

ARCHITECT OF RECORD:

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Savannah, GA, 31401
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SHEET LIST

SHEET NUMBER	SHEET NAME
G000	COVER SHEET
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G102	HISTORIC PHOTOGRAPHS
G103	EXISTING CONDITIONS PHOTOGRAPHS
D202	SOUTH & WEST SELECTIVE DEMOLITION ELEVATIONS
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301 W. BAY STREET

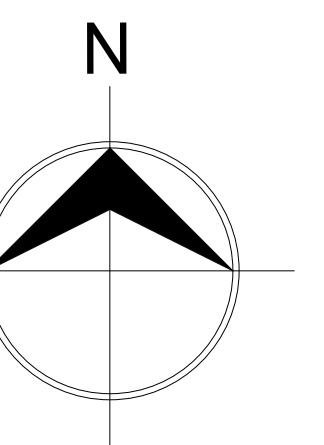
301 W. BAY STREET

301 W. Bay Street, Savannah GA, 31401

301 W. BAY

PROJECT ADDRESS

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SUBMITTAL
REHAB &
ALTERATIONS**



REVISIONS

Date	#	Description

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COVER SHEET

Job No. 2207
Date October 13, 2022
Reviewed by GMSHAY

G000



THE FOLLOWING UNITED NATIONS SUSTAINABLE DEVELOPMENT GOAL TARGETS WILL BE FOSTERED BY THE PROPOSED IMPROVEMENTS. FOR ADDITIONAL INFORMATION ABOUT THESE GOALS PLEASE CONTACT GMSHAY ARCHITECTS.

GOALS USED - 6, 7, 12

6.3 BY 2030, IMPROVE WATER QUALITY BY REDUCING POLLUTION, ELIMINATING DUMPING AND MINIMIZING RELEASE OF HAZARDOUS CHEMICALS AND MATERIALS, HALVING THE PROPORTION OF UNTREATED WASTEWATER AND SUBSTANTIALLY INCREASING RECYCLING AND SAFE REUSE GLOBALLY
6.4 BY 2030, SUBSTANTIALLY INCREASE WATER-USE EFFICIENCY ACROSS ALL SECTORS AND ENSURE SUSTAINABLE WITHDRAWALS AND SUPPLY OF FRESHWATER TO ADDRESS WATER SCARCITY AND SUBSTANTIALLY REDUCE THE NUMBER OF PEOPLE SUFFERING FROM WATER SCARCITY
7.3 BY 2030, DOUBLE THE GLOBAL RATE OF IMPROVEMENT IN ENERGY EFFICIENCY
12.5 BY 2030, SUBSTANTIALLY REDUCE WASTE GENERATION THROUGH PREVENTION, REDUCTION, RECYCLING AND REUSE
12.8 BY 2030, ENSURE THAT PEOPLE EVERYWHERE HAVE THE RELEVANT INFORMATION AND AWARENESS FOR SUSTAINABLE DEVELOPMENT AND LIFESTYLES IN HARMONY WITH NATURE





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**CONTEXT
PHOTOGRAPHS**

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301 W. BAY EXTERIOR - 1930



JEFFERSON STREET & BRYAN STREET INTERSECTION - 1945



301 W. BAY EXTERIOR - 1974



NORTH FACING VIEW FROM JEFFERSON STREET - CIRCA 1980s

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**HISTORIC
PHOTOGRAPHS**



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**EXISTING
CONDITIONS
PHOTOGRAPHS**

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REFER TO KEY NOTE 3



REFER TO KEY NOTES 7 & 12
REPOINT NON-HISTORIC BRICK



REFER TO KEY NOTE 5



REFER TO KEY NOTES 2 & 8



REFER TO KEY NOTES 7 & 12
REPLACE EXISTING SIDEWALK GRATING



REFER TO KEY NOTES 7 & 12
REPOINT BRICK



PROPOSE WIDENING OF EXISTING SIDEWALK TO CITY OF SAVANNAH
REPLACE EXISTING SIDEWALK GRATING



1 North - Demolition Elevation
D201 3/16" = 1'-0"



2 East - Demolition Elevation
D201 3/16" = 1'-0"

Date	#	Description

GRAPHIC LEGEND

- RED DASH DOT DOT DENOTES AREAS WITH PARTIAL DEMOLITION. REFER TO DRAWINGS AND DEMOLITION KEY FOR FURTHER INFORMATION.
- RED LINE DENOTES EXISTING BUILDING CRACKS IN MASONRY TO BE REPAIRED.
- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- REFER TO SELECTIVE DEMOLITION KEY NOTE

SELECTIVE DEMOLITION KEY NOTES

1 REMOVE WOOD PANEL COVERING BRICK ARCH OPENING	5 DEMOLISH EXISTING (NON-HISTORIC) TRANSOM, BRICK, DOOR & TRIM	9 REMOVE EXISTING (NON-HISTORIC) RAILING	13 REMOVE AND REFURBISH EXISTING SHUTTERS AND HARDWARE
2 REMOVE EXISTING NON-HISTORIC CANOPY AND FRAME	6 REMOVE EXISTING DOWNSPOUTS AND SCUPPERS	10 REMOVE METAL COPING	14 REMOVE BRICK TO CREATE OPENING IN WALL
3 REMOVE EXISTING SHUTTERS, WINDOW, TRANSOM, FRAME, SILL AND NON-HISTORIC BRICK BELOW TO CREATE DOOR OPENING	7 REMOVE EXISTING WOOD PANEL AND/OR EXTRANEIOUS ITEMS	11 SOUND OUT EXISTING STUCCO THEN REMOVE AND REPLACE ALL DETERIORATED AREAS. PREP AND PAINT ALL STUCCO SURFACES	
4 EXISTING (NON-HISTORIC) METAL ROOFING TO BE REFURBISHED OR REPLACED IN KIND	8 REMOVE NON-HISTORIC STORFRONT AND DOORS	12 EXISTING NON-HISTORIC WINDOWS TO BE REFURBISHED. (SEE A201 - A202)	



REFER TO KEY NOTES 4 9 10 11 & 12



REFER TO KEY NOTES 7 12 & 13
REPOINT BRICK



REFER TO KEY NOTES 6 8 & 9
REPLACE DAMAGED EXISTING DECK



REFER TO KEY NOTE 3



REFER TO KEY NOTE 1
REPAIR BRICK @ BASE OF OPENING



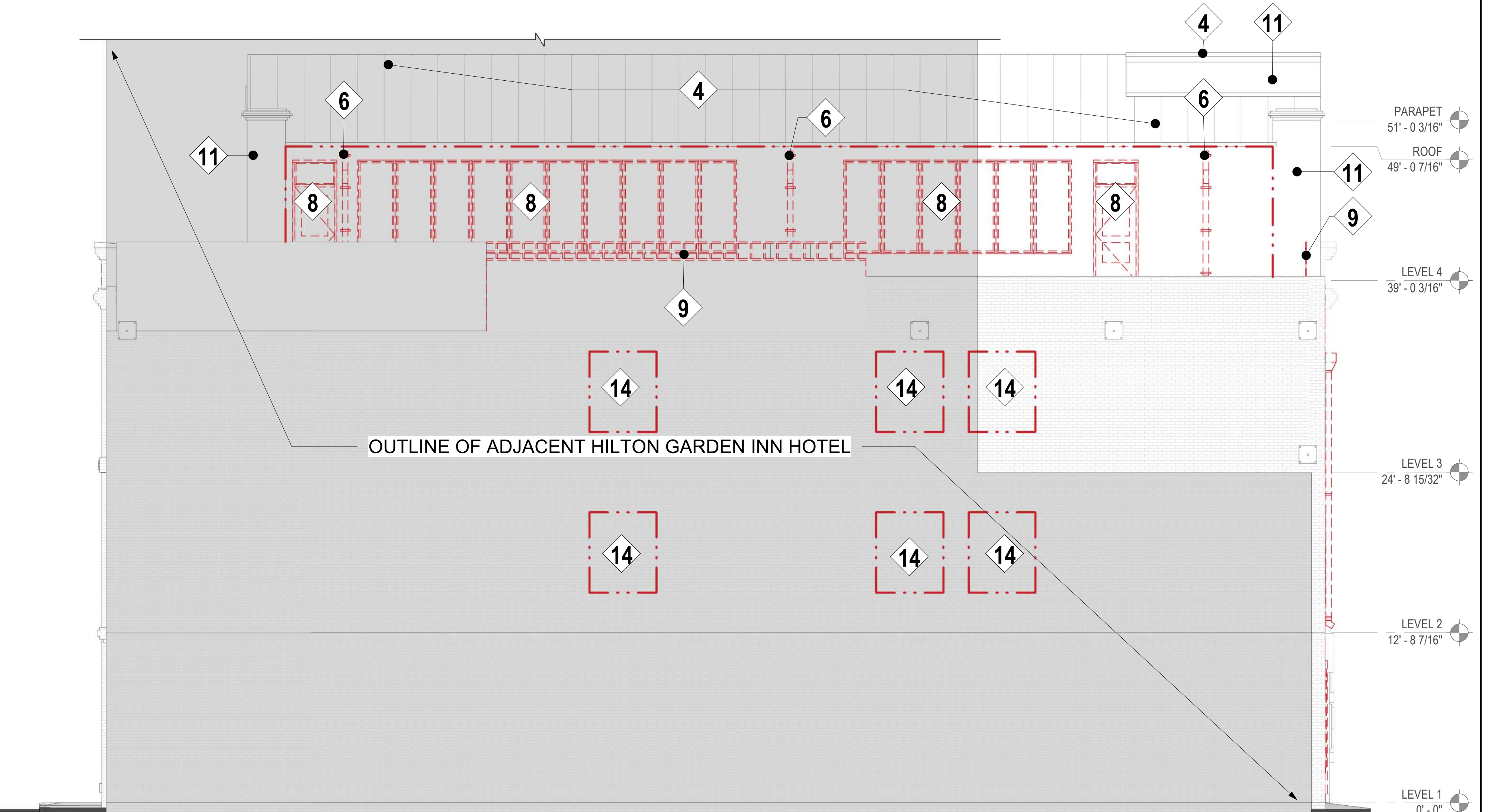
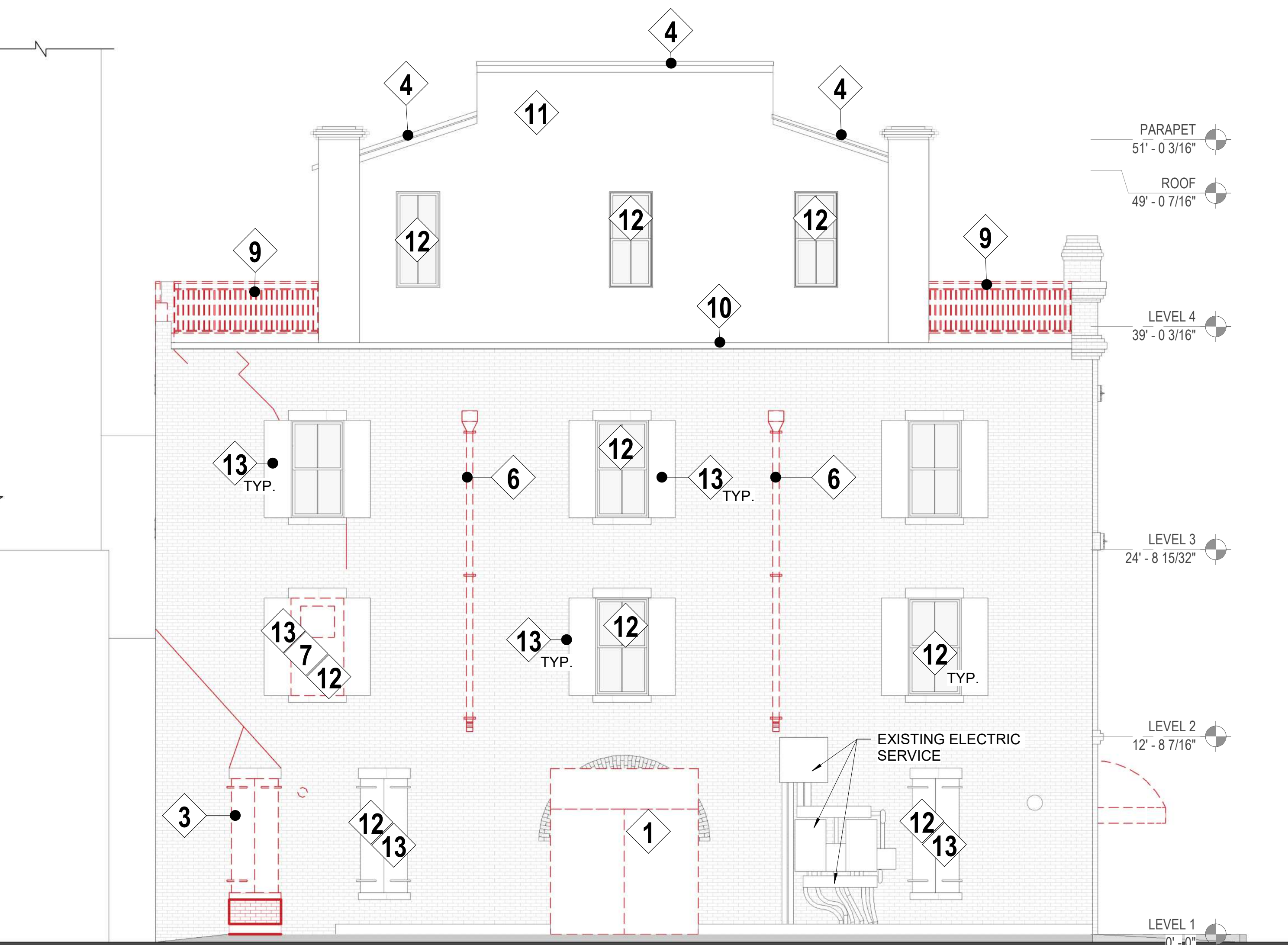
EXISTING ELECTRIC SERVICE



