floor Men's Restroom 056	Black Mastic	**PC 3.4% Chrysotile**
		55-FT2-186	Ground Floor Restroom Hall 057	Tan Floor Tile	**PC 0.25% Chrysotile**
		55-FT2-186	Ground Floor Restroom Hall 057	Black Mastic	**PC 3.9% Chrysotile**
		55-FT2-187	3rd Mezzanine Room 323 M Paint Shop Office	Tan Floor Tile	None Detected
		55-FT2-187	3rd Mezzanine Room 323 M Paint Shop Office	Tan Mastic	None Detected
56	12” x 12” Tan with Black Floor Tile and Mastic	56-FT2-188	Ground Floor Room 045 - SE Corner	White Floor Tile	**PC 1.1% Chrysotile**
		56-FT2-188	Ground Floor Room 045 - SE Corner	Black Mastic	None Detected
		56-FT2-189	4th Mezzanine Room 400 DM Storage Closet	Off-White Floor Tile	**PC 1.5% Chrysotile**
		56-FT2-189	4th Mezzanine Room 400 DM Storage Closet	Black Mastic	**10% Chrysotile**
		56-FT2-190	8th Mezzanine Room 801 BM - NE Corner Middle Layer	Off-White Floor Tile	**PC 1.1% Chrysotile**
		56-FT2-190	8th Mezzanine Room 801 BM - NE Corner Middle Layer	Black Mastic	**PC 3.1% Chrysotile**

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		56-FT2-190	8th Mezzanine Room 801 BM - NE Corner Middle Layer	Tan Mastic	None Detected
57	12” x 12” Brown with Black Border Floor Tile and Mastic	57-FT2-191	1st Floor Room 160 - SW Corner	Brown Floor Tile	**10% Chrysotile**
		57-FT2-191	1st Floor Room 160 - SW Corner	Black Mastic	None Detected
		57-FT2-191	1st Floor Room 160 - SW Corner	Tan Mastic	None Detected
		57-FT2-192	1st Floor Room 160 - at Entry	Black Floor Tile	**PC 6.3% Chrysotile**
		57-FT2-193	1st Floor Room 100 D - Storeroom at Door	Black Floor Tile	**PC 4.5% Chrysotile**
		57-FT2-193	1st Floor Room 100 D - Storeroom at Door	Tan Mastic	None Detected
58	12” x 12” Tan Mottle with Black Inlay Floor Tile and Mastic	58-FT2-194	1st Floor Room 185 - NE Corner	Tan Floor Tile	None Detected
		58-FT2-194	1st Floor Room 185 - NE Corner	Black Mastic	None Detected
		58-FT2-194	1st Floor Room 185 - NE Corner	Tan Mastic	None Detected
		58-FT2-195	1st Floor Room 185 - SE Corner	Tan Floor Tile	None Detected
		58-FT2-195	1st Floor Room 185 - SE Corner	Black Mastic	None Detected
		58-FT2-195	1st Floor Room 185 - SE Corner	Tan Mastic	None Detected
		58-FT2-196	1st Floor Room 185 - SW Corner	Tan Floor Tile	None Detected
		58-FT2-196	1st Floor Room 185 - SW Corner	Black Mastic	None Detected
		58-FT2-196	1st Floor Room 185 - SW Corner	Tan Mastic	None Detected
59	12” x 12” Multicolor Floor Tile and Mastic	59-FT2-197	1st Floor Room 121 Storeroom by Sink	Red/Orange Floor Tile	None Detected
		59-FT2-197	1st Floor Room 121 Storeroom by Sink	Tan Mastic	None Detected
		59-FT2-198	1st Floor Room 121 Storeroom by Sink	Red/Orange Floor Tile	None Detected
		59-FT2-198	1st Floor Room 121 Storeroom by Sink	Tan Mastic	None Detected
		59-FT2-199	1st Floor Room 121 Storeroom by Sink	Red/Orange Floor Tile	None Detected
		59-FT2-199	1st Floor Room 121 Storeroom by Sink	Tan Mastic	None Detected
60	12” x 12” Tan with Brown Floor Tile and Mastic	60-FT2-200	2nd Floor 225 Hall - West End	Off-White Floor Tile	**PC 3.7% Chrysotile**
		60-FT2-200	2nd Floor 225 Hall - West End	Black Mastic	**10% Chrysotile**
		60-FT2-200	2nd Floor 225 Hall - West End	White/Yellow Mastic/Leveling Compound	None Detected
		60-FT2-201	2nd Floor Room 229 A - Storage Closet	Off-White Floor Tile	**PC 1.7% Chrysotile**
		60-FT2-201	2nd Floor Room 229 A - Storage Closet	Black Mastic	**10% Chrysotile**
		60-FT2-202	2nd Floor 229 - Hall at Room 243	Off-White Floor Tile	**PC 1.4% Chrysotile**
		60-FT2-202	2nd Floor 229 - Hall at Room 243	Black Mastic	**PC 5.9% Chrysotile**

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
61	12” x 12” Tan Floor Tile and Mastic	61-FT2-203	2nd Floor Room 262 - NE Corner	Lt Brown Floor Tile	**PC 1.3% Chrysotile**
		61-FT2-203	2nd Floor Room 262 - NE Corner	Black Mastic	**PC 8.7% Chrysotile**
		61-FT2-203	2nd Floor Room 262 - NE Corner	Tan Mastic	None Detected
		61-FT2-204	2nd Floor Room 262 - NE Corner	Lt Brown Floor Tile	**PC 1.6% Chrysotile**
		61-FT2-204	2nd Floor Room 262 - NE Corner	Black Mastic	**PC 5.8% Chrysotile**
		61-FT2-204	2nd Floor Room 262 - NE Corner	Tan Mastic	None Detected
		61-FT2-205	2nd Floor Room 262 - NE Corner	Lt Brown Floor Tile	**PC 2.4% Chrysotile**
		61-FT2-205	2nd Floor Room 262 - NE Corner	Tan Mastic	None Detected
62	12” x 12” Tan with Gray Dents Floor Tile and Mastic	62-FT2-206	4th Mezzanine Room 460 M - SW Corner	Off-White Floor Tile	**PC 1.1% Chrysotile**
		62-FT2-206	4th Mezzanine Room 460 M - SW Corner	Black Mastic	**10% Chrysotile**
		62-FT2-207	6th Floor Room 680 - NE Corner	Off-White Floor Tile	**PC <1% Chrysotile**
		62-FT2-207	6th Floor Room 680 - NE Corner	Black Mastic	None Detected
		62-FT2-207	6th Floor Room 680 - NE Corner	Tan Mastic	None Detected
		62-FT2-208	14th Floor Room 1420 - NE Observation Room	Off-White Floor Tile	**PC 0.5% Chrysotile**
		62-FT2-208	14th Floor Room 1420 - NE Observation Room	Black Mastic	None Detected
63	12” x 12” Tan, Green, Brown Floor Tile and Mastic	63-FT2-209	7th Floor 700 Main Lobby - at Door to East Stair	Off-White Floor Tile	None Detected
		63-FT2-209	7th Floor 700 Main Lobby - at Door to East Stair	Tan Mastic	None Detected
		63-FT2-210	7th Floor 700 Main Lobby - South Side Below Radiator	Off-White Floor Tile	None Detected
		63-FT2-210	7th Floor 700 Main Lobby - South Side Below Radiator	Tan Mastic	None Detected
		63-FT2-211	7th Floor 700 Lobby - South Side	Green Floor Tile	None Detected
		63-FT2-211	7th Floor 700 Lobby - South Side	Yellow/Black Mastic	None Detected
64	12” x 12” White with Black Floor Tile and Mastic	64-FT2-212	7th Floor Room 717 - NE Corner	White Floor Tile	**PC 1.9% Chrysotile**
		64-FT2-212	7th Floor Room 717 - NE Corner	Yellow Mastic	None Detected
		64-FT2-212	7th Floor Room 717 - NE Corner	Black Mastic	**PC 4.0% Chrysotile**
		64-FT2-213	7th Floor Room 717 - SE Corner	White Floor Tile	**PC 1.5% Chrysotile**
		64-FT2-213	7th Floor Room 717 - SE Corner	Yellow Mastic	None Detected
		64-FT2-213	7th Floor Room 717 - SE Corner	Black Mastic	**PC 3.4% Chrysotile**
		64-FT2-214	7th Floor Room 717 SW Corner	White Floor Tile	**PC 1.7% Chrysotile**
		64-FT2-214	7th Floor Room 717 SW Corner	Yellow Mastic	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		64-FT2-214	7th Floor Room 717 SW Corner	Black Mastic	**PC 3.1% Chrysotile**
65	12” x 12” Brown with Reddish Brown Rubberized Floor Tile and Mastic	65-FT2-215	7th Mezzanine 700 M Lobby - South End	Brown/Red Floor Tile	None Detected
		65-FT2-215	7th Mezzanine 700 M Lobby - South End	Brown Mastic	**PC 1.1% Chrysotile**
		65-FT2-216	7th Mezzanine 720 M Entry - SE Corner	Brown/Red Floor Tile	None Detected
		65-FT2-216	7th Mezzanine 720 M Entry - SE Corner	Brown Mastic	**PC 1.0% Chrysotile**
		65-FT2-216	7th Mezzanine 720 M Entry - SE Corner	Green Mastic	None Detected
		65-FT2-217	8th Floor 800 Lobby - South Side	Tan Floor Tile	None Detected
		65-FT2-217	8th Floor 800 Lobby - South Side	Brown Mastic	**PC 1.2% Chrysotile**
		65-FT2-218	8th Floor East Courtroom Lobby	Tan Floor Tile	None Detected
		65-FT2-218	8th Floor East Courtroom Lobby	Brown Mastic	**PC 1.3% Chrysotile**
		65-FT2-219	8th Floor Courtroom 880- NE Corner	Tan Floor Tile	None Detected
		65-FT2-219	8th Floor Courtroom 880- NE Corner	Green/Tan Mastic	None Detected
		65-FT2-219	8th Floor Courtroom 880- NE Corner	Brown Mastic	**PC 1.1% Chrysotile**
66	12” x 12” Green Rubberized Floor Tile and Mastic	66-FT2-220	7th Mezzanine 700 M Lobby - South Side	Green Floor Tile	None Detected
		66-FT2-220	7th Mezzanine 700 M Lobby - South Side	Brown Mastic	**PC 1.2% Chrysotile**
		66-FT2-221	8th Floor 800 Lobby - South Side	Green Floor Tile	None Detected
		66-FT2-221	8th Floor 800 Lobby - South Side	Brown Mastic	**PC 1.1% Chrysotile**
		66-FT2-222	8th Floor Courtroom 860- SE Corner	Green Floor Tile	None Detected
		66-FT2-222	8th Floor Courtroom 860- SE Corner	Tan Mastic	None Detected
		66-FT2-222	8th Floor Courtroom 860- SE Corner	Brown Mastic	**PC 1.3% Chrysotile**
67	12” x 12” Dark Brown Floor Tile and Mastic	67-FT2-223	7th Floor North Stair - Upper Landing	Dk Brown Floor Tile	None Detected
		67-FT2-223	7th Floor North Stair - Upper Landing	Clear/Yellow Mastic	None Detected
		67-FT2-223	7th Floor North Stair - Upper Landing	Black Mastic/Fibrous	None Detected
		67-FT2-224	7th Mezzanine North Stair - Upper Landing	Dk Brown Floor Tile	None Detected
		67-FT2-224	7th Mezzanine North Stair - Upper Landing	Black Mastic/Fibrous	None Detected
		67-FT2-225	8th Mezzanine North Stair - Upper Landing	Dk Brown Floor Tile	None Detected
		67-FT2-225	8th Mezzanine North Stair - Upper Landing	Black Mastic/Fibrous	None Detected
68	12” x 12” Tan with Light Brown Floor Tile	68-FT2-226	8th Mezzanine 801 M NE Corner - Top Layer	Tan/Lt Brown Floor Tile	None Detected
		68-FT2-227	8th Mezzanine 801 M NE Corner - Top Layer	Tan/Lt Brown Floor Tile	None Detected
		68-FT2-228	8th Mezzanine 801 M NE Corner - Top Layer	Tan/Lt Brown Floor Tile	None Detected
69		69-FT2-229	8th Floor Room 817 at Door	Grey Floor Tile	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
	12” x 12” Gray Rubberized Floor Tile and Mastic	69-FT2-229	8th Floor Room 817 at Door	Black Mastic	**PC 1.6% Chrysotile**
		69-FT2-230	8th Floor Room 817 at Door	Grey Floor Tile	None Detected
		69-FT2-230	8th Floor Room 817 at Door	Black Mastic	**PC 1.9% Chrysotile**
		69-FT2-231	8th Floor Room 817 at Door	Grey Floor Tile	None Detected
		69-FT2-231	8th Floor Room 817 at Door	Black Mastic	**PC 1.5% Chrysotile**
70	12” x 12” Pink Floor Tile and Mastic	70-FT2-232	9th Floor Room 997 - Near Center	Pink Floor Tile	None Detected
		70-FT2-232	9th Floor Room 997 - Near Center	Clear Mastic	None Detected
		70-FT2-233	9th Floor Room 997 - Near Center	Pink Floor Tile	None Detected
		70-FT2-233	9th Floor Room 997 - Near Center	Clear Mastic	None Detected
		70-FT2-234	9th Floor Room 997 - Near Center	Pink Floor Tile	None Detected
		70-FT2-234	9th Floor Room 997 - Near Center	Clear Mastic	None Detected
71	12” x 12” Tan Checkerboard Floor Tile and Mastic	71-FT2-235	10th Floor Room 1041 - South Side	Grey/Pink Floor Tile	**PC 4.8% Chrysotile**
		71-FT2-235	10th Floor Room 1041 - South Side	Brown Mastic	None Detected
		71-FT2-236	10th Floor Room 1032 - by Sink	Grey/Pink Floor Tile	**PC 4.3% Chrysotile**
		71-FT2-236	10th Floor Room 1032 - by Sink	Brown Mastic	None Detected
		71-FT2-237	10th Floor Room 1032 - by Sink	Grey/Pink Floor Tile	**PC 5.1% Chrysotile**
		71-FT2-237	10th Floor Room 1032 - by Sink	Brown Mastic	None Detected
72	12” x 12” Beige with Light Brown Streaks Floor Tile and Mastic	72-FT2-238	4th Mezzanine Room 440 M - SW Corner	Beige Floor Tile	**PC 2.3% Chrysotile**
		72-FT2-238	4th Mezzanine Room 440 M - SW Corner	Tan/Green Mastic	None Detected
		72-FT2-238	4th Mezzanine Room 440 M - SW Corner	Black Mastic	**PC 6.5% Chrysotile**
		72-FT2-239	11th Floor Room 1123 - Near Door	Beige Floor Tile	**PC 1.2% Chrysotile**
		72-FT2-239	11th Floor Room 1123 - Near Door	Tan/Green Mastic	None Detected
		72-FT2-239	11th Floor Room 1123 - Near Door	Black Mastic	None Detected
		72-FT2-240	11th Floor Room 1126 - Near Door	Beige Floor Tile	**PC 1.1% Chrysotile**
		72-FT2-240	11th Floor Room 1126 - Near Door	Tan/Green Mastic	None Detected
		72-FT2-240	11th Floor Room 1126 - Near Door	Black Mastic	None Detected
73	12” x 12” Gray with Gray Streaks Floor Tile and Mastic	73-FT2-241	12th Floor 1240 Cell Block Hall - West End	Grey Floor Tile	None Detected
		73-FT2-241	12th Floor 1240 Cell Block Hall - West End	Black Mastic	**PC 7.5% Chrysotile**
		73-FT2-242	12th Floor 1240 - SE Corner	Grey Floor Tile	None Detected
		73-FT2-242	12th Floor 1240 - SE Corner	Black Mastic	**PC 6.7% Chrysotile**
		73-FT2-243	12th Floor 1240 - NW Room	Grey Floor Tile	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		73-FT2-243	12th Floor 1240 - NW Room	Black Mastic	**PC 6.1% Chrysotile**
74	12” x 12” Brown Mottle Floor Tile and Mastic	74-FT2-244	15th Floor Room 1542 Storage Room - at West Door	Lt Brown Floor Tile	**PC 1.3% Chrysotile**
		74-FT2-244	15th Floor Room 1542 Storage Room - at West Door	Tan Mastic	None Detected
		74-FT2-244	15th Floor Room 1542 Storage Room - at West Door	Black Mastic	**PC 4.9% Chrysotile**
		74-FT2-245	15th Floor Room 1521 - Restroom	Lt Brown Floor Tile	**PC 1.6% Chrysotile**
		74-FT2-245	15th Floor Room 1521 - Restroom	Black Mastic	**PC 5.8% Chrysotile**
		74-FT2-246	15th Floor West Hall 1584 - Center	Lt Brown Floor Tile	**PC 1.4% Chrysotile**
		74-FT2-246	15th Floor West Hall 1584 - Center	Black Mastic	**PC 5.1% Chrysotile**
75	Black Mastic on Concrete Floors Beneath Carpet	75-MG5-247	1st Floor Room 125 - West Center	Black/Tan Mastic	None Detected
		75-MG5-248	3rd Floor Room 345 B - at Pipe Chase Door	Black/Tan Mastic	None Detected
		75-MG5-249	11th Floor Room 1120 Open Office - NE Corner	Black/Green Mastic	None Detected
76	Brown Sheet Vinyl Flooring	76-FC1-250	4th Mezzanine Room 400 M - Elev. Lobby	Brown Floor Tile	None Detected
		76-FC1-250	4th Mezzanine Room 400 M - Elev. Lobby	Grey Backing Material	None Detected
		76-FC1-250	4th Mezzanine Room 400 M - Elev. Lobby	Tan Fibrous	None Detected
		76-FC1-251	9th Floor Room 924 - West Side	Brown Floor Tile	None Detected
		76-FC1-251	9th Floor Room 924 - West Side	Tan Mastic	None Detected
		76-FC1-251	9th Floor Room 924 - West Side	Tan Fibrous	None Detected
		76-FC1-252	10th Floor Room 1085 - NW Corner	Brown Floor Tile	None Detected
		76-FC1-252	10th Floor Room 1085 - NW Corner	Tan Mastic	None Detected
		76-FC1-252	10th Floor Room 1085 - NW Corner	Tan Fibrous	None Detected
77	Tan with Brown and Black Linoleum Flooring	77-FC1-253	7th Floor Corridor 790 at Door to Room 721	Tan Floor Tile	None Detected
		77-FC1-253	7th Floor Corridor 790 at Door to Room 721	Tan Mastic	None Detected
		77-FC1-254	9th Floor Lobby 900 - South Center	Red Floor Tile	None Detected
		77-FC1-254	9th Floor Lobby 900 - South Center	Tan Mastic	None Detected
		77-FC1-255	10th Floor Lobby 1000 - South Center	Red Floor Tile	None Detected
		77-FC1-255	10th Floor Lobby 1000 - South Center	Brown Mastic	None Detected
78	Brown, Gray and Orange Decorative	78-FC1-256	10th Floor Room 1048 at Entry - Black	Black Floor Tile	None Detected
		78-FC1-256	10th Floor Room 1048 at Entry - Black	Yellow Mastic	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
	Sheet Vinyl Flooring	78-FC1-257	10th Floor 1040 Center Hall - SW - Grey	Brown Floor Tile	None Detected
		78-FC1-257	10th Floor 1040 Center Hall - SW - Grey	Black Felt	None Detected
		78-FC1-258	10th Floor 1024 Hall - East End - Orange	Brown Floor Tile	None Detected
		78-FC1-258	10th Floor 1024 Hall - East End - Orange	Yellow Mastic	None Detected
		78-FC1-258	10th Floor 1024 Hall - East End - Orange	Black Felt	None Detected
79	Tarpaper on Concrete Floor Beneath Carpet	79-FC5-259	2nd Floor Court Room 280 SE Corner	Black/Tan Felt	None Detected
		79-FC5-260	6th Floor Court Room 660 - NE Corner	Tan Mastic	None Detected
		79-FC5-260	6th Floor Court Room 660 - NE Corner	Black Felt	None Detected
		79-FC5-261	9th Floor Court Room 940 - NE Corner	Black/Tan Felt	None Detected
80	Various Colors Cove Base and Mastic	80-FC3-262	7th Floor 700 Lobby - SE Corner - Light Brown	Tan Cove Base	None Detected
		80-FC3-262	7th Floor 700 Lobby - SE Corner - Light Brown	Tan Mastic	None Detected
		80-FC3-263	7th Mezzanine 700M Lobby at Division 31 Court Room Door - Green	Green Cove Base	None Detected
		80-FC3-263	7th Mezzanine 700M Lobby at Division 31 Court Room Door - Green	Tan Mastic	None Detected
		80-FC3-264	8th Floor Court Room 860 - South Center - Tan	Tan Cove Base	None Detected
		80-FC3-264	8th Floor Court Room 860 - South Center - Tan	Tan Mastic	None Detected
		80-FC3-265	8th Mezzanine Room 814 M - Black	Black Cove Base	None Detected
		80-FC3-265	8th Mezzanine Room 814 M - Black	Tan Mastic	None Detected
81	4” Brown Cove Base and Mastic	81-FC3-266	9th Floor Room 902 at Entry	Brown Cove Base	None Detected
		81-FC3-266	9th Floor Room 902 at Entry	Brown Mastic	None Detected
		81-FC3-267	15th Floor Room 1523 SW Corner at Door	Brown Cove Base	None Detected
		81-FC3-267	15th Floor Room 1523 SW Corner at Door	Brown Mastic	None Detected
		81-FC3-268	15th Floor Room 1588 at Door	Brown Cove Base	None Detected
		81-FC3-268	15th Floor Room 1588 at Door	Brown Mastic	None Detected
82	3” Brown Cove Base and Mastic	82-FC3-269	12th Floor 1240 - Center Cell Block Hall - West	Black Cove Base	None Detected
		82-FC3-269	12th Floor 1240 - Center Cell Block Hall - West	Brown Mastic	None Detected
		82-FC3-269	12th Floor 1240 - Center Cell Block Hall - West	Black Mastic	None Detected
		82-FC3-270	12th Floor 1240 - Center Cell Block Hall - Center	Black Cove Base	None Detected
		82-FC3-270	12th Floor 1240 - Center Cell Block Hall - Center	Brown Mastic	None Detected
		82-FC3-271	12th Floor 1240 - South Hall - West End	Black Cove Base	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		82-FC3-271	12th Floor 1240 - South Hall - West End	Brown Mastic	None Detected
83	4” Black Cove Base and Mastic	83-FC3-272	12 Floor 1240 - Cell Block West Hall - Near Center	Black Cove Base	None Detected
		83-FC3-272	12 Floor 1240 - Cell Block West Hall - Near Center	Brown Mastic	None Detected
		83-FC3-272	12 Floor 1240 - Cell Block West Hall - Near Center	Black Mastic	None Detected
		83-FC3-273	12 Floor 1240 - Cell Block West Hall - Near Center	Black Cove Base	None Detected
		83-FC3-273	12 Floor 1240 - Cell Block West Hall - Near Center	Brown Mastic	None Detected
		83-FC3-273	12 Floor 1240 - Cell Block West Hall - Near Center	Black Mastic	None Detected
		83-FC3-274	1st Floor 1240 Cell Block West Hall - Near Center	Black Terrazzo	None Detected
		83-FC3-274	1st Floor 1240 Cell Block West Hall - Near Center	Brown Mastic	None Detected
84	Old Terrazzo Flooring	84-FC5-275	3rd Floor Lobby 300 at East Stair	Tan/Grey Terrazzo	None Detected
		84-FC5-276	11th Floor Room 1160 West Center	Grey Terrazzo	None Detected
		84-FC5-276	11th Floor Room 1160 West Center	Green Glue	None Detected
		84-FC5-277	14th Floor 1440 Infirmary - East Center	Off-White/White Terrazzo	None Detected
85	New Terrazzo Flooring	85-FC5-278	4th Floor Lobby 400 - South Side	Grey Terrazzo	None Detected
		85-FC5-278	4th Floor Lobby 400 - South Side	Lt Tan Mastic	None Detected
		85-FC5-279	5th Floor Lobby 500 - South Side	Grey Terrazzo	None Detected
		85-FC5-280	6th Floor Lobby 600 - South Side	Grey Terrazzo	None Detected
86	Terrazzo Shower Basin	86-MS5-281	12th Floor - SE Cell Block Shower	White Terrazzo	None Detected
		86-MS5-282	13th Floor - NE Cell Block Shower	White Terrazzo	None Detected
		86-MS5-283	14th Floor - NE Cell Block Shower	White Terrazzo	None Detected
87	4” White Ceramic Wall Tile with Grout and Mortar	87-MS5-284	12th Floor - SE Cell Block Shower	White Ceramic	None Detected
		87-MS5-284	12th Floor - SE Cell Block Shower	Grey Grout	None Detected
		87-MS5-284	12th Floor - SE Cell Block Shower	White Mortar	None Detected
		87-MA5-285	13th Floor - NE Cell Block Shower	White Ceramic	None Detected
		87-MA5-285	13th Floor - NE Cell Block Shower	Grey Grout	None Detected
		87-MA5-285	13th Floor - NE Cell Block Shower	White Mortar	None Detected
		87-MA5-286	13th Floor - SE Cell Block Shower	White Ceramic	None Detected
		87-MA5-286	13th Floor - SE Cell Block Shower	Grey Grout	None Detected
		87-MA5-286	13th Floor - SE Cell Block Shower	White Mortar	None Detected
88	Tar Coating on Brick Walls	88-SC2-287	6th Floor 600 D Closet by Window	Black Tar	None Detected
		88-SC2-288	10th Mezzanine Attic Space - South Side	Black Tar	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		88-SC2-289	14th Floor NW Corner Perimeter Wall	Black Tar	None Detected
89	Radiator Insulation Board	89-MS5-290	6th Floor Lobby 600 -South Side	Beige Fiberboard	None Detected
		89-MS5-291	9th Floor Lobby 900 - South Side	Beige Fiberboard	None Detected
		89-MS5-292	10th Floor Lobby 10000 - South Side	Beige Fiberboard	None Detected
90	Black Sink Undercoating	90-SC6-293	8th Floor Room 826 Sink	Black Sink Undercoating	**PC 1.4% Chrysotile**
		90-SC6-294	14th Floor Room 1440 - Sink	Black Sink Undercoating	**PC 1.3% Chrysotile**
		90-SC6-295	14th Floor Room 1440 Sink	Black Sink Undercoating	**PC 0.5% Chrysotile**
91	White Sink Undercoating	91-SC6-296	8th Mezzanine Room 817 M Sink	White Sink Undercoating	None Detected
		91-SC6-297	10th Floor Room 1032 Sink	Off-White Sink Undercoating	None Detected
		91-SC6-298	11th Floor Room 1161 Sink	White Sink Undercoating	None Detected
92	Canvas Vibration Joint Cloth	92-WP1-299	15th Floor Mechanical Room 1560 - North Side	Black Woven Material	None Detected
		92-WP1-300	15th Floor Mechanical Room 1560 - North Side	Black Woven Material	None Detected
		92-WP1-301	15th Floor Mechanical Room 1560 - North Side	Black Woven Material	None Detected
93	Silver/White Woven Vibration Joint Cloth	93-WP1-302	4th Floor Room 415 - Above Ceiling on Duct	White Insulation	**80% Chrysotile**
		93-WP1-303	4th Mezzanine Room 461 M	White Insulation	**80% Chrysotile**
94	Corrugated Cement Panels	94-CP1-304	12th Floor Room 1200 Ceiling	Grey Panel	**15% Chrysotile**
95	Electric Panel Insulators	95-CP5-305	14th Floor Mechanical Room1560 - North Side	Grey Panel	**15% Chrysotile**
96	Metal Fire Doors	96-FD1-306	12th Floor Room 1200 - North Door	White Insulation	**80% Chrysotile**
97	Wall Caulk on Concrete Block	97-CA3-307	14th Floor at Entrance to NE Cell Block	White Caulk	None Detected
		97-CA3-308	15th Floor Corridor 1520 - East End	Grey Caulk	None Detected
		97-CA3-308	15th Floor Corridor 1520 - East End	White Caulk	None Detected
		97-CA3-309	15th Floor Room 1588 at Door	Grey Caulk	None Detected
		97-CA3-309	15th Floor Room 1588 at Door	White Caulk	None Detected
98	Window Glazing	98-SC1-310	Basement Boiler Room B 127 - South Side	Tan Glazing	None Detected
		98-SC1-311	Basement Boiler Room B 127 - South Side	Tan Glazing	None Detected
		98-SC1-312	Basement Boiler Room B 127 - South Side	Tan Glazing	None Detected
99	Black Window Caulk	99-CA1-313	Exterior SW Window of 045 - Top Layer	Black Caulk	None Detected
		99-CA1-314	Exterior East Side of 024	Black Caulk	None Detected

HA No.	Material Description	Sample Number	Sample Location	Sample Layer	Lab Results
		99-CA1-315	Exterior West Side of 066	Black Caulk	None Detected
100	Tan Window Caulk	100-CA1-316	Exterior - SW Window of 045 - Bottom Layer	Tan Glazing	**PC 1.8% Chrysotile**
		100-CA1-317	Exterior - East Side of 024 - Bottom Layer	Tan Glazing	**PC 1.5% Chrysotile**
		100-CA1-318	Exterior - West Side of 066 - Bottom Layer	Tan Glazing	**PC 1.4% Chrysotile**

APPENDIX E

ASBESTOS ANALYTICAL LABORATORY DATA

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164502
Client No.: 01-PI5-01

Percent Asbestos:
None Detected

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation

Percent Non-Asbestos Fibrous Material:
90 Mineral Wool

Location: 1st Mezzanine Room 141 M South Center
Facility:
Percent Non-Fibrous Material:
10

Lab No.: 7164502(L2)
Client No.: 01-PI5-01

Percent Asbestos:
None Detected

Analyst Observation: White/Tan Wall Cover
Client Description: Mineral Wool Pipe Insulation

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Location: 1st Mezzanine Room 141 M South Center
Facility:
Percent Non-Fibrous Material:
60

Lab No.: 7164502(L3)
Client No.: 01-PI5-01

Percent Asbestos:
None Detected

Analyst Observation: Tan Paper
Client Description: Mineral Wool Pipe Insulation

Percent Non-Asbestos Fibrous Material:
80 Cellulose
2 Fibrous Glass

Location: 1st Mezzanine Room 141 M South Center
Facility:
Percent Non-Fibrous Material:
18

Lab No.: 7164503
Client No.: 01-PI5-02

Percent Asbestos:
None Detected

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation

Percent Non-Asbestos Fibrous Material:
90 Mineral Wool

Location: 2nd Floor Room 279 NE Pipe Chase
Facility:
Percent Non-Fibrous Material:
10

Lab No.: 7164503(L2)
Client No.: 01-PI5-02

Percent Asbestos:
None Detected

Analyst Observation: Tan Wall Cover
Client Description: Mineral Wool Pipe Insulation

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Location: 2nd Floor Room 279 NE Pipe Chase
Facility:
Percent Non-Fibrous Material:
60

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/09/2021
Signature:
Analyst: Michael Moore

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164503(L3)
Client No.: 01-PI5-02

Analyst Observation: Tan Paper
Client Description: Mineral Wool Pipe Insulation

Location: 2nd Floor Room 279 NE Pipe Chase
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Cellulose
2 Fibrous Glass

Percent Non-Fibrous Material:
18

Lab No.: 7164504
Client No.: 01-PI5-03

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation

Location: 3rd Mezzanine Carpenter Shop 320 M East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
90 Mineral Wool

Percent Non-Fibrous Material:
10

Lab No.: 7164504(L2)
Client No.: 01-PI5-03

Analyst Observation: Tan/Brown Wall Cover
Client Description: Mineral Wool Pipe Insulation

Location: 3rd Mezzanine Carpenter Shop 320 M East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Percent Non-Fibrous Material:
60

Lab No.: 7164504(L3)
Client No.: 01-PI5-03

Analyst Observation: Tan Insulation
Client Description: Mineral Wool Pipe Insulation

Location: 3rd Mezzanine Carpenter Shop 320 M East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
20 Synthetic

Percent Non-Fibrous Material:
20

Lab No.: 7164505
Client No.: 01-PI5-04

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation

Location: 10th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
90 Mineral Wool

Percent Non-Fibrous Material:
10

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/09/2021
Signature:
Analyst: Michael Moore

Approved By:
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Laboratory Director

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164505(L2)
Client No.: 01-PI5-04

Analyst Observation: Tan/Yellow Wall Cover
Client Description: Mineral Wool Pipe Insulation

Location: 10th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Percent Non-Fibrous Material:
60

Lab No.: 7164505(L3)
Client No.: 01-PI5-04

Analyst Observation: Tan Paper
Client Description: Mineral Wool Pipe Insulation

Location: 10th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Cellulose
2 Fibrous Glass

Percent Non-Fibrous Material:
18

Lab No.: 7164506
Client No.: 01-PI5-05

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation

Location: 14th Floor West Stairwell 51402
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
90 Mineral Wool

Percent Non-Fibrous Material:
10

Lab No.: 7164506(L2)
Client No.: 01-PI5-05

Analyst Observation: Tan/White Wall Cover
Client Description: Mineral Wool Pipe Insulation

