

Laser Scanning Old Indianapolis City Hall

Link to Live Model: <https://mapp3dsolutions.com/laser-scanning-old-indianapolis-city-hall/>

Overview of Mapp3D’s Laser Scanning of Old Indianapolis City Hall

Mapp3D conducted a full-building laser scanning initiative to support the renovation and redevelopment of Old Indianapolis City Hall. The 100,000-square-foot historic structure was digitally captured using a coordinated workflow of tripod-based and handheld Leica scanners, producing a dense, highly accurate point cloud used to generate detailed Revit models and CAD drawings.

Exterior facades, the main lobby and stair systems, and all interior floors were scanned and linked through predetermined connection points to ensure accuracy within a quarter inch. Despite challenges such as limited lighting and the processing of more than 200 GB of scan data, the team completed field work in a single day and delivered a reliable, comprehensive digital model within two weeks.

The resulting documentation provided architects with the precision necessary to integrate modern redevelopment into the historic building envelope. Compared to traditional hand-measurement—often requiring weeks of fieldwork and multiple site revisits—the laser scanning approach significantly reduced time, cost, and potential errors, offering a robust foundation for planning, design, and construction coordination.

Floor Plans/Elevations Overview

The following floor plans are derived from Mapp3D’s comprehensive laser scan of Old Indianapolis City Hall. Using high-accuracy point-cloud data captured throughout the building, these plans represent the current conditions of each level with precise dimensional reliability. They are intended to support respondents in evaluating the building’s existing layout, structural organization, and spatial opportunities as part of the redevelopment proposal process.

Company Overview:

At MAPP3DSolutions, we are dedicated to delivering exceptional accuracy and efficiency. Our innovative 3D laser scanning technology captures every detail, ensuring your projects are completed with unparalleled precision. Trust us to provide the reliable data you need for successful project outcomes.

Contact Us:

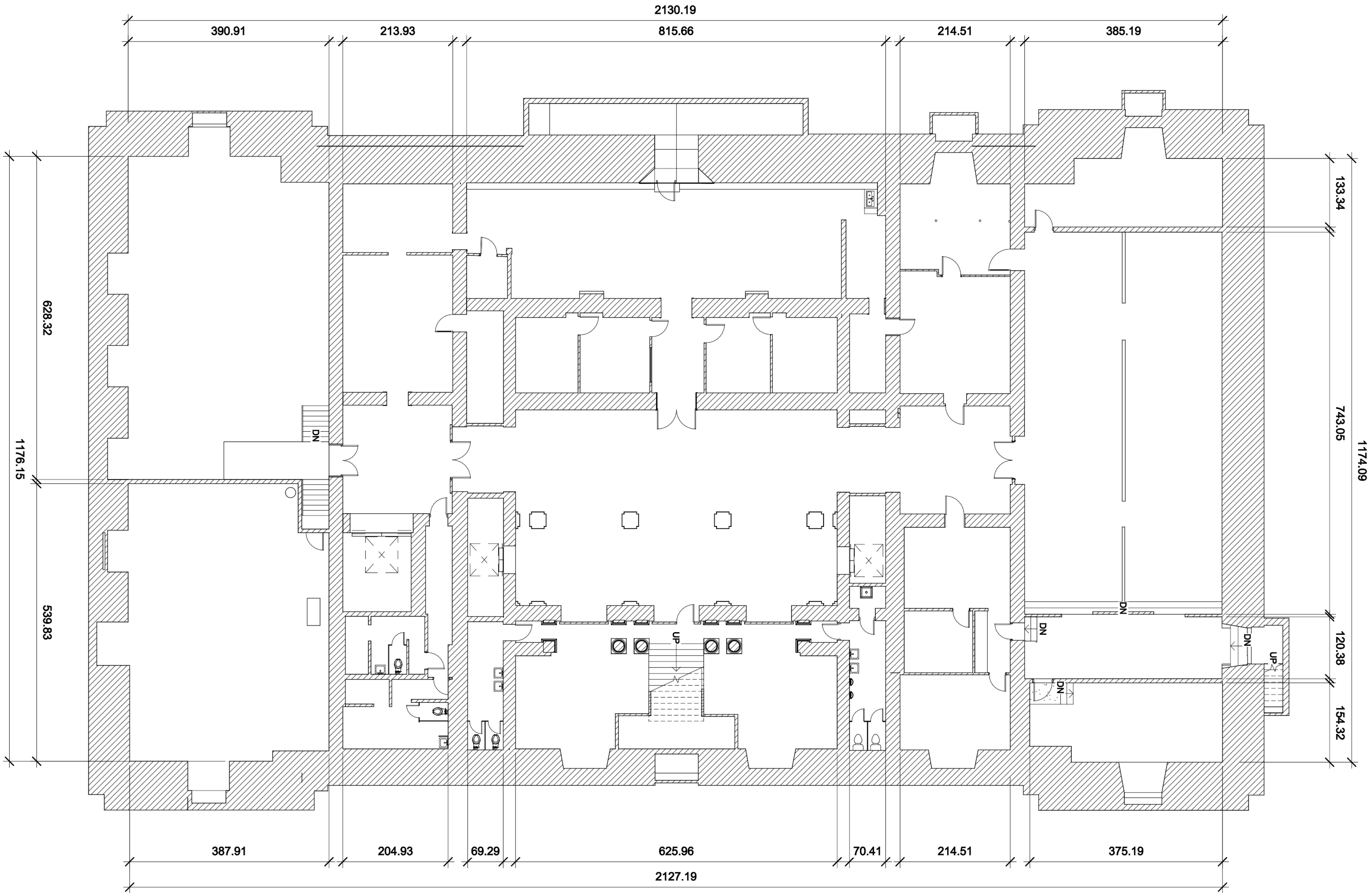
MAPP3DSolutions

Address:

8770 Commerce Park Place Ste F

Indianapolis, IN 46268

Phone: 317-210-3466



FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toilet	
3	Bathroom Sink	
4	Utility Sink	
5	Kitchen Sink	
6	Lift Elevator	