EXISTING CONDITION AT NORTH-WEST CORNER OF BUILDING



REFER TO KEY NOTES 4 6 8 & 9



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**SOUTH &
WEST
SELECTIVE
DEMOLITION
ELEVATIONS**

Job No. 2207
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D202

1 South - Demolition
D202 3/16" = 1'-0"

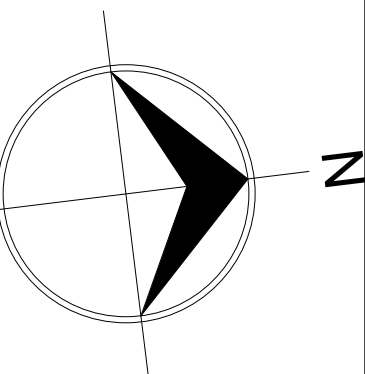
2 West - Demolition
D202 3/16" = 1'-0"

GRAPHIC LEGEND

- - - - - RED DASH DOT DOT DENOTES AREAS WITH PARTIAL DEMOLITION. REFER TO DRAWINGS AND DEMOLITION KEY FOR FURTHER INFORMATION.
- ~~~~~ RED LINE DENOTES EXISTING BUILDING CRACKS IN MASONRY TO BE REPAIRED.
- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- 1 REFER TO SELECTIVE DEMOLITION KEY NOTE

SELECTIVE DEMOLITION KEY NOTES

- | | | | |
|---|---|--|---|
| <ul style="list-style-type: none"> 1 REMOVE WOOD PANEL COVERING BRICK ARCH OPENING 2 REMOVE EXISTING NON-HISTORIC CANOPY AND FRAME 3 REMOVE EXISTING SHUTTERS, WINDOW, TRANSOM, FRAME, SILL AND NON-HISTORIC BRICK BELOW TO CREATE DOOR OPENING 4 EXISTING (NON-HISTORIC) METAL ROOFING TO BE REFURBISHED OR REPLACED IN KIND | <ul style="list-style-type: none"> 5 DEMOLISH EXISTING (NON-HISTORIC) TRANSOM, BRICK, DOOR & TRIM 6 REMOVE EXISTING DOWNSPOUTS AND SCUPPERS 7 REMOVE EXISTING WOOD PANEL AND/OR EXTRANEIOUS ITEMS 8 REMOVE NON-HISTORIC STORFRONT AND DOORS | <ul style="list-style-type: none"> 9 REMOVE EXISTING (NON-HISTORIC) RAILING 10 REMOVE METAL COPING 11 SOUND OUT EXISTING STUCCO THEN REMOVE AND REPLACE ALL DETERIORATED AREAS. PREP AND PAINT ALL STUCCO SURFACES 12 EXISTING NON-HISTORIC WINDOWS TO BE REFURBISHED. (SEE A201 - A202) | <ul style="list-style-type: none"> 13 REMOVE AND REFURBISH EXISTING SHUTTERS AND HARDWARE 14 REMOVE BRICK TO CREATE OPENING IN WALL |
|---|---|--|---|



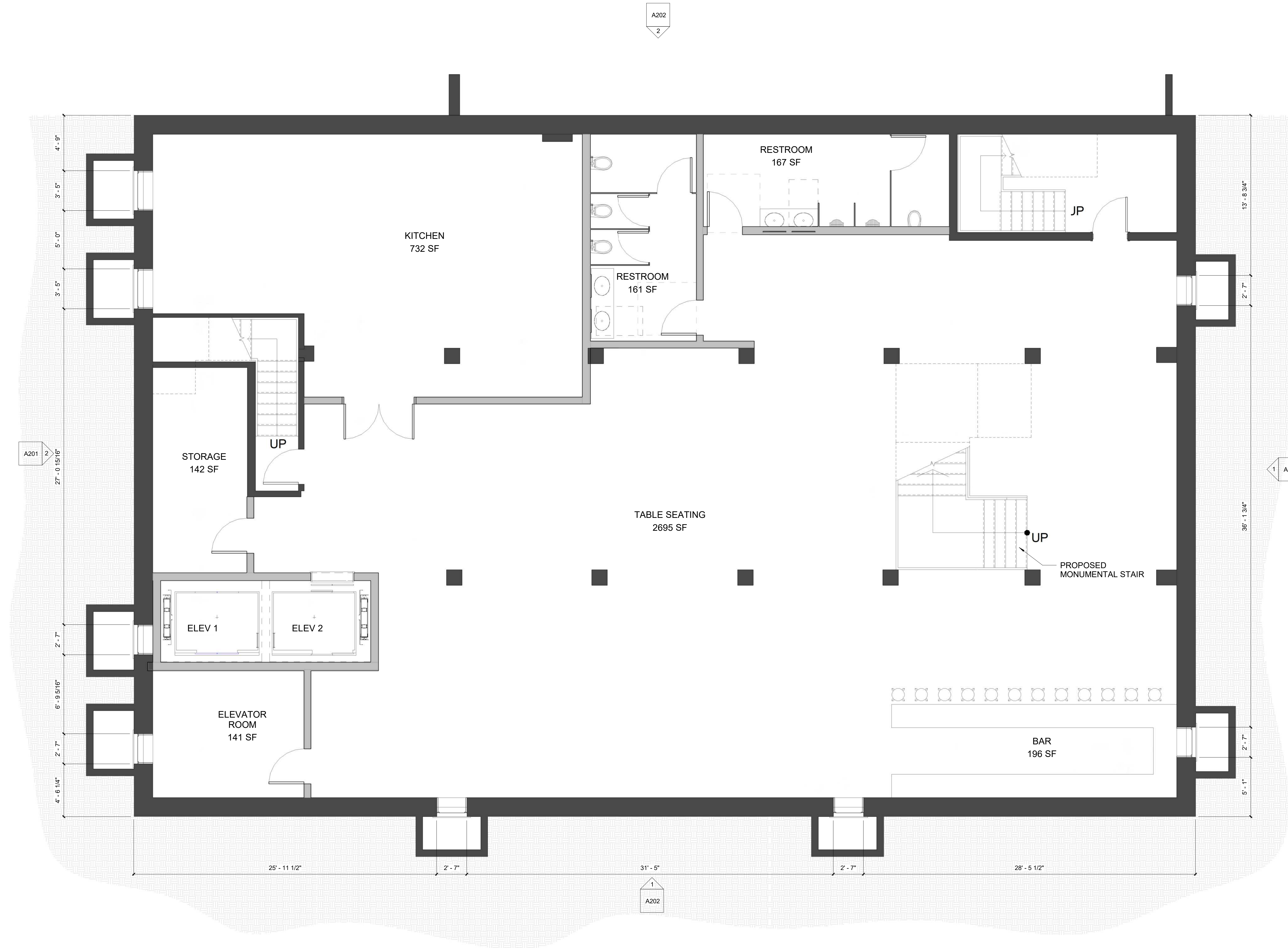
REVISIONS

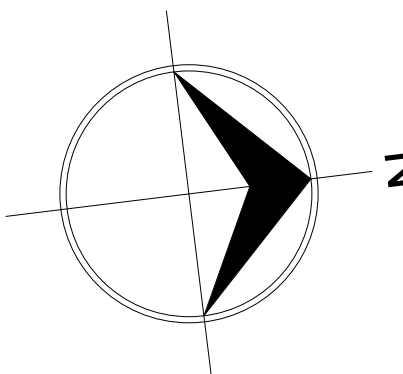
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**PROPOSED
BASEMENT
PLAN**

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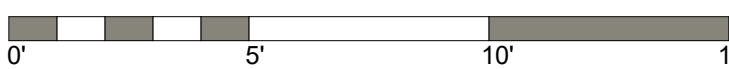
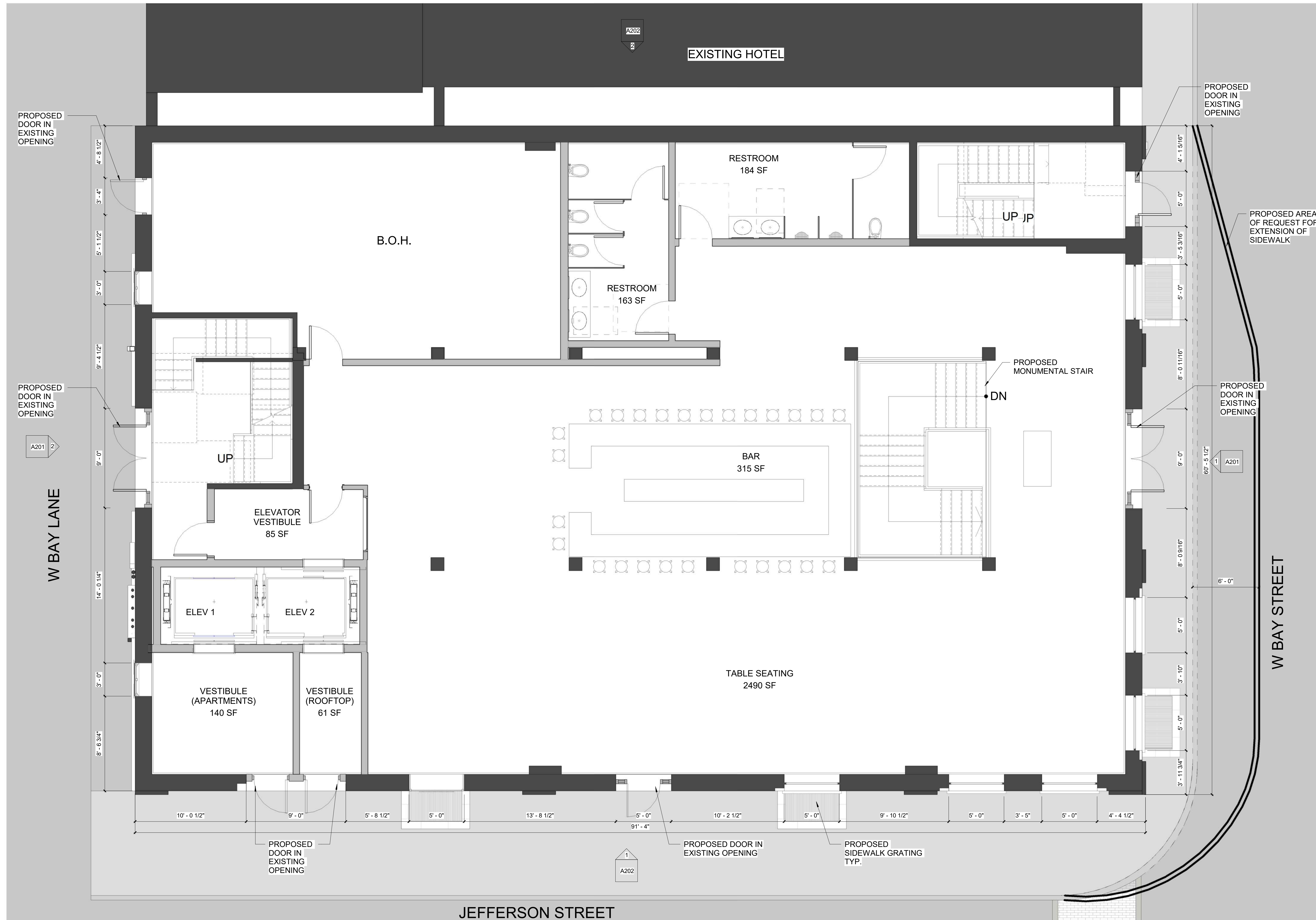
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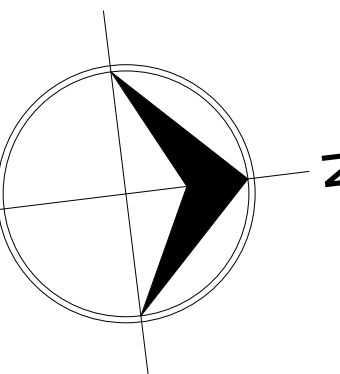
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**PROPOSED
LEVEL 1 PLAN**

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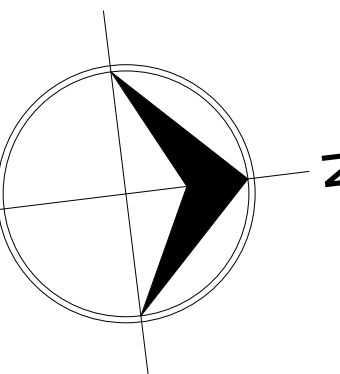
Date	#	Description

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**PROPOSED
LEVEL 2 PLAN**

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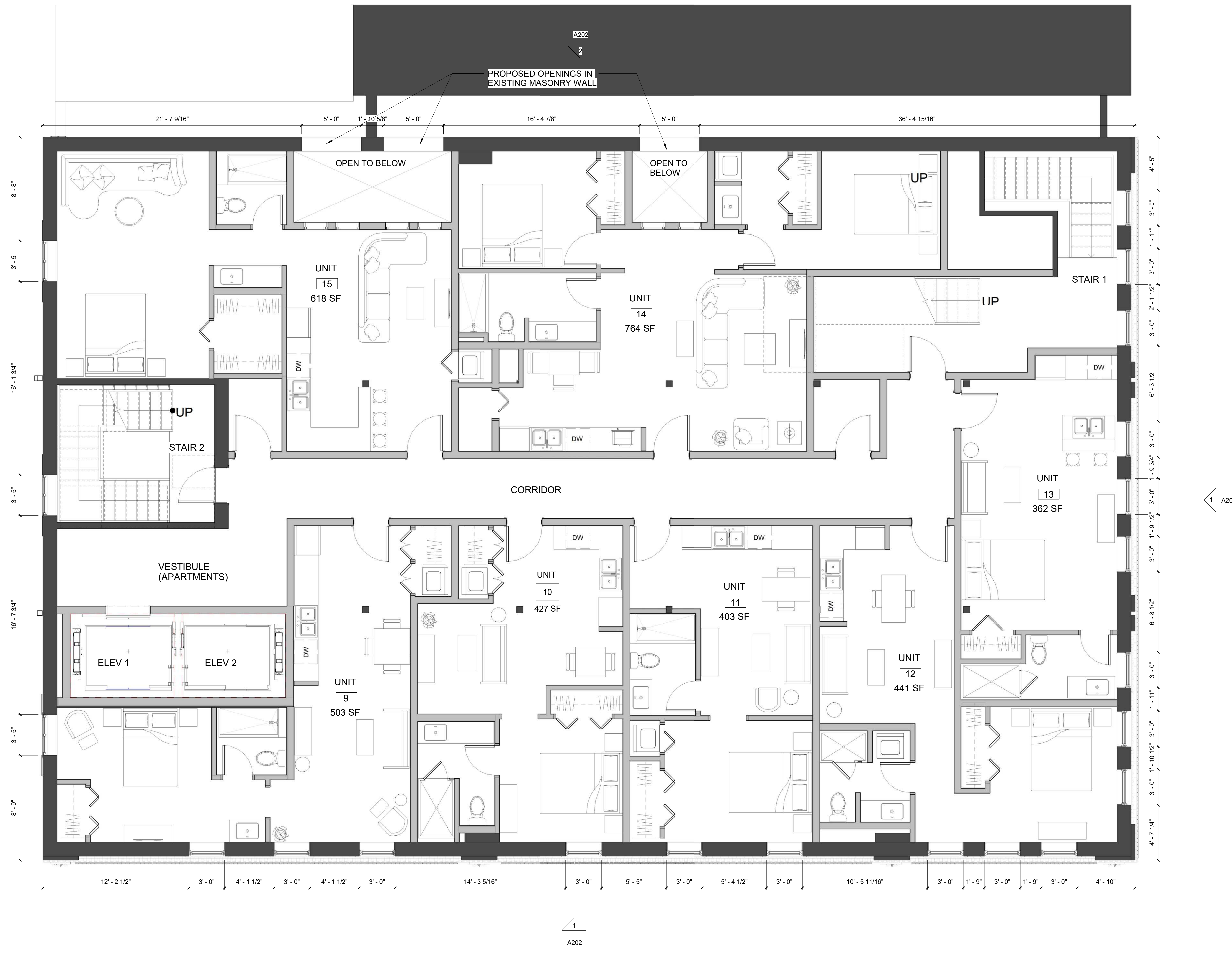
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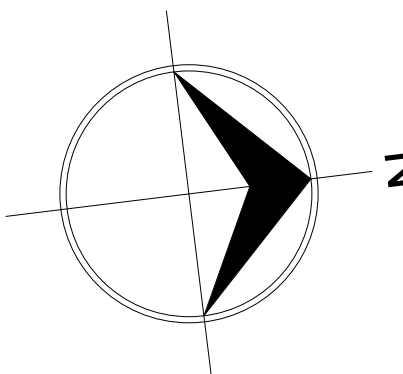
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**PROPOSED
LEVEL 3 PLAN**

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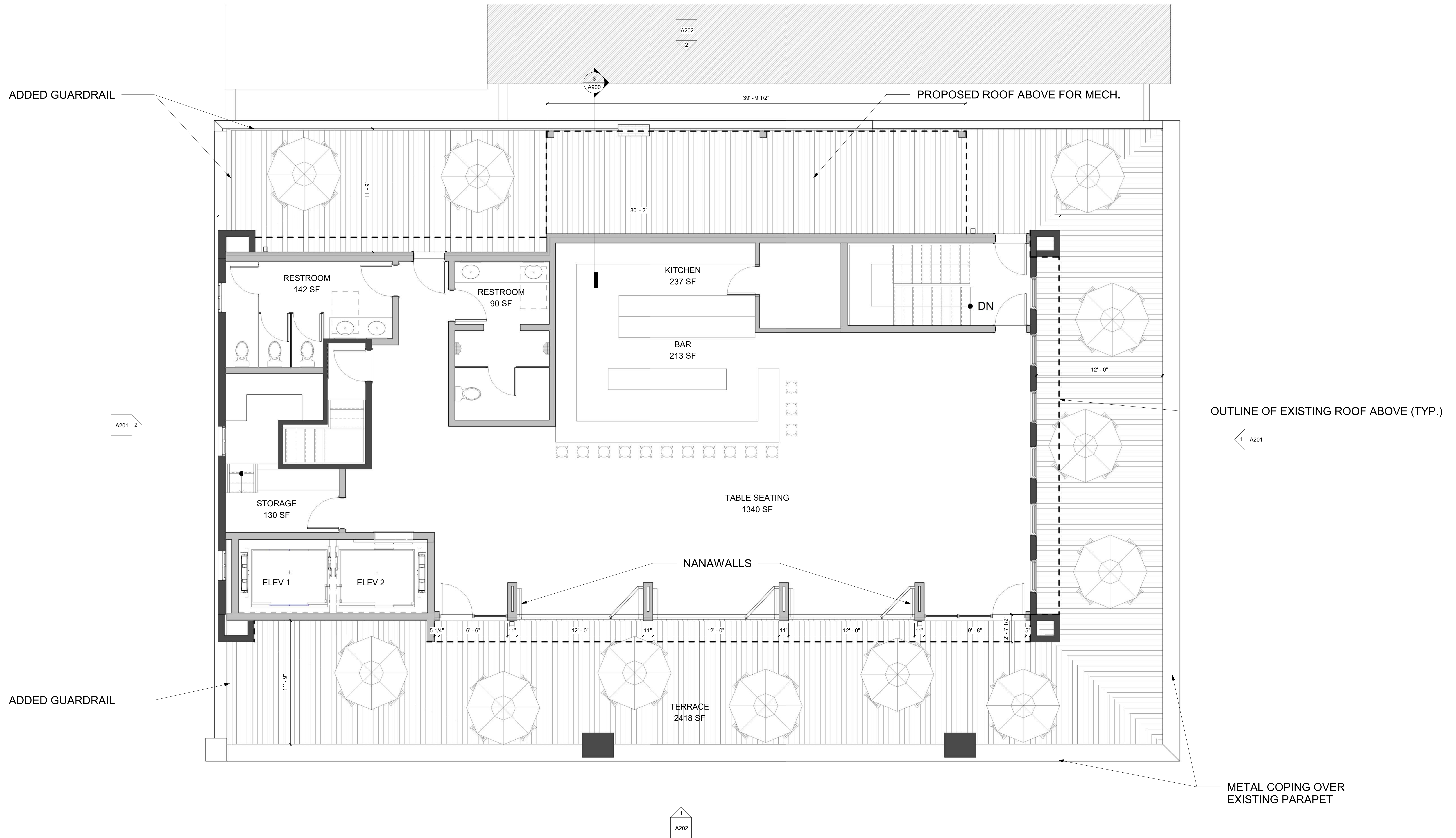
REVISIONS