Location: 14th Floor West Stairwell 51402
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Percent Non-Fibrous Material:
60

Lab No.: 7164506(L3)
Client No.: 01-PI5-05

Analyst Observation: Tan Paper
Client Description: Mineral Wool Pipe Insulation

Location: 14th Floor West Stairwell 51402
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Cellulose
1 Fibrous Glass

Percent Non-Fibrous Material:
19

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/09/2021
Signature:
Analyst: Michael Moore

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164507
Client No.: 02-MJ5-06

Analyst Observation: Grey Insulation
Client Description: Mudded Fittings and Seams With Mineral Wool Pipe Insulation

Location: 2nd Floor West Stairwell 51402
Facility:

Percent Asbestos:
65 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
35

Lab No.: 7164508
Client No.: 02-MJ5-07

Analyst Observation: Grey Insulation
Client Description: Mudded Fittings and Seams With Mineral Wool Pipe Insulation

Location: 3rd Mezzanine Carpenter Shop 320M East Side
Facility:

Percent Asbestos:
70 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
30

Lab No.: 7164509
Client No.: 02-MJ5-08

Analyst Observation: Grey Insulation
Client Description: Mudded Fittings and Seams With Mineral Wool Pipe Insulation

Location: 10th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
70 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
30

Lab No.: 7164510
Client No.: 02-MJ5-09

Analyst Observation: Grey/Tan/White Insulation
Client Description: Mudded Fittings and Seams With Mineral Wool Pipe Insulation

Location: 10th Mezzanine Attic East Center - Mudded Seam
Facility:

Percent Asbestos:
25 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
60 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
5

Lab No.: 7164511
Client No.: 02-MJ5-10

Analyst Observation: Grey/Tan Insulation
Client Description: Mudded Fittings and Seams With Mineral Wool Pipe Insulation

Location: 14th Floor West Stairwell 51402
Facility:

Percent Asbestos:
30 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
60 Cellulose

Percent Non-Fibrous Material:
10

Lab No.: 7164512
Client No.: 03-PI5-11

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 326 M Storeroom
Facility:

Percent Asbestos:
None Detected

Percent Non-Fibrous Material:
98 Fibrous Glass

Percent Non-Fibrous Material:
2

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/10/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164512(L2)
Client No.: 03-PI5-11

Analyst Observation: Black Tar Paper
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 326 M Storeroom
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	50 Cellulose	50

Lab No.: 7164512(L3)
Client No.: 03-PI5-11

Analyst Observation: Green/Tan Wrap
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 326 M Storeroom
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	95 Cellulose	5

Lab No.: 7164513
Client No.: 03-PI5-12

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 340 M South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	98 Fibrous Glass	2

Lab No.: 7164513(L2)
Client No.: 03-PI5-12

Analyst Observation: Black Tar Paper
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 340 M South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	50 Cellulose	50

Lab No.: 7164513(L3)
Client No.: 03-PI5-12

Analyst Observation: Tan Wrap
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 340 M South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	98 Cellulose	2

Lab No.: 7164514
Client No.: 03-PI5-13

Analyst Observation: White Insulation
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Location: 3rd Mezzanine 380 M NW Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	98 Fibrous Glass	2

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/10/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164514(L2)
Client No.: 03-PI5-13

Percent Asbestos:
None Detected

Analyst Observation: Black Tar Paper
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Percent Non-Asbestos Fibrous Material:
50 Cellulose

Location: 3rd Mezzanine 380 M NW Center
Facility:

Percent Non-Fibrous Material:
50

Lab No.: 7164514(L3)
Client No.: 03-PI5-13

Percent Asbestos:
None Detected

Analyst Observation: Tan/Green Wrap
Client Description: Mineral Wool Pipe Insulation With Tar Paper Wrap

Percent Non-Asbestos Fibrous Material:
90 Cellulose

Location: 3rd Mezzanine 380 M NW Center
Facility:

Percent Non-Fibrous Material:
10

Lab No.: 7164515
Client No.: 04-MJ5-14

Percent Asbestos:
65 *Chrysotile*

Analyst Observation: Grey Insulation
Client Description: Mudded Fittings With Mineral Wool Pipe Insulation and Tar Paper Wrap

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 3rd Mezzanine 326 M Store Room
Facility:

Percent Non-Fibrous Material:
35

Lab No.: 7164516
Client No.: 04-MJ5-15

Percent Asbestos:
65 *Chrysotile*

Analyst Observation: Grey Insulation
Client Description: Mudded Fittings With Mineral Wool Pipe Insulation and Tar Paper Wrap

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 3rd Mezzanine 340 M South Center
Facility:

Percent Non-Fibrous Material:
35

Lab No.: 7164517
Client No.: 04-MJ5-16

Percent Asbestos:
65 *Chrysotile*

Analyst Observation: Grey Insulation
Client Description: Mudded Fittings With Mineral Wool Pipe Insulation and Tar Paper Wrap

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 3rd Mezzanine 380 M NW Corner
Facility:

Percent Non-Fibrous Material:
35

Lab No.: 7164518
Client No.: 05-PI1-17

Percent Asbestos:
10 *Chrysotile*
10 *Amosite*

Analyst Observation: White Insulation
Client Description:

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 5th Floor Room 512 West Side
Facility:

Percent Non-Fibrous Material:
80

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/10/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164519
Client No.: 05-PI1-18

Analyst Observation: White Insulation
Client Description:

Location: 7th Floor Courtroom 725 in South Wall
Facility:

Percent Asbestos:
10 *Chrysotile*
10 *Amosite*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
80

Lab No.: 7164520
Client No.: 05-PI1-19

Analyst Observation: White Insulation
Client Description:

Location: 7th Mezzanine Courtroom 780M in North Wall
Facility:

Percent Asbestos:
10 *Chrysotile*
15 *Amosite*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
75

Lab No.: 7164521
Client No.: 06-MJ1-20

Analyst Observation: Grey Insulation
Client Description:

Location: 5th Floor Room 512 West Side
Facility:

Percent Asbestos:
65 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
35

Lab No.: 7164522
Client No.: 06-MJ1-21

Analyst Observation: Grey Insulation
Client Description:

Location: 7th Mezzanine Room 736M Southwest Corner in Wall
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Fibrous Glass

Percent Non-Fibrous Material:
50

Lab No.: 7164523
Client No.: 06-MJ1-22

Analyst Observation: Grey Insulation
Client Description:

Location: 7th Mezzanine Courtroom 780M in North Wall
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Fibrous Glass

Percent Non-Fibrous Material:
50

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/10/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164524
Client No.: 07-PI2-23

Analyst Observation: Grey Insulation
Client Description:

Location: 3rd Floor 300 D SW Corner
Facility:

Percent Asbestos:
70 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
5 Cellulose

Percent Non-Fibrous Material:
25

Lab No.: 7164525
Client No.: 07-PI2-24

Analyst Observation: Grey/Tan Insulation
Client Description:

Location: 5th Floor Room 500 D SW Corner
Facility:

Percent Asbestos:
70 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
10 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164526
Client No.: 07-PI2-25

Analyst Observation: Grey Insulation
Client Description:

Location: 10th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
75 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
25

Lab No.: 7164527
Client No.: 08-PI3-26

Analyst Observation: Grey/White Insulation
Client Description:

Location: 5th Floor 500 E Pipe Closet
Facility:

Percent Asbestos:
30 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
60 Cellulose

Percent Non-Fibrous Material:
10

Lab No.: 7164528
Client No.: 08-PI3-27

Analyst Observation: Grey/White Insulation
Client Description:

Location: 9th Floor Room 966 Attic Room SW Corner
Facility:

Percent Asbestos:
15 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
75 Cellulose

Percent Non-Fibrous Material:
10

Lab No.: 7164529
Client No.: 08-PI3-28

Analyst Observation: Grey/White Insulation
Client Description:

Location: 10th Mezzanine Attic Space South Side
Facility:

Percent Asbestos:
30 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
55 Cellulose

Percent Non-Fibrous Material:
15

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/10/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
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CERTIFICATE OF ANALYSIS

Client: Terracon
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Client: TER436

Report Date: 3/12/2021
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Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164530
Client No.: 09-MJ3-29

Analyst Observation: Tan Insulation
Client Description:

Location: 5th Floor 500 E Pipe Closet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Fibrous Glass

Percent Non-Fibrous Material:
60

Lab No.: 7164531
Client No.: 09-MJ3-30

Analyst Observation: Grey/White Insulation
Client Description:

Location: 7th Mezzanine 784 M Attic Room
Facility:

Percent Asbestos:
25 *Chrysotile*
PC 5.0 *Amosite*

Percent Non-Asbestos Fibrous Material:
20 Fibrous Glass

Percent Non-Fibrous Material:
50

Lab No.: 7164532
Client No.: 09-MJ3-31

Analyst Observation: Grey Insulation
Client Description:

Location: 10th Mezzanine Attic Space South Side
Facility:

Percent Asbestos:
PC 1.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
40 Fibrous Glass
10 Hair

Percent Non-Fibrous Material:
48.8

Lab No.: 7164533
Client No.: 10-MJ4-32

Analyst Observation: Grey Insulation
Client Description:

Location: 6th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
60 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
5 Fibrous Glass

Percent Non-Fibrous Material:
35

Lab No.: 7164534
Client No.: 10-MJ4-33

Analyst Observation: White Insulation
Client Description:

Location: 10th Mezzanine Attic Space SE Corner
Facility:

Percent Asbestos:
20 *Amosite*
PC 1.8 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
78.2

Please refer to the Appendix of this report for further information regarding your analysis.

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Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164535
Client No.: 10-MJ4-34

Analyst Observation: White/Grey Insulation
Client Description:

Location: 13th Floor NE Corner Wall Space Behind Cell Block
Facility:

Percent Asbestos:
20 *Amosite*
PC 4.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
5 Fibrous Glass

Percent Non-Fibrous Material:
70.8

Lab No.: 7164536
Client No.: 11-FP1-35

Analyst Observation: Off-White Spray-On Fireproofing
Client Description:

Location: 14th Floor NE Corner
Facility:

Percent Asbestos:
15 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
85

Lab No.: 7164537
Client No.: 11-FP1-36

Analyst Observation: Tan Spray-On Fireproofing
Client Description:

Location: 14th Floor NE Cell Block
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164538
Client No.: 11-FP1-37

Analyst Observation: Off-White Spray-On Fireproofing
Client Description:

Location: 14th Floor NW Corner
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164539
Client No.: 11-FP1-38

Analyst Observation: Off-White Spray-On Fireproofing
Client Description:

Location: 14th Floor NW Cell Block SW Corner
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164540
Client No.: 11-FP1-39

Analyst Observation: Off-White Spray-On Fireproofing
Client Description:

Location: 14th Floor SE Corner
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164541 **Client No.:** 11-FP1-40	**Analyst Observation:** Off-White Spray-On Fireproofing **Client Description:**	**Location:** 14th Floor SE Cell Block Hall - SW Corner **Facility:**
Percent Asbestos: ***10*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 90
Lab No.: 7164542 **Client No.:** 11-FP1-41	**Analyst Observation:** Off-White Spray-On Fireproofing **Client Description:**	**Location:** 14th Floor SW Corner **Facility:**
Percent Asbestos: ***10*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 90
Lab No.: 7164543 **Client No.:** 12-PL2-42	**Analyst Observation:** White Texture **Client Description:**	**Location:** 2nd Floor Hall at Room 245 **Facility:**
Percent Asbestos: ***PC 3.2*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 96.8
Lab No.: 7164544 **Client No.:** 12-PL2-43	**Analyst Observation:** White Texture **Client Description:**	**Location:** 2nd Floor Hall at Room 245 **Facility:**
Percent Asbestos: ***PC 4.1*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 95.9
Lab No.: 7164545 **Client No.:** 12-PL2-44	**Analyst Observation:** White Texture **Client Description:**	**Location:** 2nd Floor Hall at Room 245 **Facility:**
Percent Asbestos: ***PC 4.8*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 95.2
Lab No.: 7164546 **Client No.:** 13-PL2-45	**Analyst Observation:** Tan Texture **Client Description:**	**Location:** 2nd Floor Room 279 North Side **Facility:**
Percent Asbestos: ***10*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 90

Surfacing material contains less than 10% vermiculite.

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164547
Client No.: 13-PL2-46

Analyst Observation: Tan Texture
Client Description:

Location: 2nd Floor Room 279 West Side
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
15 *Chrysotile*	None Detected	85

Surfacing material contains less than 10% vermiculite.

Lab No.: 7164548
Client No.: 13-PL2-47

Analyst Observation: Tan Texture
Client Description:

Location: 2nd Floor Room 279 South Side
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 7.8 *Chrysotile*	None Detected	92.2

Surfacing material contains less than 10% vermiculite.

Lab No.: 7164549
Client No.: 14-PL2-48

Analyst Observation: Grey Plaster
Client Description: Plaster on Drywall Ceiling and Wall

Location: 4th Floor Courtroom 460 NW Corner
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Surfacing material contains less than 10% vermiculite.

Lab No.: 7164550
Client No.: 14-PL2-49

Analyst Observation: Grey Plaster
Client Description:

Location: 4th Floor Courtroom 460 NW Corner
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7164551
Client No.: 14-PL2-50

Analyst Observation: Grey Plaster
Client Description:

Location: 4th Mezzanine AHU Room 462 M East Wall
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Surfacing material contains less than 10% vermiculite.

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164552 | **Analyst Observation:** Grey Plaster | **Location:** 4th Mezzanine AHU Room 462
Client No.: 14-PL2-51 | **Client Description:** | M East Wall
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Surfacing material contains less than 10% vermiculite.

Lab No.: 7164553 | **Analyst Observation:** Grey Plaster | **Location:** 4th Mezzanine AHU Room 462
Client No.: 14-PL2-52 | **Client Description:** | M East Wall
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Surfacing material contains less than 10% vermiculite.

Lab No.: 7164554 | **Analyst Observation:** Grey Texture | **Location:** 14th Floor South Center Office
Client No.: 15-PL2-53 | **Client Description:** | Area Between Elevators At North Door
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 6.3 *Chrysotile*	None Detected	93.7

Lab No.: 7164555 | **Analyst Observation:** Tan Texture | **Location:** 14th Floor South Center Office
Client No.: 15-PL2-54 | **Client Description:** | Area Between Elevators East Center Room
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 4.4 *Chrysotile*	None Detected	95.6

Lab No.: 7164556 | **Analyst Observation:** Off-White Texture | **Location:** 14th Floor South Center Office
Client No.: 15-PL2-55 | **Client Description:** | Area Between Elevators SE Corner
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 5.2 *Chrysotile*	None Detected	94.8

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164557 **Client No.:** 16-PL1-56	**Analyst Observation:** White Texture **Client Description:**	**Location:** 3rd Mezzanine 324 M Point Storeroom East Wall **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164558 **Client No.:** 16-PL1-57	**Analyst Observation:** White Texture **Client Description:**	**Location:** 3rd Mezzanine 324 M Point Storeroom East Wall **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164559 **Client No.:** 16-PL1-58	**Analyst Observation:** White Texture **Client Description:**	**Location:** 3rd Mezzanine 324 M Point Storeroom West Wall **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164560 **Client No.:** 17-HP3-59	**Analyst Observation:** White/Grey Plaster **Client Description:**	**Location:** 1st Mezzanine Room 157 M Near Door **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164561 **Client No.:** 17-HP3-60	**Analyst Observation:** White Plaster **Client Description:**	**Location:** 3rd Mezzanine Corridor 302 M Near West Stair **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164561(L2) **Client No.:** 17-HP3-60	**Analyst Observation:** Grey Plaster **Client Description:**	**Location:** 3rd Mezzanine Corridor 302 M Near West Stair **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: Trace Cellulose	Percent Non-Fibrous Material: 100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164562
Client No.: 17-HP3-61

Analyst Observation: White Plaster
Client Description:

Location: 4th Floor 400 D Storage Closet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164562(L2)
Client No.: 17-HP3-61

Analyst Observation: Grey Plaster
Client Description:

Location: 4th Floor 400 D Storage Closet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Lab No.: 7164563
Client No.: 17-HP3-62

Analyst Observation: White/Grey Plaster
Client Description:

Location: 7th Floor 700 D Storage Closet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164564
Client No.: 17-HP3-63

Analyst Observation: White Plaster
Client Description:

Location: 10th Mezzanine 1086 M Attic Room SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164564(L2)
Client No.: 17-HP3-63

Analyst Observation: Grey Plaster
Client Description:

Location: 10th Mezzanine 1086 M Attic Room SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164565
Client No.: 17-HP3-64

Analyst Observation: White Plaster
Client Description:

Location: 12th Floor NW Entry Hall to SE Cell Block
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164565(L2)
Client No.: 17-HP3-64

Analyst Observation: Grey Plaster
Client Description:

Location: 12th Floor NW Entry Hall to SE Cell Block
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Lab No.: 7164566
Client No.: 17-HP3-65

Analyst Observation: White Plaster
Client Description:

Location: 13th Floor Hall Adjacent to Freight Elevator
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164566(L2)
Client No.: 17-HP3-65

Analyst Observation: White Drywall
Client Description:

Location: 13th Floor Hall Adjacent to Freight Elevator
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
2 Cellulose

Percent Non-Fibrous Material:
98

Lab No.: 7164567
Client No.: 18-HP1-66

Analyst Observation: White Plaster
Client Description:

Location: 1st Floor Room 100 B Closet NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164567(L2)
Client No.: 18-HP1-66

Analyst Observation: Grey Plaster
Client Description:

Location: 1st Floor Room 100 B Closet NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164568
Client No.: 18-HP1-67

Analyst Observation: White Plaster
Client Description:

Location: 1st Mezzanine Room 141 M Attic Room South Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164568(L2)
Client No.: 18-HP1-67
Analyst Observation: Grey Plaster
Client Description:
Location: 1st Mezzanine Room 141 M Attic Room South Center
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164569
Client No.: 18-HP1-68
Analyst Observation: White Plaster
Client Description:
Location: 2nd Floor Room 205 West Wall
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164569(L2)
Client No.: 18-HP1-68
Analyst Observation: Grey Plaster
Client Description:
Location: 2nd Floor Room 205 West Wall
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164570
Client No.: 18-HP1-69
Analyst Observation: White Plaster
Client Description:
Location: 3rd Floor Room 302 South Wall
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164570(L2)
Client No.: 18-HP1-69
Analyst Observation: Grey Plaster
Client Description:
Location: 3rd Floor Room 302 South Wall
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164571
Client No.: 18-HP1-70
Analyst Observation: White Plaster
Client Description:
Location: 8th Floor Room 800 D Closet at Door
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164571(L2)
Client No.: 18-HP1-70

Analyst Observation: Grey Plaster
Client Description:

Location: 8th Floor Room 800 D Closet at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164572
Client No.: 18-HP1-71

Analyst Observation: White Plaster
Client Description:

Location: 13th Floor Room 1360 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164572(L2)
Client No.: 18-HP1-71

Analyst Observation: Grey Plaster
Client Description:

Location: 13th Floor Room 1360 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164573
Client No.: 18-HP1-72

Analyst Observation: White Plaster
Client Description:

Location: 15th Floor Corridor 1520 at Elevator
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164573(L2)
Client No.: 18-HP1-72

Analyst Observation: Grey Plaster
Client Description:

Location: 15th Floor Corridor 1520 at Elevator
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164574
Client No.: 19-HP5-73

Analyst Observation: Dk Grey Concrete
Client Description: Concrete Plaster

Location: 14th Floor Corridor 1401 at Prisoner Elevator
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164575
Client No.: 19-HP5-74

Analyst Observation: Dk Grey Concrete
Client Description: Concrete Plaster

Location: 14th Floor 1460 Pipe Chase by West Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164576
Client No.: 19-HP5-75

Analyst Observation: Grey Concrete
Client Description: Concrete Plaster

Location: 14th Floor NE Quadrant Pipe Chase by Center Hall
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164577
Client No.: 20-WB1-76

Analyst Observation: White/Tan Drywall
Client Description:

Location: Ground Floor Room 053 Storage at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Percent Non-Fibrous Material:
60

Lab No.: 7164577(L2)
Client No.: 20-WB1-76

Analyst Observation: White Joint Compound
Client Description:

Location: Ground Floor Room 053 Storage at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164577(L3)
Client No.: 20-WB1-76

Analyst Observation: Composite
Client Description:

Location: Ground Floor Room 053 Storage at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
38 Cellulose

Percent Non-Fibrous Material:
62

Lab No.: 7164578
Client No.: 20-WB1-77

Analyst Observation: White/Tan Drywall
Client Description:

Location: 8th Floor Hall 825 at Door to Room 804
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
20 Cellulose
1 Fibrous Glass

Percent Non-Fibrous Material:
79

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Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164578(L2)
Client No.: 20-WB1-77

Analyst Observation: White Joint Compound
Client Description:

Location: 8th Floor Hall 825 at Door to Room 804
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164578(L3)
Client No.: 20-WB1-77

Analyst Observation: Composite
Client Description:

Location: 8th Floor Hall 825 at Door to Room 804
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
15 Cellulose
1 Fibrous Glass

Percent Non-Fibrous Material:
84

Lab No.: 7164579
Client No.: 20-WB1-78

Analyst Observation: Pink/Tan Drywall
Client Description:

Location: 10th Mezzanine Room 1084 M SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose

Percent Non-Fibrous Material:
60

Lab No.: 7164579(L2)
Client No.: 20-WB1-78

Analyst Observation: White Joint Compound
Client Description:

Location: 10th Mezzanine Room 1084 M SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164579(L3)
Client No.: 20-WB1-78

Analyst Observation: Composite
Client Description:

Location: 10th Mezzanine Room 1084 M SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose

Percent Non-Fibrous Material:
70

Lab No.: 7164580
Client No.: 20-WB1-79

Analyst Observation: Pink/Tan Drywall
Client Description:

Location: 11th Floor Room 1180 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose

Percent Non-Fibrous Material:
65

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164580(L2)
Client No.: 20-WB1-79

Analyst Observation: White Joint Compound
Client Description:

Location: 11th Floor Room 1180 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164580(L3)
Client No.: 20-WB1-79

Analyst Observation: Composite
Client Description:

Location: 11th Floor Room 1180 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose

Percent Non-Fibrous Material:
70

Lab No.: 7164581
Client No.: 20-WB1-80

Analyst Observation: White/Tan Drywall
Client Description:

Location: 12th Floor Room 1240 NW Hall
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
25 Cellulose

Percent Non-Fibrous Material:
75

Lab No.: 7164581(L2)
Client No.: 20-WB1-80

Analyst Observation: White Joint Compound
Client Description:

Location: 12th Floor Room 1240 NW Hall
Facility:

Percent Asbestos:
PC 2.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.6

Lab No.: 7164581(L3)
Client No.: 20-WB1-80

Analyst Observation: Composite
Client Description:

Location: 12th Floor Room 1240 NW Hall
Facility:

Percent Asbestos:
PC 0.25 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
22 Cellulose

Percent Non-Fibrous Material:
77.75

Lab No.: 7164582
Client No.: 20-WB1-81

Analyst Observation: White/Tan Drywall
Client Description:

Location: 14th Floor Infirmary West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose
2 Fibrous Glass

Percent Non-Fibrous Material:
58

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164582(L2)
Client No.: 20-WB1-81

Analyst Observation: White Joint Compound
Client Description:

Location: 14th Floor Infirmary West Side
Facility:

Percent Asbestos:
PC 1.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.5

Lab No.: 7164582(L3)
Client No.: 20-WB1-81

Analyst Observation: Composite
Client Description:

Location: 14th Floor Infirmary West Side
Facility:

Percent Asbestos:
PC Trace *Chrysotile*

Percent Non-Asbestos Fibrous Material:
39 Cellulose

Percent Non-Fibrous Material:
61

Lab No.: 7164583
Client No.: 20-WB1-82

Analyst Observation: White/Tan Drywall
Client Description:

Location: 15th Floor Room 1590 Above Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose

Percent Non-Fibrous Material:
65

Lab No.: 7164583(L2)
Client No.: 20-WB1-82

Analyst Observation: White Joint Compound
Client Description:

Location: 15th Floor Room 1590 Above Door
Facility:

Percent Asbestos:
PC 1.9 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.1

Lab No.: 7164583(L3)
Client No.: 20-WB1-82

Analyst Observation: Composite
Client Description:

Location: 15th Floor Room 1590 Above Door
Facility:

Percent Asbestos:
PC 0.25 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
30 Cellulose

Percent Non-Fibrous Material:
69.75

Lab No.: 7164584
Client No.: 21-CT1-83

Analyst Observation: Tan/White Ceiling Tile
Client Description: 1x1 Hole Pattern

Location: 2nd Floor Room 249 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
95 Cellulose

Percent Non-Fibrous Material:
5

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164584(L2)
Client No.: 21-CT1-83

Analyst Observation: Brown Mastic
Client Description: 1x1 Hole Pattern

Location: 2nd Floor Room 249 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164585
Client No.: 21-CT1-84

Analyst Observation: Tan/White Ceiling Tile
Client Description: 1x1 Hole Pattern

Location: 2nd Floor Room 249 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
95 Cellulose

Percent Non-Fibrous Material:
5

Lab No.: 7164585(L2)
Client No.: 21-CT1-84

Analyst Observation: Brown Mastic
Client Description: 1x1 Hole Pattern

Location: 2nd Floor Room 249 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164586
Client No.: 21-CT1-85

Analyst Observation: Beige Ceiling Tile
Client Description: 1x1 Hole Pattern

Location: 2nd Floor Room 249 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Cellulose

Percent Non-Fibrous Material:
1

Lab No.: 7164586(L2)
Client No.: 21-CT1-85

Analyst Observation: Brown Mastic
Client Description: 1x1 Hole Pattern

Location: 2nd Floor Room 249 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164587
Client No.: 22-CT1-86

Analyst Observation: Beige Ceiling Tile
Client Description: 1x1 Pinhole Pattern

Location: 2nd Floor Room 243 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Cellulose

Percent Non-Fibrous Material:
1

Lab No.: 7164587(L2)
Client No.: 22-CT1-86

Analyst Observation: Lt Brown Mastic
Client Description: 1x1 Pinhole Pattern

Location: 2nd Floor Room 243 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164588
Client No.: 22-CT1-87

Analyst Observation: Beige Ceiling Tile
Client Description: 1x1 Pinhole Pattern

Location: 2nd Floor Room 243 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Cellulose

Percent Non-Fibrous Material:
1

Lab No.: 7164588(L2)
Client No.: 22-CT1-87

Analyst Observation: Lt Brown Mastic
Client Description: 1x1 Pinhole Pattern

Location: 2nd Floor Room 243 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

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Approved By:
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164589
Client No.: 22-CT1-88

Analyst Observation: Beige Ceiling Tile
Client Description: 1x1 Pinhole Pattern

Location: 2nd Floor Room 243 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Cellulose

Percent Non-Fibrous Material:
1

Lab No.: 7164589(L2)
Client No.: 22-CT1-88

Analyst Observation: Lt Brown Mastic
Client Description: 1x1 Pinhole Pattern

Location: 2nd Floor Room 243 Upper Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164590
Client No.: 23-CT1-89

Analyst Observation: Off-White Ceiling Tile
Client Description: 1x1 Gouge Pattern

Location: 7th Floor Lobby 700 at East Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
2 Cellulose

Percent Non-Fibrous Material:
43

Lab No.: 7164590(L2)
Client No.: 23-CT1-89

Analyst Observation: Brown Mastic
Client Description: 1x1 Gouge Pattern

Location: 7th Floor Lobby 700 at East Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7164591
Client No.: 23-CT1-90

Analyst Observation: Off-White Ceiling Tile
Client Description: 1x1 Gouge Pattern

Location: 7th Floor Lobby 700 at West Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
3 Cellulose

Percent Non-Fibrous Material:
42

Lab No.: 7164591(L2)
Client No.: 23-CT1-90

Analyst Observation: Brown Mastic
Client Description: 1x1 Gouge Pattern

Location: 7th Floor Lobby 700 at West Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

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Client: TER436

Report Date: 3/12/2021
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Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164592
Client No.: 23-CT1-91

Analyst Observation: Off-White Ceiling Tile
Client Description: 1x1 Gouge Pattern

Location: 7th Floor Lobby 700 at South Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
2 Cellulose

Percent Non-Fibrous Material:
43

Lab No.: 7164592(L2)
Client No.: 23-CT1-91

Analyst Observation: Brown Mastic
Client Description: 1x1 Gouge Pattern

Location: 7th Floor Lobby 700 at South Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7164593
Client No.: 24-CT1-92

Analyst Observation: Lt Grey Ceiling Tile
Client Description: 1x1 Gouge Pattern Spline

Location: 7th Mezzanine Lobby 700 M SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass

Percent Non-Fibrous Material:
45

Lab No.: 7164594
Client No.: 24-CT1-93

Analyst Observation: Lt Grey Ceiling Tile
Client Description: 1x1 Gouge Pattern Spline

Location: 8th Floor Room 840 SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Fibrous Glass

Percent Non-Fibrous Material:
40

Lab No.: 7164595
Client No.: 24-CT1-94

Analyst Observation: Lt Grey Ceiling Tile
Client Description: 1x1 Gouge Pattern Spline

Location: 9th Floor Room 960 South Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Fibrous Glass

Percent Non-Fibrous Material:
40

Lab No.: 7164596
Client No.: 25-CT1-95

Analyst Observation: Lt Grey Ceiling Tile
Client Description: 1x1 Rough Pattern Glue On

Location: 7th Floor Room 725 Courtroom Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
2 Cellulose

Percent Non-Fibrous Material:
43

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164596(L2)
Client No.: 25-CT1-95
Analyst Observation: Brown Mastic
Client Description: 1x1 Rough Pattern Glue On
Location: 7th Floor Room 725 Courtroom Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7164597
Client No.: 25-CT1-96
Analyst Observation: Off-White Ceiling Tile
Client Description: 1x1 Rough Pattern Glue On
Location: 7th Mezzanine Room 713 M
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
1 Cellulose

Percent Non-Fibrous Material:
44

Lab No.: 7164597(L2)
Client No.: 25-CT1-96
Analyst Observation: Brown Mastic
Client Description: 1x1 Rough Pattern Glue On
Location: 7th Mezzanine Room 713 M
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7164598
Client No.: 25-CT1-97
Analyst Observation: Lt Grey Ceiling Tile
Client Description: 1x1 Rough Pattern Glue On
Location: 7th Mezzanine Room 782 AM Closet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
1 Cellulose

Percent Non-Fibrous Material:
44

Lab No.: 7164598(L2)
Client No.: 25-CT1-97
Analyst Observation: Brown Mastic
Client Description: 1x1 Rough Pattern Glue On
Location: 7th Mezzanine Room 782 AM Closet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7164599
Client No.: 26-CT1-98
Analyst Observation: Lt Tan Ceiling Tile
Client Description: 1x1 Lunar Pattern
Location: 8th Floor Lobby 820 SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
2 Cellulose

Percent Non-Fibrous Material:
43

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164600 **Client No.:** 26-CT1-99	**Analyst Observation:** Lt Tan Ceiling Tile **Client Description:** 1x1 Lunar Pattern	**Location:** 8th Floor Lobby 820 NW Corner **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 55 Fibrous Glass 2 Cellulose	Percent Non-Fibrous Material: 43
Lab No.: 7164601 **Client No.:** 26-CT1-100	**Analyst Observation:** Lt Tan Ceiling Tile **Client Description:** 1x1 Lunar Pattern	**Location:** 8th Floor Lobby 820 SE Corner **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 55 Fibrous Glass 2 Cellulose	Percent Non-Fibrous Material: 43
Lab No.: 7164602 **Client No.:** 27-CT1-101	**Analyst Observation:** Beige Ceiling Tile **Client Description:** 1x1 Smooth	**Location:** 13th Floor Room 1300 SW Corner **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 99 Cellulose	Percent Non-Fibrous Material: 1
Lab No.: 7164603 **Client No.:** 27-CT1-102	**Analyst Observation:** Beige Ceiling Tile **Client Description:** 1x1 Smooth	**Location:** 13th Floor Room 1300 NE Corner **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 99 Cellulose	Percent Non-Fibrous Material: 1
Lab No.: 7164604 **Client No.:** 27-CT1-103	**Analyst Observation:** Beige Ceiling Tile **Client Description:** 1x1 Smooth	**Location:** 13th Floor Room 1300 West Center **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 99 Cellulose	Percent Non-Fibrous Material: 1
Lab No.: 7164605 **Client No.:** 28-MG6-104	**Analyst Observation:** Brown Mastic **Client Description:** Glue Dots	**Location:** 4th Mezzanine Room 440 M North Center **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 1 Cellulose 1 Fibrous Glass	Percent Non-Fibrous Material: 98

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164605(L2)
Client No.: 28-MG6-104

Analyst Observation: Off-White Ceiling Tile
Client Description: Glue Dots

Location: 4th Mezzanine Room 440 M North Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Fibrous Glass
10 Cellulose

Percent Non-Fibrous Material:
50

Lab No.: 7164606
Client No.: 28-MG6-105

Analyst Observation: Brown Mastic
Client Description: Glue Dots

Location: 4th Mezzanine Room 440 M NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose
1 Fibrous Glass