Old City Hall

202 Alabama St, Indianapolis, IN 46204

Basement Floorplan

DATE

DESCRIPTION

DRAWN BY

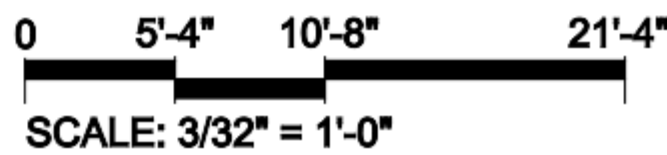
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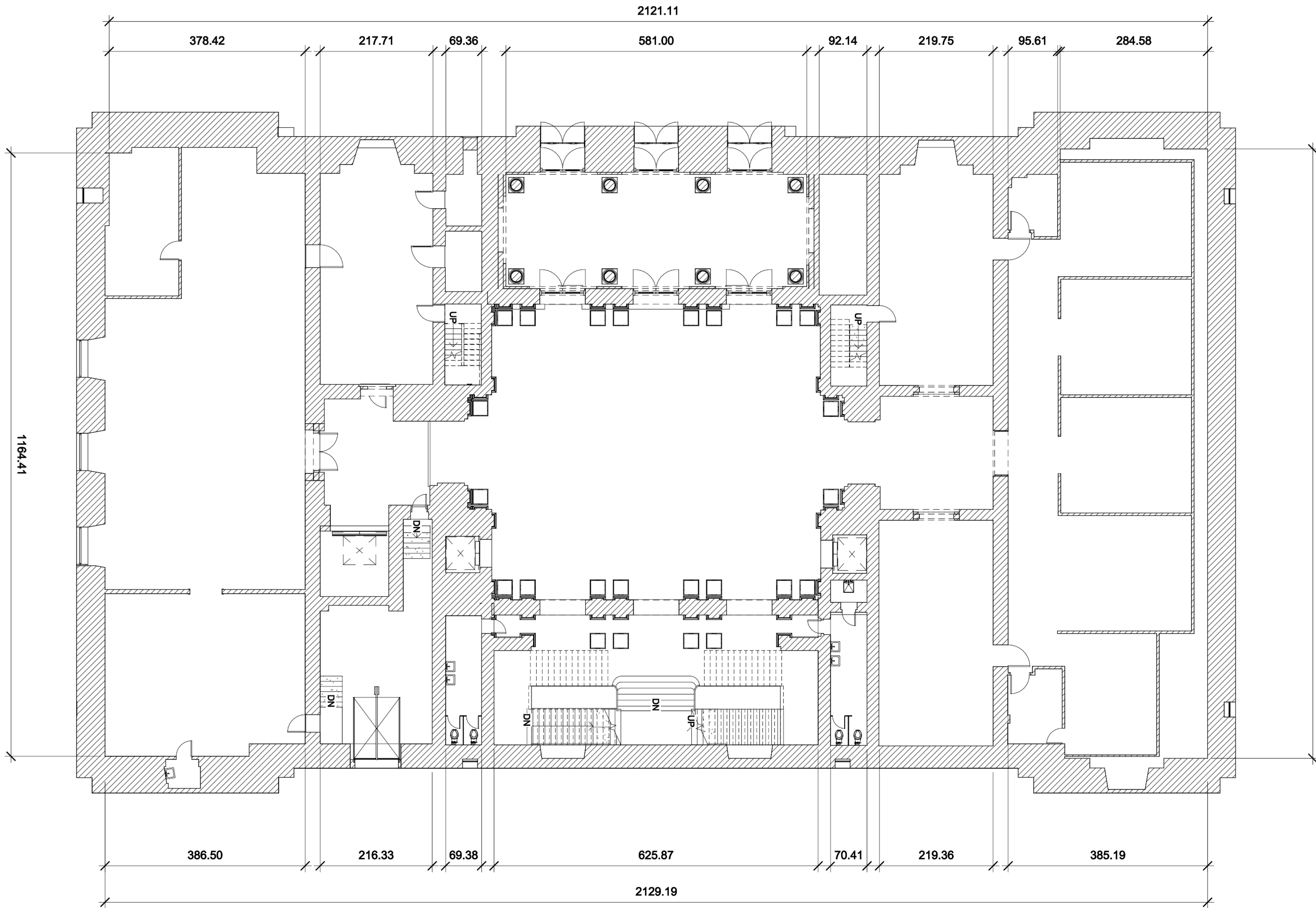
ISSUED DATE