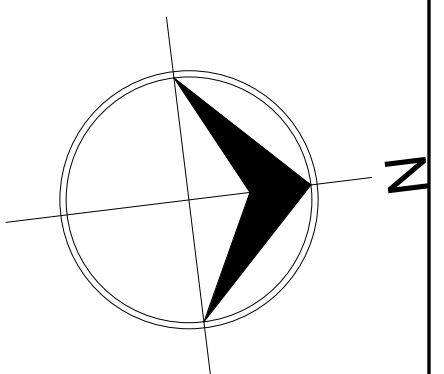
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**PROPOSED
LEVEL 4 PLAN**

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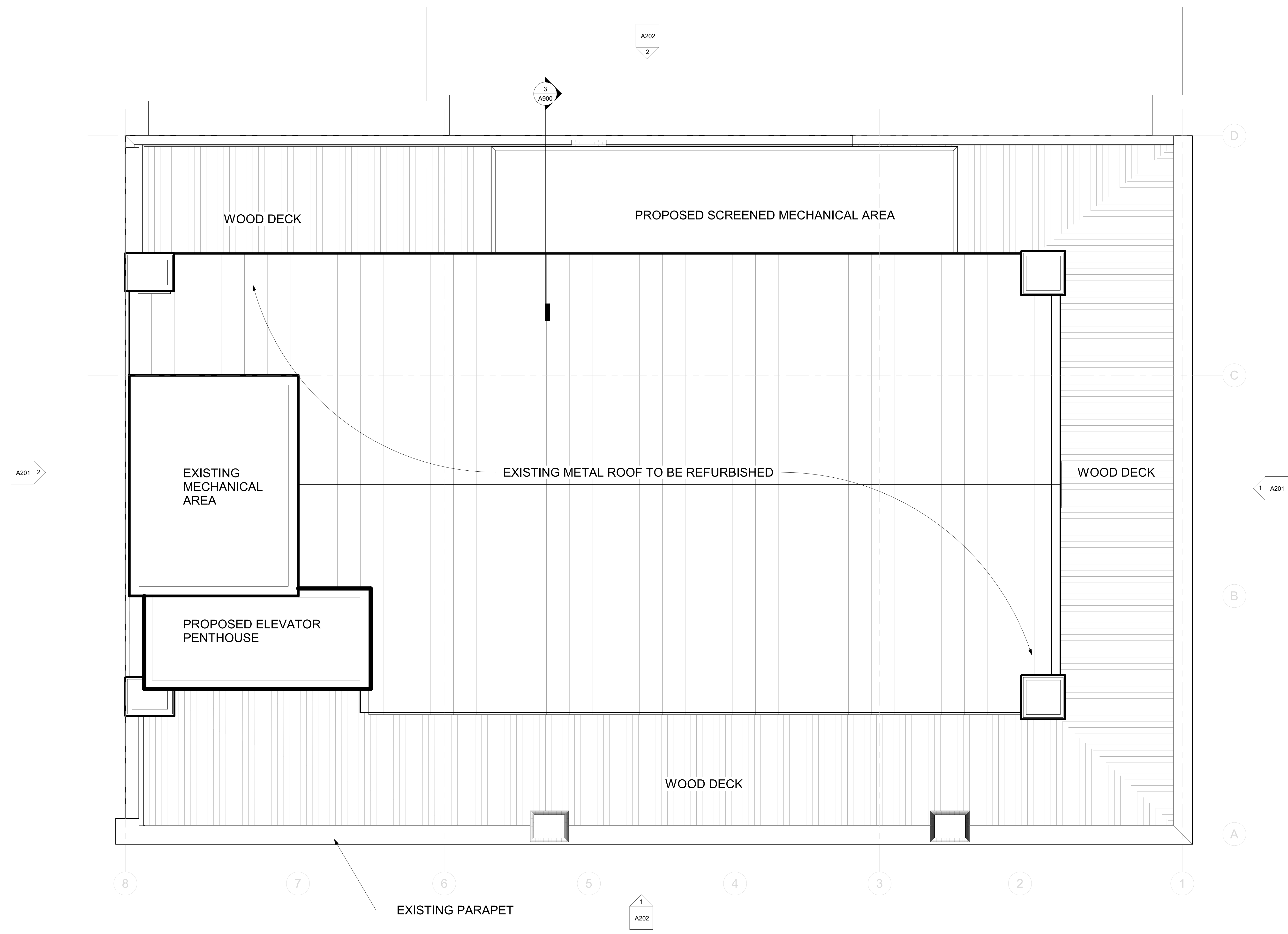
REVISIONS

Date	#	Description

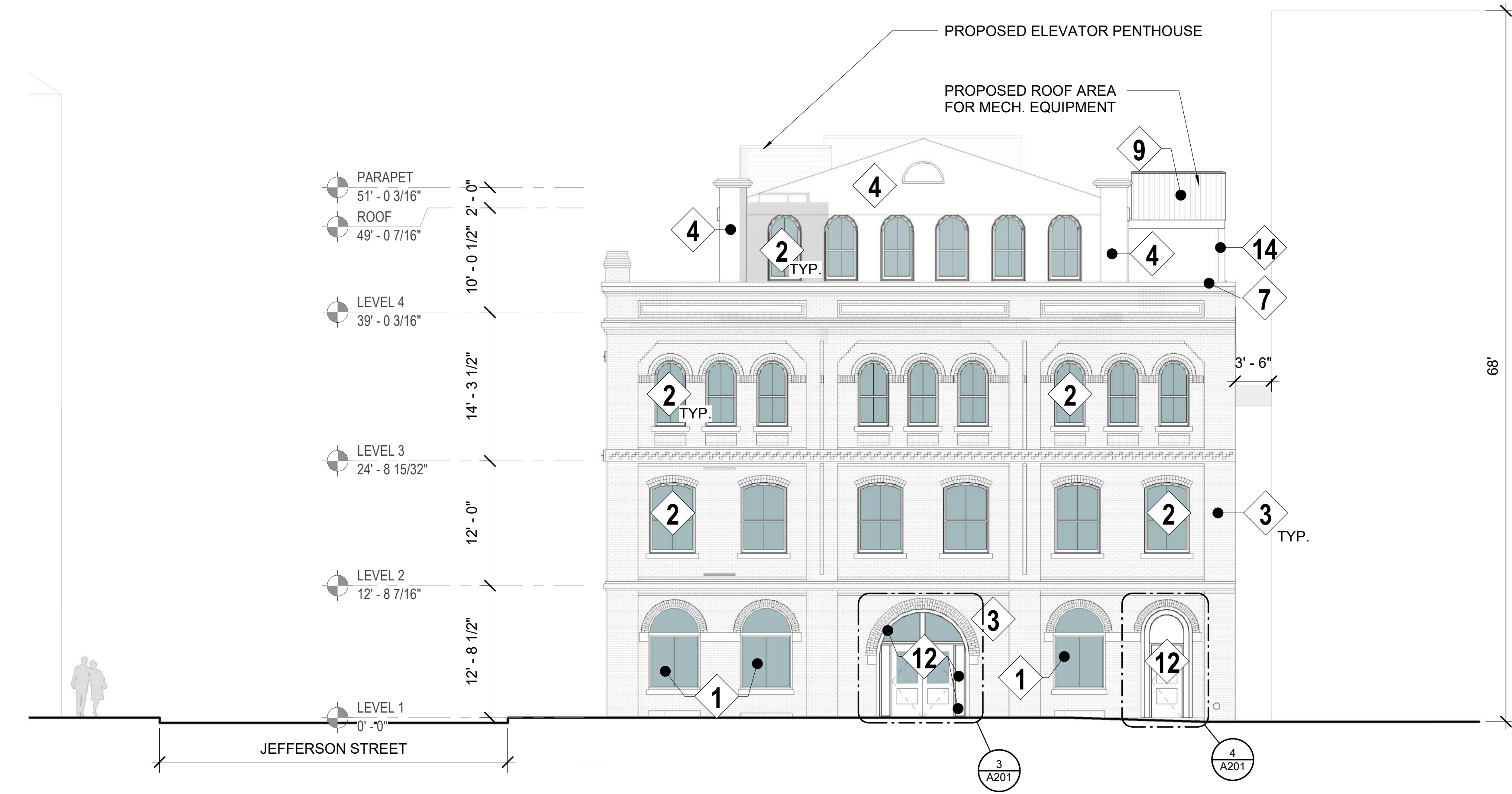
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**PROPOSED
ROOF PLAN**

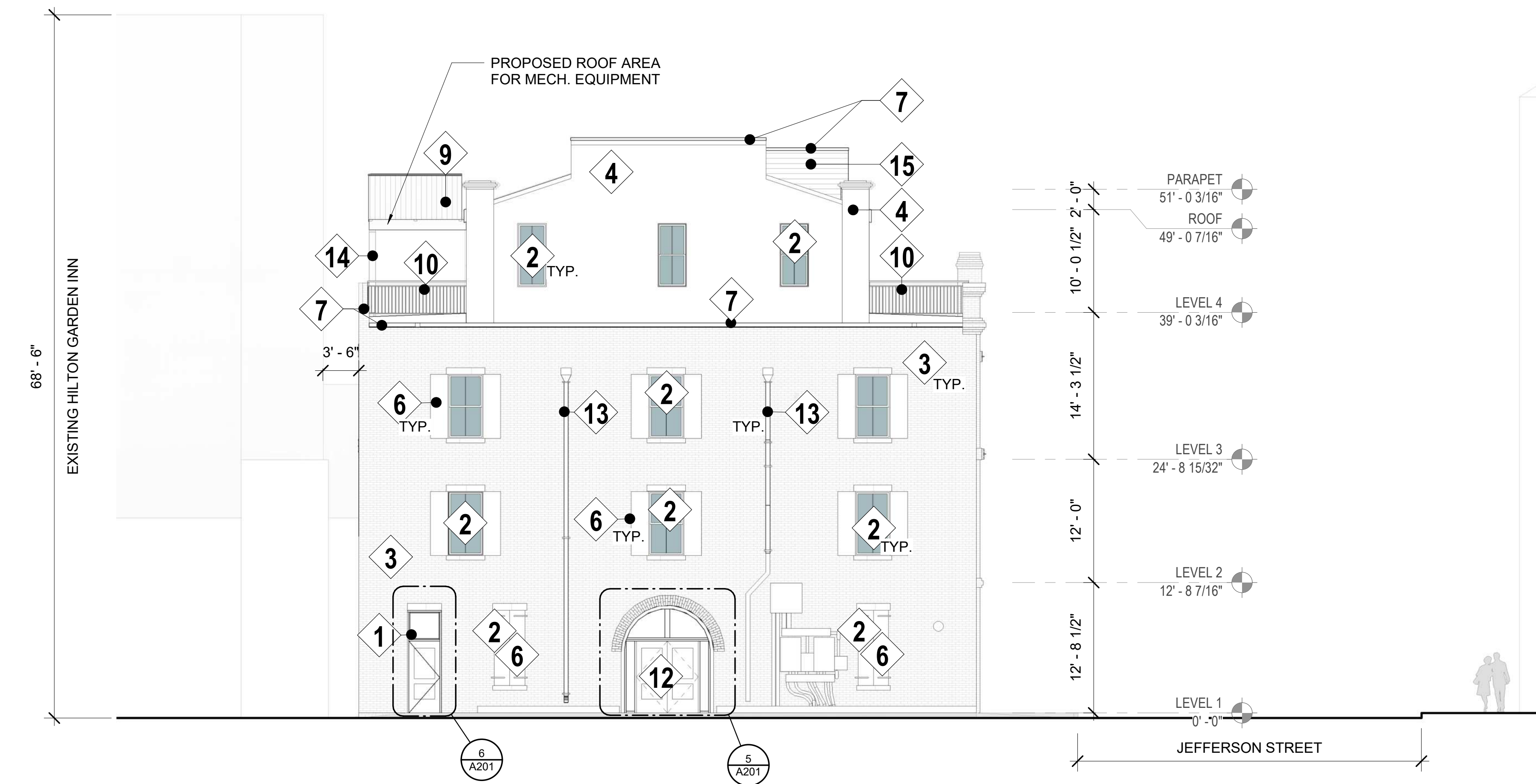
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Date	#	Description



1
A201 North - Proposed
1/8" = 1'-0"



2
A201 South - Proposed
1/8" = 1'-0"

MATERIALS LEGEND

1	REFURBISHED EXISTING STOREFRONT. FRAME COLOR: SW2704, MERLOT. CLEAR GLAZING
2	REFURBISHED EXISTING WINDOWS, SASH, AND FRAME. COLOR: SW7052, GRAY AREA - LEVELS 2 & 3, LEVEL 4 COLOR: BLACK
3	EXISTING HISTORIC BRICK - CLEANED (NON-ABRASIVE CLENSERS) AND REPOINTED.
4	EXISTING STUCCO CLEANED, PATCHED & PAINTED. COLOR: SW2704, MERLOT

5	NOT USED
6	REFURBISHED EXISTING SHUTTERS REINSTALLED IN OPEN POSITION ON UPPER LEVELS AND PAINTED. COLOR: SW2704, MERLOT
7	PAC CLAD METAL COPING, COLOR: BURGUNDY
8	NOT USED

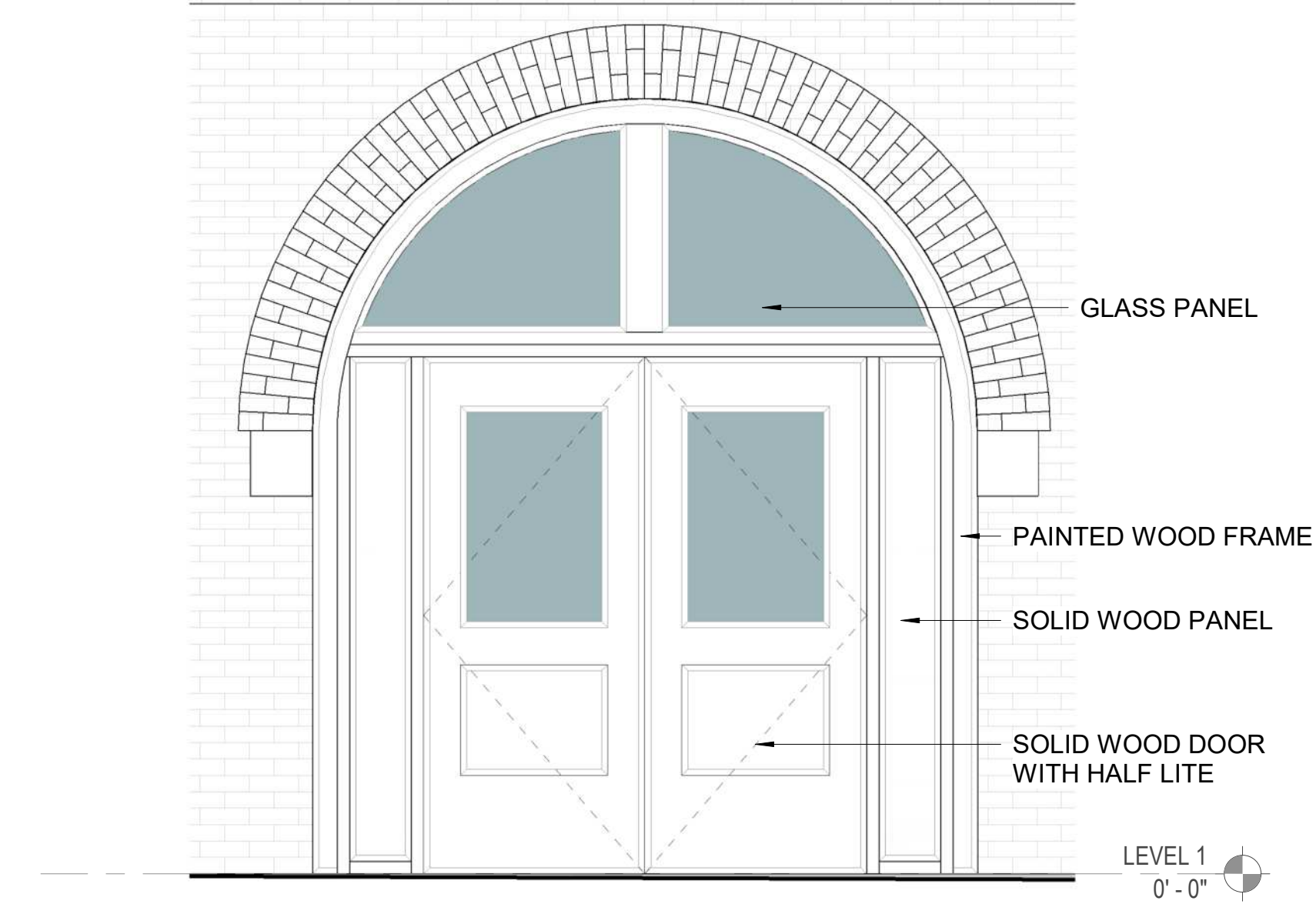
9	WOOD SLATS (MECHANICAL SCREEN), STAINED. COLOR: RGB: 91, 50, 27
10	CUSTOM ORNAMENTAL METAL GUARDRAIL WITH WOOD TOP RAIL. METAL COLOR: SW2704, MERLOT
11	EFCO STOREFRONT DOOR SYSTEM. COLOR: BLACK
12	CUSTOM WOOD STOREFRONT, DOOR PANEL STAINED COLOR RGB 91, 50, 27. FRAME COLOR: SW2704, MERLOT

13	SCUPPER & DOWNSPOUT. COLOR: SW2704, MERLOT
14	CEDAR WOOD POST. STAIN COLOR: RGB: 91, 50, 27
15	CEDAR WOOD SIDING. STAIN COLOR: RGB: 91, 50, 27
16	NANAWALL SYSTEM - SL70 THERMALLY BROKEN ALUMINUM FRAMED FLOOR SUPPORTED FOLDING SYSTEM. COLOR: BLACK.

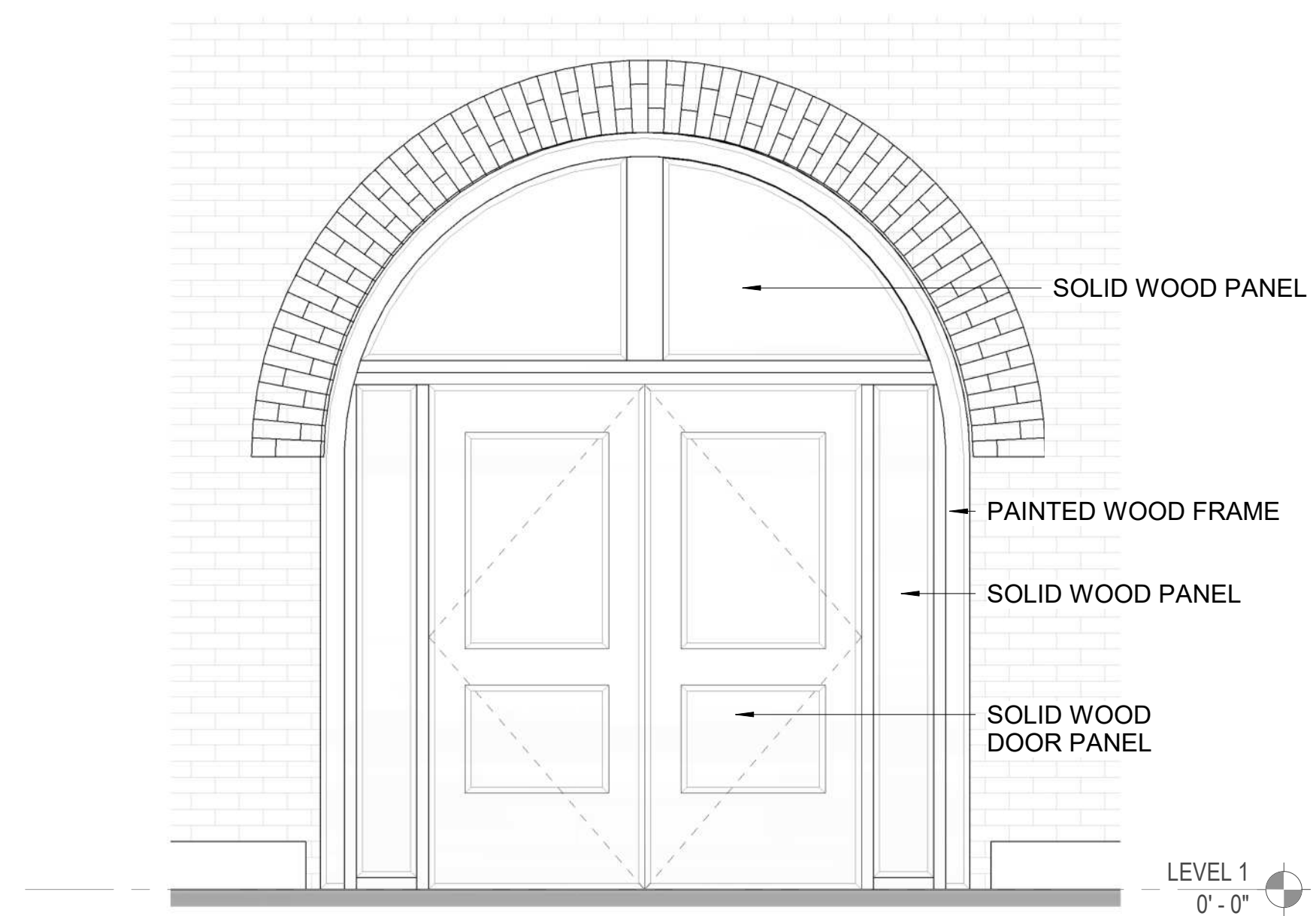
GENERAL NOTES

- SCRAPE AND HAND SAND EXTERIOR WINDOW SASHES, FRAMES, SILLS & TRIM TO REMOVE ALL LOOSE AND FLAKY PAINT.
- REMOVE ALL LOOSE AND DETERIORATED GLAZING COMPOUND FROM EXTERIOR GLASS LITES. REGLAZE WITH GLAZING PUTTY AND PREP FOR PAINTING.

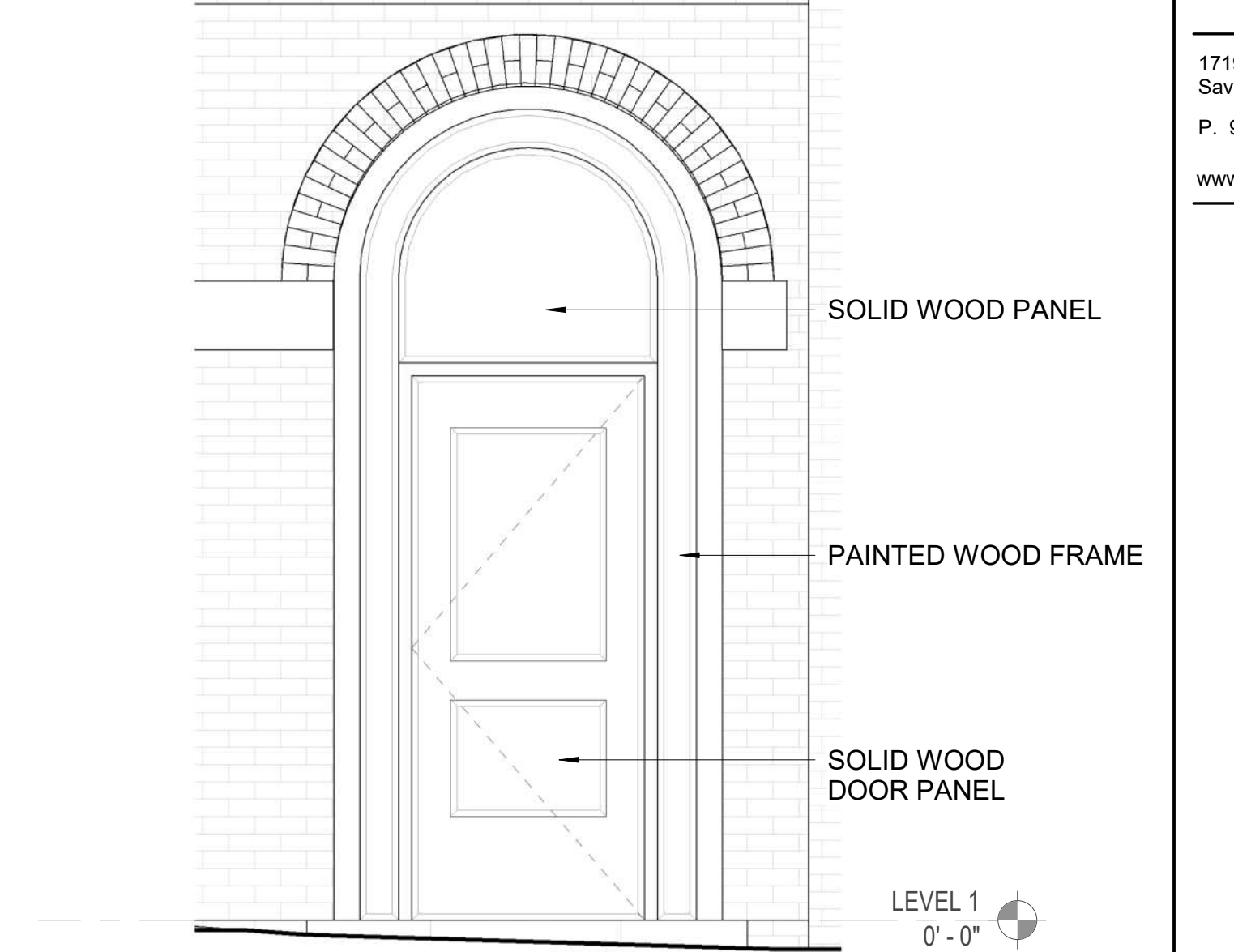
GLAZED AREA



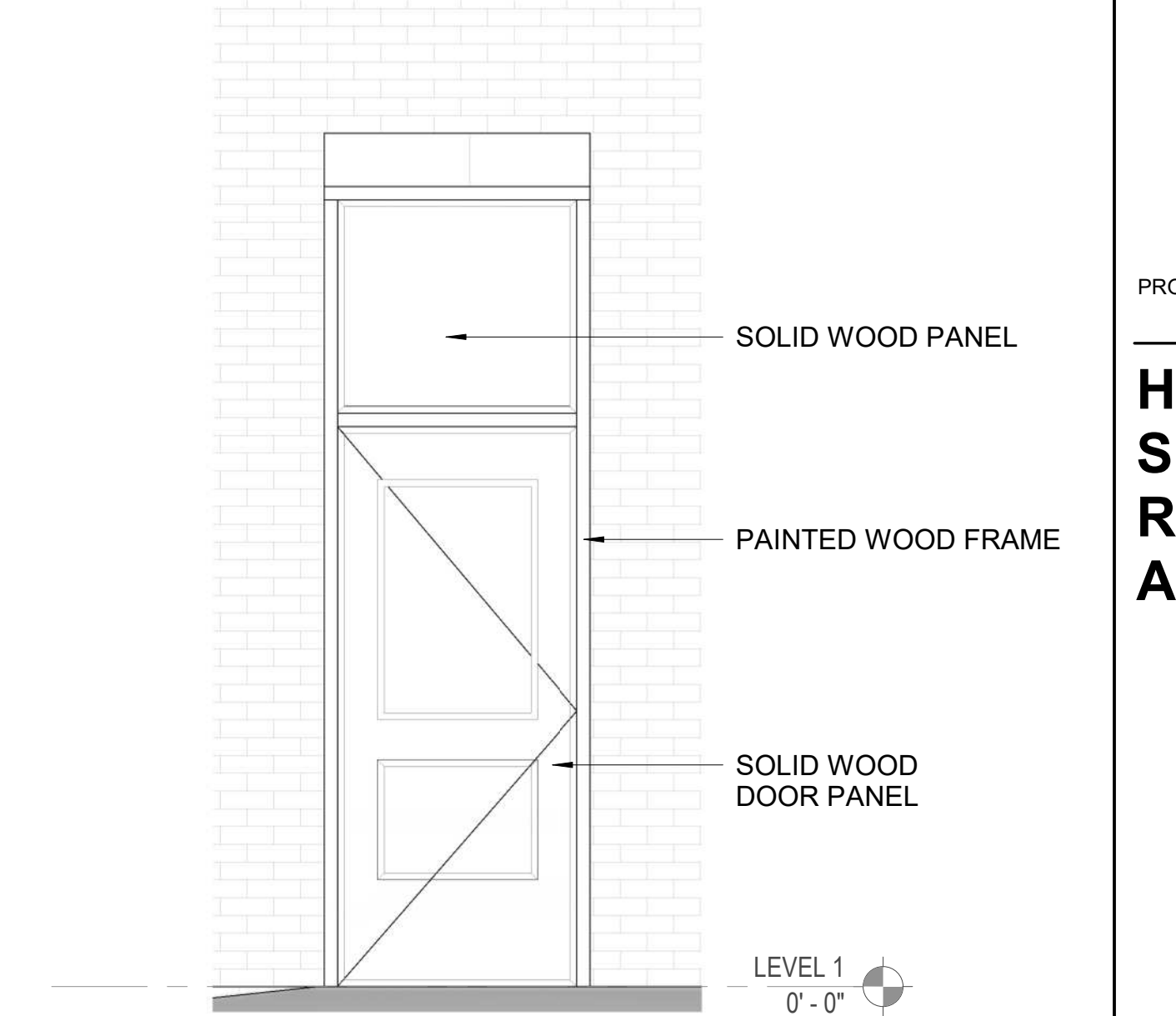
3
A201 North Door 1
1/2" = 1'-0"



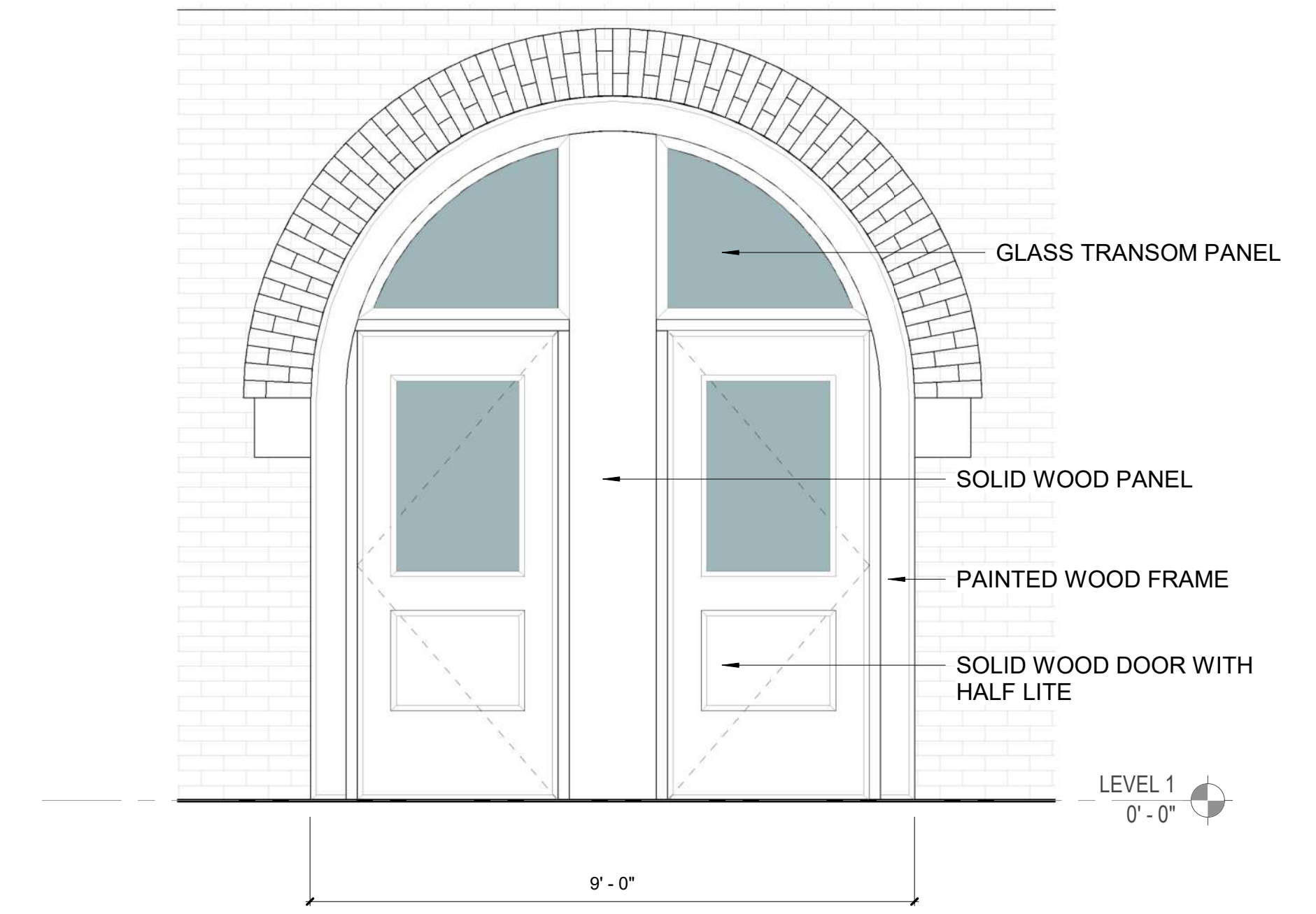
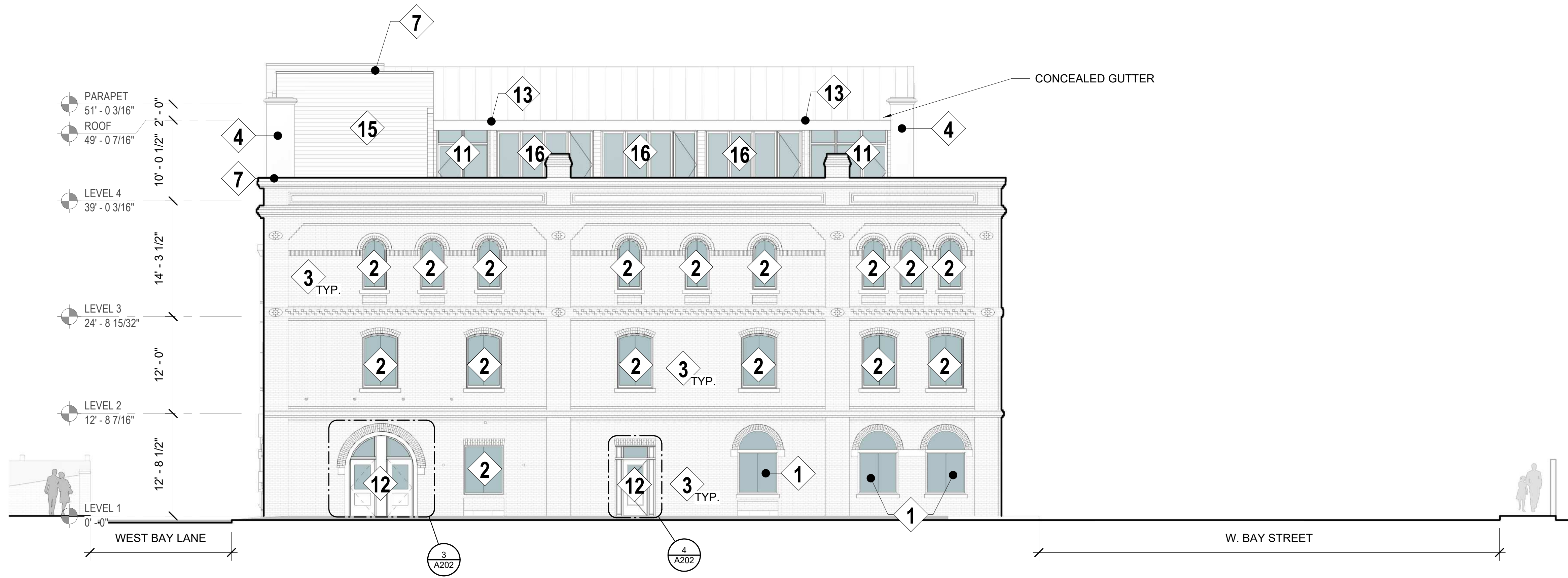
5
A201 South Door 1
1/2" = 1'-0"



4
A201 North Door 2
1/2" = 1'-0"

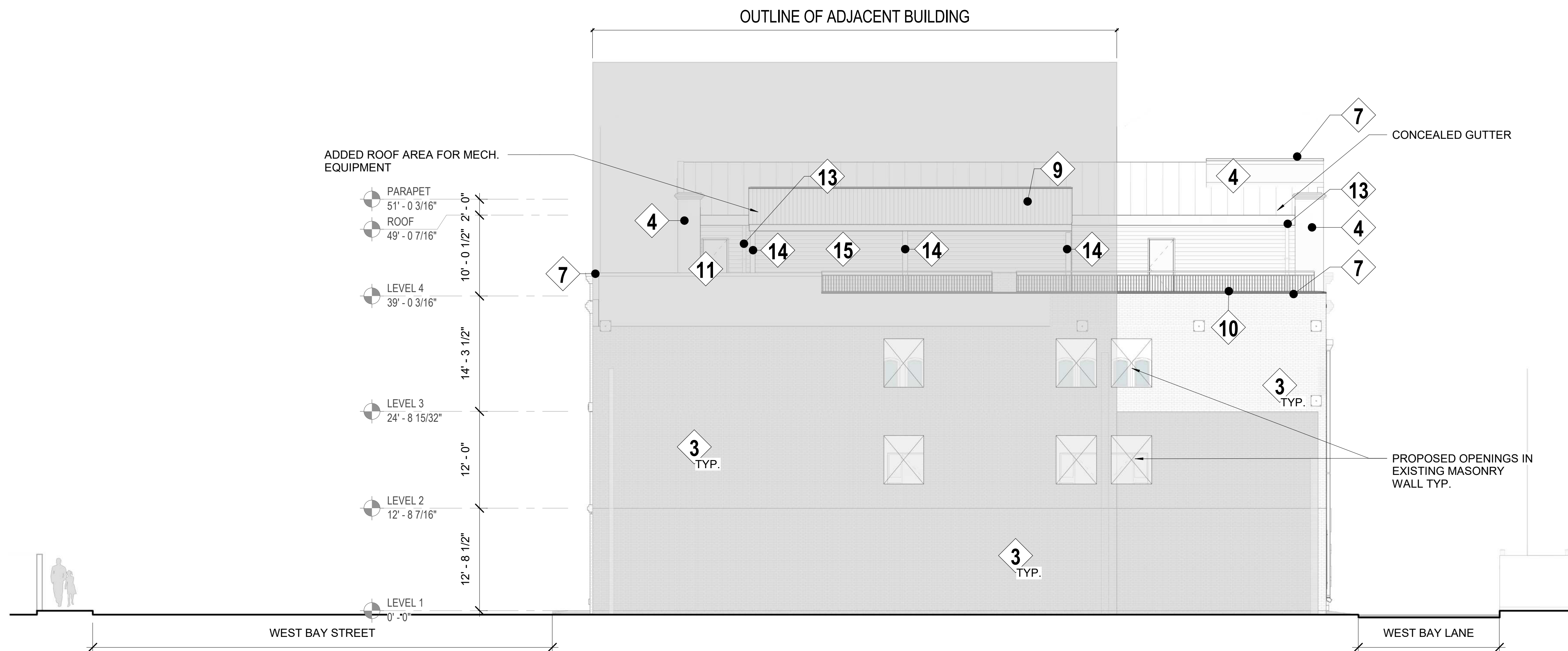


6
A201 South Door 2
1/2" = 1'-0"



1 East - Proposed
A202 1/8" = 1'-0"

3 East Door 1
A202 1/2" = 1'-0"



2 West - Proposed
A202 1/8" = 1'-0"

4 East Door 2
A202 1/2" = 1'-0"

301 W. Bay Street, Savannah GA, 31401

301 W. BAY

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REVISIONS

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**PROPOSED
EAST & WEST
ELEVATIONS**

MATERIALS LEGEND

1	REFURBISHED EXISTING STOREFRONT. FRAME COLOR: SW2704, MERLOT. CLEAR GLAZING	5	NOT USED	9	WOOD SLATS (MECHANICAL SCREEN), STAINED. COLOR: RGB: 91, 50, 27	13	SCUPPER & DOWNSPOUT. COLOR: SW2704, MERLOT