Percent Non-Fibrous Material:
98

Lab No.: 7164606(L2)
Client No.: 28-MG6-105

Analyst Observation: Off-White Ceiling Tile
Client Description: Glue Dots

Location: 4th Mezzanine Room 440 M NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Fibrous Glass
10 Cellulose

Percent Non-Fibrous Material:
50

Lab No.: 7164607
Client No.: 28-MG6-106

Analyst Observation: Brown Mastic
Client Description: Glue Dots

Location: 4th Mezzanine Room 440 M West of Vault
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7164607(L2)
Client No.: 28-MG6-106

Analyst Observation: Off-White Ceiling Tile
Client Description: Glue Dots

Location: 4th Mezzanine Room 440 M West of Vault
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Fibrous Glass
10 Cellulose

Percent Non-Fibrous Material:
50

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Date Received: 3/3/2021
Date Analyzed: 03/10/2021
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164608
Client No.: 29-CT3-107

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Pocks and Pinhole Pattern

Location: Ground Floor Room 020 Office NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
20 Fibrous Glass
25 Cellulose

Percent Non-Fibrous Material:
55

Lab No.: 7164609
Client No.: 29-CT3-108

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Pocks and Pinhole Pattern

Location: Ground Floor Room 095 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
25 Cellulose
20 Fibrous Glass

Percent Non-Fibrous Material:
55

Lab No.: 7164610
Client No.: 29-CT3-109

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Pocks and Pinhole Pattern

Location: 1st Floor Room 180 Office North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
25 Cellulose
20 Fibrous Glass

Percent Non-Fibrous Material:
55

Lab No.: 7164611
Client No.: 30-CT3-110

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Batwing Pattern

Location: 1st Floor Room 185 NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
20 Fibrous Glass

Percent Non-Fibrous Material:
50

Lab No.: 7164612
Client No.: 30-CT3-111

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Batwing Pattern

Location: 1st Floor Room 185 SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
20 Fibrous Glass

Percent Non-Fibrous Material:
50

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164613
Client No.: 30-CT3-112

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Batwing Pattern

Location: 1st Floor Room 185 SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
20 Fibrous Glass

Percent Non-Fibrous Material:
50

Lab No.: 7164614
Client No.: 31-CT3-113

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Smooth Flat Pattern

Location: 5th Floor Room 503 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
51

Lab No.: 7164615
Client No.: 31-CT3-114

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Smooth Flat Pattern

Location: 7th Floor Room 712 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
51

Lab No.: 7164616
Client No.: 31-CT3-115

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Smooth Flat Pattern

Location: 7th Floor Room 780 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
51

Lab No.: 7164617
Client No.: 32-CT3-116

Analyst Observation: Lt Tan/Silver Ceiling Tile
Client Description: 2x2 Rough Pattern

Location: 1st Floor Room 120 East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
7 Cellulose

Percent Non-Fibrous Material:
48

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164618
Client No.: 32-CT3-117

Analyst Observation: Lt Tan/Silver Ceiling Tile
Client Description: 2x2 Rough Pattern

Location: 6th Floor Room 615 Office Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
7 Cellulose

Percent Non-Fibrous Material:
48

Lab No.: 7164619
Client No.: 32-CT3-118

Analyst Observation: Lt Tan/Silver Ceiling Tile
Client Description: 2x2 Rough Pattern

Location: 8th Mezzanine Room 801 M
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
7 Cellulose

Percent Non-Fibrous Material:
48

Lab No.: 7164620
Client No.: 33-CT3-119

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Rough Fissure Pattern

Location: 9th Floor Room 906 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
7 Cellulose

Percent Non-Fibrous Material:
48

Lab No.: 7164621
Client No.: 33-CT3-120

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Rough Fissure Pattern

Location: 9th Floor Room 921 North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
7 Cellulose

Percent Non-Fibrous Material:
48

Lab No.: 7164622
Client No.: 33-CT3-121

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Rough Fissure Pattern

Location: 9th Floor Room 921 South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Fibrous Glass
7 Cellulose

Percent Non-Fibrous Material:
48

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164623
Client No.: 34-CT3-122

Analyst Observation: Lt Tan/Silver Ceiling Tile
Client Description: 2x2 Rough Grooves Pattern

Location: 11th Floor Room 1121 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
41

Lab No.: 7164624
Client No.: 34-CT3-123

Analyst Observation: Lt Tan/Silver Ceiling Tile
Client Description: 2x2 Rough Grooves Pattern

Location: 11th Floor Room 1180 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
41

Lab No.: 7164625
Client No.: 34-CT3-124

Analyst Observation: Lt Tan/Silver Ceiling Tile
Client Description: 2x2 Rough Grooves Pattern

Location: 11th Floor Hall 1190
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
41

Lab No.: 7164626
Client No.: 35-CT3-125

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Rough Texture Pattern

Location: 14th Floor Room 1420 A North Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
41

Lab No.: 7164627
Client No.: 35-CT3-126

Analyst Observation: Lt Tan Ceiling Tile
Client Description: 2x2 Rough Texture Pattern

Location: 14th Floor Room 1420 A South Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Fibrous Glass
4 Cellulose

Percent Non-Fibrous Material:
41

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164628
Client No.: 35-CT3-127

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Rough Texture Pattern

Location: 14th Floor Room 1440 NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164629
Client No.: 36-CT3-128

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Lunar Pattern

Location: 9th Floor Room 920 NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164630
Client No.: 36-CT3-129

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Lunar Pattern

Location: 9th Floor Room 920 SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164631
Client No.: 36-CT3-130

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Lunar Pattern

Location: 9th Floor Room 920 SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool
3 Cellulose

Percent Non-Fibrous Material:
17

Lab No.: 7164632
Client No.: 37-CT3-131

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Dent Pattern

Location: 10th Floor Room 1011 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164633
Client No.: 37-CT3-132

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Dent Pattern

Location: 10th Mezzanine Room 1084 M NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164634
Client No.: 37-CT3-133

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Dent Pattern

Location: 10th Mezzanine Room 1085 M North Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164635
Client No.: 38-CT3-134

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Textured Pattern

Location: 10th Floor Room 1017 NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164636
Client No.: 38-CT3-135

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Textured Pattern

Location: 10th Floor Room 1017 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164637
Client No.: 38-CT3-136

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Textured Pattern

Location: 10th Floor Room 1017 SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164638
Client No.: 39-CT3-137

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Dot Pattern

Location: 4th Mezzanine Room 417 M Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164639
Client No.: 39-CT3-138

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Dot Pattern

Location: 9th Floor Room 960 Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164640
Client No.: 39-CT3-139

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Dot Pattern

Location: 10th Floor Room 1080 Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164641
Client No.: 40-CT3-140

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Pinhole and Fissure Pattern

Location: 10th Floor Room 1028 Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164642
Client No.: 40-CT3-141

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Pinhole and Fissure Pattern

Location: 10th Floor Room 1049 at Entry
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164643
Client No.: 40-CT3-142

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Pinhole and Fissure Pattern

Location: 10th Floor Room 1044 Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164644
Client No.: 41-CT3-143

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Pinhole Pattern

Location: 11th Floor Room 1123 SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164645
Client No.: 41-CT3-144

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Pinhole Pattern

Location: 11th Floor Room 1123 NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164646
Client No.: 41-CT3-145

Analyst Observation: White Ceiling Tile
Client Description: 2x2 Pinhole Pattern

Location: 11th Floor Room 1123 NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164647
Client No.: 42-CT4-146

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Deep Fissure Pattern

Location: Ground Floor Room 057 North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164648
Client No.: 42-CT4-147

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Deep Fissure Pattern

Location: Ground Floor Room 057 West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164649
Client No.: 42-CT4-148

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Deep Fissure Pattern

Location: Ground Floor Room 057 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164650
Client No.: 43-CT4-149

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Square Pattern

Location: Ground Floor Room 060 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164651
Client No.: 43-CT4-150

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Square Pattern

Location: Ground Floor Room 060 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164652
Client No.: 43-CT4-151

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Square Pattern

Location: Ground Floor Room 065 - Breakroom
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164653
Client No.: 44-CT4-152

Analyst Observation: Beige/Pink Ceiling Tile
Client Description: 2x4 Wormhole Pattern

Location: Ground Floor Room 091 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
20

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164654
Client No.: 44-CT4-153

Analyst Observation: Beige/Pink Ceiling Tile
Client Description: 2x4 Wormhole Pattern

Location: Ground Floor Room 091 - West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164655
Client No.: 44-CT4-154

Analyst Observation: Beige/Pink Ceiling Tile
Client Description: 2x4 Wormhole Pattern

Location: Ground Floor Room 091 - East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164656
Client No.: 45-CT4-155

Analyst Observation: Tan/White Ceiling Tile
Client Description: 2x4 Wormhole and PinholePattern

Location: Basement Office B 125 - Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164657
Client No.: 45-CT4-156

Analyst Observation: Tan/White Ceiling Tile
Client Description: 2x4 Wormhole and PinholePattern

Location: 4th Mezzanine Room 460M - North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164658
Client No.: 45-CT4-157

Analyst Observation: Tan/White Ceiling Tile
Client Description: 2x4 Wormhole and PinholePattern

Location: 4th Mezzanine Room 460M - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164659
Client No.: 46-CT4-158

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Pinhole and Fissure Pattern

Location: 2nd Floor Room 252 - Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
5 Mineral Wool

Percent Non-Fibrous Material:
35

Lab No.: 7164660
Client No.: 46-CT4-159

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Pinhole and Fissure Pattern

Location: 4th Floor Room 464 - East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
5 Mineral Wool

Percent Non-Fibrous Material:
35

Lab No.: 7164661
Client No.: 46-CT4-160

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Pinhole and Fissure Pattern

Location: 4th Floor Room 464 - West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
5 Mineral Wool

Percent Non-Fibrous Material:
35

Lab No.: 7164662
Client No.: 47-CT4-161

Analyst Observation: White/Tan Ceiling Tile
Client Description: 2x4 Wood Fiber With Fissure and Pinhole Pattern

Location: 7th Mezzanine Room 702M - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7164663
Client No.: 47-CT4-162

Analyst Observation: White/Tan Ceiling Tile
Client Description: 2x4 Wood Fiber With Fissure and Pinhole Pattern

Location: 7th Mezzanine 734M Hall - Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
80 Cellulose

Percent Non-Fibrous Material:
20

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/11/2021
Signature:
Analyst: Michael Moore

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164664
Client No.: 47-CT4-163

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Wood Fiber With Fissure and Pinhole Pattern

Location: 7th Mezzanine 749M - Storeroom
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
20

Lab No.: 7164665
Client No.: 48-CT4-164

Analyst Observation: Beige/White Ceiling Tile
Client Description: 2x4 Wormhole and Texture Pattern

Location: 12th Floor Room 1240 - NW Storeroom
Facility:

Percent Asbestos:
PC 2.6 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
17.4

Lab No.: 7164666
Client No.: 48-CT4-165

Analyst Observation: White Ceiling Tile
Client Description: 2x4 Wormhole and Texture Pattern

Location: 12th Floor Room 1240 - Hall
Facility:

Percent Asbestos:
PC 1.2 *Chrysotile*
PC 1.1 *Amosite*

Percent Non-Asbestos Fibrous Material:
80 Mineral Wool

Percent Non-Fibrous Material:
17.7

Lab No.: 7164667
Client No.: 48-CT4-166

Analyst Observation: Beige/White Ceiling Tile
Client Description: 2x4 Wormhole and Texture Pattern

Location: 12th Floor Room 1240 - East Room
Facility:

Percent Asbestos:
PC 1.8 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
50 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
18.2

Lab No.: 7164668
Client No.: 49-FT1-167

Analyst Observation: White Floor Tile
Client Description: 9x9 Brown WT

Location: 12th Floor Room 1240 - NW Storeroom - Near Door
Facility:

Percent Asbestos:
PC 2.8 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.2

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
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Laboratory Director

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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164668(L2)
Client No.: 49-FT1-167

Analyst Observation: Black Mastic
Client Description: 9x9 Brown WT

Location: 12th Floor Room 1240 - NW Storeroom - Near Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164669
Client No.: 49-FT1-168

Analyst Observation: White Floor Tile
Client Description: 9x9 Brown WT

Location: 12th Floor Room 1240 - NW Storeroom - Near Center
Facility:

Percent Asbestos:
PC 2.6 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.4

Lab No.: 7164669(L2)
Client No.: 49-FT1-168

Analyst Observation: Black Mastic
Client Description: 9x9 Brown WT

Location: 12th Floor Room 1240 - NW Storeroom - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164670
Client No.: 49-FT1-169

Analyst Observation: White Floor Tile
Client Description: 9x9 Brown WT

Location: 12th Floor Room 1240 NW Storeroom - East Side
Facility:

Percent Asbestos:
PC 2.6 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.4

Lab No.: 7164670(L2)
Client No.: 49-FT1-169

Analyst Observation: Black Mastic
Client Description: 9x9 Brown WT

Location: 12th Floor Room 1240 NW Storeroom - East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164671
Client No.: 50-FT1-170

Analyst Observation: Grey Floor Tile
Client Description: 9x9 Grey

Location: 4th Mezzanine Room 400 DM - Bottom Layer
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

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Laboratory Director

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Client: TER436

Report Date: 3/12/2021
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Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164671(L2)
Client No.: 50-FT1-170

Analyst Observation: Black Mastic
Client Description: 9x9 Grey

Location: 4th Mezzanine Room 400 DM - Bottom Layer
Facility:

Percent Asbestos:
PC 4.6 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.4

Lab No.: 7164672
Client No.: 50-FT1-171

Analyst Observation: Grey Floor Tile
Client Description: 9x9 Grey

Location: 8th Mezzanine Room 814 M
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164672(L2)
Client No.: 50-FT1-171

Analyst Observation: Black Mastic
Client Description: 9x9 Grey

Location: 8th Mezzanine Room 814 M
Facility:

Percent Asbestos:
PC 5.0 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95

Lab No.: 7164673
Client No.: 50-FT1-172

Analyst Observation: Grey Floor Tile
Client Description: 9x9 Grey

Location: 9th Floor Rm 985 Below Radiator - Bottom Layer
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164673(L2)
Client No.: 50-FT1-172

Analyst Observation: Black Mastic
Client Description: 9x9 Grey

Location: 9th Floor Rm 985 Below Radiator - Bottom Layer
Facility:

Percent Asbestos:
PC 4.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.8

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164674
Client No.: 51-FT1-173

Analyst Observation: Brown Floor Tile
Client Description: 9x9 Various Colors

Location: 4th Floor Room 411 A Closet - Under Server
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Note: Insufficient mastic provided for analysis.

Lab No.: 7164675
Client No.: 51-FT1-174

Analyst Observation: Green Floor Tile
Client Description: 9x9 Various Colors

Location: 5th Mezzanine Room 517 M at Door
Facility:

Percent Asbestos:
PC 4.7 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.3

Lab No.: 7164675(L2)
Client No.: 51-FT1-174

Analyst Observation: Black Mastic
Client Description: 9x9 Various Colors

Location: 5th Mezzanine Room 517 M at Door
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164675(L3)
Client No.: 51-FT1-174

Analyst Observation: Tan Mastic
Client Description: 9x9 Various Colors

Location: 5th Mezzanine Room 517 M at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164676
Client No.: 51-FT1-175

Analyst Observation: Off-White Floor Tile
Client Description: 9x9 Various Colors

Location: 7th Mezzanine Office 788M - Near Door
Facility:

Percent Asbestos:
PC 1.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.8

Lab No.: 7164676(L2)
Client No.: 51-FT1-175

Analyst Observation: Black Mastic
Client Description: 9x9 Various Colors

Location: 7th Mezzanine Office 788M - Near Door
Facility:

Percent Asbestos:
PC 8.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
91.7

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

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Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164677
Client No.: 52-FT2-176

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Grey With Grey and White

Location: Ground Floor Room 021 AHU Room - SW Corner
Facility:

Percent Asbestos:
PC 1.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.7

Lab No.: 7164677(L2)
Client No.: 52-FT2-176

Analyst Observation: Black Mastic
Client Description: 12x12 Grey With Grey and White

Location: Ground Floor Room 021 AHU Room - SW Corner
Facility:

Percent Asbestos:
PC 6.8 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
93.2

Lab No.: 7164678
Client No.: 52-FT2-177

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Grey With Grey and White

Location: Ground Floor Room 021 AHU Room - SW Corner
Facility:

Percent Asbestos:
PC 1.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.5

Lab No.: 7164678(L2)
Client No.: 52-FT2-177

Analyst Observation: Black Mastic
Client Description: 12x12 Grey With Grey and White

Location: Ground Floor Room 021 AHU Room - SW Corner
Facility:

Percent Asbestos:
PC 3.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.5

Lab No.: 7164679
Client No.: 52-FT2-178

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Grey With Grey and White

Location: Ground Floor Room 021 AHU Room - SW Corner
Facility:

Percent Asbestos:
PC 1.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.8

Lab No.: 7164679(L2)
Client No.: 52-FT2-178

Analyst Observation: Black Mastic
Client Description: 12x12 Grey With Grey and White

Location: Ground Floor Room 021 AHU Room - SW Corner
Facility:

Percent Asbestos:
PC 4.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.7

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164680
Client No.: 53-FT2-179

Analyst Observation: Blue Floor Tile
Client Description: 12x12 Blue

Location: Ground Floor Mail Room 046 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164680(L2)
Client No.: 53-FT2-179

Analyst Observation: Tan Mastic
Client Description: 12x12 Blue

Location: Ground Floor Mail Room 046 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164681
Client No.: 53-FT2-180

Analyst Observation: Blue Floor Tile
Client Description: 12x12 Blue

Location: Ground Floor Mail Room 046 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164681(L2)
Client No.: 53-FT2-180

Analyst Observation: Tan Mastic
Client Description: 12x12 Blue

Location: Ground Floor Mail Room 046 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164682
Client No.: 53-FT2-181

Analyst Observation: Blue Floor Tile
Client Description: 12x12 Blue

Location: Ground Floor Mail Room 046 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164682(L2)
Client No.: 53-FT2-181

Analyst Observation: Tan Mastic
Client Description: 12x12 Blue

Location: Ground Floor Mail Room 046 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

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Date Analyzed: 03/12/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164683
Client No.: 54-FT2-182

Analyst Observation: Green Floor Tile
Client Description: 12x12 Green With White

Location: Ground Floor Room 065 Break Room - East Side
Facility:

Percent Asbestos:
PC 1.7 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.3

Lab No.: 7164683(L2)
Client No.: 54-FT2-182

Analyst Observation: Tan Mastic
Client Description: 12x12 Green With White

Location: Ground Floor Room 065 Break Room - East Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164683(L3)
Client No.: 54-FT2-182

Analyst Observation: Black Mastic
Client Description: 12x12 Green With White

Location: Ground Floor Room 065 Break Room - East Side
Facility:

Percent Asbestos:
PC 3.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.6

Lab No.: 7164684
Client No.: 54-FT2-183

Analyst Observation: Green Floor Tile
Client Description: 12x12 Green With White

Location: 2nd Floor Room 236 Office
Facility:

Percent Asbestos:
PC 3.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.7

Lab No.: 7164684(L2)
Client No.: 54-FT2-183

Analyst Observation: Black Mastic
Client Description: 12x12 Green With White

Location: 2nd Floor Room 236 Office
Facility:

Percent Asbestos:
PC 8.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
91.5

Lab No.: 7164685
Client No.: 54-FT2-184

Analyst Observation: Green Floor Tile
Client Description: 12x12 Green With White

Location: 2nd Floor 225 Hall - West End
Facility:

Percent Asbestos:
PC 2.6 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.4

Please refer to the Appendix of this report for further information regarding your analysis.

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Signature: Becky Hargrove
Analyst: Rebecca Hargrove

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164685(L2)
Client No.: 54-FT2-184
Analyst Observation: Green Mastic
Client Description: 12x12 Green With White
Location: 2nd Floor 225 Hall - West End
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164685(L3)
Client No.: 54-FT2-184
Analyst Observation: Black Mastic
Client Description: 12x12 Green With White
Location: 2nd Floor 225 Hall - West End
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164686
Client No.: 55-FT2-185
Analyst Observation: Tan Floor Tile
Client Description: 12x12 Brown With Brown and White
Location: Ground Floor Men's Restroom 056
Facility:

Percent Asbestos:
PC 1.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.7

Lab No.: 7164686(L2)
Client No.: 55-FT2-185
Analyst Observation: Black Mastic
Client Description: 12x12 Brown With Brown and White
Location: Ground Floor Men's Restroom 056
Facility:

Percent Asbestos:
PC 3.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.6

Lab No.: 7164687
Client No.: 55-FT2-186
Analyst Observation: Tan Floor Tile
Client Description: 12x12 Brown With Brown and White
Location: Ground Floor Restroom Hall 057
Facility:

Percent Asbestos:
PC 0.25 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
99.75

Lab No.: 7164687(L2)
Client No.: 55-FT2-186
Analyst Observation: Black Mastic
Client Description: 12x12 Brown With Brown and White
Location: Ground Floor Restroom Hall 057
Facility:

Percent Asbestos:
PC 3.9 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.1

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Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164688
Client No.: 55-FT2-187

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Brown With Brown and White

Location: 3rd Mezzanine Room 323 M Paint Shop Office
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164688(L2)
Client No.: 55-FT2-187

Analyst Observation: Tan Mastic
Client Description: 12x12 Brown With Brown and White

Location: 3rd Mezzanine Room 323 M Paint Shop Office
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164689
Client No.: 56-FT2-188

Analyst Observation: White Floor Tile
Client Description: 12x12 Tan With Black

Location: Ground Floor Room 045 - SE Corner
Facility:

Percent Asbestos:
PC 1.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.9

Lab No.: 7164689(L2)
Client No.: 56-FT2-188

Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Black

Location: Ground Floor Room 045 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164690
Client No.: 56-FT2-189

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Black

Location: 4th Mezzanine Room 400 DM Storage Closet
Facility:

Percent Asbestos:
PC 1.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.5

Lab No.: 7164690(L2)
Client No.: 56-FT2-189

Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Black

Location: 4th Mezzanine Room 400 DM Storage Closet
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

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Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature: Becky Hargrove
Analyst: Rebecca Hargrove

Approved By: Frank Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164691
Client No.: 56-FT2-190

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Black

Location: 8th Mezzanine Room 801 BM - NE Corner Middle Layer
Facility:

Percent Asbestos:
PC 1.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.9

Lab No.: 7164691(L2)
Client No.: 56-FT2-190

Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Black

Location: 8th Mezzanine Room 801 BM - NE Corner Middle Layer
Facility:

Percent Asbestos:
PC 3.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.9

Lab No.: 7164691(L3)
Client No.: 56-FT2-190

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan With Black

Location: 8th Mezzanine Room 801 BM - NE Corner Middle Layer
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164692
Client No.: 57-FT2-191

Analyst Observation: Brown Floor Tile
Client Description: 12x12 Brown With Black Border

Location: 1st Floor Room 160 - SW Corner
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164692(L2)
Client No.: 57-FT2-191

Analyst Observation: Black Mastic
Client Description: 12x12 Brown With Black Border

Location: 1st Floor Room 160 - SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164692(L3)
Client No.: 57-FT2-191

Analyst Observation: Tan Mastic
Client Description: 12x12 Brown With Black Border

Location: 1st Floor Room 160 - SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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CERTIFICATE OF ANALYSIS

Client: Terracon
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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164693
Client No.: 57-FT2-192

Analyst Observation: Black Floor Tile
Client Description: 12x12 Brown With Black Border

Location: 1st Floor Room 160 - at Entry
Facility:

Percent Asbestos:
PC 6.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
93.7

Lab No.: 7164694
Client No.: 57-FT2-193

Analyst Observation: Black Floor Tile
Client Description: 12x12 Brown With Black Border

Location: 1st Floor Room 100 D - Storeroom at Door
Facility:

Percent Asbestos:
PC 4.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.5

Note: Insufficient mastic provided for analysis.

Lab No.: 7164694(L2)
Client No.: 57-FT2-193

Analyst Observation: Tan Mastic
Client Description: 12x12 Brown With Black Border

Location: 1st Floor Room 100 D - Storeroom at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164695
Client No.: 58-FT2-194

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164695(L2)
Client No.: 58-FT2-194

Analyst Observation: Black Mastic
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Synthetic

Percent Non-Fibrous Material:
90

Lab No.: 7164695(L3)
Client No.: 58-FT2-194

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Client: TER436

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164696
Client No.: 58-FT2-195

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164696(L2)
Client No.: 58-FT2-195

Analyst Observation: Black Mastic
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Synthetic

Percent Non-Fibrous Material:
90

Lab No.: 7164696(L3)
Client No.: 58-FT2-195

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164697
Client No.: 58-FT2-196

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164697(L2)
Client No.: 58-FT2-196

Analyst Observation: Black Mastic
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
5 Synthetic

Percent Non-Fibrous Material:
95

Lab No.: 7164697(L3)
Client No.: 58-FT2-196

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan Mottle With Black Inlay

Location: 1st Floor Room 185 - SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164698
Client No.: 59-FT2-197

Analyst Observation: Red/Orange Floor Tile
Client Description: 12x12 Multi Color

Location: 1st Floor Room 121 Storeroom by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164698(L2)
Client No.: 59-FT2-197

Analyst Observation: Tan Mastic
Client Description: 12x12 Multi Color

Location: 1st Floor Room 121 Storeroom by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164699
Client No.: 59-FT2-198

Analyst Observation: Red/Orange Floor Tile
Client Description: 12x12 Multi Color

Location: 1st Floor Room 121 Storeroom by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164699(L2)
Client No.: 59-FT2-198

Analyst Observation: Tan Mastic
Client Description: 12x12 Multi Color

Location: 1st Floor Room 121 Storeroom by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164700
Client No.: 59-FT2-199

Analyst Observation: Red/Orange Floor Tile
Client Description: 12x12 Multi Color

Location: 1st Floor Room 121 Storeroom by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164700(L2)
Client No.: 59-FT2-199

Analyst Observation: Tan Mastic
Client Description: 12x12 Multi Color

Location: 1st Floor Room 121 Storeroom by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164701
Client No.: 60-FT2-200

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Brown

Location: 2nd Floor 225 Hall - West End
Facility:

Percent Asbestos:
PC 3.7 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.3

Lab No.: 7164701(L2)
Client No.: 60-FT2-200

Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Brown

Location: 2nd Floor 225 Hall - West End
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164701(L3)
Client No.: 60-FT2-200

Analyst Observation: White/Yellow Mastic/Leveling Compound
Client Description: 12x12 Tan With Brown

Location: 2nd Floor 225 Hall - West End
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164702
Client No.: 60-FT2-201

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Brown

Location: 2nd Floor Room 229 A - Storage Closet
Facility:

Percent Asbestos:
PC 1.7 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.3

Lab No.: 7164702(L2)
Client No.: 60-FT2-201

Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Brown

Location: 2nd Floor Room 229 A - Storage Closet
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164703
Client No.: 60-FT2-202

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Brown

Location: 2nd Floor 229 - Hall at Room 243
Facility:

Percent Asbestos:
PC 1.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.6

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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164703(L2) **Analyst Observation:** Black Mastic **Location:** 2nd Floor 229 - Hall at Room 243
Client No.: 60-FT2-202 **Client Description:** 12x12 Tan With Brown **Facility:**

Percent Asbestos: ***PC 5.9*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 94.1

Lab No.: 7164704 **Analyst Observation:** Lt Brown Floor Tile **Location:** 2nd Floor Room 262 - NE Corner
Client No.: 61-FT2-203 **Client Description:** 12x12 Tan **Facility:**

Percent Asbestos: ***PC 1.3*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 98.7

Lab No.: 7164704(L2) **Analyst Observation:** Black Mastic **Location:** 2nd Floor Room 262 - NE Corner
Client No.: 61-FT2-203 **Client Description:** 12x12 Tan **Facility:**

Percent Asbestos: ***PC 8.7*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 91.3

Lab No.: 7164704(L3) **Analyst Observation:** Tan Mastic **Location:** 2nd Floor Room 262 - NE Corner
Client No.: 61-FT2-203 **Client Description:** 12x12 Tan **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164705 **Analyst Observation:** Lt Brown Floor Tile **Location:** 2nd Floor Room 262 - NE Corner
Client No.: 61-FT2-204 **Client Description:** 12x12 Tan **Facility:**

Percent Asbestos: ***PC 1.6*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 98.4

Lab No.: 7164705(L2) **Analyst Observation:** Black Mastic **Location:** 2nd Floor Room 262 - NE Corner
Client No.: 61-FT2-204 **Client Description:** 12x12 Tan **Facility:**

Percent Asbestos: ***PC 5.8*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 94.2

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Client: TER436

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164705(L3)
Client No.: 61-FT2-204

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan

Location: 2nd Floor Room 262 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164706
Client No.: 61-FT2-205

Analyst Observation: Lt Brown Floor Tile
Client Description: 12x12 Tan

Location: 2nd Floor Room 262 - NE Corner
Facility:

Percent Asbestos:
PC 2.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.6

Note: Insufficient mastic provided for analysis.