PROJECT NAME

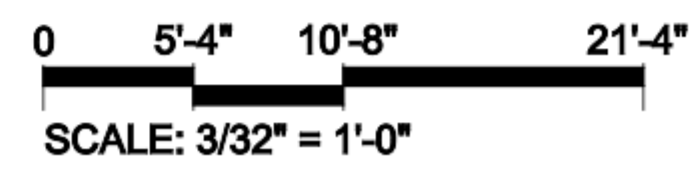
SHEET NUMBER

A1.00





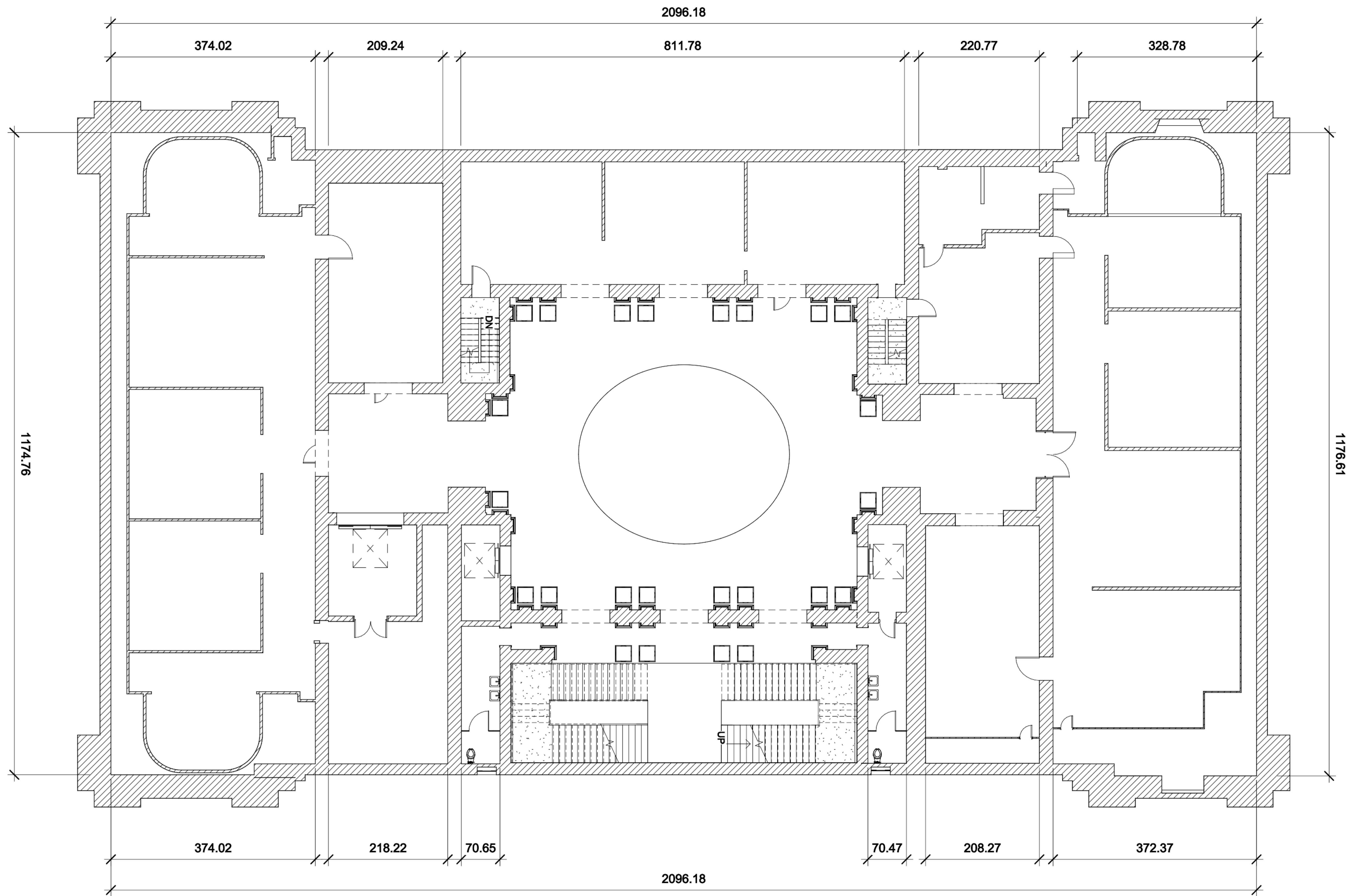
FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toilet	
3	Bathroom Sink	
4	Utility Sink	
5	Kitchen Sink	
6	Lift Elevator	



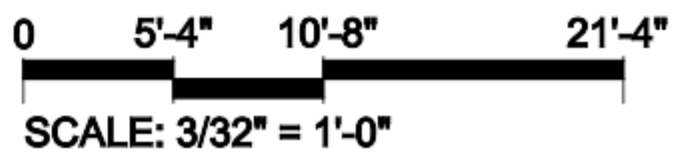
Old City Hall
202 Alabama St, Indianapolis, IN 46204
First Floor Floorplan

DATE
DESCRIPTION

DRAWN:
CHECKED:
ISSUED:
DATE: 02/09/23
PROJECT: Old City Hall
SHEET NUMBER
A1.01



FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toilet	
3	Bathroom Sink	
4	Utility Sink	
5	Kitchen Sink	
6	Lift Elevator	



Old City Hall

202 Alabama St, Indianapolis, IN 46204

Second Floor Floorplan

DATE									
DESCRIPTION									

DRAWN BY:

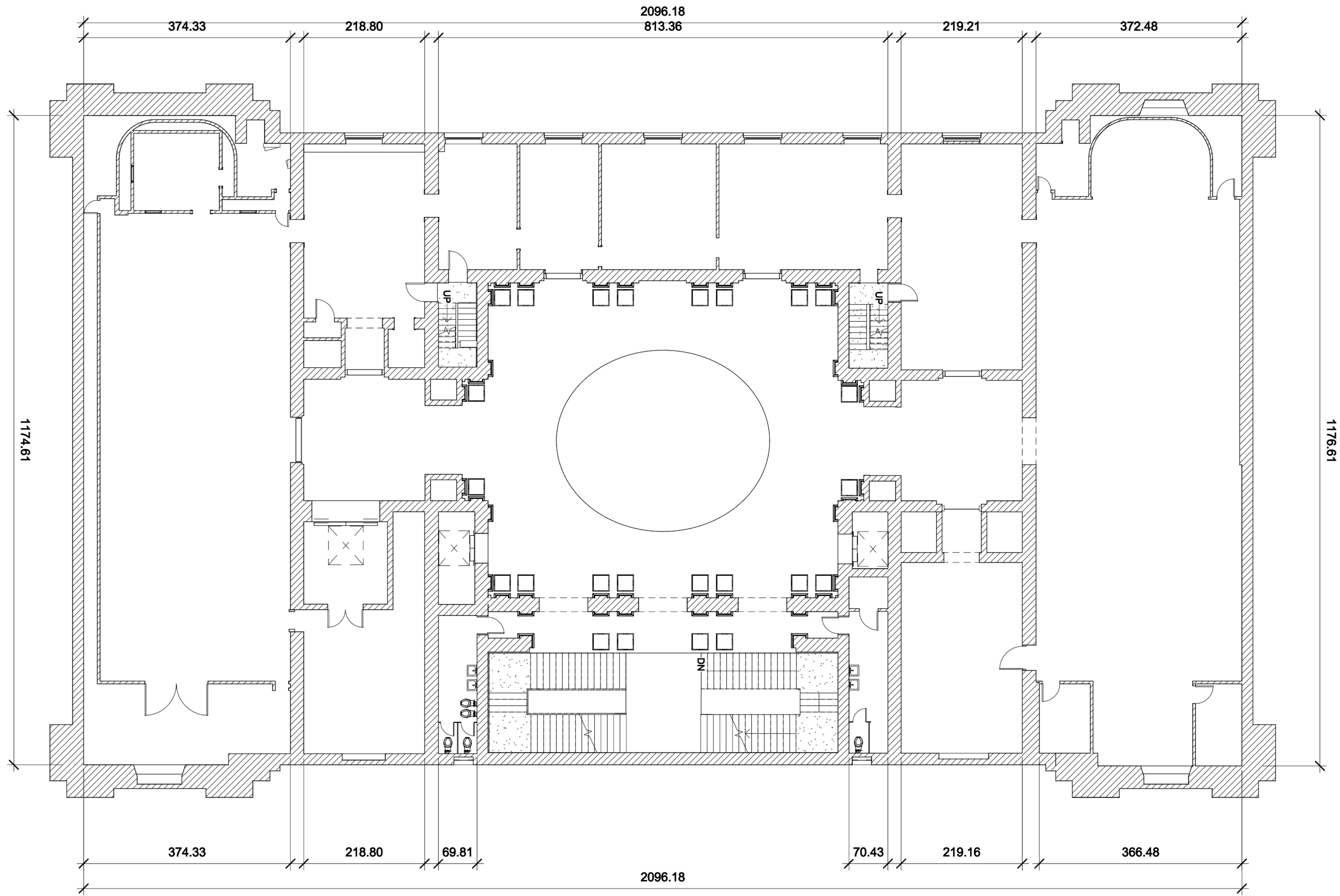
CHECKED BY:

ISSUED DATE: 02/09/23

PROJECT: Old City Hall

SHEET NUMBER

A1.02



FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toilet	
3	Bathroom Sink	
4	Utility Sink	
5	Kitchen Sink	
6	Lift Elevator	

0 5'-4" 10'-8" 21'-4"
SCALE: 3/32" = 1'-0"

Old City Hall
202 Alabama St, Indianapolis, IN 46204
Third Floor Floorplan

DRA
W :

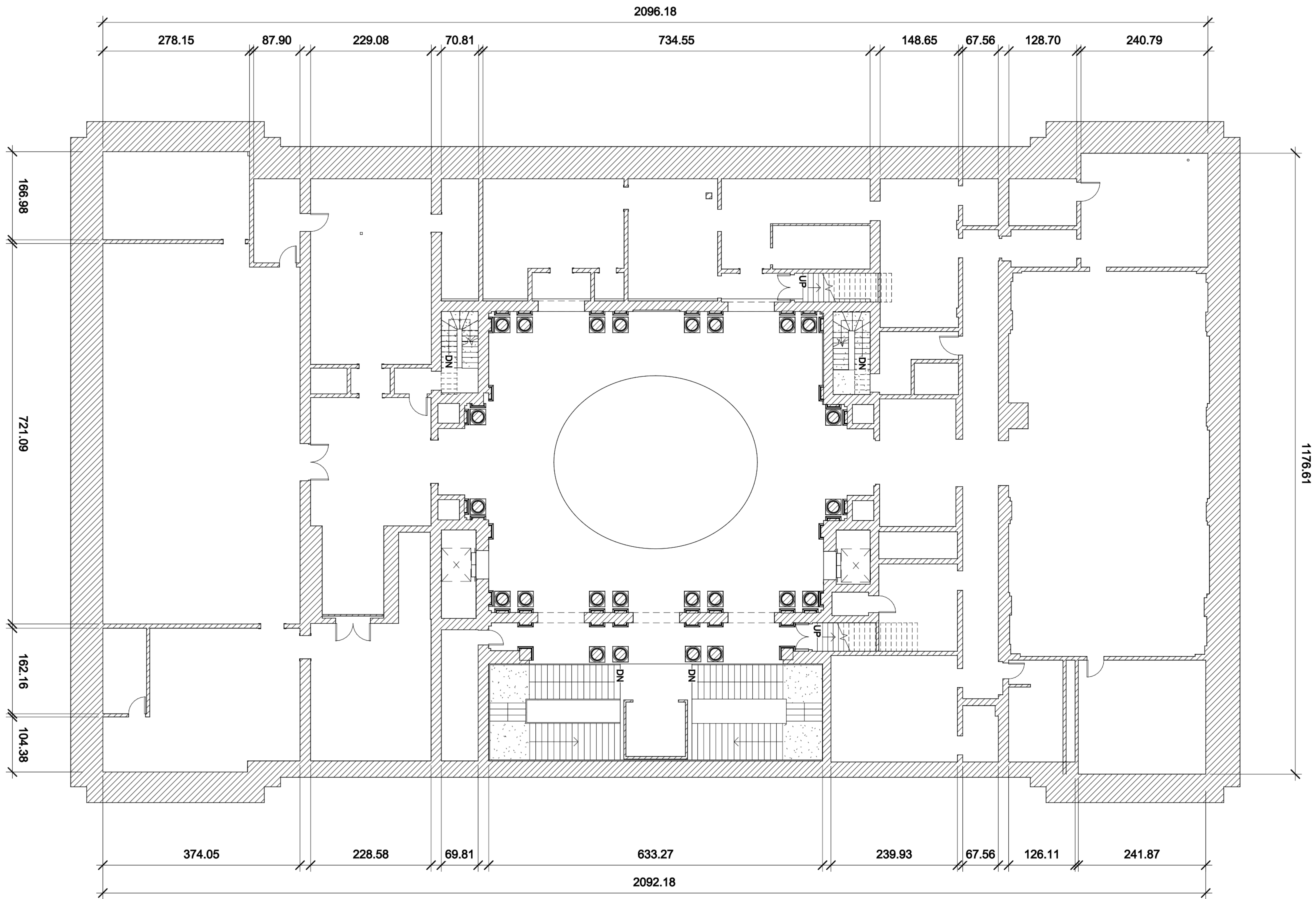
CHECK
ED:

ISSUE
DATE: 12/20/23

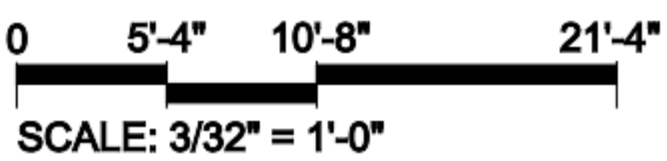
PROJE
Old City Hall

SHEET NUMBER
A1.03

DATE
DESCRIPTION



FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toliet	
3	Bathroom Sink	
4	Utlility Sink	
5	Kitchen Sink	
6	Lift Elevator	



Old City Hall

202 Alabama St, Indianapolis, IN 46204

Forth Floor Floorplan

DATE									
DESCRIPTION									

DRAWN:

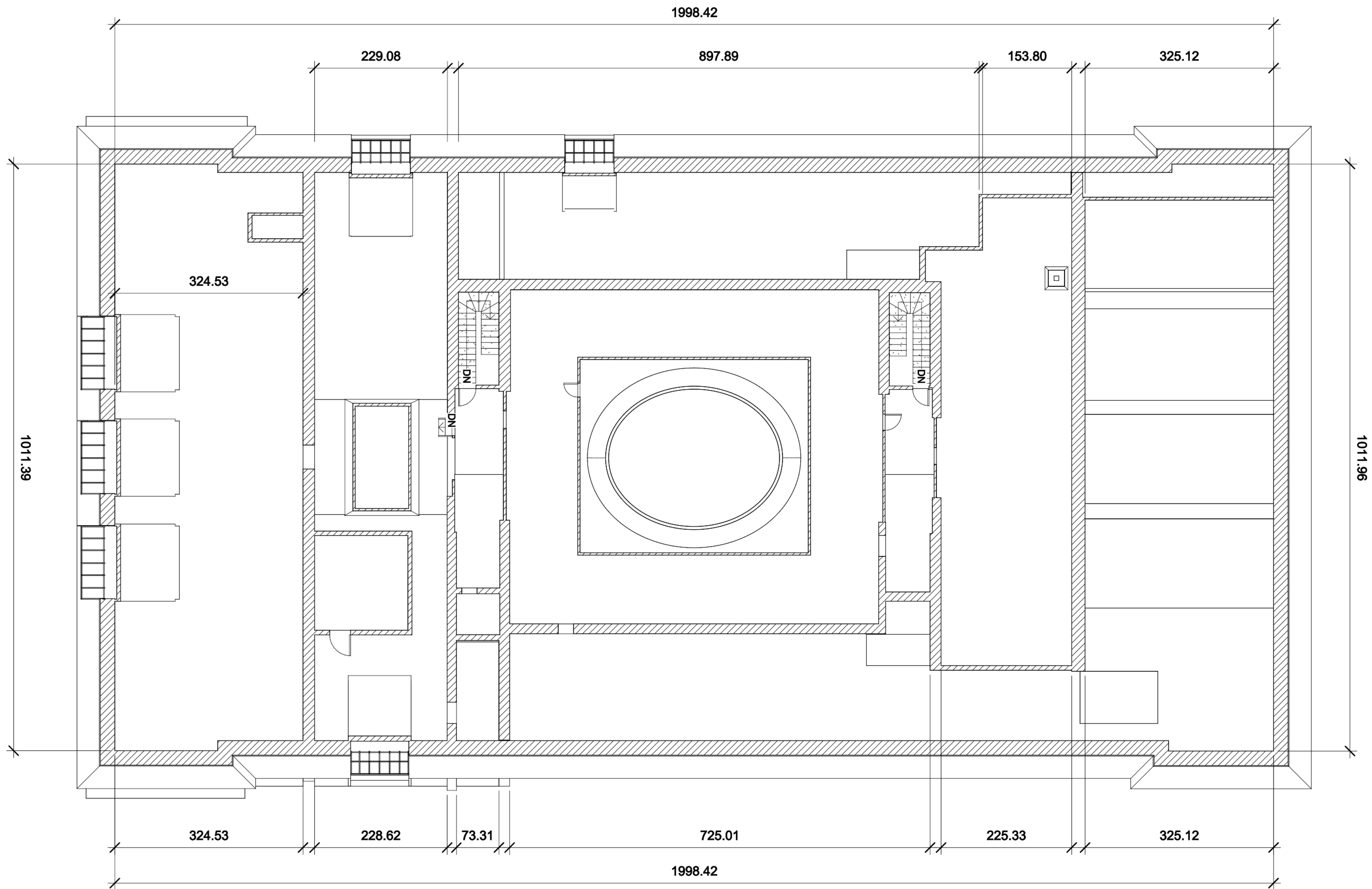
CHECKED:

ISSUED:
DATE: 12/20/23

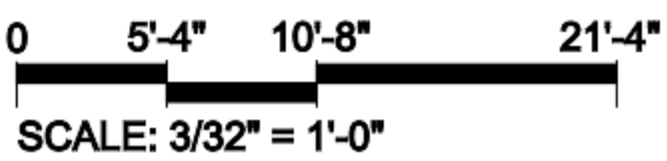
PROJECT:
Old City Hall

SHEET NUMBER

A1.04



FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toilet	
3	Bathroom Sink	
4	Utility Sink	
5	Kitchen Sink	
6	Lift Elevator	



Old City Hall

202 Alabama St, Indianapolis, IN 46204

Fifth Floor Floorplan

DATE									
DESCRIPTION									

DRAWN:

CHECKED:

ISSUED:

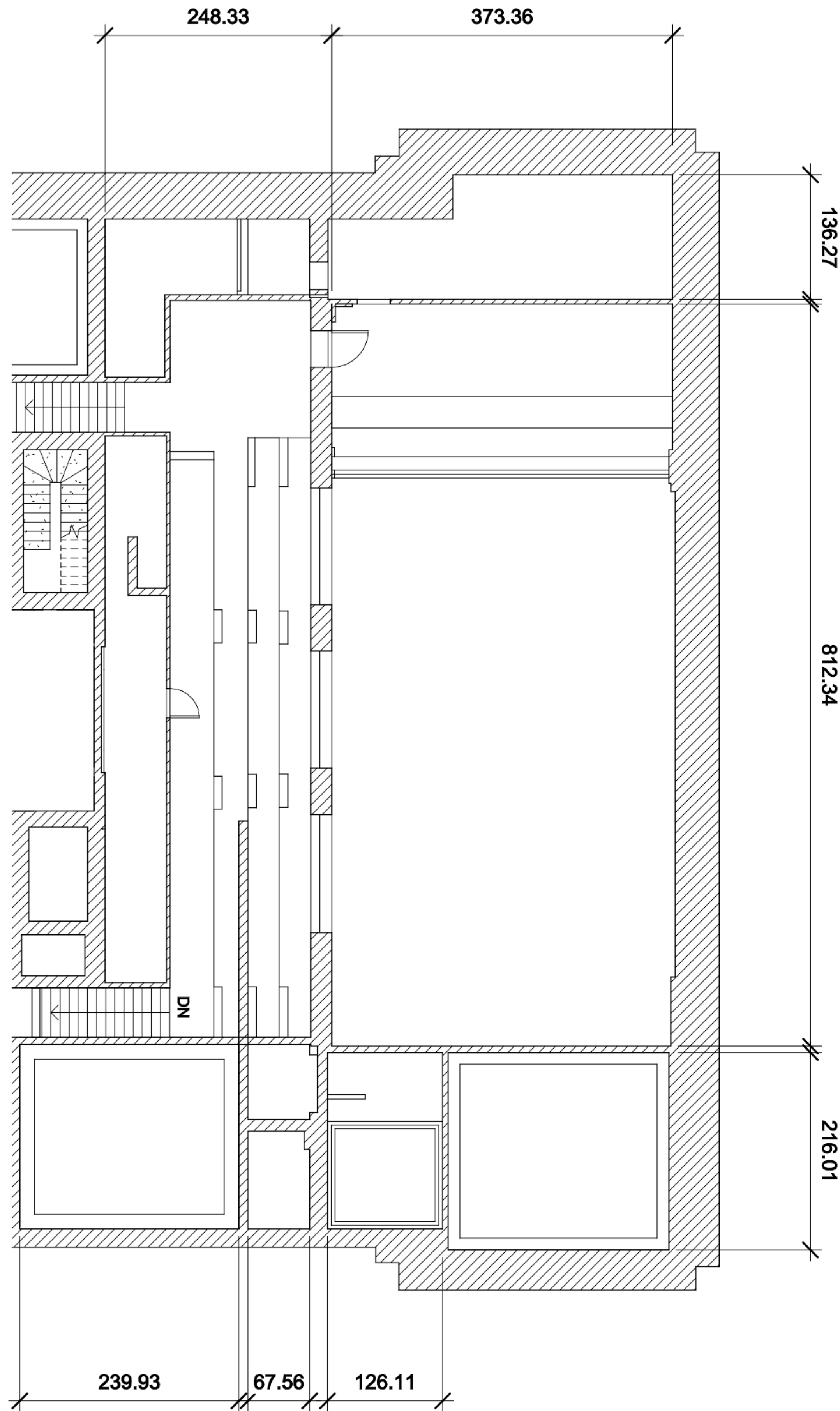
DATE:

PROJECT:

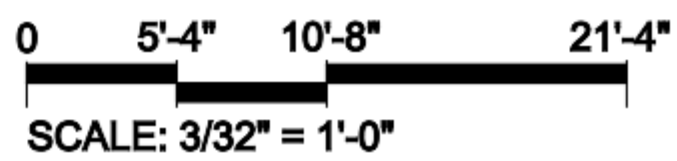
Old City Hall

SHEET NUMBER

A1.06



FUNITURE LEGEND		
S.No.	COMPONENT	SYMBOL
1	Men Urinal	
2	Toilet	
3	Bathroom Sink	
4	Utility Sink	
5	Kitchen Sink	
6	Lift Elevator	



Old City Hall
202 Alabama St, Indianapolis, IN 46204
Attic Floorplan

DRA
W :

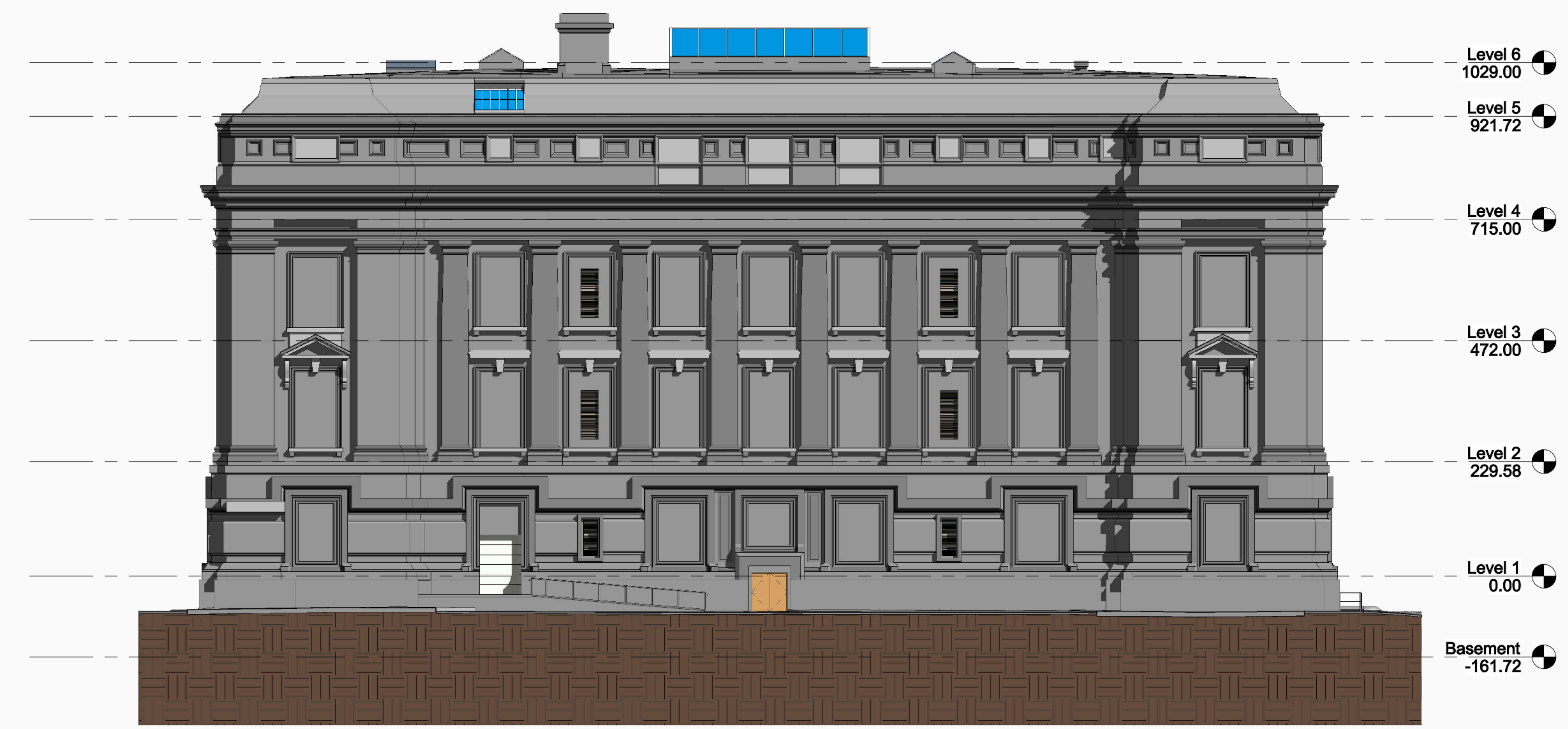
CHECK
ED:

ISSUE
DATE:
12/20/23

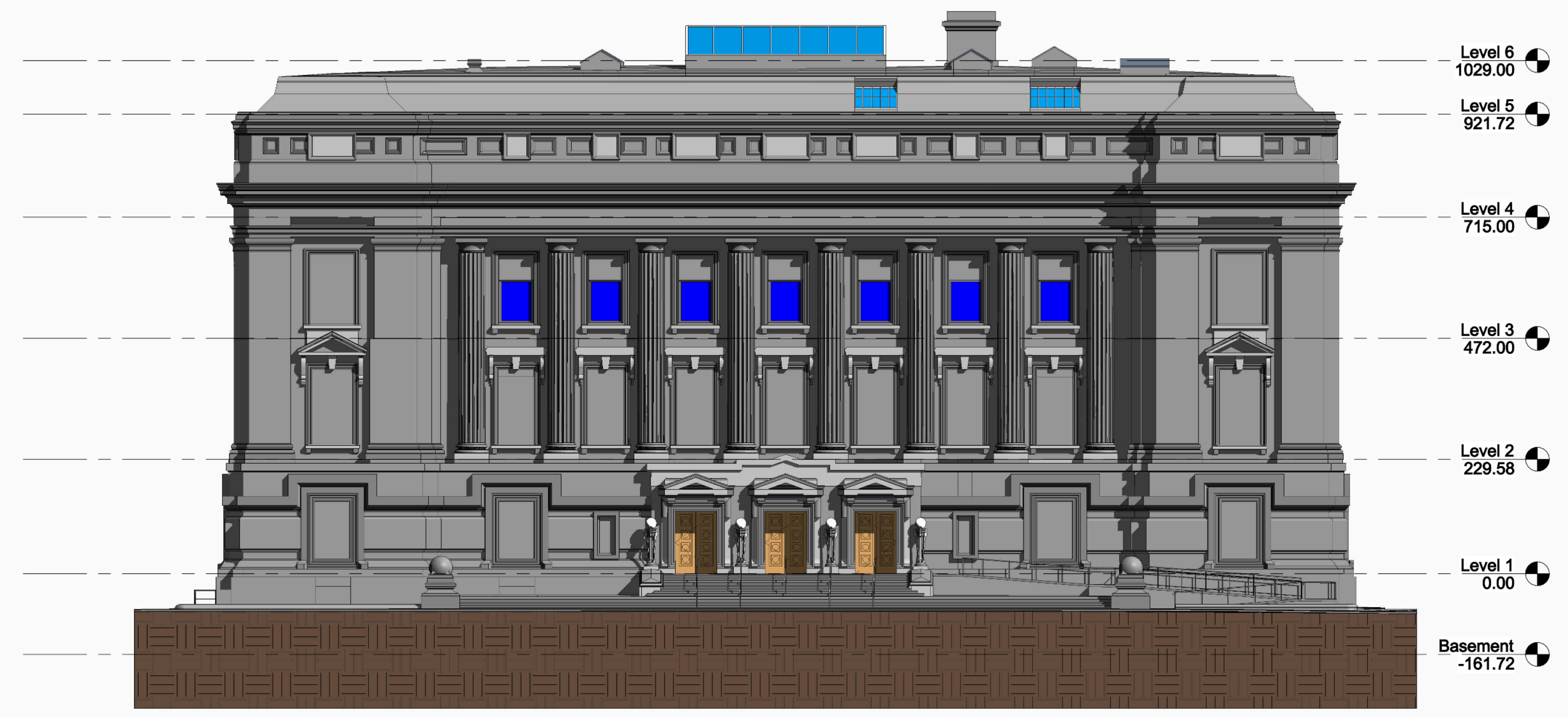
PROJE
Old City Hall

SHEET NUMBER
A1.05

DATE									
DESCRIPTION									



① East
1/16" = 1'-0"



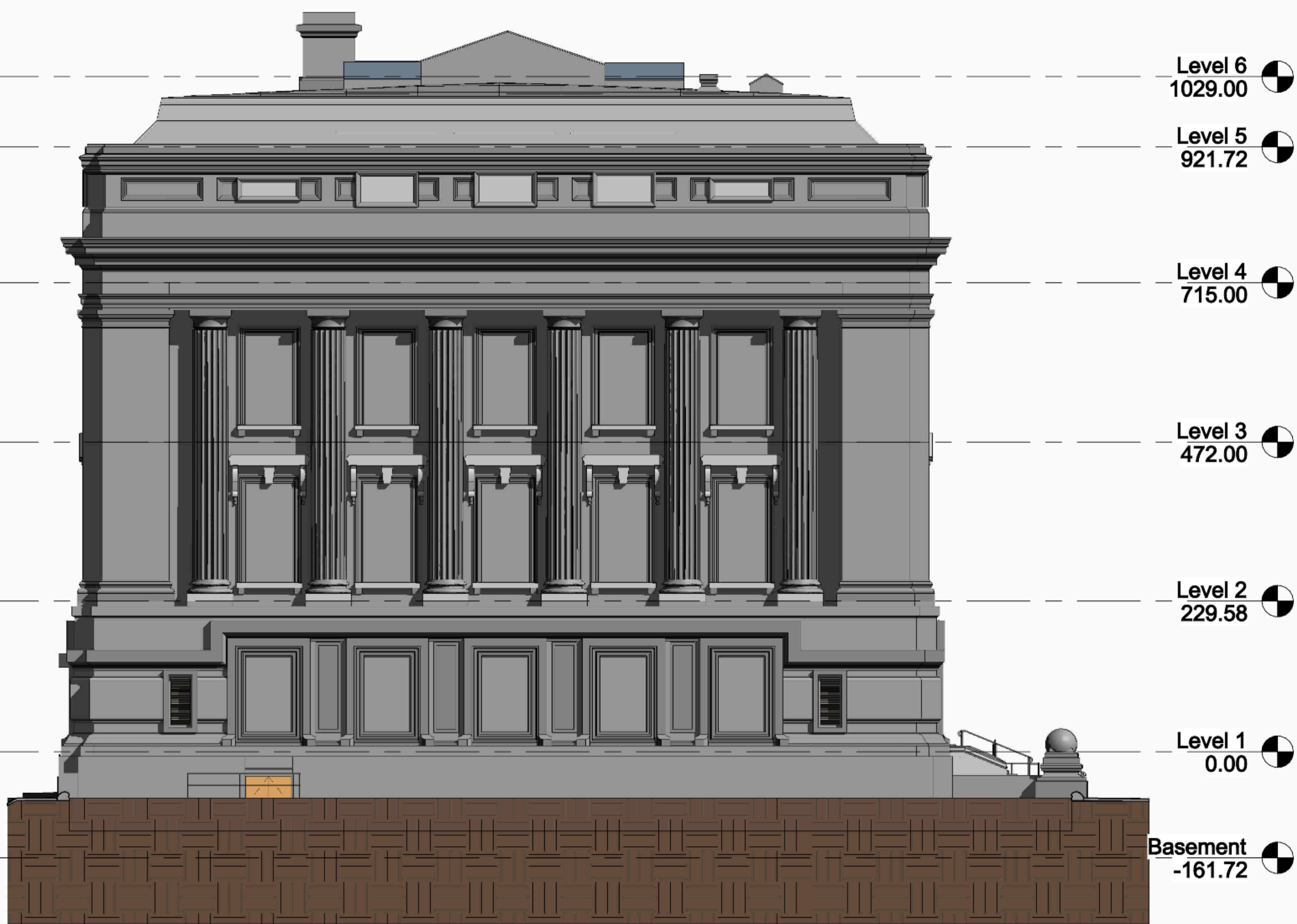
② West
1/16" = 1'-0"