2	REFURBISHED EXISTING WINDOWS, SASH, AND FRAME. COLOR: SW7052, GRAY AREA - LEVELS 2 & 3, LEVEL 4 COLOR: BLACK	6	REFURBISHED EXISTING SHUTTERS REINSTALLED IN OPEN POSITION ON UPPER LEVELS AND PAINTED. COLOR: SW2704, MERLOT	10	CUSTOM ORNAMENTAL METAL GUARDRAIL WITH WOOD TOP RAIL. METAL COLOR: SW2704, MERLOT	14	CEDAR WOOD POST. STAIN COLOR: RGB: 91, 50, 27
3	EXISTING HISTORIC BRICK - CLEANED (NON-ABRASIVE CLENSERS) AND REPOINTED.	7	PAC CLAD METAL COPING, COLOR: BURGUNDY	11	EFCO STOREFRONT DOOR SYSTEM. COLOR: BLACK	15	CEDAR WOOD SIDING. STAIN COLOR: RGB: 91, 50, 27
4	EXISTING STUCCO CLEANED, PATCHED & PAINTED. COLOR: SW2704, MERLOT	8	NOT USED	12	CUSTOM WOOD STOREFRONT, DOOR PANEL STAINED COLOR RGB 91, 50, 27. FRAME COLOR: SW2704, MERLOT	16	NANAWALL SYSTEM - SL70 THERMALLY BROKEN ALUMINUM FRAMED FLOOR SUPPORTED FOLDING SYSTEM. COLOR: BLACK.

GENERAL NOTES

- SCRAPE AND HAND SAND EXTERIOR WINDOW SASHES, FRAMES, SILLS & TRIM TO REMOVE ALL LOOSE AND FLAKEY PAINT.
- REMOVE ALL LOOSE AND DETERIORATED GLAZING COMPOUND FROM EXTERIOR GLASS LITES. REGLAZE WITH GLAZING PUTTY AND PREP FOR PAINTING.

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A202

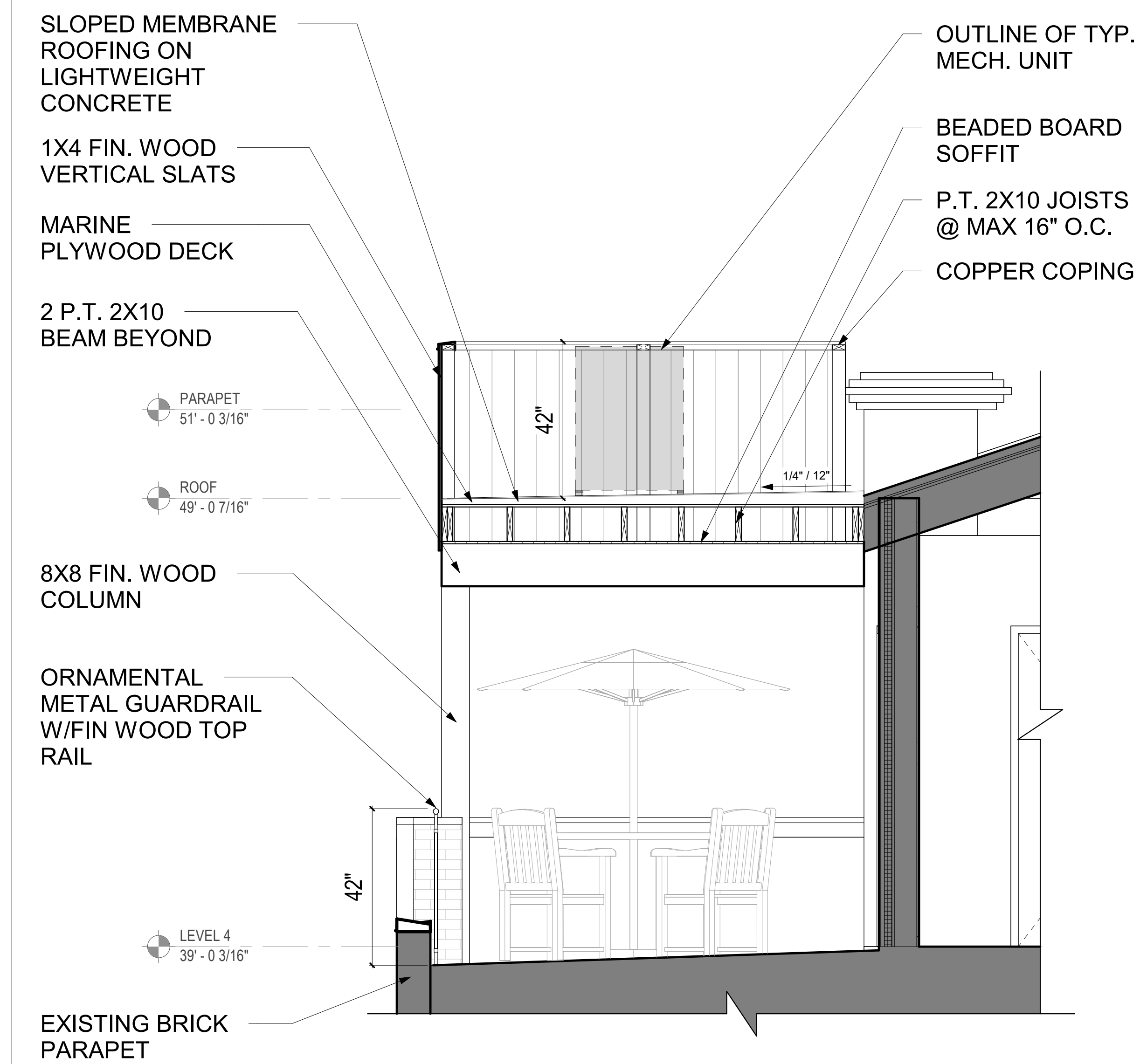


1 North-West Facing View - Jefferson Street
A900

301 W. Bay Street, Savannah GA, 31401



2 South Facing View - W Bay Street
A900



3 Section Thru Screened Mech Area @ West
A900 1/2" = 1'-0"

301 W. BAY

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**3D
PERSPECTIVES
& SECTION**

Job No. 2207
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A900

301 W. BAY STREET

301 W. Bay Street
Savannah, GA 31401

PRODUCT SPECIFICATIONS

Presented to:
The Historic District Board of Review
Rehabilitation & Alterations
October 13, 2022



Narrative Description for 301 West Bay Street

Proposed Improvements

10.11.22

The existing contributing historic building at 301 West Bay Street was originally built in 1893 according to Georgia Historical Society research. It was designed by Percy Sugden and built as a storehouse. Later it became a mercantile use for Savannah Grocery, Savannah Supply, and then Coastal Coffee Company.

In the more recent modern era, a visually incompatible rooftop addition was made by former owners and the building became the home to Club One. This club became the world-famous home to The Lady Chablis, a central figure in the best-selling non-fiction book about Savannah entitled *Midnight in the Garden of Good and Evil*. The upper floors of the existing building have not been inhabited for many years and the rooftop addition is in disrepair. Due to deep excavations in the vicinity, the solid masonry and timber building has badly settled and exhibits large cracks.