Lab No.: 7164706(L2)
Client No.: 61-FT2-205

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan

Location: 2nd Floor Room 262 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164707
Client No.: 62-FT2-206

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Grey Dents

Location: 4th Mezzanine Room 460 M - SW Corner
Facility:

Percent Asbestos:
PC 1.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.9

Lab No.: 7164707(L2)
Client No.: 62-FT2-206

Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Grey Dents

Location: 4th Mezzanine Room 460 M - SW Corner
Facility:

Percent Asbestos:
10 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
90

Lab No.: 7164708
Client No.: 62-FT2-207

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Grey Dents

Location: 6th Floor Room 680 - NE Corner
Facility:

Percent Asbestos:
PC Trace *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164708(L2)
Client No.: 62-FT2-207
Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Grey Dents
Location: 6th Floor Room 680 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164708(L3)
Client No.: 62-FT2-207
Analyst Observation: Tan Mastic
Client Description: 12x12 Tan With Grey Dents
Location: 6th Floor Room 680 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164709
Client No.: 62-FT2-208
Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan With Grey Dents
Location: 14th Floor Room 1420 - NE Observation Room
Facility:

Percent Asbestos:
PC 0.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
99.5

Lab No.: 7164709(L2)
Client No.: 62-FT2-208
Analyst Observation: Black Mastic
Client Description: 12x12 Tan With Grey Dents
Location: 14th Floor Room 1420 - NE Observation Room
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164710
Client No.: 63-FT2-209
Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan/Green/Brown
Location: 7th Floor 700 Main Lobby - at Door to East Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164710(L2)
Client No.: 63-FT2-209
Analyst Observation: Tan Mastic
Client Description: 12x12 Tan/Green/Brown
Location: 7th Floor 700 Main Lobby - at Door to East Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164711
Client No.: 63-FT2-210

Analyst Observation: Off-White Floor Tile
Client Description: 12x12 Tan/Green/Brown

Location: 7th Floor 700 Main Lobby - South Side Below Radiatior
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164711(L2)
Client No.: 63-FT2-210

Analyst Observation: Tan Mastic
Client Description: 12x12 Tan/Green/Brown

Location: 7th Floor 700 Main Lobby - South Side Below Radiatior
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164712
Client No.: 63-FT2-211
Analyst Observation: Green Floor Tile
Client Description: 12x12 Tan/Green/ Brown
Location: 7th Floor 700 Lobby - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164712(L2)
Client No.: 63-FT2-211
Analyst Observation: Yellow/Black Mastic
Client Description: 12x12 Tan/Green/ Brown
Location: 7th Floor 700 Lobby - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164713
Client No.: 64-FT2-212
Analyst Observation: White Floor Tile
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 - NE Corner
Facility:

Percent Asbestos:
PC 1.9 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.1

Lab No.: 7164713(L2)
Client No.: 64-FT2-212
Analyst Observation: Yellow Mastic
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164713(L3)
Client No.: 64-FT2-212
Analyst Observation: Black Mastic
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 - NE Corner
Facility:

Percent Asbestos:
PC 4.0 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96

Lab No.: 7164714
Client No.: 64-FT2-213
Analyst Observation: White Floor Tile
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 - SE Corner
Facility:

Percent Asbestos:
PC 1.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.5

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature: David Hayes
Analyst: David Hayes

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164714(L2)
Client No.: 64-FT2-213
Analyst Observation: Yellow Mastic
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164714(L3)
Client No.: 64-FT2-213
Analyst Observation: Black Mastic
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 - SE Corner
Facility:

Percent Asbestos:
PC 3.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.6

Lab No.: 7164715
Client No.: 64-FT2-214
Analyst Observation: White Floor Tile
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 SW Corner
Facility:

Percent Asbestos:
PC 1.7 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.3

Lab No.: 7164715(L2)
Client No.: 64-FT2-214
Analyst Observation: Yellow Mastic
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164715(L3)
Client No.: 64-FT2-214
Analyst Observation: Black Mastic
Client Description: 12x12 White With Black
Location: 7th Floor Room 717 SW Corner
Facility:

Percent Asbestos:
PC 3.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.9

Lab No.: 7164716
Client No.: 65-FT2-215
Analyst Observation: Brown/Red Floor Tile
Client Description: 12x12 Brown With Reddish Brown
Location: 7th Mezzanine 700 M Lobby - South End
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Client: TER436

Report Date: 3/12/2021
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Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164716(L2)
Client No.: 65-FT2-215

Analyst Observation: Brown Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 7th Mezzanine 700 M Lobby - South End
Facility:

Percent Asbestos:
PC 1.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.9

Lab No.: 7164717
Client No.: 65-FT2-216

Analyst Observation: Brown/Red Floor Tile
Client Description: 12x12 Brown With Reddish Brown

Location: 7th Mezzanine 720 M Entry - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164717(L2)
Client No.: 65-FT2-216

Analyst Observation: Brown Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 7th Mezzanine 720 M Entry - SE Corner
Facility:

Percent Asbestos:
PC 1.0 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
99

Lab No.: 7164717(L3)
Client No.: 65-FT2-216

Analyst Observation: Green Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 7th Mezzanine 720 M Entry - SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164718
Client No.: 65-FT2-217

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor 800 Lobby - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164718(L2)
Client No.: 65-FT2-217

Analyst Observation: Brown Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor 800 Lobby - South Side
Facility:

Percent Asbestos:
PC 1.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.8

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164719
Client No.: 65-FT2-218

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor East Courtroom Lobby
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164719(L2)
Client No.: 65-FT2-218

Analyst Observation: Brown Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor East Courtroom Lobby
Facility:

Percent Asbestos:
PC 1.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.7

Lab No.: 7164720
Client No.: 65-FT2-219

Analyst Observation: Tan Floor Tile
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor Courtroom 880- NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164720(L2)
Client No.: 65-FT2-219

Analyst Observation: Green/Tan Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor Courtroom 880- NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164720(L3)
Client No.: 65-FT2-219

Analyst Observation: Brown Mastic
Client Description: 12x12 Brown With Reddish Brown

Location: 8th Floor Courtroom 880- NE Corner
Facility:

Percent Asbestos:
PC 1.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.9

Lab No.: 7164721
Client No.: 66-FT2-220

Analyst Observation: Green Floor Tile
Client Description: 12x12 Green Border

Location: 7th Mezzanine 700 M Lobby - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164721(L2)
Client No.: 66-FT2-220

Analyst Observation: Brown Mastic
Client Description: 12x12 Green Border

Location: 7th Mezzanine 700 M Lobby - South Side
Facility:

Percent Asbestos:
PC 1.2 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.8

Lab No.: 7164722
Client No.: 66-FT2-221

Analyst Observation: Green Floor Tile
Client Description: 12x12 Green Border

Location: 8th Floor 800 Lobby - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164722(L2)
Client No.: 66-FT2-221

Analyst Observation: Brown Mastic
Client Description: 12x12 Green Border

Location: 8th Floor 800 Lobby - South Side
Facility:

Percent Asbestos:
PC 1.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.9

Lab No.: 7164723
Client No.: 66-FT2-222

Analyst Observation: Green Floor Tile
Client Description: 12x12 Green Border

Location: 8th Floor Courtroom 860- SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164723(L2)
Client No.: 66-FT2-222

Analyst Observation: Tan Mastic
Client Description: 12x12 Green Border

Location: 8th Floor Courtroom 860- SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164723(L3)
Client No.: 66-FT2-222

Analyst Observation: Brown Mastic
Client Description: 12x12 Green Border

Location: 8th Floor Courtroom 860- SE Corner
Facility:

Percent Asbestos:
PC 1.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.7

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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164724 **Client No.:** 67-FT2-223	**Analyst Observation:** Dk Brown Floor Tile **Client Description:** 12x12 Dark Brown	**Location:** 7th Floor North Stair - Upper Landing **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164724(L2) **Client No.:** 67-FT2-223	**Analyst Observation:** Clear/Yellow Mastic **Client Description:** 12x12 Dark Brown	**Location:** 7th Floor North Stair - Upper Landing **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164724(L3) **Client No.:** 67-FT2-223	**Analyst Observation:** Black Mastic/Fibrous **Client Description:** 12x12 Dark Brown	**Location:** 7th Floor North Stair - Upper Landing **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 55 Cellulose	Percent Non-Fibrous Material: 45
Lab No.: 7164725 **Client No.:** 67-FT2-224	**Analyst Observation:** Dk Brown Floor Tile **Client Description:** 12x12 Dark Brown	**Location:** 7th Mezzanine North Stair - Upper Landing **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164725(L2) **Client No.:** 67-FT2-224	**Analyst Observation:** Black Mastic/Fibrous **Client Description:** 12x12 Dark Brown	**Location:** 7th Mezzanine North Stair - Upper Landing **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 50 Cellulose	Percent Non-Fibrous Material: 50
Lab No.: 7164726 **Client No.:** 67-FT2-225	**Analyst Observation:** Dk Brown Floor Tile **Client Description:** 12x12 Dark Brown	**Location:** 8th Mezzanine North Stair - Upper Landing **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature: David Hayes
Analyst: David Hayes

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164726(L2)
Client No.: 67-FT2-225

Analyst Observation: Black Mastic/Fibrous
Client Description: 12x12 Dark Brown

Location: 8th Mezzanine North Stair - Upper Landing
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Cellulose

Percent Non-Fibrous Material:
55

Lab No.: 7164727
Client No.: 68-FT2-226

Analyst Observation: Tan/Lt Brown Floor Tile
Client Description: 12x12 Tan With Light Brown

Location: 8th Mezzanine 801 M NE Corner - Top Layer
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164728
Client No.: 68-FT2-227

Analyst Observation: Tan/Lt Brown Floor Tile
Client Description: 12x12 Tan With Light Brown

Location: 8th Mezzanine 801 M NE Corner - Top Layer
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164729
Client No.: 68-FT2-228

Analyst Observation: Tan/Lt Brown Floor Tile
Client Description: 12x12 Tan With Light Brown

Location: 8th Mezzanine 801 M NE Corner - Top Layer
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164730
Client No.: 69-FT2-229

Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey Rubberized

Location: 8th Floor Room 817 at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164730(L2)
Client No.: 69-FT2-229

Analyst Observation: Black Mastic
Client Description: 12x12 Grey Rubberized

Location: 8th Floor Room 817 at Door
Facility:

Percent Asbestos:
PC 1.6 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.4

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Client: Terracon
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Client: TER436

Report Date: 3/12/2021
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164731
Client No.: 69-FT2-230

Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey Rubberized

Location: 8th Floor Room 817 at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164731(L2)
Client No.: 69-FT2-230

Analyst Observation: Black Mastic
Client Description: 12x12 Grey Rubberized

Location: 8th Floor Room 817 at Door
Facility:

Percent Asbestos:
PC 1.9 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.1

Lab No.: 7164732
Client No.: 69-FT2-231

Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey Rubberized

Location: 8th Floor Room 817 at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164732(L2)
Client No.: 69-FT2-231

Analyst Observation: Black Mastic
Client Description: 12x12 Grey Rubberized

Location: 8th Floor Room 817 at Door
Facility:

Percent Asbestos:
PC 1.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.5

Lab No.: 7164733
Client No.: 70-FT2-232

Analyst Observation: Pink Floor Tile
Client Description: 12x12 Pink

Location: 9th Floor Room 997 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164733(L2)
Client No.: 70-FT2-232

Analyst Observation: Clear Mastic
Client Description: 12x12 Pink

Location: 9th Floor Room 997 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Client: TER436

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164734
Client No.: 70-FT2-233

Analyst Observation: Pink Floor Tile
Client Description: 12x12 Pink

Location: 9th Floor Room 997 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164734(L2)
Client No.: 70-FT2-233

Analyst Observation: Clear Mastic
Client Description: 12x12 Pink

Location: 9th Floor Room 997 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164735
Client No.: 70-FT2-234

Analyst Observation: Pink Floor Tile
Client Description: 12x12 Pink

Location: 9th Floor Room 997 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164735(L2)
Client No.: 70-FT2-234

Analyst Observation: Clear Mastic
Client Description: 12x12 Pink

Location: 9th Floor Room 997 - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164736
Client No.: 71-FT2-235

Analyst Observation: Grey/Pink Floor Tile
Client Description: 12x12 Tan Checker Board

Location: 10th Floor Room 1041 - South Side
Facility:

Percent Asbestos:
PC 4.8 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.2

Lab No.: 7164736(L2)
Client No.: 71-FT2-235

Analyst Observation: Brown Mastic
Client Description: 12x12 Tan Checker Board

Location: 10th Floor Room 1041 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164737
Client No.: 71-FT2-236

Analyst Observation: Grey/Pink Floor Tile
Client Description: 12x12 Tan Checker Board

Location: 10th Floor Room 1032 - by Sink
Facility:

Percent Asbestos:
PC 4.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
95.7

Lab No.: 7164737(L2)
Client No.: 71-FT2-236

Analyst Observation: Brown Mastic
Client Description: 12x12 Tan Checker Board

Location: 10th Floor Room 1032 - by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164738
Client No.: 71-FT2-237

Analyst Observation: Grey/Pink Floor Tile
Client Description: 12x12 Tan Checker Board

Location: 10th Floor Room 1032 - by Sink
Facility:

Percent Asbestos:
PC 5.1 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
94.9

Lab No.: 7164738(L2)
Client No.: 71-FT2-237

Analyst Observation: Brown Mastic
Client Description: 12x12 Tan Checker Board

Location: 10th Floor Room 1032 - by Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164739
Client No.: 72-FT2-238

Analyst Observation: Beige Floor Tile
Client Description: 12x12 Beige With Light Brown Streaks

Location: 4th Mezzanine Room 440 M - SW Corner
Facility:

Percent Asbestos:
PC 2.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
97.7

Lab No.: 7164739(L2)
Client No.: 72-FT2-238

Analyst Observation: Tan/Green Mastic
Client Description: 12x12 Beige With Light Brown Streaks

Location: 4th Mezzanine Room 440 M - SW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Analyst: David Hayes

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Laboratory Director

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164739(L3)
Client No.: 72-FT2-238

Analyst Observation: Black Mastic
Client Description: 12x12 Beige With Light Brown Streaks

Location: 4th Mezzanine Room 440 M - SW Corner
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 6.5 *Chrysotile*	None Detected	93.5

Note: Sample/Layer analyzed by Rebecca Hargrove, 3/16/21.

Lab No.: 7164740
Client No.: 72-FT2-239

Analyst Observation: Beige Floor Tile
Client Description: 12x12 Beige With Light Brown Streaks

Location: 11th Floor Room 1123 - Near Door
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 1.2 *Chrysotile*	None Detected	98.8

Lab No.: 7164740(L2)
Client No.: 72-FT2-239

Analyst Observation: Tan/Green Mastic
Client Description: 12x12 Beige With Light Brown Streaks

Location: 11th Floor Room 1123 - Near Door
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7164740(L3)
Client No.: 72-FT2-239

Analyst Observation: Black Mastic
Client Description: 12x12 Beige With Light Brown Streaks

Location: 11th Floor Room 1123 - Near Door
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7164741
Client No.: 72-FT2-240

Analyst Observation: Beige Floor Tile
Client Description: 12x12 Beige With Light Brown Streaks

Location: 11th Floor Room 1126 - Near Door
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 1.1 *Chrysotile*	None Detected	98.9

Lab No.: 7164741(L2)
Client No.: 72-FT2-240

Analyst Observation: Tan/Green Mastic
Client Description: 12x12 Beige With Light Brown Streaks

Location: 11th Floor Room 1126 - Near Door
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature: David Hayes
Analyst: David Hayes

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164741(L3)
Client No.: 72-FT2-240
Analyst Observation: Black Mastic
Client Description: 12x12 Beige With Light Brown Streaks
Location: 11th Floor Room 1126 - Near Door
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164742
Client No.: 73-FT2-241
Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey With Streaks
Location: 12th Floor 1240 Cell Block Hall - West End
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164742(L2)
Client No.: 73-FT2-241
Analyst Observation: Black Mastic
Client Description: 12x12 Grey With Streaks
Location: 12th Floor 1240 Cell Block Hall - West End
Facility:

Percent Asbestos: ***PC 7.5*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 92.5

Lab No.: 7164743
Client No.: 73-FT2-242
Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey With Streaks
Location: 12th Floor 1240 - SE Corner
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164743(L2)
Client No.: 73-FT2-242
Analyst Observation: Black Mastic
Client Description: 12x12 Grey With Streaks
Location: 12th Floor 1240 - SE Corner
Facility:

Percent Asbestos: ***PC 6.7*** *Chrysotile*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 93.3

Lab No.: 7164744
Client No.: 73-FT2-243
Analyst Observation: Grey Floor Tile
Client Description: 12x12 Grey With Streaks
Location: 12th Floor 1240 - NW Room
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

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Analyst: David Hayes

Approved By:
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Laboratory Director

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Mt. Laurel, New Jersey 08054
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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164744(L2)
Client No.: 73-FT2-243
Analyst Observation: Black Mastic
Client Description: 12x12 Grey With Streaks
Location: 12th Floor 1240 - NW Room
Facility:

Percent Asbestos:
PC 6.1 *Chrysotile*
Percent Non-Asbestos Fibrous Material:
None Detected
Percent Non-Fibrous Material:
93.9

Lab No.: 7164745
Client No.: 74-FT2-244
Analyst Observation: Lt Brown Floor Tile
Client Description: 12x12 Brown Mottle
Location: 15th Floor Room 1542 Storage Room - At West Door
Facility:

Percent Asbestos:
PC 1.3 *Chrysotile*
Percent Non-Asbestos Fibrous Material:
None Detected
Percent Non-Fibrous Material:
98.7

Lab No.: 7164745(L2)
Client No.: 74-FT2-244
Analyst Observation: Tan Mastic
Client Description: 12x12 Brown Mottle
Location: 15th Floor Room 1542 Storage Room - At West Door
Facility:

Percent Asbestos:
None Detected
Percent Non-Asbestos Fibrous Material:
None Detected
Percent Non-Fibrous Material:
100

Lab No.: 7164745(L3)
Client No.: 74-FT2-244
Analyst Observation: Black Mastic
Client Description: 12x12 Brown Mottle
Location: 15th Floor Room 1542 Storage Room - At West Door
Facility:

Percent Asbestos:
PC 4.9 *Chrysotile*
Percent Non-Asbestos Fibrous Material:
None Detected
Percent Non-Fibrous Material:
95.1

Lab No.: 7164746
Client No.: 74-FT2-245
Analyst Observation: Lt Brown Floor Tile
Client Description: 12x12 Brown Mottle
Location: 15th Floor Room 1521 - Restroom
Facility:

Percent Asbestos:
PC 1.6 *Chrysotile*
Percent Non-Asbestos Fibrous Material:
None Detected
Percent Non-Fibrous Material:
98.4

Lab No.: 7164746(L2)
Client No.: 74-FT2-245
Analyst Observation: Black Mastic
Client Description: 12x12 Brown Mottle
Location: 15th Floor Room 1521 - Restroom
Facility:

Percent Asbestos:
PC 5.8 *Chrysotile*
Percent Non-Asbestos Fibrous Material:
None Detected
Percent Non-Fibrous Material:
94.2

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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164747 **Client No.:** 74-FT2-246	**Analyst Observation:** Lt Brown Floor Tile **Client Description:** 12x12 Brown Mottle	**Location:** 15th Floor West Hall 1584 - Center **Facility:**
Percent Asbestos: ***PC 1.4*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 98.6
Lab No.: 7164747(L2) **Client No.:** 74-FT2-246	**Analyst Observation:** Black Mastic **Client Description:** 12x12 Brown Mottle	**Location:** 15th Floor West Hall 1584 - Center **Facility:**
Percent Asbestos: ***PC 5.1*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 94.9
Lab No.: 7164748 **Client No.:** 75-MG5-247	**Analyst Observation:** Black/Tan Mastic **Client Description:** Black Mastic on Concrete Floors Under Carpet	**Location:** 1st Floor Room 125 - West Center **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 1 Cellulose	Percent Non-Fibrous Material: 99
Lab No.: 7164749 **Client No.:** 75-MG5-248	**Analyst Observation:** Black/Tan Mastic **Client Description:** Black Mastic on Concrete Floors Under Carpet	**Location:** 3rd Floor Room 345 B - at Pipe Chase Door **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 1 Cellulose	Percent Non-Fibrous Material: 99
Lab No.: 7164750 **Client No.:** 75-MG5-249	**Analyst Observation:** Black/Green Mastic **Client Description:** Black Mastic on Concrete Floors Under Carpet	**Location:** 11th Floor Room 1120 Open Office - NE Corner **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 1 Cellulose	Percent Non-Fibrous Material: 99
Lab No.: 7164751 **Client No.:** 76-FC1-250	**Analyst Observation:** Brown Floor Tile **Client Description:** Brown Sheet Vinyl Flooring	**Location:** 4th Mezzanine Room 400 M - Elev. Lobby **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: 35 Cellulose	Percent Non-Fibrous Material: 65

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Analyst: David Hayes

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CERTIFICATE OF ANALYSIS

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Client: TER436

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164751(L2)
Client No.: 76-FC1-250

Analyst Observation: Grey Backing Material
Client Description: Brown Sheet Vinyl Flooring

Location: 4th Mezzanine Room 400 M - Elev. Lobby
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose
30 Synthetic

Percent Non-Fibrous Material:
30

Lab No.: 7164751(L3)
Client No.: 76-FC1-250

Analyst Observation: Tan Fibrous
Client Description: Brown Sheet Vinyl Flooring

Location: 4th Mezzanine Room 400 M - Elev. Lobby
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
90 Cellulose

Percent Non-Fibrous Material:
10

Lab No.: 7164752
Client No.: 76-FC1-251

Analyst Observation: Brown Floor Tile
Client Description: Brown Sheet Vinyl Flooring

Location: 9th Floor Room 924 - West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose

Percent Non-Fibrous Material:
65

Lab No.: 7164752(L2)
Client No.: 76-FC1-251

Analyst Observation: Tan Mastic
Client Description: Brown Sheet Vinyl Flooring

Location: 9th Floor Room 924 - West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164752(L3)
Client No.: 76-FC1-251

Analyst Observation: Tan Fibrous
Client Description: Brown Sheet Vinyl Flooring

Location: 9th Floor Room 924 - West Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
90 Cellulose

Percent Non-Fibrous Material:
10

Lab No.: 7164753
Client No.: 76-FC1-252

Analyst Observation: Brown Floor Tile
Client Description: Brown Sheet Vinyl Flooring

Location: 10th Floor Room 1085 - NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Cellulose

Percent Non-Fibrous Material:
55

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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164753(L2)
Client No.: 76-FC1-252

Analyst Observation: Tan Mastic
Client Description: Brown Sheet Vinyl Flooring

Location: 10th Floor Room 1085 - NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164753(L3)
Client No.: 76-FC1-252

Analyst Observation: Tan Fibrous
Client Description: Brown Sheet Vinyl Flooring

Location: 10th Floor Room 1085 - NW Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
90 Cellulose

Percent Non-Fibrous Material:
10

Please refer to the Appendix of this report for further information regarding your analysis.

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Analyst: David Hayes

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164754
Client No.: 77-FC1-253

Analyst Observation: Tan Floor Tile
Client Description: Tan With Brown and Black Linoleum

Location: 7th Floor Corridor 790 at Door to Room 721
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	10 Cellulose	90

Lab No.: 7164754(L2)
Client No.: 77-FC1-253

Analyst Observation: Tan Mastic
Client Description: Tan With Brown and Black Linoleum

Location: 7th Floor Corridor 790 at Door to Room 721
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7164755
Client No.: 77-FC1-254

Analyst Observation: Red Floor Tile
Client Description: Tan With Brown and Black Linoleum

Location: 9th Floor Lobby 900 - South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	15 Cellulose	85

Lab No.: 7164755(L2)
Client No.: 77-FC1-254

Analyst Observation: Tan Mastic
Client Description: Tan With Brown and Black Linoleum

Location: 9th Floor Lobby 900 - South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7164756
Client No.: 77-FC1-255

Analyst Observation: Red Floor Tile
Client Description: Tan With Brown and Black Linoleum

Location: 10th Floor Lobby 1000 - South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	15 Cellulose	85

Lab No.: 7164756(L2)
Client No.: 77-FC1-255

Analyst Observation: Brown Mastic
Client Description: Tan With Brown and Black Linoleum

Location: 10th Floor Lobby 1000 - South Center
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164757
Client No.: 78-FC1-256

Analyst Observation: Black Floor Tile
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor Room 1048 at Entry - Black
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	10 Cellulose	90

Lab No.: 7164757(L2)
Client No.: 78-FC1-256

Analyst Observation: Yellow Mastic
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor Room 1048 at Entry - Black
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7164758
Client No.: 78-FC1-257

Analyst Observation: Brown Floor Tile
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor 1040 Center Hall - SW - Grey
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	15 Cellulose	85

Lab No.: 7164758(L2)
Client No.: 78-FC1-257

Analyst Observation: Black Felt
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor 1040 Center Hall - SW - Grey
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	30 Cellulose	70

Lab No.: 7164759
Client No.: 78-FC1-258

Analyst Observation: Brown Floor Tile
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor 1024 Hall - East End - Orange
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	15 Cellulose	85

Lab No.: 7164759(L2)
Client No.: 78-FC1-258

Analyst Observation: Yellow Mastic
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor 1024 Hall - East End - Orange
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
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Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164759(L3)
Client No.: 78-FC1-258

Analyst Observation: Black Felt
Client Description: Brown/Grey/Orange Decorative Flooring

Location: 10th Floor 1024 Hall - East End - Orange
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose

Percent Non-Fibrous Material:
70

Lab No.: 7164760
Client No.: 79-FC5-259

Analyst Observation: Black/Tan Felt
Client Description: Tar Paper on Concrete Floor

Location: 2nd Floor Court Room 280 SE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
25 Cellulose
5 Hair

Percent Non-Fibrous Material:
70

Lab No.: 7164761
Client No.: 79-FC5-260

Analyst Observation: Tan Mastic
Client Description: Tar Paper on Concrete Floor

Location: 6th Floor Court Room 660 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164761(L2)
Client No.: 79-FC5-260

Analyst Observation: Black Felt
Client Description: Tar Paper on Concrete Floor

Location: 6th Floor Court Room 660 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
25 Cellulose
5 Hair

Percent Non-Fibrous Material:
70

Lab No.: 7164762
Client No.: 79-FC5-261

Analyst Observation: Black/Tan Felt
Client Description: Tar Paper on Concrete Floor

Location: 9th Floor Court Room 940 - NE Corner
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
25 Cellulose
5 Hair

Percent Non-Fibrous Material:
70

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
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Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
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CERTIFICATE OF ANALYSIS

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Client: TER436

Report Date: 3/12/2021
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164763
Client No.: 80-FC3-262

Analyst Observation: Tan Cove Base
Client Description: Various Colors

Location: 7th Floor 700 Lobby - SE Corner - Light Brown
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164763(L2)
Client No.: 80-FC3-262

Analyst Observation: Tan Mastic
Client Description: Various Colors

Location: 7th Floor 700 Lobby - SE Corner - Light Brown
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164764
Client No.: 80-FC3-263

Analyst Observation: Green Cove Base
Client Description: Various Colors

Location: 7th Mezzanine 700M Lobby at Division 31 Court Room Door - Green
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164764(L2)
Client No.: 80-FC3-263

Analyst Observation: Tan Mastic
Client Description: Various Colors

Location: 7th Mezzanine 700M Lobby at Division 31 Court Room Door - Green
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164765
Client No.: 80-FC3-264

Analyst Observation: Tan Cove Base
Client Description: Various Colors

Location: 8th Floor Court Room 860 - South Center - Tan
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164765(L2)
Client No.: 80-FC3-264

Analyst Observation: Tan Mastic
Client Description: Various Colors

Location: 8th Floor Court Room 860 - South Center - Tan
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

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Signature:
Analyst: Sarah Lipiecki

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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164766
Client No.: 80-FC3-265

Analyst Observation: Black Cove Base
Client Description: Various Colors

Location: 8th Mezzanine Room 814 M - Black
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164766(L2)
Client No.: 80-FC3-265

Analyst Observation: Tan Mastic
Client Description: Various Colors

Location: 8th Mezzanine Room 814 M - Black
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164767
Client No.: 81-FC3-266

Analyst Observation: Brown Cove Base
Client Description: 4" Brown

Location: 9th Floor Room 902 at Entry
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164767(L2)
Client No.: 81-FC3-266

Analyst Observation: Brown Mastic
Client Description: 4" Brown

Location: 9th Floor Room 902 at Entry
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164768
Client No.: 81-FC3-267

Analyst Observation: Brown Cove Base
Client Description: 4" Brown

Location: 15th Floor Room 1523 SW Corner at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164768(L2)
Client No.: 81-FC3-267

Analyst Observation: Brown Mastic
Client Description: 4" Brown

Location: 15th Floor Room 1523 SW Corner at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164769
Client No.: 81-FC3-268
Analyst Observation: Brown Cove Base
Client Description: 4" Brown
Location: 15th Floor Room 1588 at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164769(L2)
Client No.: 81-FC3-268
Analyst Observation: Brown Mastic
Client Description: 4" Brown
Location: 15th Floor Room 1588 at Door
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164770
Client No.: 82-FC3-269
Analyst Observation: Black Cove Base
Client Description: 3" Brown
Location: 12th Floor 1240 - Center Cell Block Hall - West
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164770(L2)
Client No.: 82-FC3-269
Analyst Observation: Brown Mastic
Client Description: 3" Brown
Location: 12th Floor 1240 - Center Cell Block Hall - West
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164770(L3)
Client No.: 82-FC3-269
Analyst Observation: Black Mastic
Client Description: 3" Brown
Location: 12th Floor 1240 - Center Cell Block Hall - West
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164771
Client No.: 82-FC3-270
Analyst Observation: Black Cove Base
Client Description: 3" Brown
Location: 12th Floor 1240 - Center Cell Block Hall - Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164771(L2)
Client No.: 82-FC3-270
Analyst Observation: Brown Mastic
Client Description: 3" Brown
Location: 12th Floor 1240 - Center Cell Block Hall - Center
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164772
Client No.: 82-FC3-271
Analyst Observation: Black Cove Base
Client Description: 3" Brown
Location: 12th Floor 1240 - South Hall - West End
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164772(L2)
Client No.: 82-FC3-271
Analyst Observation: Brown Mastic
Client Description: 3" Brown
Location: 12th Floor 1240 - South Hall - West End
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164773
Client No.: 83-FC3-272
Analyst Observation: Black Cove Base
Client Description: 4" Black
Location: 12 Floor 1240 - Cell Block West Hall - Near Center
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164773(L2)
Client No.: 83-FC3-272
Analyst Observation: Brown Mastic
Client Description: 4" Black
Location: 12 Floor 1240 - Cell Block West Hall - Near Center
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164773(L3)
Client No.: 83-FC3-272
Analyst Observation: Black Mastic
Client Description: 4" Black
Location: 12 Floor 1240 - Cell Block West Hall - Near Center
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
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Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164774
Client No.: 83-FC3-273

Analyst Observation: Black Cove Base
Client Description: 4" Black

Location: 12 Floor 1240 - Cell Block West Hall - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164774(L2)
Client No.: 83-FC3-273

Analyst Observation: Brown Mastic
Client Description: 4" Black

Location: 12 Floor 1240 - Cell Block West Hall - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164774(L3)
Client No.: 83-FC3-273

Analyst Observation: Black Mastic
Client Description: 4" Black

Location: 12 Floor 1240 - Cell Block West Hall - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Sarah Lipiecki

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: TER436

Report Date: 3/12/2021
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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164775
Client No.: 83-FC3-274

Analyst Observation: Black Terrazzo
Client Description: 4" Black

Location: 1st Floor 1240 Cell Block West Hall - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164775(L2)
Client No.: 83-FC3-274

Analyst Observation: Brown Mastic
Client Description: 4" Black

Location: 1st Floor 1240 Cell Block West Hall - Near Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164776
Client No.: 84-FC5-275

Analyst Observation: Tan/Grey Terrazzo
Client Description: Old Terrazzo Flooring

Location: 3rd Floor Lobby 300 at East Stair
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164777
Client No.: 84-FC5-276

Analyst Observation: Grey Terrazzo
Client Description: Old Terrazzo Flooring

Location: 11th Floor Room 1160 West Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164777(L2)
Client No.: 84-FC5-276

Analyst Observation: Green Glue
Client Description: Old Terrazzo Flooring

Location: 11th Floor Room 1160 West Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164778
Client No.: 84-FC5-277

Analyst Observation: Off-White/White Terrazzo
Client Description: Old Terrazzo Flooring

Location: 14th Floor 1440 Infirmary - East Center
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164779
Client No.: 85-FC5-278

Analyst Observation: Grey Terrazzo
Client Description: New Terrazzo Flooring

Location: 4th Floor Lobby 400 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164779(L2)
Client No.: 85-FC5-278

Analyst Observation: Lt Tan Mastic
Client Description: New Terrazzo Flooring

Location: 4th Floor Lobby 400 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164780
Client No.: 85-FC5-279

Analyst Observation: Grey Terrazzo
Client Description: New Terrazzo Flooring

Location: 5th Floor Lobby 500 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164781
Client No.: 85-FC5-280

Analyst Observation: Grey Terrazzo
Client Description: New Terrazzo Flooring

Location: 6th Floor Lobby 600 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164782
Client No.: 86-MS5-281

Analyst Observation: White Terrazzo
Client Description: Terrazzo Shower Basin

Location: 12th Floor - SE Cell Block Shower
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164783
Client No.: 86-MS5-282

Analyst Observation: White Terrazzo
Client Description: Terrazzo Shower Basin

Location: 13th Floor - NE Cell Block Shower
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Ellen Smith

Approved By:
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Laboratory Director

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
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Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164784 **Client No.:** 86-MS5-283 Percent Asbestos: *None Detected*	**Analyst Observation:** White Terrazzo **Client Description:** Terrazzo Shower Basin Percent Non-Asbestos Fibrous Material: None Detected	**Location:** 14th Floor - NE Cell Block Shower **Facility:** Percent Non-Fibrous Material: 100
Lab No.: 7164785 **Client No.:** 87-MS5-284 Percent Asbestos: *None Detected*	**Analyst Observation:** White Ceramic **Client Description:** 4" White Ceramic Wall Tile With Grout and Mortar Percent Non-Asbestos Fibrous Material: None Detected	**Location:** 12th Floor - SE Cell Block Shower **Facility:** Percent Non-Fibrous Material: 100
Lab No.: 7164785(L2) **Client No.:** 87-MS5-284 Percent Asbestos: *None Detected*	**Analyst Observation:** Grey Grout **Client Description:** 4" White Ceramic Wall Tile With Grout and Mortar Percent Non-Asbestos Fibrous Material: None Detected	**Location:** 12th Floor - SE Cell Block Shower **Facility:** Percent Non-Fibrous Material: 100
Lab No.: 7164785(L3) **Client No.:** 87-MS5-284 Percent Asbestos: *None Detected*	**Analyst Observation:** White Mortar **Client Description:** 4" White Ceramic Wall Tile With Grout and Mortar Percent Non-Asbestos Fibrous Material: None Detected	**Location:** 12th Floor - SE Cell Block Shower **Facility:** Percent Non-Fibrous Material: 100
Lab No.: 7164786 **Client No.:** 87-MA5-285 Percent Asbestos: *None Detected*	**Analyst Observation:** White Ceramic **Client Description:** 4" White Ceramic Wall Tile With Grout and Mortar Percent Non-Asbestos Fibrous Material: None Detected	**Location:** 13th Floor - NE Cell Block Shower **Facility:** Percent Non-Fibrous Material: 100
Lab No.: 7164786(L2) **Client No.:** 87-MA5-285 Percent Asbestos: *None Detected*	**Analyst Observation:** Grey Grout **Client Description:** 4" White Ceramic Wall Tile With Grout and Mortar Percent Non-Asbestos Fibrous Material: None Detected	**Location:** 13th Floor - NE Cell Block Shower **Facility:** Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164786(L3)
Client No.: 87-MA5-285
Analyst Observation: White Mortar
Client Description: 4" White Ceramic Wall Tile With Grout and Mortar
Location: 13th Floor - NE Cell Block Shower
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164787
Client No.: 87-MA5-286
Analyst Observation: White Ceramic
Client Description: 4" White Ceramic Wall Tile With Grout and Mortar
Location: 13th Floor - SE Cell Block Shower
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164787(L2)
Client No.: 87-MA5-286
Analyst Observation: Grey Grout
Client Description: 4" White Ceramic Wall Tile With Grout and Mortar
Location: 13th Floor - SE Cell Block Shower
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164787(L3)
Client No.: 87-MA5-286
Analyst Observation: White Mortar
Client Description: 4" White Ceramic Wall Tile With Grout and Mortar
Location: 13th Floor - SE Cell Block Shower
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164788
Client No.: 88-SC2-287
Analyst Observation: Black Tar
Client Description: Tar Coating on Brick Walls
Location: 6th Floor 600 D Closet by Window
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7164789
Client No.: 88-SC2-288
Analyst Observation: Black Tar
Client Description: Tar Coating on Brick Walls
Location: 10th Mezzanine Attic Space - South Side
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
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CERTIFICATE OF ANALYSIS

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Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
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Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164790
Client No.: 88-SC2-289