0 8'-0" 16'-0" 32'-0"
SCALE: 1/16" = 1'-0"

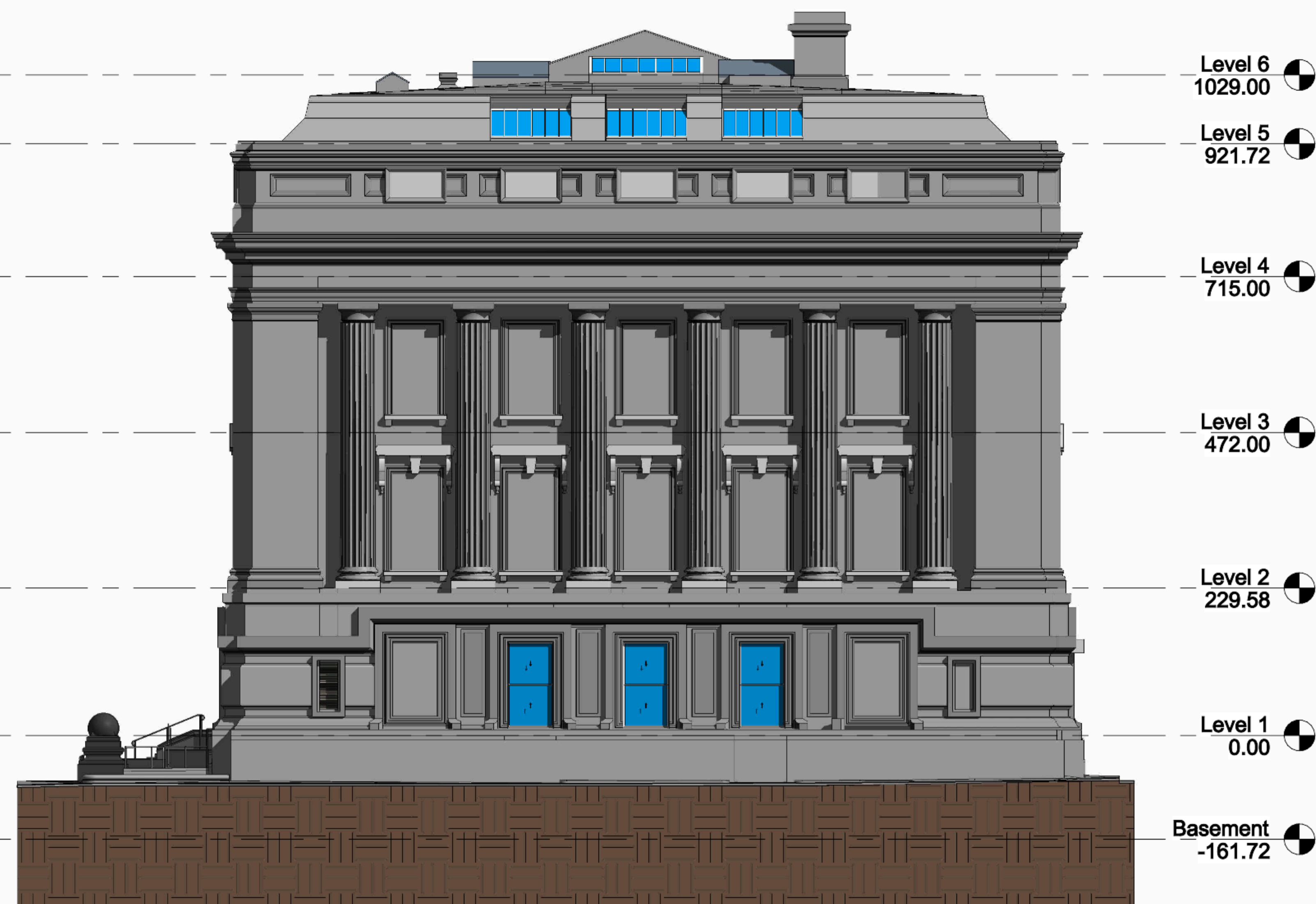
Old City Hall
202 Alabama St, Indianapolis, IN 46204
Elevations East & West

DESCRIPTION	DATE				

DRAWN:
CHECKED:
ISSUED:
DATE: 04/25/23
PROJECT: Old City Hall
SHEET NUMBER
A2.01



① North
1/16" = 1'-0"



② South
1/16" = 1'-0"

0 8'-0" 16'-0" 32'-0"
SCALE: 1/16" = 1'-0"

Old City Hall
202 Alabama St, Indianapolis, IN 46204
Elevations South & North

DESCRIPTION	DATE								

DRAWN:
CHECKED:
ISSUED:
DATE: 04/25/23
PROJECT: Old City Hall

SHEET NUMBER
A2.02