On behalf of the current owner, the Petitioner seeks to renovate and adaptively rehabilitate the building, bringing it up to current building codes. The intended uses are for an event space on the top floor taking full advantage of the views from the existing roof deck; residential apartments on Level 3 and Level 2; and a tenant space for a food and beverage establishment (Club One?) on the ground floor and in the existing basement.

Access to the top floor event space will be from Jefferson Street leading to an elevator. Separate access to a separate elevator up to the apartments will also be from Jefferson Street. Primary access to the food and beverage tenant at the ground floor will be through a monumental entrance on Bay Street. The developer hopes to persuade the City of Savannah to widen that sidewalk along Bay Street which is dangerously narrow now. Also, a new service entrance will be created on Bay Lane for deliveries and waste removal.

To the extent possible, the intent is to refurbish the existing exterior elements of the original building in kind by refurbishing existing (non-historic) upper floor windows; refurbishing existing shutters on Bay Lane; opening up and refurbishing existing wood storefronts; repointing existing brickwork; and replacing or refurbishing existing (non-historic) metal work. The upper floor addition will be kept in place but extensively improved by removing existing non-historic aluminum storefronts and replacing them with newly constructed walls and operable doors. These new elements will be clad in cedar siding to clearly differentiate them from the historic structure. Remaining existing non-historic stucco elements will be recoated in a much more visually compatible (Merlot) color.

The existing historic masonry wall facing the adjacent much larger Hilton Garden Inn will be completely repointed, and six new openings cut into these walls in inconspicuous areas to allow daylight into the apartments in these areas. These openings in the now blank wall will be obscured by the adjacent existing hotel about 5 feet away. Also, in order to conceal the outdoor air-conditioning units needed to make the upper floor habitable, a fully screened mechanical platform is proposed on the side of the existing roof deck furthest away from street view.

Although the owner is not seeking Historic Preservation Investment Tax Credits, the intent is to perform all renovation work in accordance with preservation best practices and National Park Service recommendations.

Exterior Materials

- A. Finish Wood Siding & Trim
Stain Color: RGB 91, 50, 27
- B. Stucco, Shutters, Ornamental Metal, Storefront Frames (Level 1)
Color: RGB 81, 50, 59

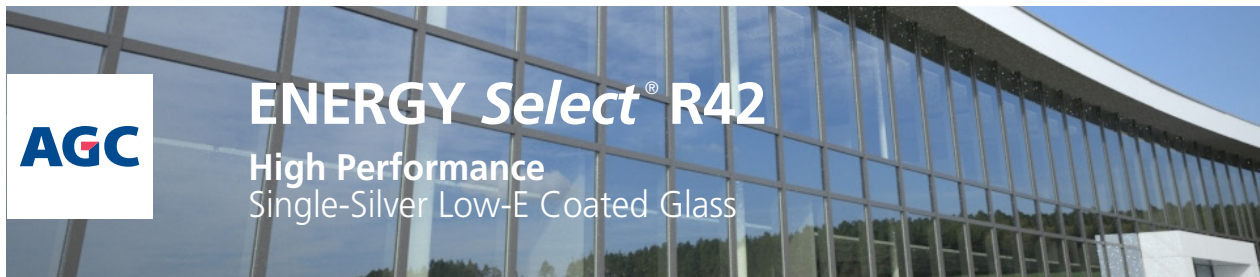
Openings

- C. Storefront
Manufacturer: EFCO
Model: Series 403