Analyst Observation: Black Tar
Client Description: Tar Coating on Brick Walls

Location: 14th Floor NW Corner Perimeter Wall
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7164791
Client No.: 89-MS5-290

Analyst Observation: Beige Fiberboard
Client Description: Radiator Insulation Board

Location: 6th Floor Lobby 600 -South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Percent Non-Fibrous Material:
None Detected

Lab No.: 7164792
Client No.: 89-MS5-291

Analyst Observation: Beige Fiberboard
Client Description: Radiator Insulation Board

Location: 9th Floor Lobby 900 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Percent Non-Fibrous Material:
None Detected

Lab No.: 7164793
Client No.: 89-MS5-292

Analyst Observation: Beige Fiberboard
Client Description: Radiator Insulation Board

Location: 10th Floor Lobby 10000 - South Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Percent Non-Fibrous Material:
None Detected

Lab No.: 7164794
Client No.: 90-SC6-293

Analyst Observation: Black Sink Undercoating
Client Description: Black

Location: 8th Floor Room 826 Sink
Facility:

Percent Asbestos:
PC 1.4 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.6

Lab No.: 7164795
Client No.: 90-SC6-294

Analyst Observation: Black Sink Undercoating
Client Description: Black

Location: 14th Floor Room 1440 - Sink
Facility:

Percent Asbestos:
PC 1.3 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
98.7

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Terracon
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Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164796
Client No.: 90-SC6-295

Analyst Observation: Black Sink Undercoating
Client Description: Black

Location: 14th Floor Room 1440 Sink
Facility:

Percent Asbestos:
PC 0.5 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
99.5

Lab No.: 7164797
Client No.: 91-SC6-296

Analyst Observation: White Sink Undercoating
Client Description: Off-White

Location: 8th Mezzanine Room 817 M Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose

Percent Non-Fibrous Material:
90

Lab No.: 7164798
Client No.: 91-SC6-297

Analyst Observation: Off-White Sink Undercoating
Client Description: Off-White

Location: 10th Floor Room 1032 Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose

Percent Non-Fibrous Material:
90

Lab No.: 7164799
Client No.: 91-SC6-298

Analyst Observation: White Sink Undercoating
Client Description: Off-White

Location: 11th Floor Room 1161 Sink
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7164800
Client No.: 92-WP1-299

Analyst Observation: Black Woven Material
Client Description: Canvas

Location: 15th Floor Mechanical Room 1560 - North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Synthetic

Percent Non-Fibrous Material:
1

Lab No.: 7164801
Client No.: 92-WP1-300

Analyst Observation: Black Woven Material
Client Description: Canvas

Location: 15th Floor Mechanical Room 1560 - North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Synthetic

Percent Non-Fibrous Material:
1

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Jeffrey Fazzo

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164802
Client No.: 92-WP1-301

Analyst Observation: Black Woven Material
Client Description: Canvas

Location: 15th Floor Mechanical Room 1560 - North Side
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
99 Synthetic

Percent Non-Fibrous Material:
1

Lab No.: 7164803
Client No.: 93-WP1-302

Analyst Observation: White Insulation
Client Description: Silver/White

Location: 4th Floor Room 415 - Above Ceiling on Duct
Facility:

Percent Asbestos:
80 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
15 Cellulose

Percent Non-Fibrous Material:
5

Lab No.: 7164804
Client No.: 93-WP1-303

Analyst Observation: White Insulation
Client Description: Silver/White

Location: 4th Mezzanine Room 461 M
Facility:

Percent Asbestos:
80 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
15 Cellulose

Percent Non-Fibrous Material:
5

Lab No.: 7164805
Client No.: 94-CP1-304

Analyst Observation: Grey Panel
Client Description: Corrugated

Location: 12th Floor Room 1200 Ceiling
Facility:

Percent Asbestos:
15 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
85

Lab No.: 7164806
Client No.: 95-CP5-305

Analyst Observation: Grey Panel
Client Description: Electric Panel Insulator

Location: 14th Floor Mechanical Room1560 - North Side
Facility:

Percent Asbestos:
15 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
85

Lab No.: 7164807
Client No.: 96-FD1-306

Analyst Observation: White Insulation
Client Description:

Location: 12th Floor Room 1200 - North Door
Facility:

Percent Asbestos:
80 *Chrysotile*

Percent Non-Asbestos Fibrous Material:
10 Cellulose

Percent Non-Fibrous Material:
10

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Jeffrey Fazzo

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164808 **Client No.:** 97-CA3-307	**Analyst Observation:** White Caulk **Client Description:** Concrete Block Wall Caulk	**Location:** 14th Floor at Entrance to NE Cell Block **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164809 **Client No.:** 97-CA3-308	**Analyst Observation:** Grey Caulk **Client Description:** Concrete Block Wall Caulk	**Location:** 15th Floor Corridor 1520 - East End **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164809(L2) **Client No.:** 97-CA3-308	**Analyst Observation:** White Caulk **Client Description:** Concrete Block Wall Caulk	**Location:** 15th Floor Corridor 1520 - East End **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164810 **Client No.:** 97-CA3-309	**Analyst Observation:** Grey Caulk **Client Description:**	**Location:** 15th Floor Room 1588 at Door **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164810(L2) **Client No.:** 97-CA3-309	**Analyst Observation:** White Caulk **Client Description:**	**Location:** 15th Floor Room 1588 at Door **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164811 **Client No.:** 98-SC1-310	**Analyst Observation:** Tan Glazing **Client Description:**	**Location:** Basement Boiler Room B 127 - South Side **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Jeffrey Fazzo

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164812 **Client No.:** 98-SC1-311	**Analyst Observation:** Tan Glazing **Client Description:**	**Location:** Basement Boiler Room B 127 - South Side **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164813 **Client No.:** 98-SC1-312	**Analyst Observation:** Tan Glazing **Client Description:**	**Location:** Basement Boiler Room B 127 - South Side **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164814 **Client No.:** 99-CA1-313	**Analyst Observation:** Black Caulk **Client Description:** Black	**Location:** Exterior SW Window of 045 - Top Layer **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164815 **Client No.:** 99-CA1-314	**Analyst Observation:** Black Caulk **Client Description:** Black	**Location:** Exterior East Side of 024 **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164816 **Client No.:** 99-CA1-315	**Analyst Observation:** Black Caulk **Client Description:** Black	**Location:** Exterior West Side of 066 **Facility:**
Percent Asbestos: *None Detected*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7164817 **Client No.:** 100-CA1-316	**Analyst Observation:** Tan Glazing **Client Description:**	**Location:** Exterior - SW Window of 045 - Bottom Layer **Facility:**
Percent Asbestos: ***PC 1.8*** *Chrysotile*	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 98.2

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Jeffrey Fazzo

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7164818
Client No.: 100-CA1-317

Analyst Observation: Tan Glazing
Client Description:

Location: Exterior - East Side of 024 - Bottom Layer
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 1.5 *Chrysotile*	None Detected	98.5

Lab No.: 7164819
Client No.: 100-CA1-318

Analyst Observation: Tan Glazing
Client Description:

Location: Exterior - West Side of 066 - Bottom Layer
Facility:

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
PC 1.4 *Chrysotile*	None Detected	98.6

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 3/3/2021
Date Analyzed: 03/12/2021
Signature:
Analyst: Jeffrey Fazzo

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Terracon	Report Date:	3/12/2021
	15620 W 113th Street	Report No.:	630657 - PLM
	Lenexa KS 66219	Project:	Jackson County Courthouse Kansas City MO
		Project No.:	02207156
Client:	TER436		

Appendix to Analytical Report

Customer Contact:
Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, and USEPA 600, R93-116 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Bulk Building Materials
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Terracon	Report Date:	3/12/2021
	15620 W 113th Street	Report No.:	630657 - PLM
	Lenexa KS 66219	Project:	Jackson County Courthouse Kansas City MO
		Project No.:	02207156
Client:	TER436		

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com**.

1) Note: No mastic provided for analysis.
2) Note: Insufficient mastic provided for analysis.
3) Note: Insufficient material provided for analysis.
4) Note: Insufficient sample provided for QC reanalysis.
5) Note: Different material than indicated on Sample Log / Description.
6) Note: Sample not submitted.
7) Note: Attached to asbestos containing material.
8) Note: Received wet.
9) Note: Possible surface contamination.
10) Note: Not building material. 1% threshold may not apply.
11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
12) Note: Asbestos detected but not quantifiable.
13) Note: Multiple identical samples submitted, only one analyzed.
14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites).Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: “ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite.”

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1)**Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Terracon
15620 W 113th Street
Lenexa KS 66219

Client: TER436

Report Date: 3/12/2021
Report No.: 630657 - PLM
Project: Jackson County Courthouse Kansas City MO
Project No.: 02207156

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.
*With advance notice and confirmation by the laboratory.
**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

Chain of Custody / Sample Log
Bulk Asbestos

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkw
Suite
Mt. Laurel, NJ 080
Toll Free: 877 428-42
info@iatl.cc
www.iatl.co

Client: Terracon Consultants, Inc. (Terracon)
15620 West 113th St.
Lenexa, Kansas 66219

Project Name: Jackson County Courthouse
Project No.: Kansas City, Missouri
02207156

Office Phone: 913-492-7777
Cell Phone: 785-760-1658
FAX / Email 1: tim.easley@terracon.com

Contact 1: Timothy Easley
Contact 2:
FAX / Email 2 913-492-7443

Special Instructions: Please email results to teeasley@terracon.com

Matrix:

- [ ] Air
- [ ] Water
- [ ] Soil
- [ ] Paint
- [x] Bulk
- [ ] Surface Dust / Wipe
- [ ] Other

Analysis Method:

- [x] PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116

- [ ] PLM : Point Counting
  - [ ] PC : via ELAP 198.1
  - [ ] PC : 400 Points
  - [ ] PC : 800 Points *
  - [ ] PC : other ____ Points *

- [ ] PLM : Gravimetric Reduction
  - [ ] PLM : NOB via 198.6
  - [ ] PLM : Friable via EPA 600 2.3
  - [ ] If <1% by PLM, to TEM via 198.4 *
  - [ ] If <1% by PLM, Hold for Instructions

- [ ] PLM : Analyze Until Positive (Positive Stop)
  - [ ] AUP : by Homogenous Area as Noted
  - [ ] AUP : by Material Type as Noted

- [ ] PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
  - [ ] Soil or Vermiculite Analysis *, **

- [x] PLM: Instructions for Multi-Layered Samples
  - [x] Analyze and Report All Separable Layers per EPA 600
  - [x] Report Composite for Drywall Systems per NESHAP
  - [ ] Report All Layers and Composite Where Applicable
  - [ ] Only Analyze and Report Specifically Noted Layer

* Additional charge and turnaround may be required. ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

Turnaround Time:

Preliminary Results Requested By... _____ ☐ Verbals ☐ FAX ☒ Email
date / time

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day*
- [ ] 12 Hour**
- [ ] 6 Hour**
- [ ] RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:

Client #(s): 01 (start) - 318 (end) iATL#(s): _____ (start) - _____ (end) Total: _____

Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

Chain of Custody:

Relinquished (Name / Organization):	CTeal	Date: 3-2-21	Time: 5:00p
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Sample Prep (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date: 3/9/21	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway
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Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Chain of Custody / Sample Log
Bulk Asbestos

Client: Terracon Consultants, Inc. (Terracon)
15620 West 113th St.
Lenexa, Kansas 66219

Project Name: Jackson County Courthouse
Project No.: Kansas City, Missouri
02207156

Office Phone: 913-492-7777
Cell Phone: 785-760-1658
FAX / Email 1: tim.easley@terracon.com

Contact 1: Timothy Easley
Contact 2:
FAX / Email 2 913-492-7443

Special Instructions: Please email results to teeasley@terracon.com

Matrix:

- [ ] Air
- [ ] Water
- [ ] Soil
- [ ] Paint
- [x] Bulk
- [ ] Surface Dust / Wipe
- [ ] Other _____

Analysis Method:

- [x] PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116

- [ ] PLM : Point Counting
  - [ ] PC : via ELAP 198.1
  - [ ] PC : 400 Points
  - [ ] PC : 800 Points *
  - [ ] PC : other _____ Points *

- [ ] PLM : Gravimetric Reduction
  - [ ] PLM : NOB via 198.6
  - [ ] PLM : Friable via EPA 600 2.3
  - [ ] If <1% by PLM, to TEM via 198.4 *
  - [ ] If <1% by PLM, Hold for Instructions

- [ ] PLM : Analyze Until Positive (Positive Stop)
  - [ ] AUP : by Homogenous Area as Noted
  - [ ] AUP : by Material Type as Noted

- [ ] PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
  - [ ] Soil or Vermiculite Analysis *, **

- [x] PLM: Instructions for Multi-Layered Samples
  - [x] Analyze and Report All Separable Layers per EPA 600
  - [x] Report Composite for Drywall Systems per NESHAP
  - [ ] Report All Layers and Composite Where Applicable
  - [ ] Only Analyze and Report Specifically Noted Layer

* Additional charge and turnaround may be required. ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

Turnaround Time:

Preliminary Results Requested By... _____ (date / time) ☐ Verbals ☐ FAX ☒ Email

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day*
- [ ] 12 Hour**
- [ ] 6 Hour**
- [ ] RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:

Client #(s): 01 (start) - 318 (end) iATL#(s): _____ (start) - _____ (end) Total: _____

Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

Chain of Custody:

Relinquished (Name / Organization):	otal	Date: 3-2-21	Time: 5:00p
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Sample Prep (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date: 3-10-21	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:

Chain of Custody / Sample Log
Bulk Asbestos

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkwa
Suite I
Mt. Laurel, NJ 0805
Toll Free: 877 428-428
info@iatl.con
www.iatl.com

Client: Terracon Consultants, Inc. (Terracon)
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Office Phone: 913-492-7777
Cell Phone: 785-760-1658
FAX / Email 1: tim.easley@terracon.com

Contact 1: Timothy Easley
Contact 2:
FAX / Email 2 913-492-7443

Special Instructions: Please email results to teeasley@terracon.com

Matrix:

- [ ] Air
- [ ] Water
- [ ] Soil
- [ ] Paint
- [x] Bulk
- [ ] Surface Dust / Wipe
- [ ] Other _____

Analysis Method:

- [x] PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116

- [ ] PLM : Point Counting
  - [ ] PC : via ELAP 198.1
  - [ ] PC : 400 Points
  - [ ] PC : 800 Points *
  - [ ] PC : other ____ Points *
- [ ] PLM : Gravimetric Reduction
  - [ ] PLM : NOB via 198.6
  - [ ] PLM : Friable via EPA 600 2.3
  - [ ] If <1% by PLM, to TEM via 198.4 *
  - [ ] If <1% by PLM, Hold for Instructions
- [ ] PLM : Analyze Until Positive (Positive Stop)
  - [ ] AUP : by Homogenous Area as Noted
  - [ ] AUP : by Material Type as Noted
- [ ] PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
  - [ ] Soil or Vermiculite Analysis *, **
- [x] PLM: Instructions for Multi-Layered Samples
  - [x] Analyze and Report All Separable Layers per EPA 600
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  - [ ] Only Analyze and Report Specifically Noted Layer

* Additional charge and turnaround may be required. ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

Turnaround Time:

Preliminary Results Requested By... _____ ☐ Verbals ☐ FAX ☑ Email
date / time

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day*
- [ ] 12 Hour**
- [ ] 6 Hour**
- [ ] RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:

Client #(s): 01 (start) - 318 (end) iATL#(s): _____ (start) - _____ (end) Total: _____

Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

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Sample Login (Name / iATL):		Date: Time:
Sample Prep (Name / iATL):		Date: Time:
Analysis(Name(s) / iATL):		Date: 3/10/21 Time:
QA/QC Review (Name / iATL):		Date: Time:
Archived / Released:	QA/QC InterLAB Use:	Date: Time:

9000 Commerce Parkwa
Suite
Mt. Laurel, NJ 0805
Toll Free: 877 428-428
info@iatl.con
www.iatl.com

Chain of Custody / Sample Log
Bulk Asbestos

Client: Terracon Consultants, Inc. (Terracon)
15620 West 113th St.
Lenexa, Kansas 66219

Project Name: Jackson County Courthouse
Project No.: Kansas City, Missouri
02207156

Office Phone: 913-492-7777
Cell Phone: 785-760-1658
FAX / Email 1: tim.easley@terracon.com

Contact 1: Timothy Easley
Contact 2:
FAX / Email 2 913-492-7443

Special Instructions: Please email results to teeasley@terracon.com

Matrix:

- ☐ Air
- ☐ Water
- ☐ Soil
- ☐ Paint
- ☒ Bulk
- ☐ Surface Dust / Wipe
- ☐ Other _____

Analysis Method:

☒ PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116

☐ PLM : Point Counting
- ☐ PC : via ELAP 198.1
- ☐ PC : 400 Points
- ☐ PC : 800 Points *
- ☐ PC : other ____ Points *

☐ PLM : Gravimetric Reduction
- ☐ PLM : NOB via 198.6
- ☐ PLM : Friable via EPA 600 2.3
- ☐ If <1% by PLM, to TEM via 198.4 *
- ☐ If <1% by PLM, Hold for Instructions

☐ PLM : Analyze Until Positive (Positive Stop)
- ☐ AUP : by Homogenous Area as Noted
- ☐ AUP : by Material Type as Noted

☐ PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
- ☐ Soil or Vermiculite Analysis *, **

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- ☒ Report Composite for Drywall Systems per NESHAP
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Preliminary Results Requested By... _____ (date / time) ☐ Verbals ☐ FAX ☒ Email

☐ 10 Day ☒ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

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Chain of Custody / Sample Log
Bulk Asbestos

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Chain of Custody / Sample Log
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Analysis(Name(s) / iATL):	David Kruger	Date: 3/12/21	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:

Chain of Custody / Sample Log
Bulk Asbestos

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QA/QC Review (Name / iATL):		Date:	Time:
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Chain of Custody / Sample Log
Bulk Asbestos

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Asbestos Sample Location Log

Project # - 02207156
Building - Jackson County Courthouse, KCMO
Inspector(s) - Tim Easley
Signature - [signature]

Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
01 - PIS - 01	mineral wool pipe	1st Mezzanine room 141M south center	2-26-21
- - 02	insulation	2nd floor room 279 NE pipe chase	
- - 03		3rd mezzanine carpenter shop 320M east side	
- - 04		10th Mezzanine Attic space SE corner	
- - 05		14th floor west stairwell S1402	
02 - MJS - 06	mudded fittings and	2nd floor room 279 NE pipechase	
- - 07	seams with mineral	3rd Mezzanine carpentershop 320M east side	
- - 08	wool pipe insulation	10th mezzanine attic space SE corner	
- - 09		10th Mezzanine attic - east center mudded seam	
- - 10		14th floor west stairwell S1402	
03 - PIS - 11	mineral wool pipe insulation	3rd mezzanine 326M storeroom	
- - 12	with tarpaper wrap	340M south center	
- - 13		380M NW corner	
04 - MJS - 14	mudded fittings with	3rd Mezzanine 326M storeroom	
- - 15	mineral wool pipe insulation	340M south center	
- - 16	w tarpaper wrap	380M NW corner	
05 - PI1 - 17		5th floor room 512 west side	
- - 18		7th floor courtroom 725 in south wall	
- - 19		7th mezzanine courtroom 780M in north wall	
06 - MJ1 - 20		5th floor room 512 west side	
- - 21		7th mezzanine room 763M sw corner in wall	

DONE

Asbestos Sample Location Log

Project # - 02207156
Building - Jackson County Courthouse, KCMO
Inspector(s) - Tim Easley
Signature - TEasley

Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
06 - MJ1 - 22		7th mezzanine courtroom 780M in north wall	2-26-21
07 - PI2 - 23		3rd floor room 300D sw corner	
" - " - 24		5th floor room 500D sw corner	
" - " - 25		10th mezzanine attic space SE corner	
08 - PI3 - 26		5th floor 500E pipe closet	
" - " - 27		9th floor room 966 AHU room sw corner	
" - " - 28		10th mezzanine attic space south side	
09 - MJ3 - 29		5th floor 500E pipe closet	
" - " - 30		7th Mezzanine 784M AHU room	
" - " - 31		10th mezzanine attic space south side	
10 - MJ4 - 32		6th mezzanine rm. 617M sw corner	
" - " - 33		10th mezzanine attic space SE corner	
" - " - 34		13th floor - NE corner wall space behind cell block	
11 - FP1 - 35		14th floor NE corner	
" - " - 36		NE cell block east center	
" - " - 37		NW corner	
" - " - 38		NW cell block SE corner	
" - " - 39		SE corner	
" - " - 40		SE cell block hall - sw corner	
" - " - 41		Sw corner	
12 - PL2 - 42		2nd floor hall at room 245	

Asbestos Sample Location Log

Project # - 022207156
uilding - Jackson County Courthouse KCMO
Inspector(s) - Tim Easley
Signature - [signature]

Page_____ of_____

Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
12 - PL2 - 43		2nd floor hall at room 245	2-26-21
" - " - 44			
13 - PL2 - 45		2nd floor room 279 north side	
" - " - 46		west side	
" - " - 47		south side	
14 - PL2 - 48	plaster on drywall ceiling and wall	4th floor courtroom 460 NW corner	
" - " - 49			
" - " - 50		4th mezzanine AHU room 462 M - east wall	
" - " - 51			
" - " - 52			
15 - PL2 - 53		14th floor south center office area - at north Between elevators door	
" - " - 54		- east center room	
" - " - 55		- SE corner	
16 - PL1 - 56		3rd mezzanine 324M paint - east wall Storeroom	
" - " - 57		east wall	
" - " - 58		west wall	
17 - HP3 - 59		1st mezzanine room 157 M near door	
" - " - 60		3rd mezzanine corridor 302M near west stair	
" - " - 61		4th floor 400 D storage closet	
" - " - 62		7th floor 700 D storage closet	
" - " - 63		10th mezzanine 1086M AHU room SW corner	

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
17 - HP3 - 64		12th floor NW entry hall to SE cell block	2-26-21
↓ - ↓ - 65		13th floor hall adjacent to Freight Elevator	
18 - HP1 - 66		1st floor room 100B closet NW corner	
- - 67		1st mezzanine room 141M AHU room south center	
- - 68		2nd floor room 205 west wall	
- - 69		3rd floor room 302 south wall	
- - 70		8th floor room 800D closet at door	
- - 71		13th floor room 1360 NW corner	
- - 72		15th floor corridor 1520 at elevator	
19 - HP5 - 73	concrete plaster	14th floor corridor 1401 at prisoner elevator	
- - 74	↓	1460 pipechase by west stair	
- - 75		NE quadrant pipechase by center hall	
20 - WB1 - 76		Ground floor room 053 storage at door	
- - 77		8th floor hall 825 at door to room 804	
- - 78		10th mezzanine room 1084M SE corner	
- - 79		11th floor room 1180 NW corner	
- - 80		12th floor room 1240 NW hall	
- - 81		14th floor Infirmary west side	
- - 82		15th floor room 1590 above door	
21 - CT1 - 83	1x1 Hole pattern	2nd floor room 249 upper ceiling	
↓ - ↓ - 84	↓	↓ ↓ ↓	

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
21 - CTI - 85	1x1 Hole pattern	2nd floor room 249 - upper ceiling	2-26-21
22 - CTI - 86	1x1 pinhole pattern	2nd floor room 243 upper ceiling	
" - " - 87	"	"	
" - " - 88	"	"	
23 - CTI - 89	1x1 Gouge pattern glue-on	7th floor Lobby 700 at east stair	
" - " - 90	"	at west stair	
" - " - 91	"	- south center	
24 - CTI - 92	1x1 Gouge pattern spline	7th Mezzanine Lobby 700 M sw corner	
" - " - 93	"	8th floor room 840 SE corner	
" - " - 94	"	9th floor room 960 south center	
25 - CTI - 95	1x1 Rough pattern glue on	7th floor room 725 courtroom near center	
" - " - 96	"	7th Mezzanine room 713 M	
" - " - 97	"	7th Mezzanine room 782 AM closet	
26 - CTI - 98	1x1 Lunar pattern	8th floor - Lobby 820 sw corner	
" - " - 99	"	NW corner	
" - " - 100	"	SE corner	
27 - CTI - 101	1x1 smooth	13th floor room 1300 SW corner	
" - " - 102	"	NE corner	
" - " - 103	"	west center	
28 - MGG - 104	Glue dots	4th Mezzanine room 440M - north center	
" - " - 105	"	- NW corner	

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
28 - MG6 - 106	Glue dots	4th Mezzanine room 440M west of vault	2-26-21
29 - CT3 - 107	2x2 Pocks + pinhole pattern	Ground floor room 020 office NE corner	
" - " - 108	"	Ground floor room 095 near door	
" - " - 109	"	1st floor room 180 office north side	
30 - CT3 - 110	2x2 Batwing pattern	1st floor room 185 - NE corner	
" - " - 111	"	SE corner	
" - " - 112	"	SW corner	
31 - CT3 - 113	2x2 Smooth Flat pattern	5th floor room 503 near door	
" - " - 114	"	7th floor room 712 near door	
" - " - 115	"	7th floor room 780 NW corner	
32 - CT3 - 116	2x2 Rough pattern	1st floor room 120 east side	
" - " - 117	"	6th floor room 615 office near door	
" - " - 118	"	8th Mezzanine room 801 M	
33 - CT3 - 119	2x2 Rough Fissure pattern	9th floor room 906 near door	
" - " - 120	"	room 921 north side	
" - " - 121	"	room 921 south side	
34 - CT3 - 122	2x2 Rough Grooves pattern	11th floor room 1121 near door	
" - " - 123	"	room 1180 NW corner	
" - " - 124	"	hall 1190	
35 - CT3 - 125	2x2 Rough Texture pattern	14th floor room 1420A north center	
" - " - 126	"	South center	

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
35 - CT3 - 127	2x2 Rough texture pattern	14th floor room 1440 - NE corner	2-26-21
36 - CT3 - 128	2x2 Lunar pattern	9th floor room 920 NE corner	
" - " - 129		SE corner	
" - " - 130		SW corner	
37 - CT3 - 131	2x2 Dent pattern	10th floor room 1011 near door	
" - " - 132		10th Mezzanine room 1084M NW corner	
" - " - 133		room 1085M north center	
38 - CT3 - 134	2x2 Textured pattern	10th floor room 1017 - NE corner	
" - " - 135		NW corner	
" - " - 136		SW corner	
39 - CT3 - 137	2x2 Dot pattern	4th Mezzanine room 417 M near door	
" - " - 138		9th floor room 960 near center	
" - " - 139		10th floor room 1080 near door	
40 - CT3 - 140	2x2 pinhole & fissure pattern	10th floor room 1028 near center	
" - " - 141		room 1049 at entry	
" - " - 142		room 1044 near center	
41 - CT3 - 143	2x2 pinhole pattern	11th floor room 1123 SE corner	
" - " - 144		NE corner	
" - " - 145		NW corner	
42 - CT4 - 146	2x4 Deep Fissure pattern	Ground floor room 057 north side	
" - " - 147		west side	

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
42 - CT4 - 148	2x4 Deep fissure pattern	Ground floor room 057 south side	2-26-21
43 - CT4 - 149	2x4 square pattern	Ground floor room 060 SW corner	
- - 150		NE corner	
- - 151		room 065 Break room	
44 - CT4 - 152	2x4 wormhole pattern	Ground floor room 091 - near center	
- - 153		- west side	
- - 154		- east side	
45 - CT4 - 155	2x4 wormhole and pinhole pattern	Basement officern B125 center	
- - 156		4th Mezzanine room 460M north side	
- - 157		south side	
46 - CT4 - 158	2x4 pinhole & fissure pattern	2nd floor room 252 near door	
- - 159		4th floor room 464 east side	
- - 160		west side	
47 - CT4 - 161	2x4 wood fiber w fissure + pinhole pattern	7th Mezzanine room 702M SE corner	
- - 162		734M hall center	
- - 163		749 m storeroom	
48 - CT4 - 164	2x4 wormhole w texture pattern	12th floor room 1240 NW storeroom	
- - 165		room 1240 hall	
- - 166		room 1240 east room	
49 - FT1 - 167	9x9 Brown VT	12Th floor room 1240 NW storeroom - near door	
- - 168		- near center	

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
49 - FT1 - 169	9x9 Brown tf	12th floor room 1240 NW storeroom - eastside	7164670 2-26-21
50 - FT1 - 170	9x9 Gray	4th mezzanine room 400 DM Bottom layer	7164671
" - " - 171	"	8th mezzanine room 814M	7164672
" - " - 172	"	9th floor rm 985 below radiator - Bottom layer	7164673
51 - FT1 - 173	9x9 various colors	4th floor room 411A closet - under server	7164674
" - " - 174	"	5th mezzanine room 517M at door	7164675
" - " - 175	"	7th mezzanine office 788M near door	7164676
52 - FT2 - 176	12x12 Gray w gray twt	Ground floor room 021 AHU room SW corner	7164677
" - " - 177	"	"	7164678
" - " - 178	"	"	7164679
53 - FT2 - 179	12x12 Blue	Ground floor mail room 046 SE corner	7164680
" - " - 180	"	"	7164681
" - " - 181	"	"	7164682
54 - FT2 - 182	12x12 Green w/white	Ground floor room 065 Breakroom westside	7164683
" - " - 183	"	2nd floor room 236 office	7164684
" - " - 184	"	225 hall - westend	7164685
55 - FT2 - 185	12x12 Brown w brown twt	Ground floor mens restroom 056	7164686
" - " - 186	"	restroom hall 057	7164687
" - " - 187	"	3rd mezzanine room 323M paint shop office	7164688
56 - FT2 - 188	12x12 Tan w black	Ground floor room 045 SE corner	7164689
" - " - 189	"	4th Mezzanine room 400DM storage closet	7164690

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
56 - FT2 - 190	12x12 tan w black	8th mezzanine room 801BM NE corner middle layer	7164691 2.26.21
57 - FT2 - 191	12x12 Brown w Black Border	1st floor room 160 SW corner	7164692
- - 192		room 160 at entry	7164693
- - 193		room 100D storeroom at door	7164694
58 - FT2 - 194	12x12 tan mottle w black inlay	1st floor room 185 NE corner	7164695
- - 195		SE corner	7164696
- - 196		SW corner	7164697
59 - FT2 - 197	12x12 Multi-color	1st floor room 121 storeroom by sink	7164698
- - 198			7164699
- - 199			7164700
60 - FT2 - 200	12x12 Tan w Brown	2nd floor 225 hall - west end	7164701
- - 201		room 229A storage closet	7164702
- - 202		229 hall at room 243	7164703
61 - FT2 - 203	12x12 Tan	2nd floor room 262 NE corner	7164704
- - 204			7164705
- - 205			7164706
62 - FT2 - 206	12x12 Tan w Gray Dents	4th mezzanine room 460M SW corner	7164707
- - 207		6th floor room 680 NE corner	7164708
- - 208		14th floor room 1420 NE observation room	7164709
63 - FT2 - 209	12x12 Tan, Green Brown	7th floor 700 main Lobby at door to east stair	7164710
- - 210		- south side below radiator	7164711

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
63 - FT2 - 211	12x12 tan, green Brown	7th floor 700 Lobby south side	716471 2 2-26-21
64 - FT2 - 212	12x12 white w black	7th floor room 717 NE corner	716471 3
- - 213		SE corner	716471 4
- - 214		SW corner	716471 5
65 - FT2 - 215	12x12 Brown w	7th Mezzanine 700M Lobby south end	716471 6
- - 216	Reddish Brown	720M entry SE corner	716471 7
- - 217		8th floor 800 Lobby south side	716471 8
- - 218		8th floor East Courtroom Lobby	716471 9
- - 219		8th floor Courtroom 880 - NE corner	716472 0
66 - FT2 - 220	12x12 Green	7th mezzanine 700 m lobby south side	7164721
- - 221	Border	8th floor 800 Lobby south side	716472 2
- - 222		8th floor Courtroom 860 - SE corner	716472 3
67 - FT2 - 223	12x12 Dark Brown	7th floor - north stair upper landing	716472 4
- - 224		7th mezzanine - north stair upper landing	716472 5
- - 225		8th mezzanine north stair lower landing	716472 6
68 - FT2 - 226	12x12 Tan w	8th mezzanine 801M NE corner top layer	716472 7
- - 227	light Brown		716472 8
- - 228			716472 9
69 - FT2 - 229	12x12 Gray - rubberized	8th floor room 817 at door	716473 0
- - 230			716473 1
- - 231			716473 2

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
70 - FT2 - 232	12x12 Pink	9th floor room 997 near center	7164733 2-26-21
" - " - 233	"	"	7164734
" - " - 234	"	"	7164735
71 - FT2 - 235	12x12 Tan	10th floor - room 1041 south side	7164736
" - " - 236	Checker Board	- room 1032 by sink	7164737
" - " - 237	"	"	7164738
72 - FT2 - 238	12x12 Beige w	4th mezzanine room 440m sw corner	7164739
" - " - 239	lt Brown streaks	11th floor room 1123 near door	7164740
" - " - 240	"	room 1126 near door	7164741
73 - FT2 - 241	12x12 Gray w	12th floor 1240 cell block hall - westend	7164742
" - " - 242	gray streaks	1240 SE corner	7164743
" - " - 243	"	1240 NW room	7164744
74 - FT2 - 244	12x12 Brown	15th floor room 1542 storage room at west door	7164745
" - " - 245	Mottle	room 1521 restroom	7164746
" - " - 246	"	west hall 1584 center	7164747
75 - M65 - 247	Black mastic on concrete	1st floor room 125 west center	7164748
" - " - 248	floors under carpet	3rd floor room 345B at pipe chase door	7164749
" - " - 249	"	11th floo room 1120 office open NE corner	7164750
76 - FC1 - 250	Brown sheet vinyl	4th Mezzanine room 400m elev lobby	7164751
" - " - 251	Flooring	9th floor room 924 west side	7164752
" - " - 252	"	10th floor room 1085 NW corner	7164753