Size: 2" X 4 ½" Thermal Storefront Framing
Color: Black
- D. Glazing
Manufacturer: AGC
Model: Energy Select R42
Color: Clear
- E. Existing Refurbished Window, Sash, & Frame
Color: SW 7052 – Levels 1-3; Black – Level 4
- F. Custom Storefront Frames
Color: SW 2704, Merlot
- G. Custom Storefront Wood Door
Stain: RGB 91, 50, 27

Roofing

- H. Metal Coping
Manufacturer: Pac-Clad
Model: Pac-Continuous Cleat Coping
Color: Burgundy





With its low SHGC and high reflectivity, AGC ENERGY Select R42 is the perfect choice for high-rise residential and architectural facades. As an outstanding solar blocker, ENERGY Select R42 is the natural choice for regions where air conditioning is used most of the year. To meet the high aesthetic needs of today's architects, ENERGY Select R42 offers excellent light transmission and an aesthetically neutral reflectance.

ENERGY Select R42

What's so special about it? | What does this mean for you?

- | | |
|---|---|
| <p>Solar control low-e with stunning reflectance</p> <p>Legendary neutral reflective coating</p> <p>Low-e coating technology</p> | <ul style="list-style-type: none"> - Moderate solar control and good U-value for cooler regions - High visible light transmission of 62% (VLT) for plenty of natural daylighting - Ideal for commercial applications and residential high-rise - High-level outdoor reflectance of 26% - Neutral reflectance provides uniform appearance for building envelope - Sputter coating designed for unique aesthetic and energy efficiency - Versatile product for regions where air conditioning is used most of the year, while still providing energy savings in cooler temperatures with a 0.25 (Argon) winter U-value |
|---|---|

Performance

Product name	Coating Position	Color	Transmittance %			Reflectance %			Winter U-value (Imperial)		Shading Coefficient	Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)	DW Index
			Visible	Solar	UV	Out	In	Solar	Air	Argon				
Insulating glazing unit: Based on 1" (25mm) Unit: 1/4" (6mm) 1/2" (13mm) spacer 1/4" (6mm)														
Energy Select R42	Surface 2	Neutral	62	37	22	26	21	33	0.30	0.25	0.49	0.42	1.46	0.48

Performance values are based on representative production samples and product modeling data using LBNL Window 7 software. Actual values may differ based on variations in the manufacturing process. Environmental conditions based on NFRC 100-2010. Argon data based on 10% air and 90% argon. Thermal stress analysis or building codes may determine the requirement for heat-treated glass. Contact AGC Technical Services at 800-251-0441 to ensure the correct form of glass to be supplied. For additional data performance and comparisons use our online Glass Calculator www.agcglass.com/glasscalculator.

- Exterior use only
- Insulating
- Tempering & heat-strengthening
- Laminated
- Standard thickness
1/4" (6mm)
- Optional thickness
5/16" (8mm)
3/8" (10mm)

IGU configurations

There are virtually unlimited ENERGY Select R42 IGU configurations that are possible with this product. Please contact AGC for more information.

Build your own IGU

With the AGC online Glass Calculator you can quickly and easily build your own AGC IGU and calculate its performance data. Visit [www.agcglass.com/Tools & Resources](http://www.agcglass.com/Tools&Resources).

Envision Energy Select R42

With the AGC Architectural Glass Visualizer you can see how Energy Select looks on a variety of buildings and under various conditions. Visit [www.agcglass.com/Tools & Resources](http://www.agcglass.com/Tools&Resources).

Let AGC help build your spec

As the world's largest glass manufacturer, AGC offers the widest range of products. No matter what brand or type of glass you typically specify, there is an AGC product that will perform equally or better. If you have glass specifications that you would like re-written to reflect AGC products, contact a knowledgeable and helpful AGC architectural representative today.

Availability

As part of AGC's commitment to providing world-class customer service, AGC distribution centers, strategically located throughout North America, provide you with easy, convenient, and fast access to the most popular AGC products. Contact AGC for product samples or for a distribution center near you.



Series 403 2" x 4 1/2" Thermal Storefront Framing

CONFIGURATIONS

Shear Block • Screw Spline

This economical flush glaze system is available in both shear block and screw spline fabrication methods. Series 403 Storefront can accommodate all standard 1 3/4" Entrances as well as WV410 vents. This series is thermally broken, enhancing energy savings potential. Vertical mullions will accept steel reinforcement to enhance structural performance.

Features

Thermally broken frames
Screw spline construction

Shear block construction
The optional Roto-Vent™ ventilator
2-way corner mullions (90° & 135°)
3-way corner mullions (T-mullions)
0°-15° and 15°-30° variable mullions
Accommodates up to 1 1/16" glazing
Uniform glazing gasket is used for exterior and interior

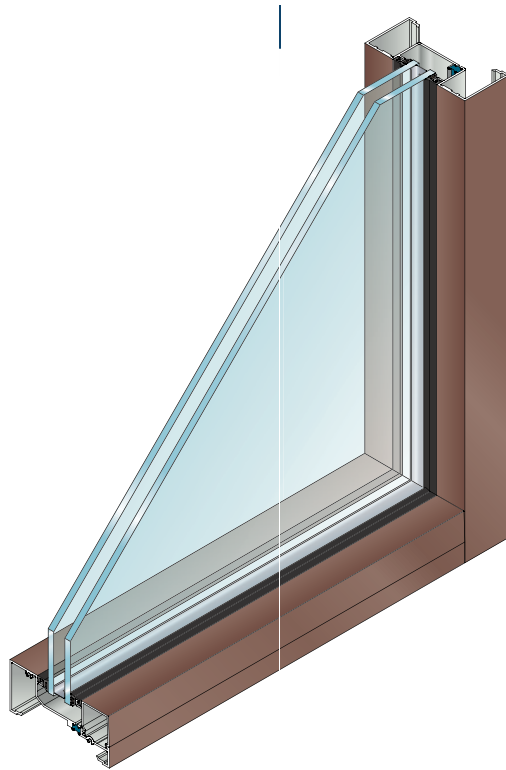
Various height intermediate horizontals and sills
Accessory line of perimeter anchors, pocket fillers, door adaptors, etc.
Anodized or painted finishes available

Benefits

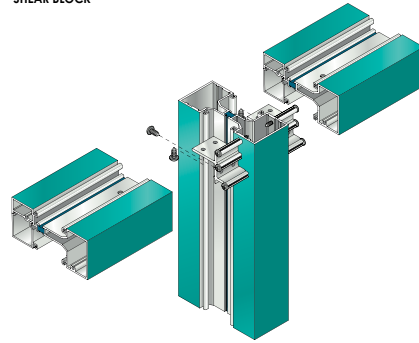
Enhanced thermal performance
Allows assembly of sections prior to installation
Decreases installation time
Ability to erect on the job site
Allows fresh air into the room, yet maintains security
Design flexibility
Multifaceted elevations
Custom applications
Expands design and energy savings options
Allows optimized use of gasket
Simplifies ordering and installation