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
77 - FC1 - 253	Tan w Brn & Blk	7th floor corridor 790 at door to room 721	7164754 2-26-21
" - " - 254	Linoleum	9th floor Lobby 900 south center	7164755
" - " - 255	"	10th floor Lobby 1000 south center	7164756
78 - FC1 - 256	Brown Gray Orange Decorative flooring	10th floor room 1048 at entry - Black	7164757
" - " - 257	"	1040 center hall - SW - Gray	7164758
" - " - 258	"	1024 hall east end - Orange	7164759
79 - FC5 - 259	Tarpaper on concrete floor	2nd floor courtroom 280 SE corner	7164760
" - " - 260	"	6th floor courtroom 660 NE corner	7164761
" - " - 261	"	9th floor courtroom 940 NE corner	7164762
80 - FC3 - 262	Various colors	7th floor 700 Lobby SE corner - Brown light	7164763
" - " - 263	"	7th mezzanine 700 M Lobby at Division 21 courtroom door - Green	7164764
" - " - 264	"	8th floor courtroom 860 south center - Tan	7164765
" - " - 265	"	8th mezzanine room 814M near door Black	7164766
81 - FC3 - 266	4" Brown	9th floor room 902 at entry	7164767
" - " - 267	"	15th floor room 1523 SW corner at door	7164768
" - " - 268	"	room 1588 at door	7164769
82 - FC3 - 269	3" Brown	12th floor 1240 center cell block - west hall	7164770
" - " - 270	"	1240 center cell block hall - center	7164771
" - " - 271	"	1240 south hall - west end	7164772
83 - FC3 - 272	4" Black	12th floor 1240 cell block near west hall center	7164773
" - " - 273	"		7164774

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
83 - FC3 - 274	4" black	12th floor 1240 cell block near west hall center	7164775 2-26-21
84 - FC5 - 275	old Terrazzo	3rd floor Lobby 300 at east stair	7164776
| - | - 276	flooring	11th floor room 1160 west center	7164777
| - | - 277	|	14th floor 1440 Infirmary east center	7164778
85 - FC5 - 278	New Terrazzo	4th floor Lobby 400 south side	7164779
- - 279	flooring	5th floor Lobby 500 south side	7164780
| - | - 280	|	6th floor Lobby 600 south side	7164781
86 - MS5 - 281	Terrazzo Shower	12th floor - SE cell block shower	7164782
- | - 282	Basin	13th floor - NE cell block shower	7164783
| - | - 283	|	14th floor - NE cell block shower	7164784
87 - MA5 - 284	4" white Ceramic wall tile	12th floor - SE cell block shower	7164785
- | - 285	w grout + mortar	13th floor - NE cell block shower	7164786
| - | - 286	|	| - SE cell block shower	7164787
88 - SC2 - 287	Tar coating on	6th floor 600D closet by window	7164788
- - 288	Brick walls	10th mezzanine attic space south side	7164789
| - | - 289	|	14th floor NW corner perimeter wall	7164790
89 - MS5 - 290	Radiator Insulation	6th floor Lobby 600 south side	7164791
| - | - 291	Board	9th floor Lobby 900 south side	7164792
| - | - 292	|	10th floor Lobby 1000 south side	7164793
90 - SC6 - 293	Black	8th floor room 826 sink	7164794
| - | - 294	|	14th floor room 1440 sink	7164795

Asbestos Sample Location Log

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Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
90 - SC6 - 295	Black	14th floor room 1440 sink	7164796 2-26-21
91 - SC6 - 296	off white	8th mezzanine room 817M sink	7164797
" - " - 297	"	10th floor room 1032 sink	7164798
" - " - 298	"	11th floor room 1161 sink	7164799
92 - WP1 - 299	Canvas	15th floor mechanical room 1560 north side	7164800
" - " - 300	"	"	7164801
" - " - 301	"	"	7164802
93 - WP1 - 302	Silver/ White	4th floor room 485 above ceiling on duct	7164803
" - " - 303	"	4th Mezzanine room 461M ↓	7164804
94 - CP1 - 304	Corrugated	12th floor room 1200 ceiling	7164805
95 - CP5 - 305	Electric panel insulator	15th floor mechanical room 1560 north side	7164806
96 - FD1 - 306		12th floor room 1200 north door	7164807
97 - CA3 - 307	Concrete Block wall	14th floor at entrance to NE cellblock	7164808
" - " - 308	Caulk	15th floor corridor 1520 east end	7164809
" - " - 309	"	room 1588 at door	7164810
98 - SC1 - 310		Basement Boiler room B127 - south side	7164811
" - " - 311		"	7164812
" - " - 312		"	7164813
99 - CA1 - 313	Black	Exterior SW window of 045 - top layer	7164814
" - " - 314	"	east side of 024	7164815
" - " - 315	"	west side of 066	7164816

Asbestos Sample Location Log

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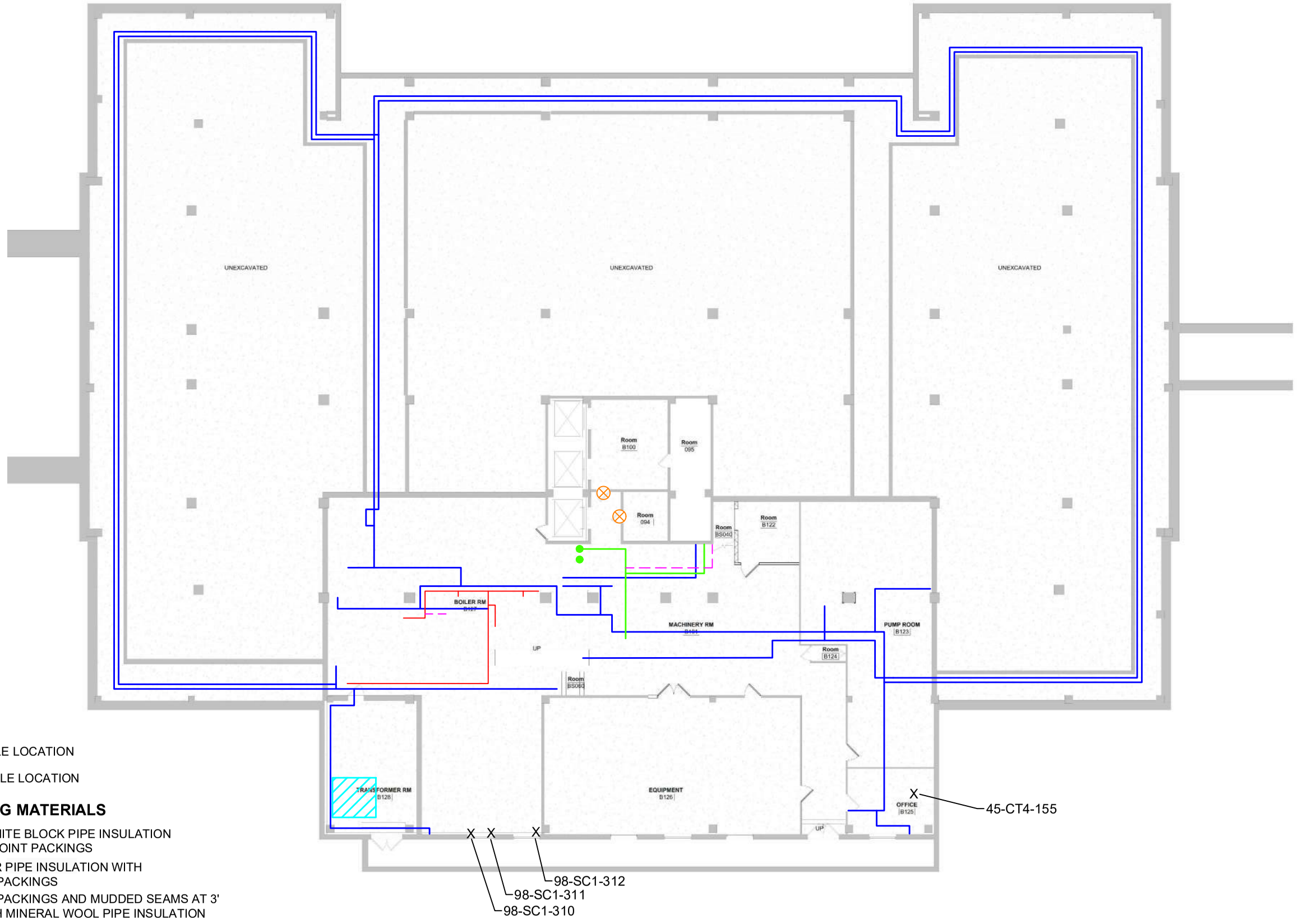
Page_____ of_____

Sample Number (HA-BS Code-Sample No)	Color/Pattern/ Texture	Sample Location	Collection Date
100 - CA1 - 316	Tan	Exterior - SW window of 045 Bottom layer	716481 2-26-21
" - " - 317	"	- east side of 024	716481
" - " - 318	"	west side of 066	716481
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APPENDIX F

ASBESTOS MATERIAL LOCATION DRAWINGS

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- PREFORMED WHITE BLOCK PIPE INSULATION WITH MUDDED JOINT PACKINGS
- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING
- CORRUGATED CEMENT CEILING PANELS
- METAL FIRE DOORS

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

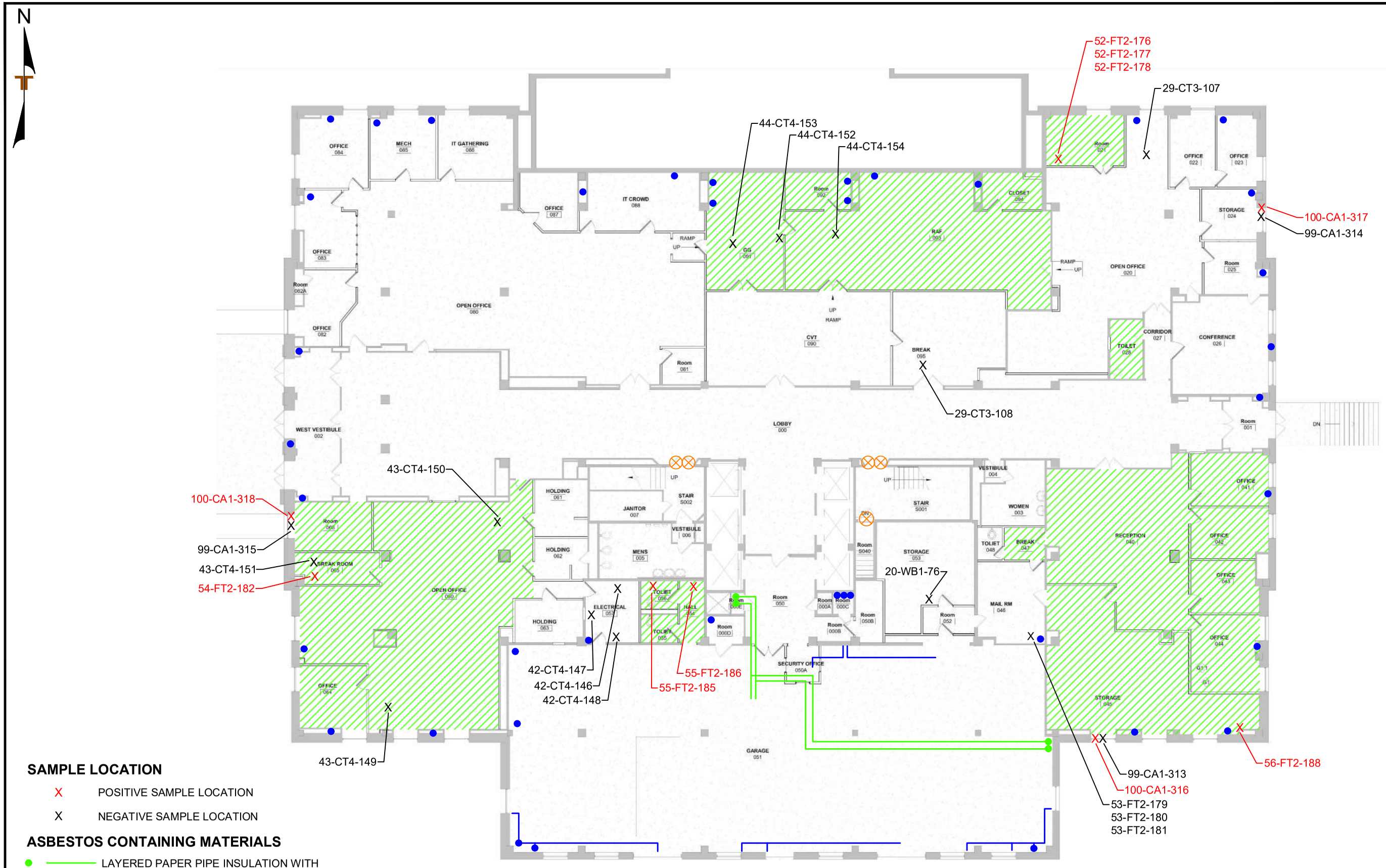
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Checked By:	TEE
Drawn By:	DBM
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Date:	03/19/2021
File No.	02207156_I-6.DWG

Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - BASEMENT

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 1



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM

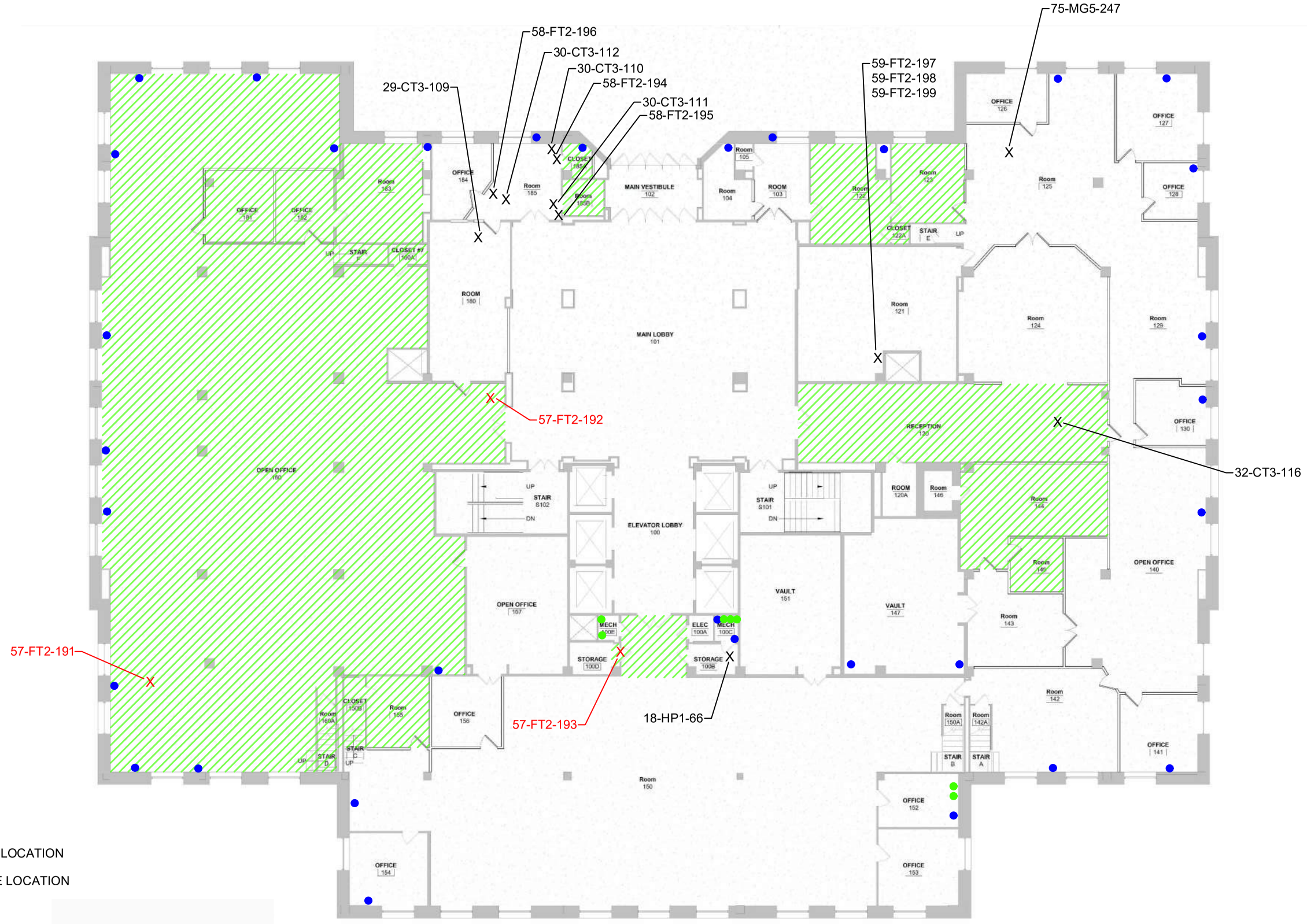
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Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - GROUND FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 2



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
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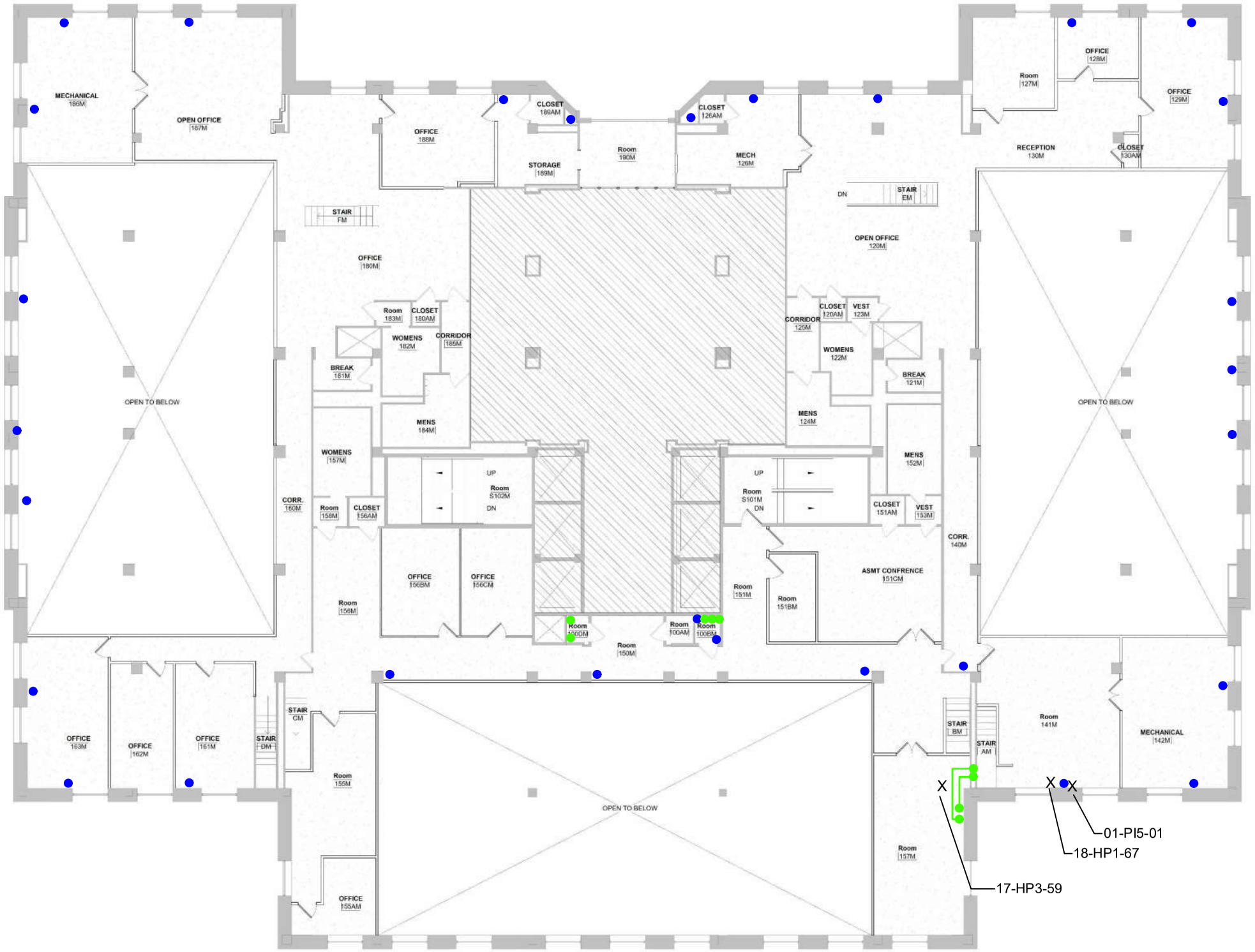
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Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - FIRST FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 3

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_I-6.DWG

Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - FIRST FLOOR MEZZ

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 4



SAMPLE LOCATION

- X — POSITIVE SAMPLE LOCATION
- X — NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC
- ACOUSTIC CEILING PLASTER
- BLACK MASTIC ON CONCRETE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_I-6.DWG

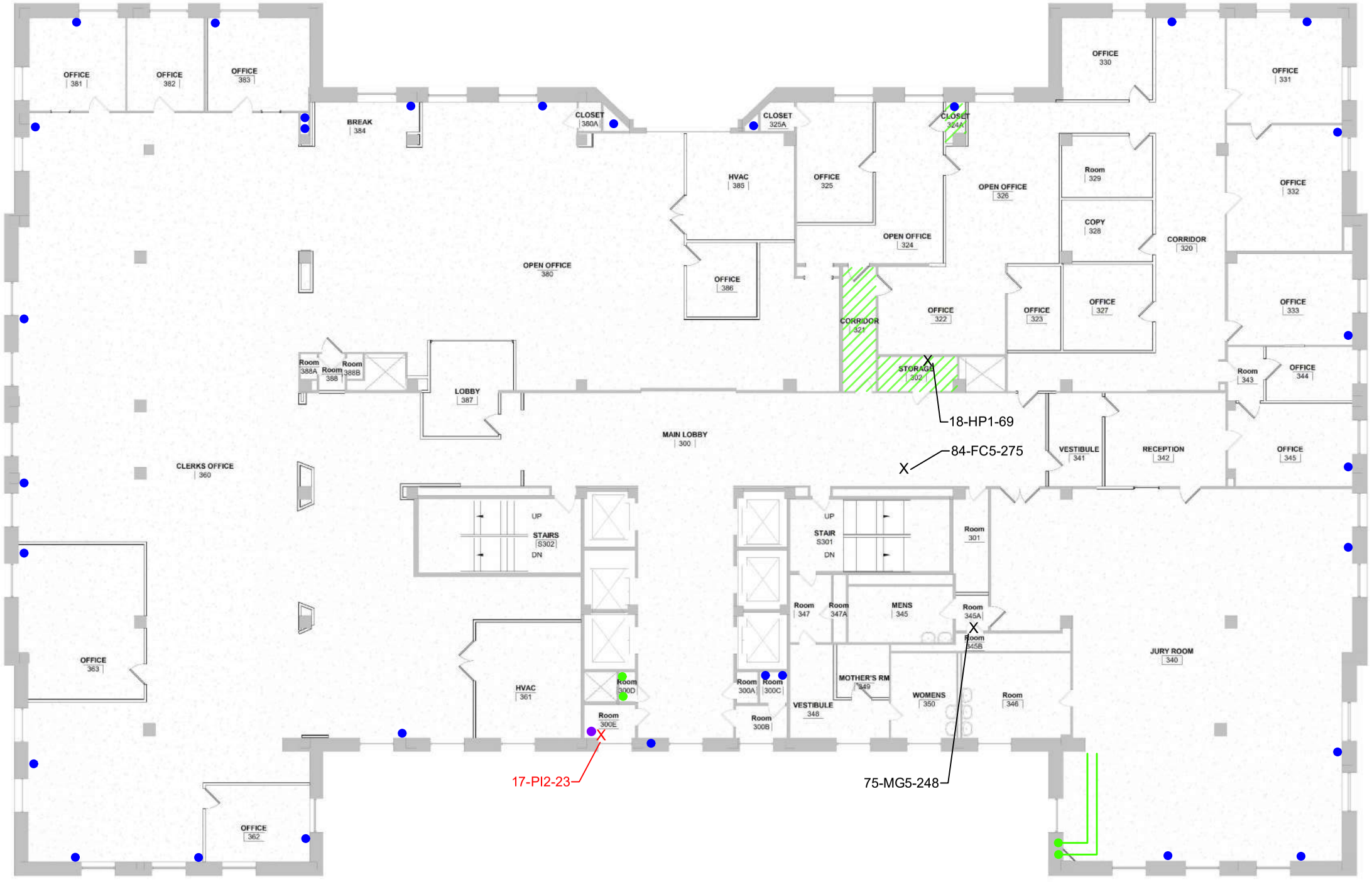
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - SECOND FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 5

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- CORRUGATED PIPE INSULATION
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_I-6.DWG

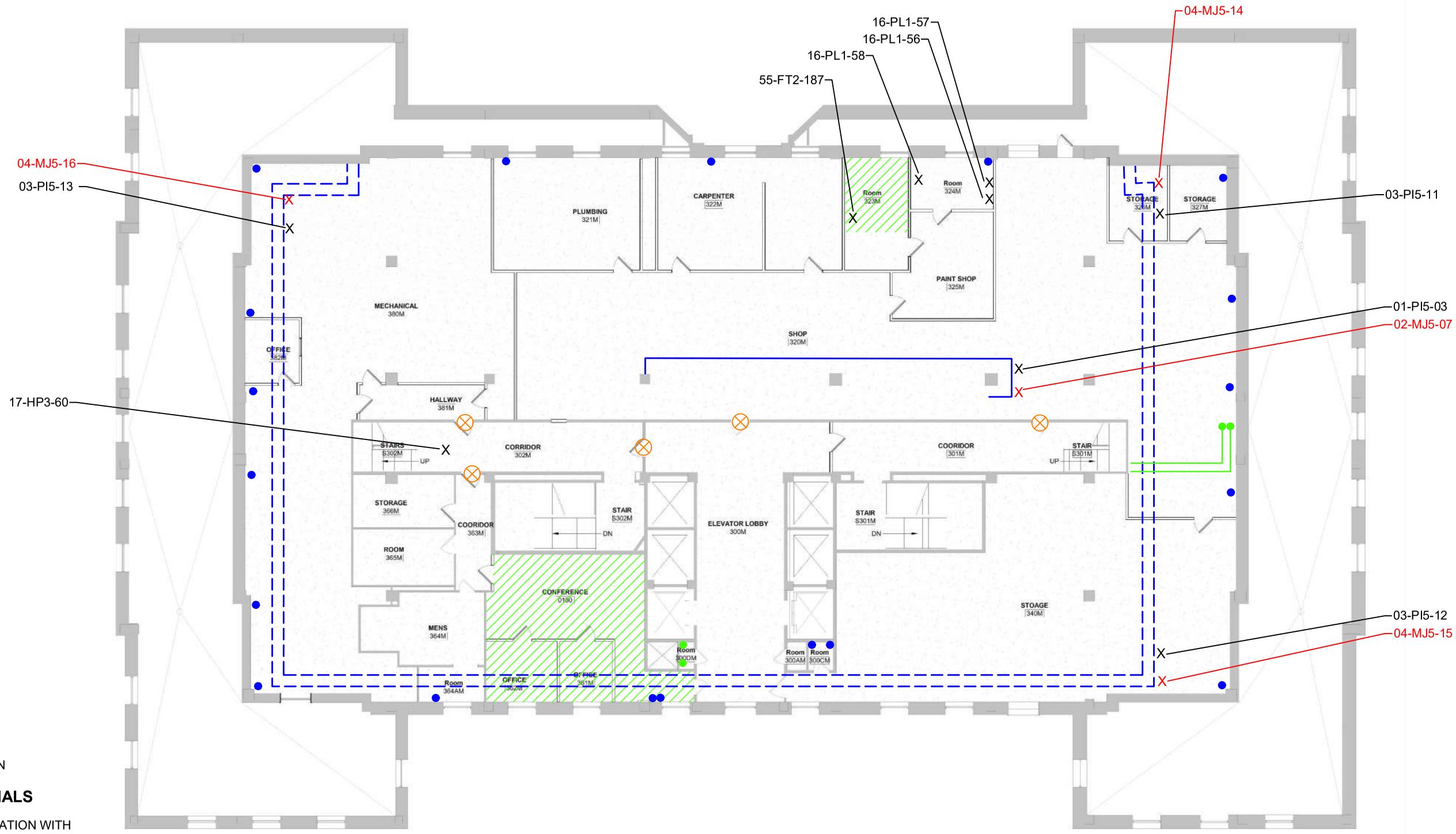
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - THIRD FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 6

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH TAN PAPER WRAPPED MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_7-12.DWG

Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - THIRD FLOOR MEZZ

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 7

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- VIBRATION JOINT CLOTH ON DUCTWORK
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_7-12.DWG

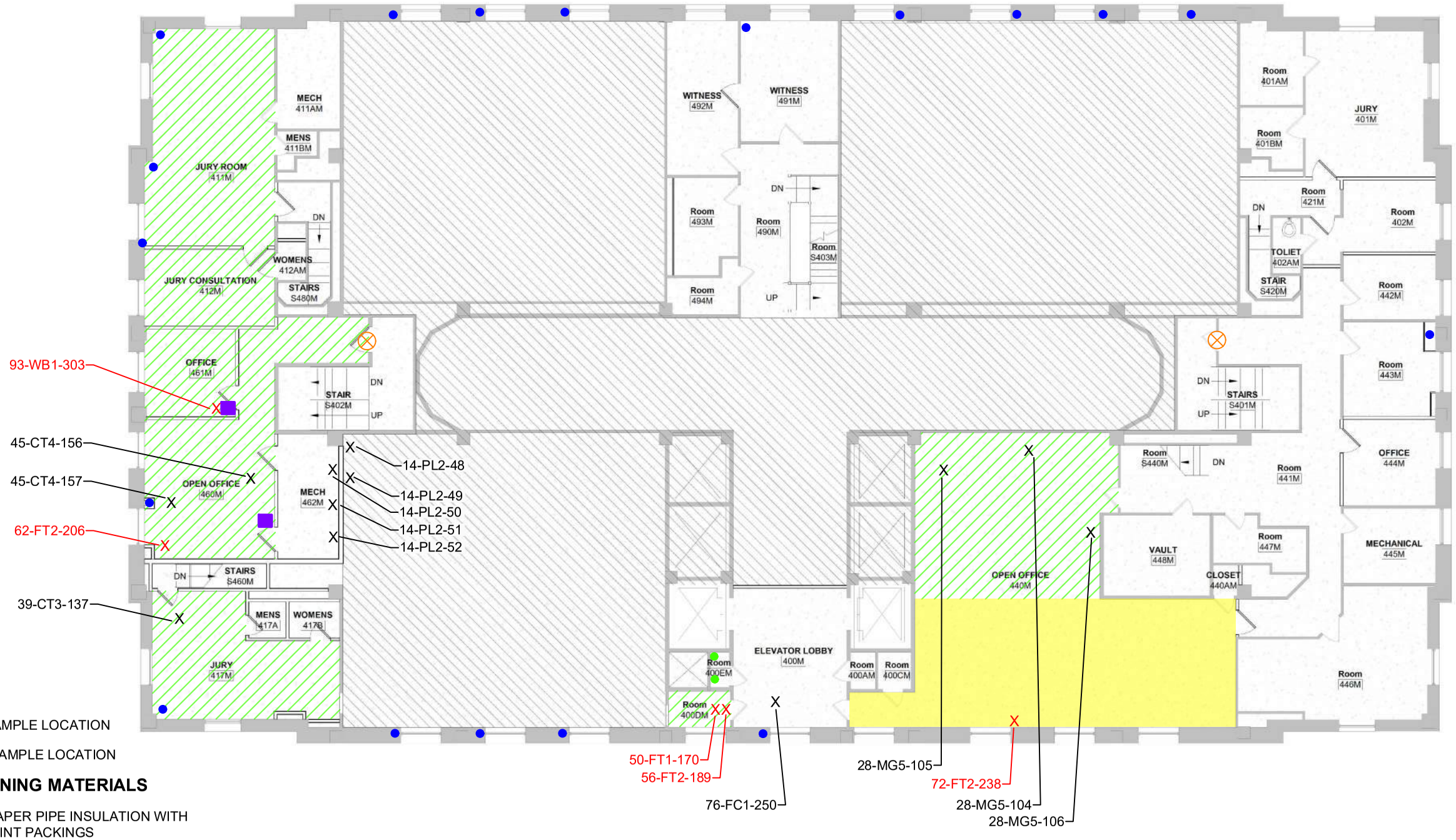
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIAL LOCATION DIAGRAM - FOURTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 8

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- VIBRATION JOINT CLOTH ON DUCTWORK
- FLOOR TILE AND MASTIC
- FLOOR TILE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_7-12.DWG

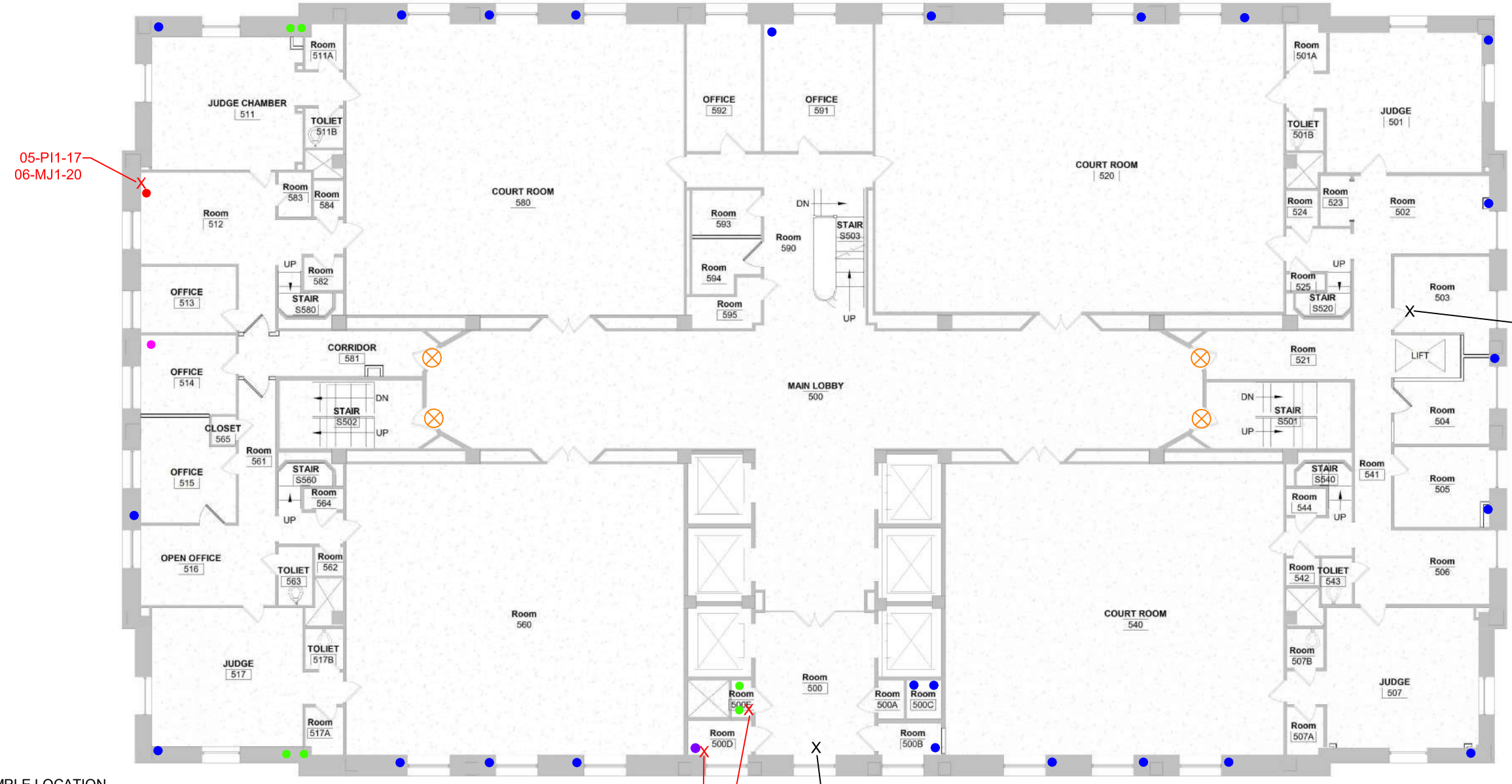
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - FOURTH FLOOR MEZZ

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 9

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- PREFORMED WHITE BLOCK PIPE INSULATION WITH MUDDED JOINT PACKINGS
- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH FIBERGLASS INSULATED PIPING
- METAL FIRE DOORS
- CORRUGATED PIPE INSULATION

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_7-12.DWG

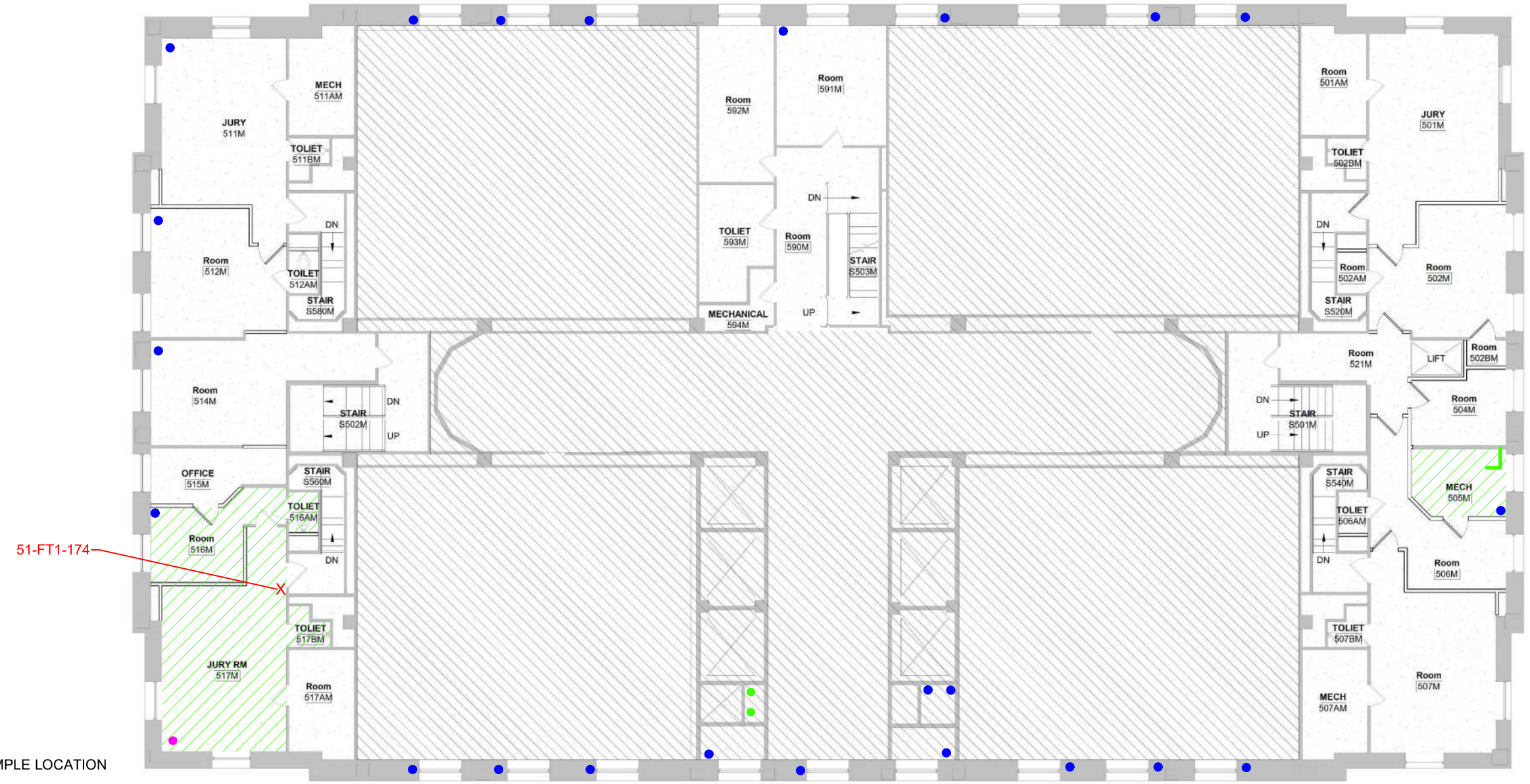
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Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - FIFTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 10

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH FIBERGLASS INSULATED PIPING
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr: PEF	Project No. 02207156	Terracon Consulting Engineers and Scientists	ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - FIFTH FLOOR MEZZ
Approved By: FMR	Scale: NOT TO SCALE	15620 W 113TH STREET LENEXA, KS 66219	JACKSON COUNTY COURTHOUSE
Checked By: TEE	Date: 03/19/2021	PH. (913) 492-7777 FAX. (913) 492-7443	415 E 12TH STREET
Drawn By: DBM	File No. 02207156_7-12.DWG		KANSAS CITY, MISSOURI

EXHIBIT 11

N

62-FT2-207

DATA CLO 611A
JUDGES CHAMBER 611
R.R. 611B
COURT ROOM 680
OFFICE 691
OFFICE 692
Room 621
COURT ROOM 630
DATA CLO 601A
JUDGE CHAMBER 601
TOLIET 601B
OFFICE 612
BREAK 685
CLOSET 686
RESTROOM 693
RESTROOM 694
Room 690
DN
STAIR S603
OFFICE 622
BREAK CLOSET 625 626
CORRIDOR 624
OFFICE 602
Room 684
UP
CLOSET 687
STAIR S680
MECHANICAL 695
CLOSET 627
STAIR S620
OFFICE 603
Room 613
CORRIDOR 683
CORRIDOR 623
BREAK ROOM 614
COFFEE BAR 013
MAIN LOBBY 600
STAIR S602
DN
UP
STAIR S601
OFFICE 604
Room 644A
32-CT3-117
OFFICE 615
STAIR S660
CLOSET 667
Room 664
STAIR S640
CLOSET 647
CORRIDOR 644
OFFICE 605
OFFICE 616
TOLIET 665
CLOSET 666
CLOSET 646
TOLIET 645
OFFICE 606
COURTROOM 660
COURTROOM 640
RESTROOM 617B
TOLIET 607B
JUDGE 617
Room 600
CLOSET 600E
MECHANICAL ELEC. 600A 600C
JUDGE CHAMBER 607
DATA 617A
CLOSET 600D
CLOSET 600B
CLOSET 607A
79-FC5-260
88-SC2-287
89-MS5-290
85-FC5-280

SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- PREFORMED WHITE BLOCK PIPE INSULATION WITH MUDDED JOINT PACKINGS
- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_7-12.DWG

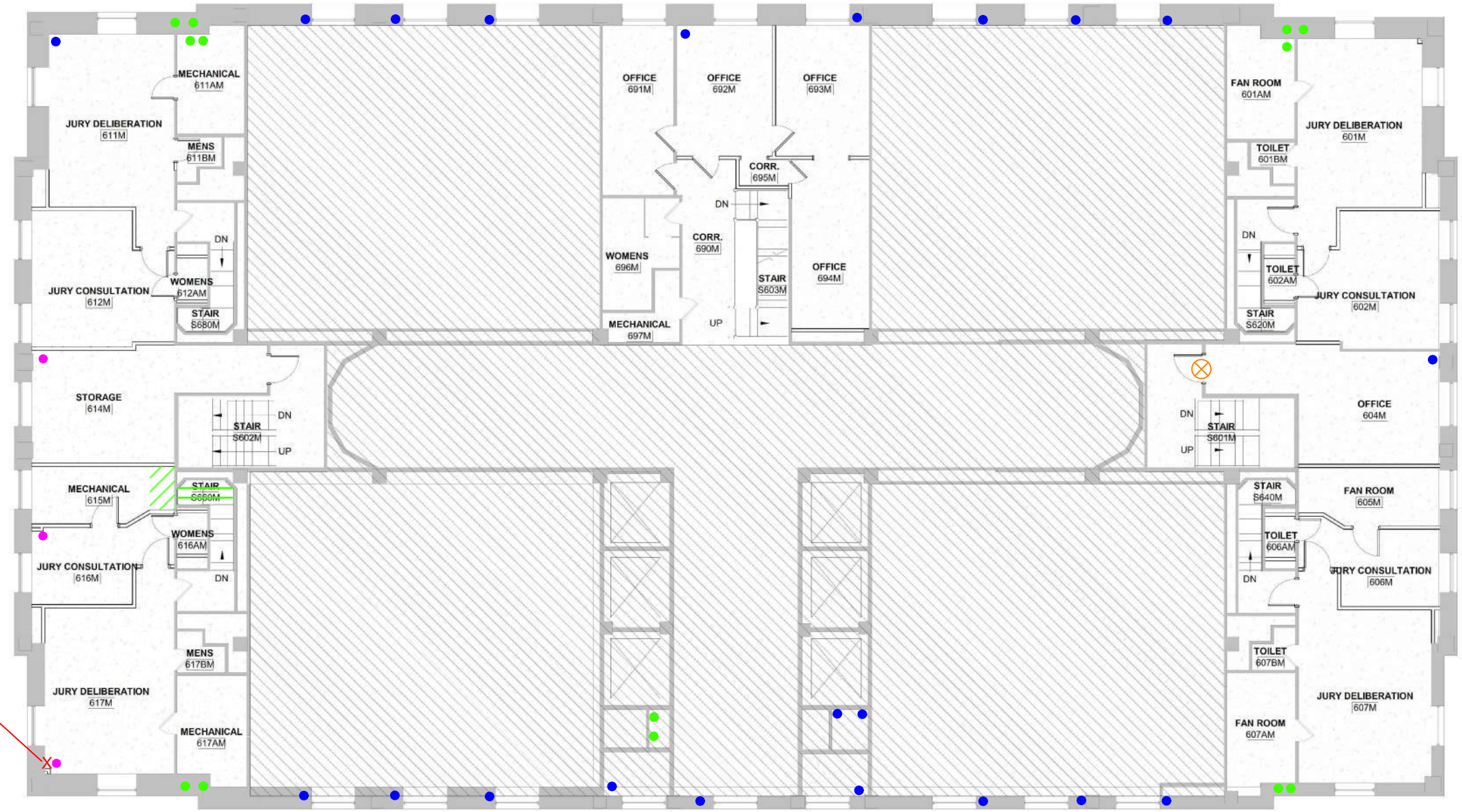
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - SIXTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 12

N



10-MJ4-32

SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- PREFORMED WHITE BLOCK PIPE INSULATION WITH MUDDED JOINT PACKINGS
- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH FIBERGLASS INSULATED PIPING
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_13-19.DWG

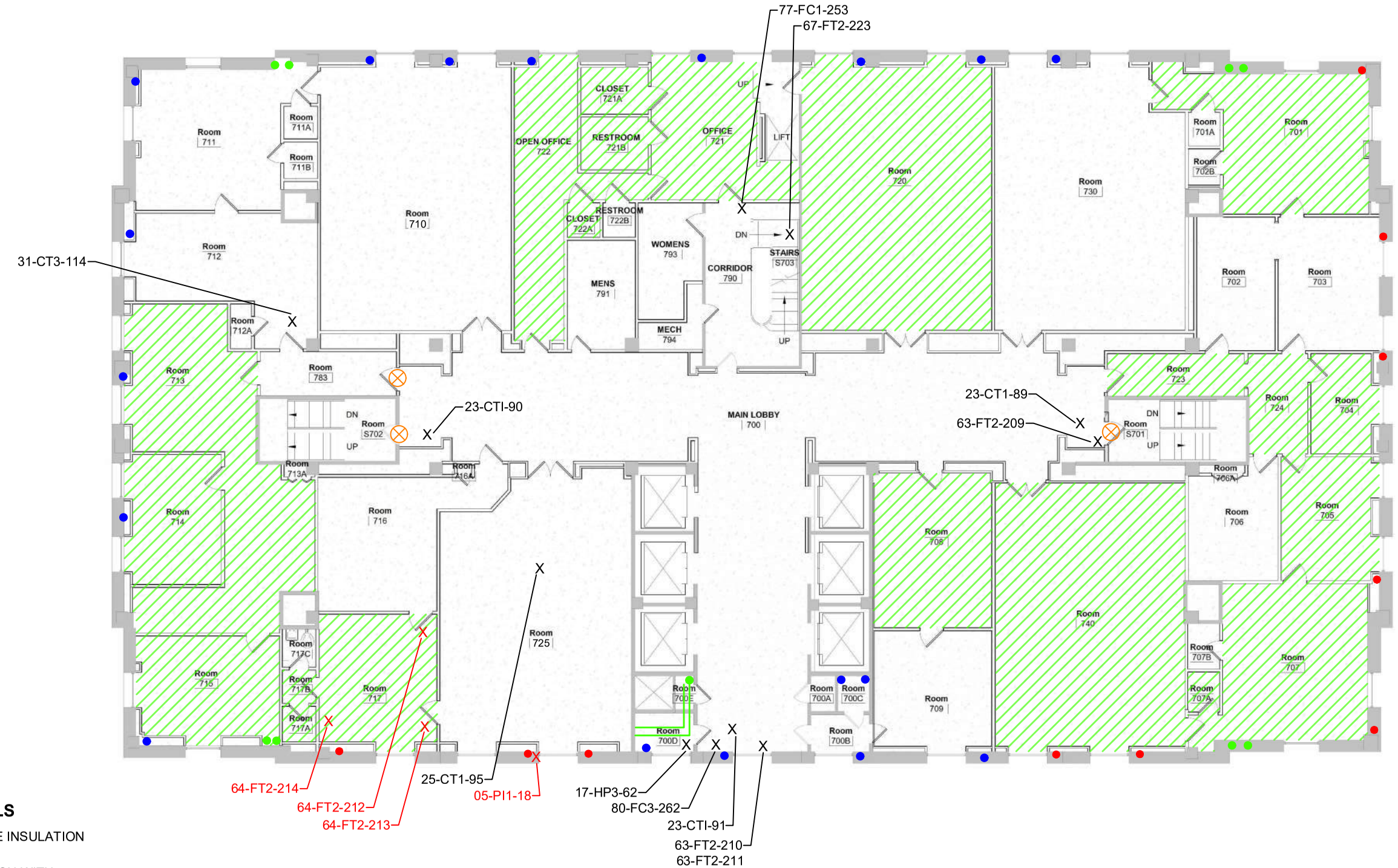
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - SIXTH FLOOR MEZZ

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 13

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- PREFORMED WHITE BLOCK PIPE INSULATION WITH MUDDED JOINT PACKINGS
- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_13-19.DWG

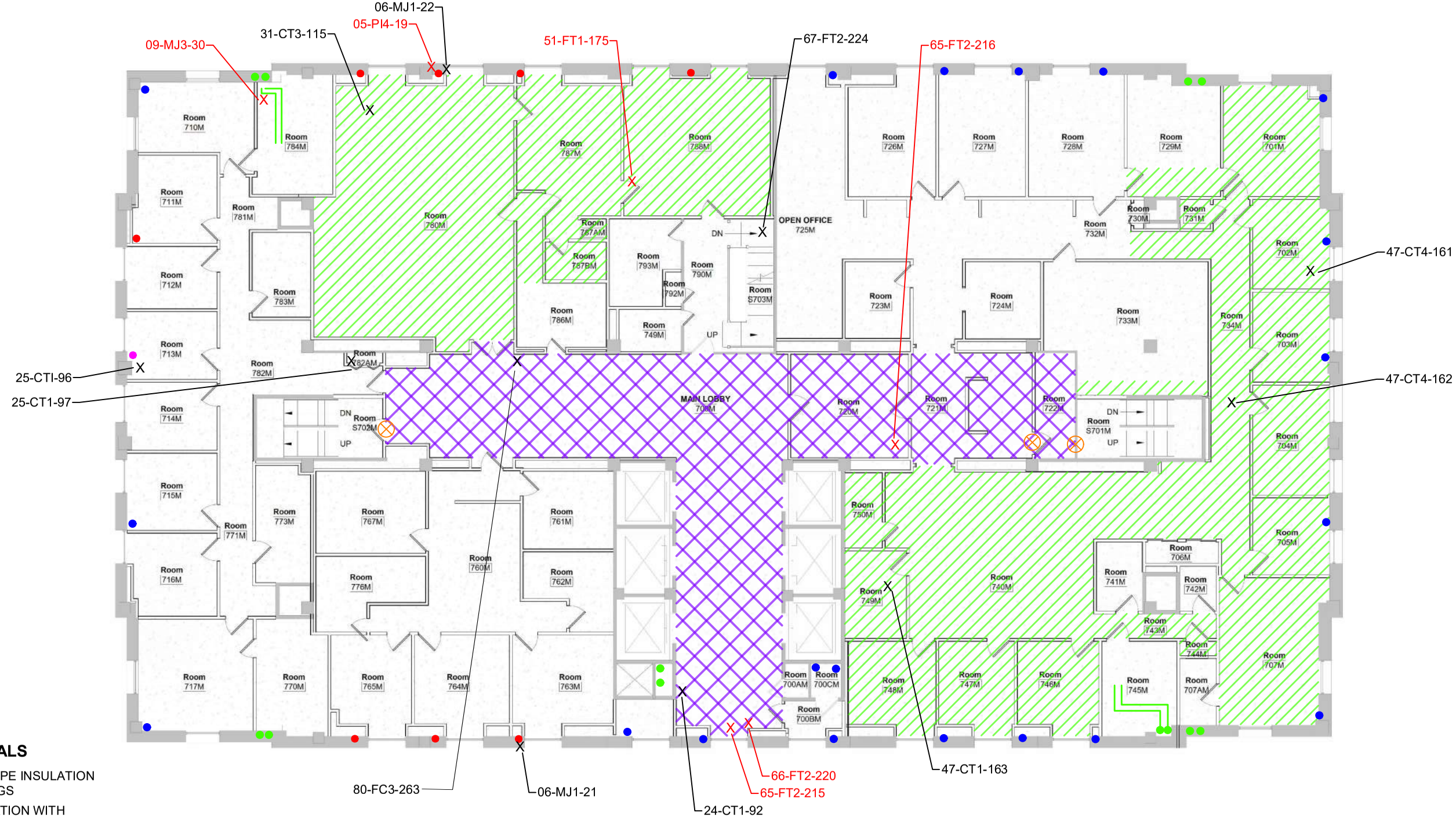
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - SEVENTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 14

N



SAMPLE LOCATION

- X — POSITIVE SAMPLE LOCATION
- X — NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- PREFORMED WHITE BLOCK PIPE INSULATION WITH MUDDED JOINT PACKINGS
- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH FIBERGLASS INSULATED PIPING
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC
- MASTIC BENEATH FLOOR TILE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

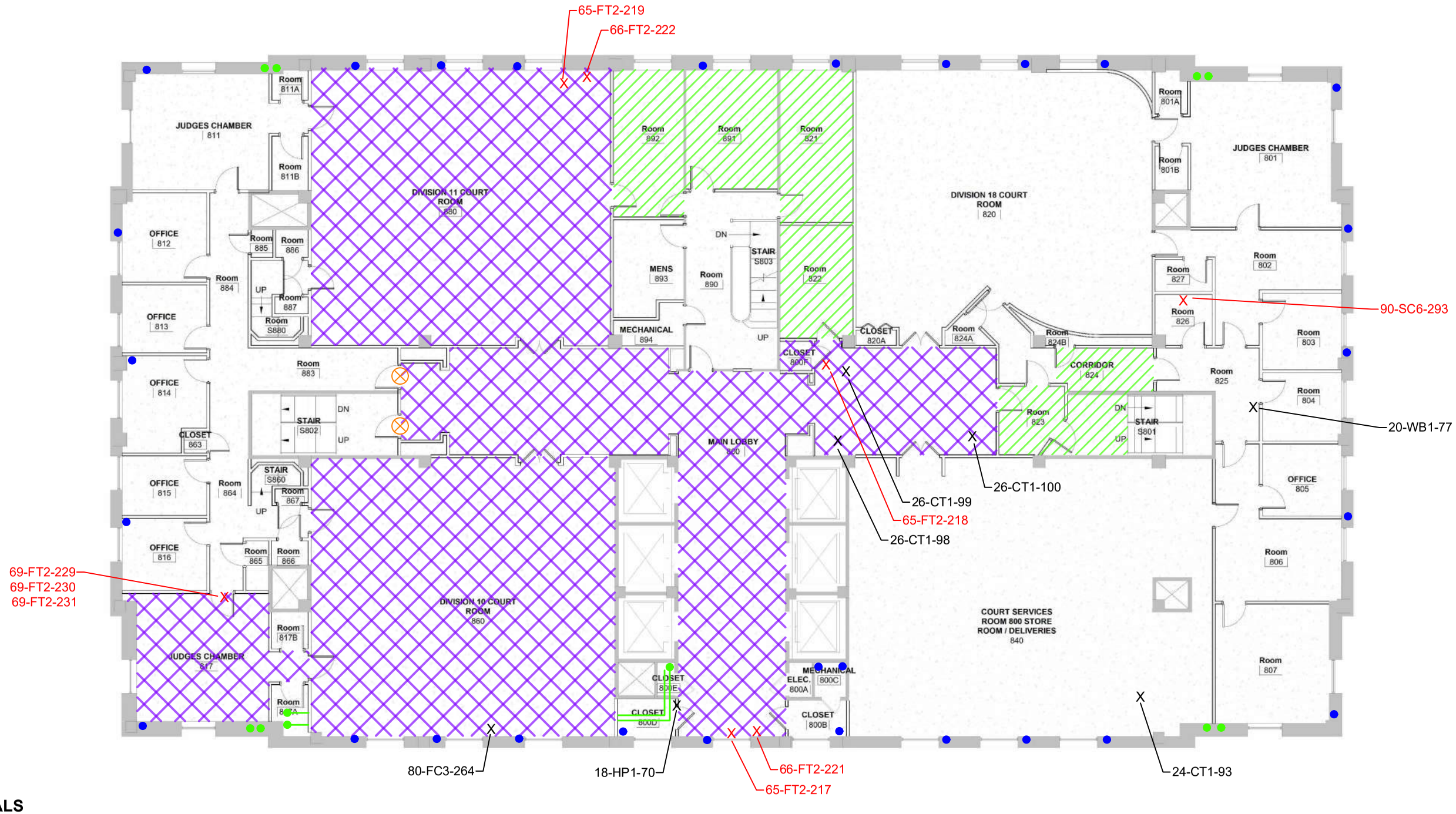
Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_13-19.DWG

Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - SEVENTH FLOOR MEZZ

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 15



SAMPLE LOCATION

X — POSITIVE SAMPLE LOCATION

X — NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC
- MASTIC BENEATH FLOOR TILE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

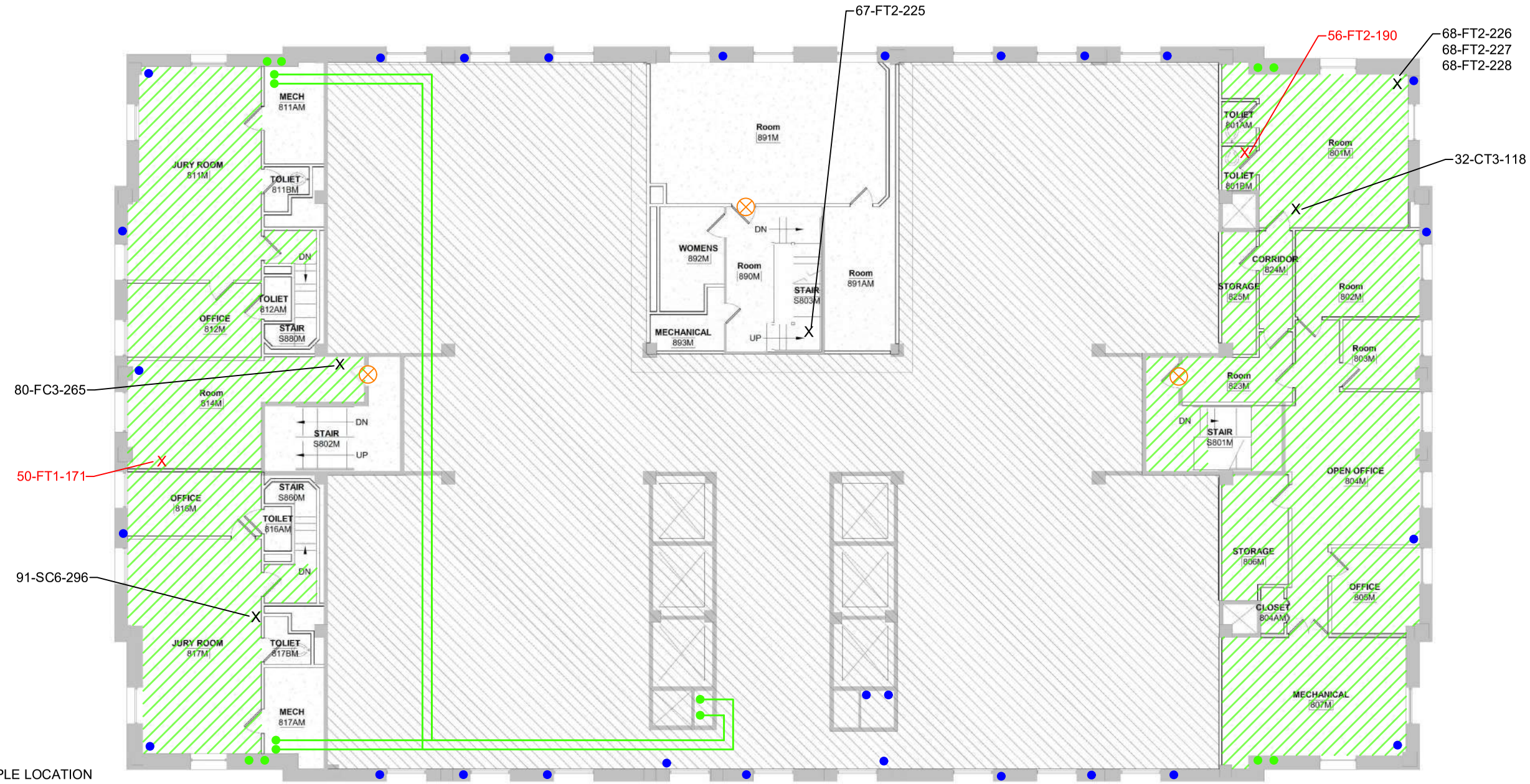
Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_13-19.dwg

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Consulting Engineers and Scientists
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PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - EIGHTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 16



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

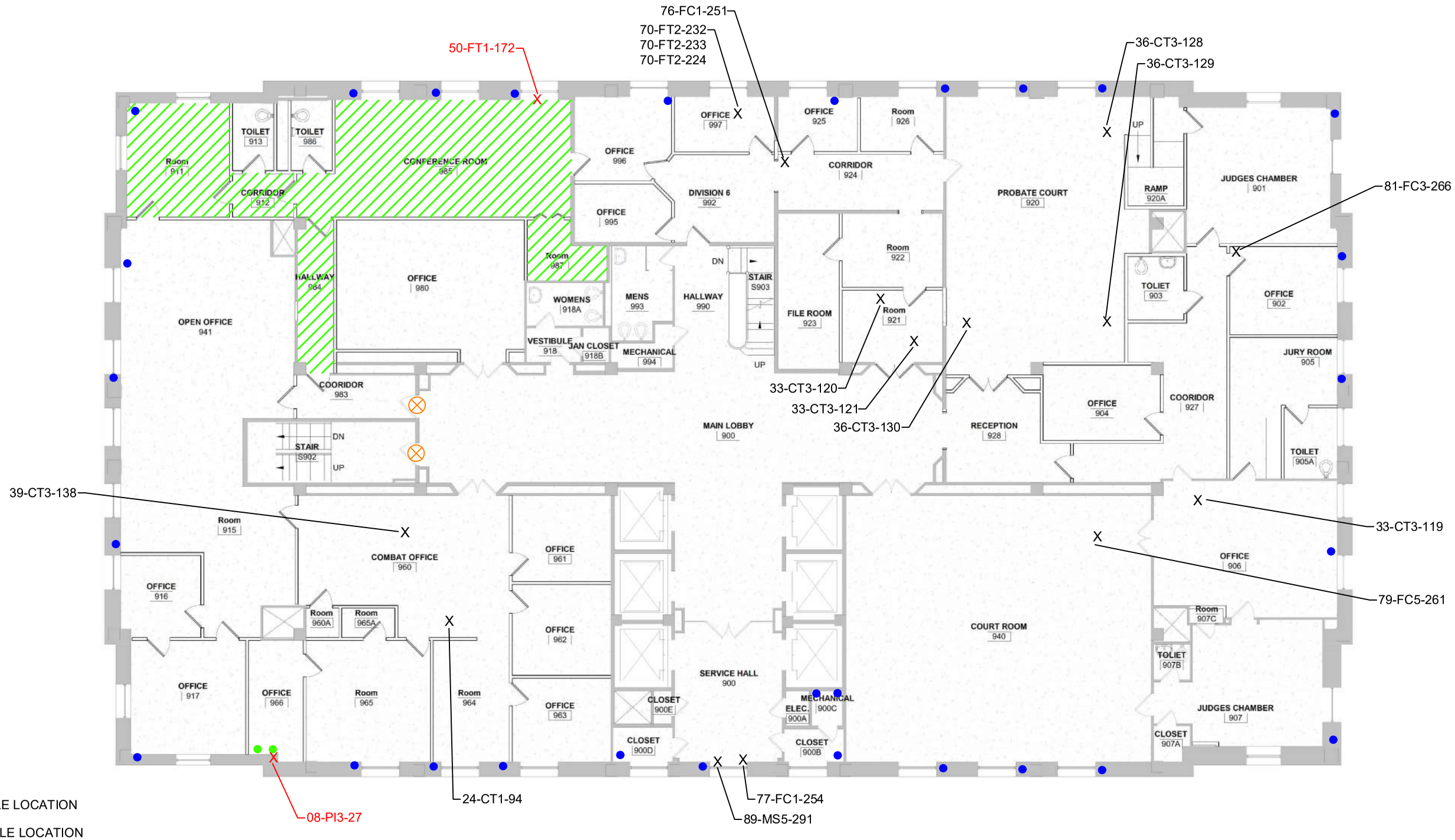
NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr: PEF	Project No. 02207156	Terracon Consulting Engineers and Scientists	ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - EIGHTH FLOOR MEZZ
Approved By: FMR	Scale: NOT TO SCALE	15620 W 113TH STREET LENEXA, KS 66219	JACKSON COUNTY COURTHOUSE
Checked By: TEE	Date: 03/19/2021	PH. (913) 492-7777 FAX. (913) 492-7443	415 E 12TH STREET
Drawn By: DBM	File No. 02207156_13-19.DWG		KANSAS CITY, MISSOURI

EXHIBIT 17

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- METAL FIRE DOORS
- FLOOR TILE AND MASTIC

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_I3-19.DWG

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ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - NINTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 18



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION

METAL FIRE DOORS

FLOOR TILE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

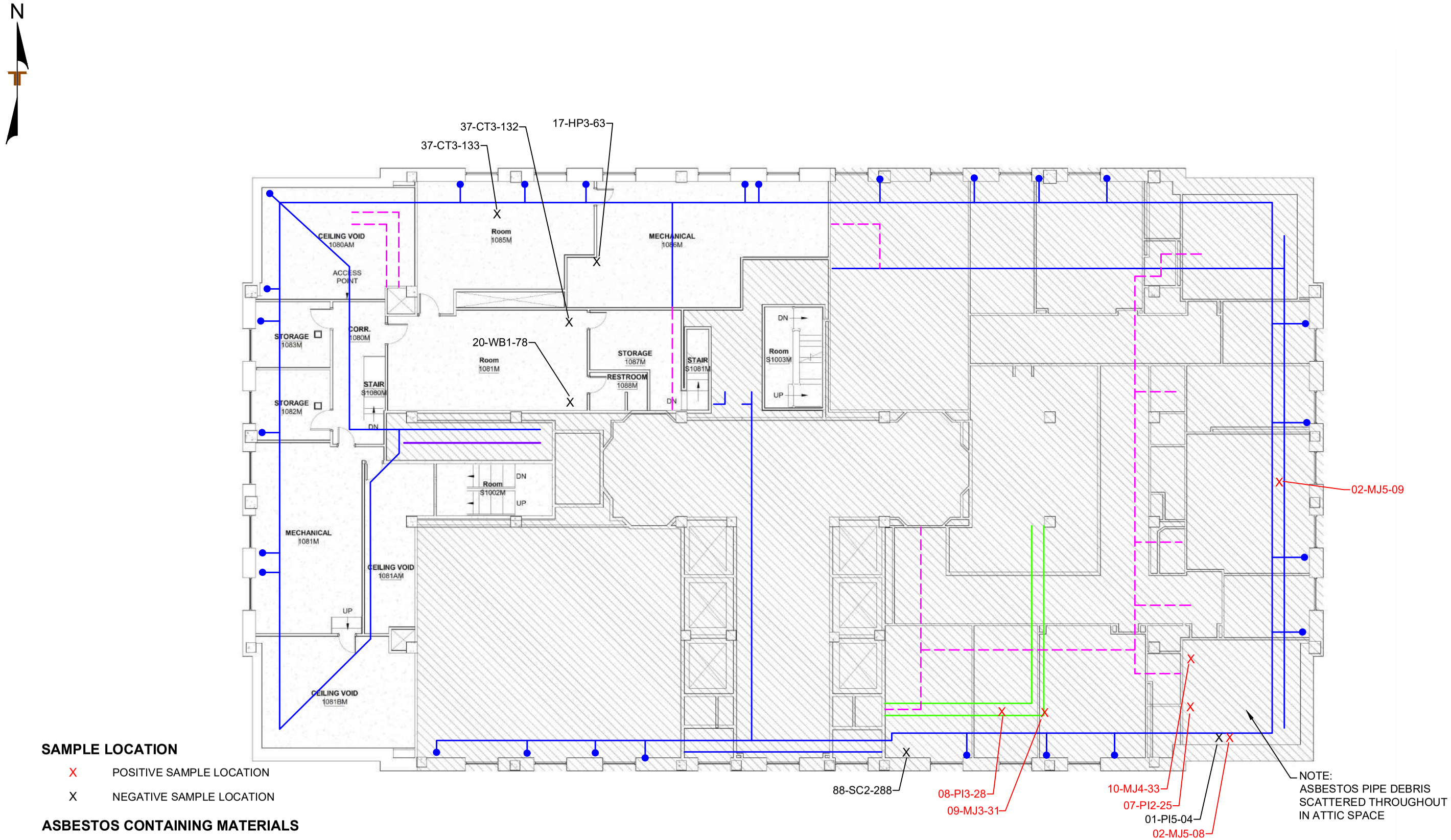
Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_13-19.dwg

Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - TENTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 19



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- LAYERED PAPER PIPE INSULATION WITH MUDDED JOINT PACKINGS
- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING
- CORRUGATED PIPE INSULATION

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

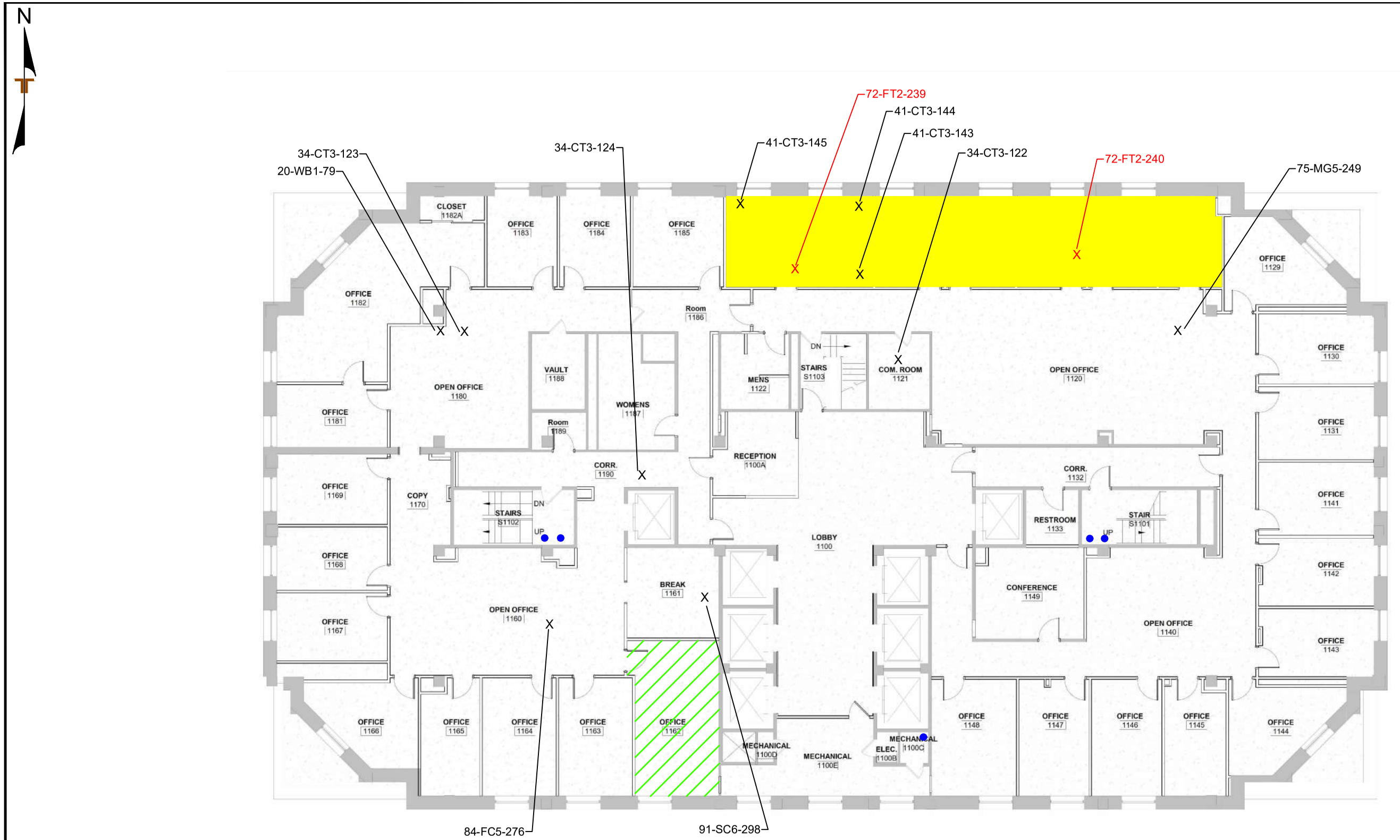
Project Mngr:	PEF
Approved By:	FMR
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Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
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PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - TENTH FLOOR MEZZ

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 20



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

● —— MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION

FLOOR TILE AND MASTIC

FLOOR TILE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
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Date:	03/19/2021
File No.	02207156_20-26.DW

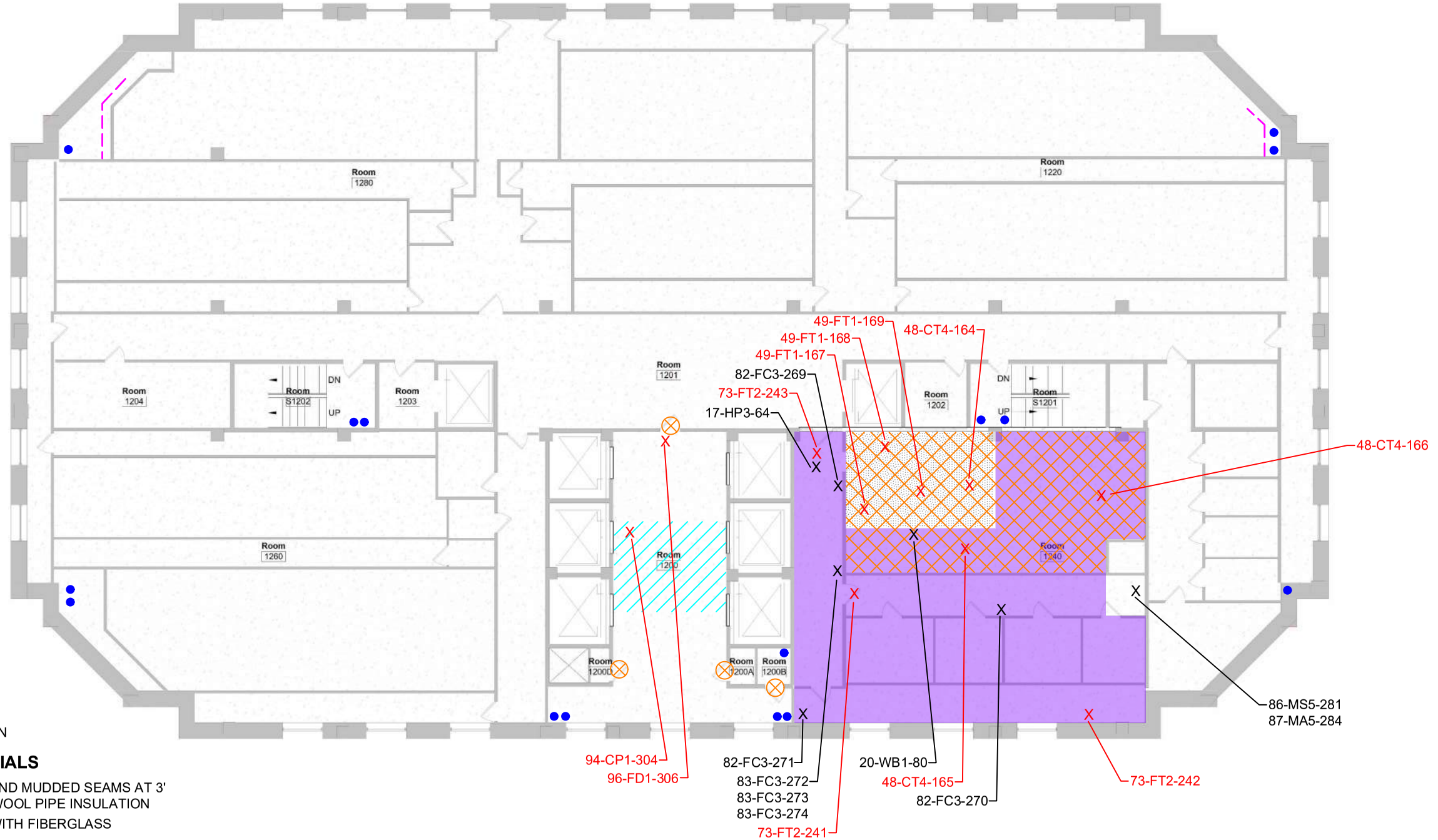
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - ELEVENTH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 21

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING
- METAL FIRE DOORS
- CORRUGATED CEMENT CEILING PANELS
- MASTIC BENEATH FLOOR TILE
- CEILING TILE
- FLOOR TILE

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

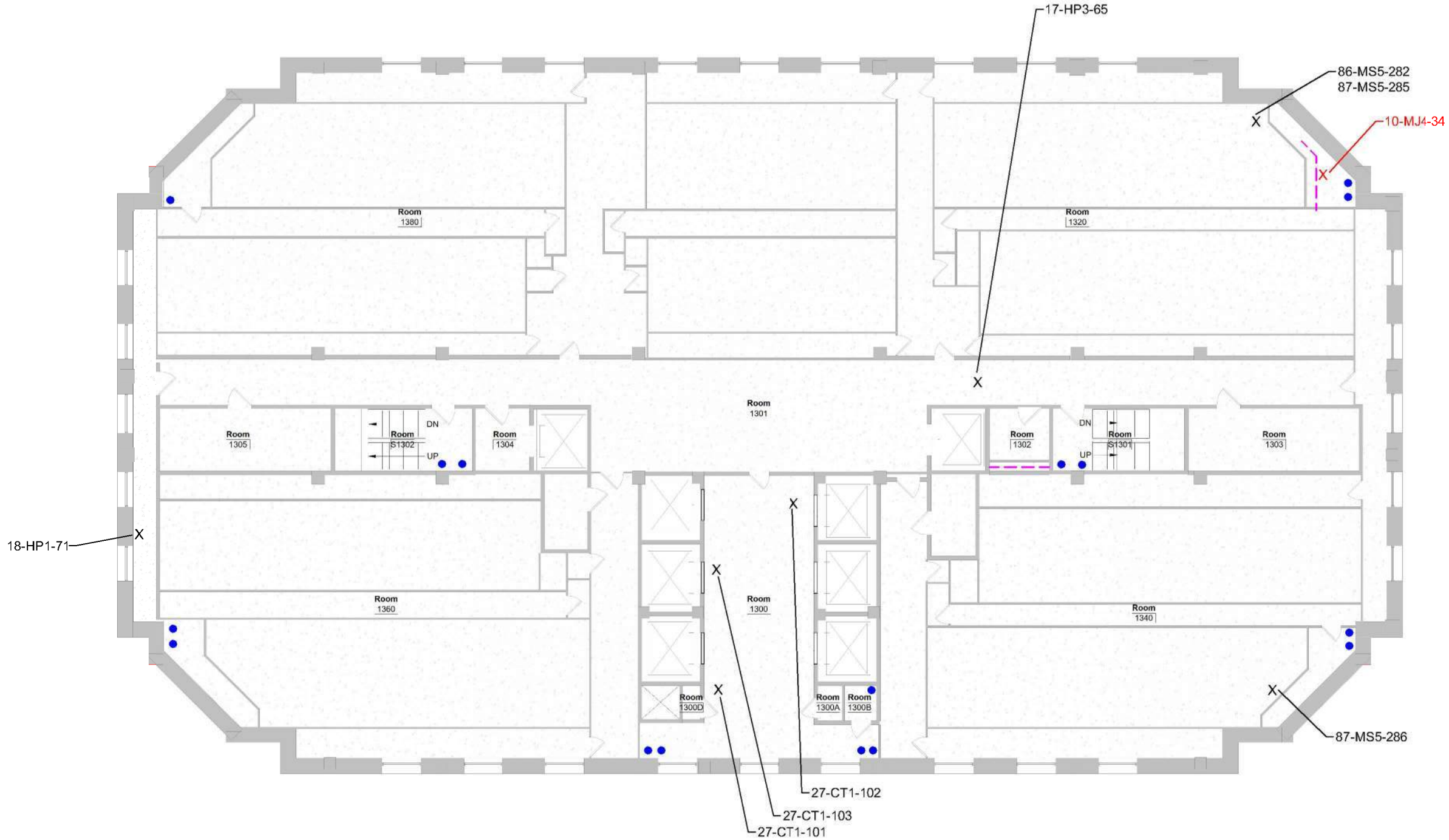
Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_20-26.dwg

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ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - 12TH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 22



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

● —— MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION

– – – – MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_20-26.DWG

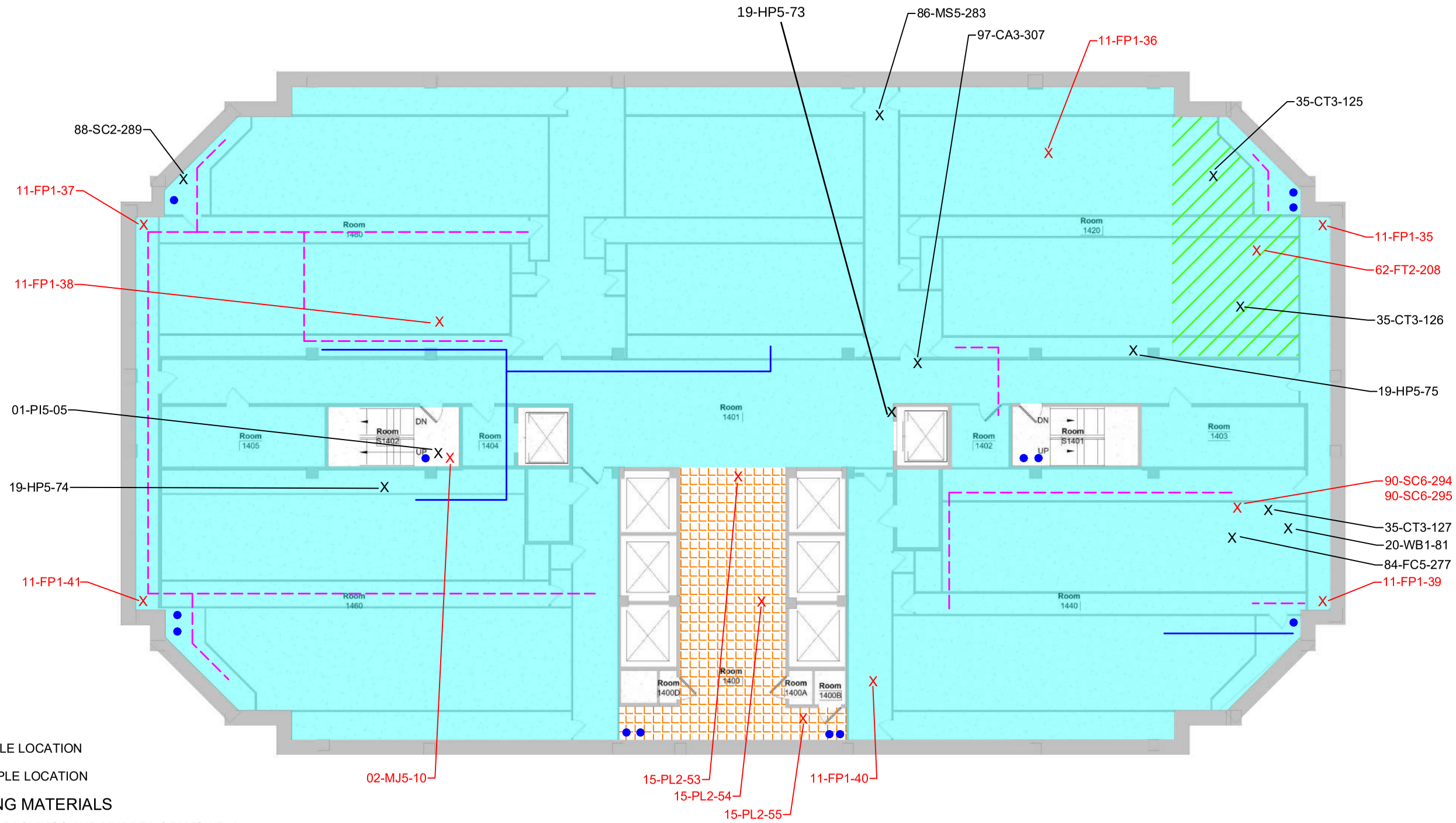
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - 13TH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 23

N



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING
- FLOOR TILE AND MASTIC
- ACOUSTIC CEILING PLASTER
- SPRAY APPLIED FIREPROOFING ON UPPER CEILING AND UPPER PERIMETER WALLS

NOTE: EXTERIOR WINDOW CAULKING (BOTTOM LAYER) CONTAINS ASBESTOS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

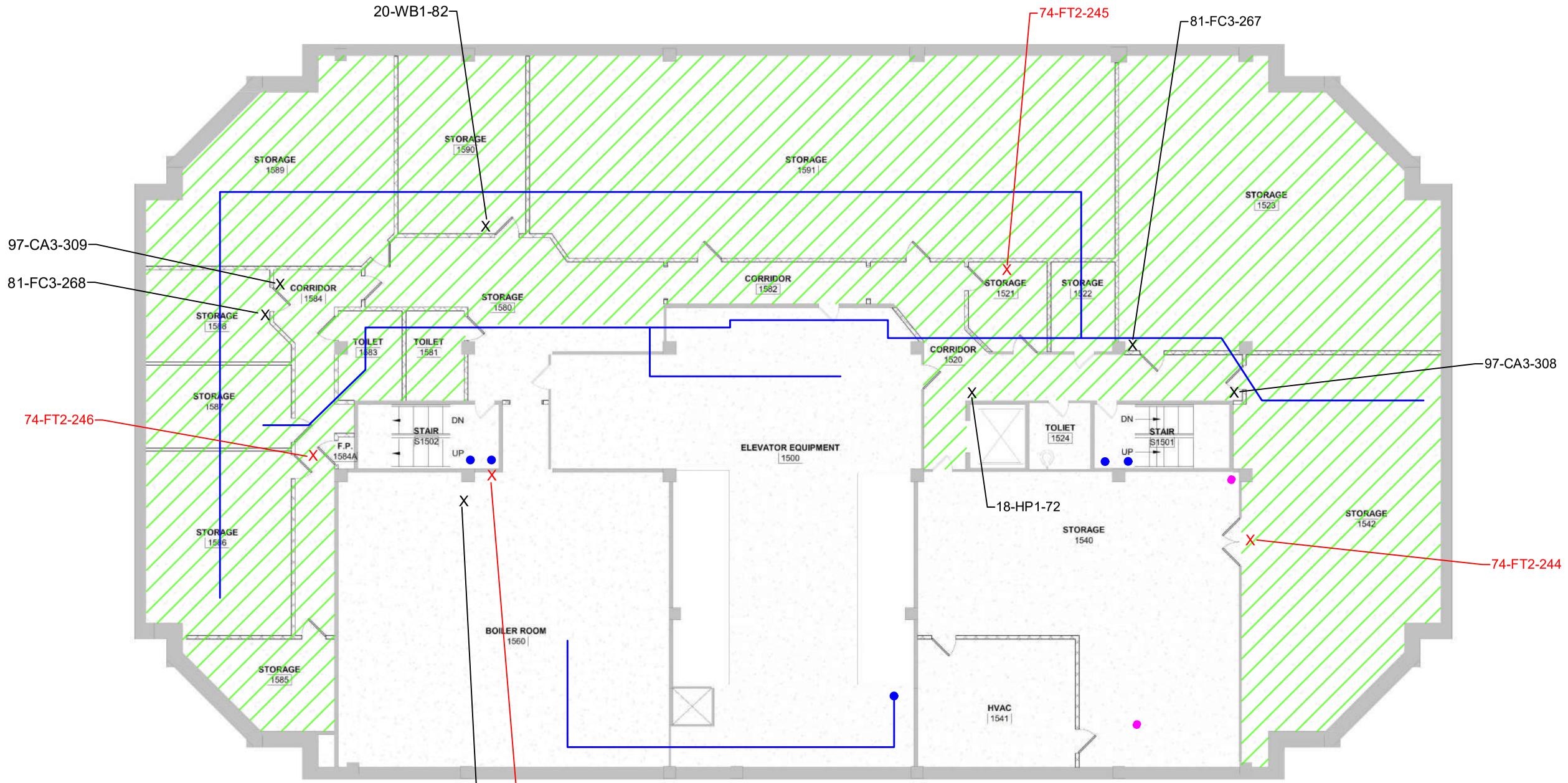
Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_20-26.DWG

Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH: (913) 492-7777 FAX: (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - 14H FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 24



SAMPLE LOCATION

X POSITIVE SAMPLE LOCATION

X NEGATIVE SAMPLE LOCATION

ASBESTOS CONTAINING MATERIALS

- MUDDED JOINT PACKINGS AND MUDDED SEAMS AT 3' INTERVALS WITH MINERAL WOOL PIPE INSULATION
- MUDDED JOINT PACKINGS WITH FIBERGLASS INSULATED PIPING
- FLOOR TILE AND MASTIC

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	PEF
Approved By:	FMR
Checked By:	TEE
Drawn By:	DBM
Project No.	02207156
Scale:	NOT TO SCALE
Date:	03/19/2021
File No.	02207156_20-26.dwg

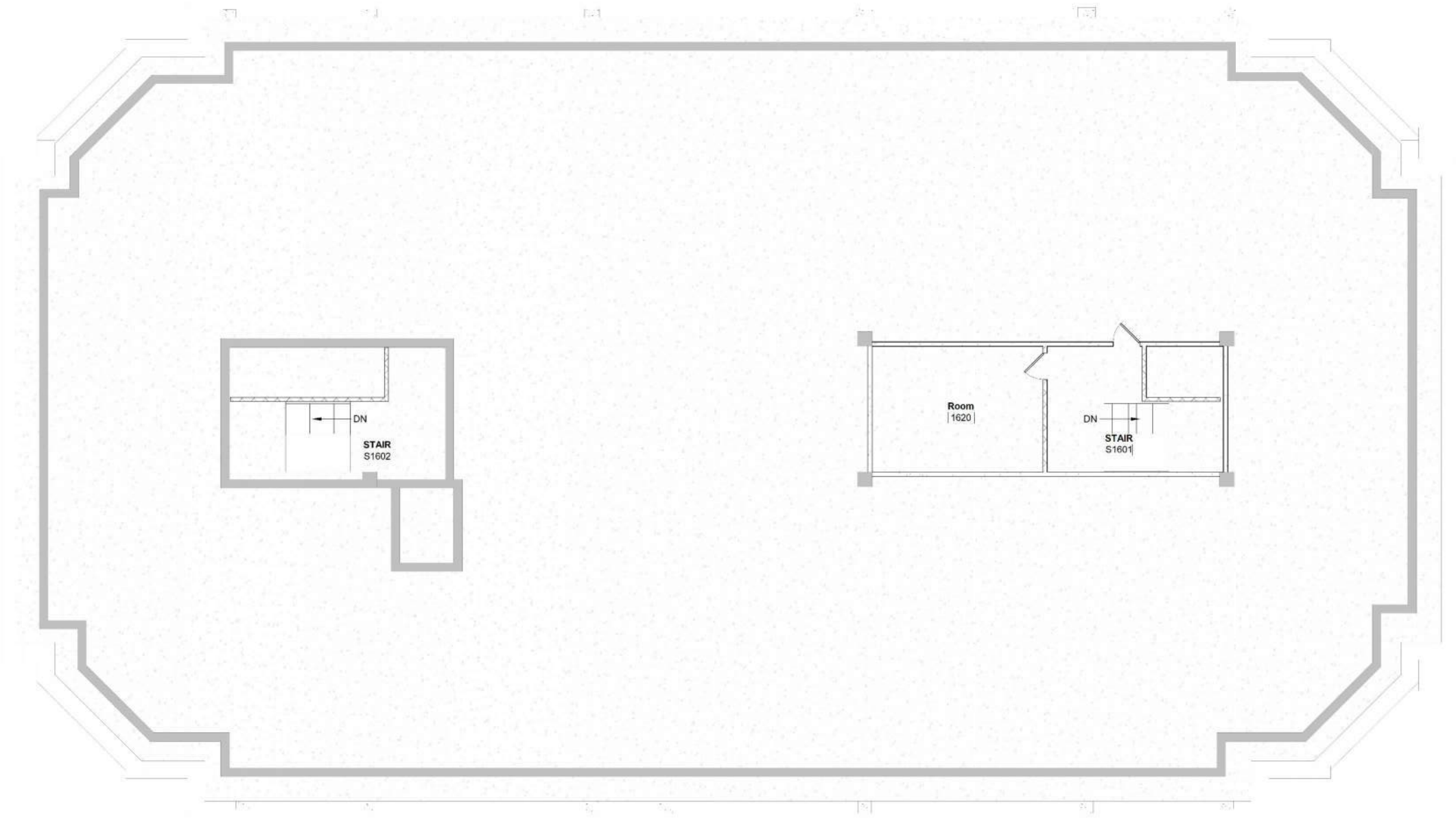
Terracon
Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

ASBESTOS CONTAINING MATERIALS LOCATION DIAGRAM - 15TH FLOOR

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT 25

N



LEGEND

X SAMPLE LOCATION

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	TEE
Approved By:	TEE
Checked By:	TEE
Drawn By:	DBM

Project No.	02207156
Scale:	NOT TO SCALE
Date:	02/24/2021
File No.	02207156_20-26.DWG

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Consulting Engineers and Scientists
15620 W 113TH STREET LENEXA, KS 66219
PH. (913) 492-7777 FAX. (913) 492-7443

SAMPLE LOCATION DIAGRAM - ROOF

JACKSON COUNTY COURTHOUSE
415 E 12TH STREET
KANSAS CITY, MISSOURI

EXHIBIT
26

APPENDIX G

HAZARDOUS MATERIAL INVENTORY

APPENDIX G

HAZARDOUS MATERIALS INVENTORY – QUANTITY ESTIMATES

Quantity of Potential Mercury-Containing Components		Quantity of Potential PCB Containing Equipment	Quantity of Potential Battery-Containing Equipment	Quantity of Potential CFC- Containing Equipment	Potential Radioactive Source Containing Equipment
Fluorescent Light Tubes	Thermometers and Thermostat Switches	Fluorescent Light Ballasts	Exit Signs and Emergency Lighting		
9,002	44	4571	110	1	0

APPENDIX H

INSPECTOR CERTIFICATIONS/LICENSES

CERTIFICATION NUMBER:

7113103020MOIR3337

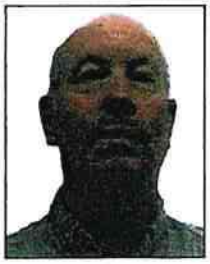
THIS CERTIFIES

Timothy E Easley

HAS COMPLETED THE CERTIFICATION

REQUIREMENTS FOR

Inspector



APPROVED: **11/10/2020**

EXPIRES: **11/10/2021**

TRAINING DATE: **10/30/2020**

Director of Air Pollution Control Program

The holder of this card is certified to conduct the specified occupation in conjunction with an asbestos abatement project under the certification requirements, in RSMo. 10 CSR 10-6.250.

It is unlawful for any person to use this card other than the individual to whom it is issued or in any manner inconsistent with the law.

Violations of Missouri State Rule 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants," which adopts by reference 40 CFR. Part 61, Subpart M, the "National Emission Standards for Asbestos," are subject to fines of not more than $10,000 per day per violation. This Missouri State Certification is subject to review and the director may deny, suspend or revoke this certification per RSMo. chapter 643.230.

If found, please return to:

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102
Phone: (573)751-4817 Fax:(573)751-2706
www.dnr.mo.gov/env/apcp

CERTIFICATION NUMBER:

7113103020MOIRO19222

THIS CERTIFIES

Blake E. Harris

HAS COMPLETED THE CERTIFICATION REQUIREMENTS FOR

Inspector



APPROVED: **11/17/2020**

EXPIRES: **11/17/2021**

TRAINING DATE: **10/30/2020**

Director of Air Pollution Control Program

CERTIFICATION NUMBER:

7113111920MOIR17957

THIS CERTIFIES

AmberLee D O'Brien

HAS COMPLETED THE CERTIFICATION REQUIREMENTS FOR

Inspector



APPROVED: **12/10/2020**

EXPIRES: **12/10/2021**

TRAINING DATE: **11/19/2020**

Director of Air Pollution Control Program