Ability to maintain desired sight line
Increased product versatility

Multiple options to answer economic and aesthetic concerns

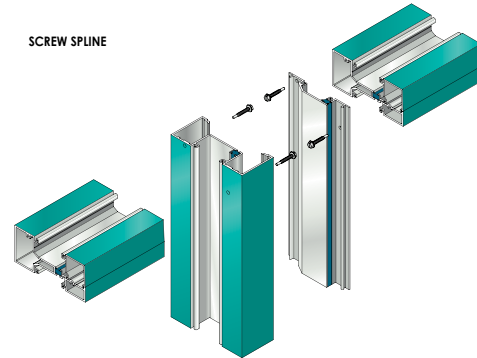
Series 403 2" x 4 1/2" Thermal Storefront Framing



SHEAR BLOCK



SCREW SPLINE



PERFORMANCE DATA

SYSTEM 403 STOREFRONT FRAMING

AIR INFILTRATION	<.06 CFM/SF @ 6.24 PSF
WATER	NO LEAKAGE @ 12.0 PSF
STRUCTURAL	visit MyEFCO at www.efcocorp.com
CRF FRAME	56
CRF-GLASS	63

Note: All performance value data is based on laboratory testing per AAMA 101/15.2/A440 for Air/Water/Structural, ASTM E90 and or E413 for Acoustical, AAMA 507 and or NFRC 100/200/500 for UFactors and AAMA 1503 for Condensation Resistance Factor (CRF). Printed values are subject to change pending the frequency of recertification testing. Field results will vary depending on size, the field test method, the addition of sub-frames, panning, mullions, accessories and installation into the surrounding condition.

CENTER OF GLASS U-FACTOR	403 THERMAL U-FACTORS*	
	CONFIGURATION AND SIZE	
	FIXED** 78 3/4" X 78 3/4"	FIXED 120" X 120"
0.46	0.55	0.52
0.34	0.46	0.41
0.30	0.42	0.38
0.24	0.38	0.33
0.20	0.34	0.29

* Based on NFRC 100
**NFRC Gateway size

*Note: Based on NFRC 100. Job specific performance ratings may vary due to differences in glass and glass spacer selection. If NFRC certified ratings are required, EFCO recommends requesting a CMA Bid Report at the bid stage from EFCO's Product Technical Support Group to ensure performance will meet project specifications

GLAZING

SYSTEM 403 CAN BE INSIDE OR OUTSIDE GLAZED WITH EXTRUDED ALUMINUM, SNAP-IN GLAZING BEAD. GLASS IS "DRY GLAZED" WITH TOP LOAD GASKET. GLAZINGS OF 3/16" TO 1-1/16" INFILL PANELS ARE ACCOMMODATED. SEE GLAZING CHART BELOW FOR EXACT SIZE.

SYSTEM 403 GLAZING CHART	POLYCARBONATE			GLASS OR PANEL												
	3/16"	1/4"	5/16"	3/16"	1/4"	1/4**	5/16"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	15/16"	1"	1-1/16"
MONOLITHIC GLASS	C	C	C	C	C	C	C	C								
INSULATED GLASS												C		C	A	C

*Obscure glass thickness
**Laminated glass thickness

A Available glazing option
C-Adaptor and/or gasket required
Blank - N/A





COATINGS
FINISHES
COLORS

ULTRAPON (70% PVDF)

STANDARD				FEATURED	
Bone White	White	Antique White	Herring Bone	Ivy	Hartford Green
Mesa Brown	Mineral Brown	Gray	Aged Copper	Blue Sky	Brick Red
Legacy Blue	Denim Blue	Light Brown	Pueblo Tan	Black	

ULTRA-ESCENT II (70% PVDF MICA*)

STANDARD			FEATURED		
Weathered Copper	Slate	Raw Sienna	Warm Silver	Sea Spray	Asti
Gun Barrel	Saddle Bronze		Champagne	Aztec Gold	

¹ The color samples shown are not the actual paint. These paint colors represent the production colors as closely as possible within the limitations of color-chip reproduction.

² Additional charges may apply to exotic colors that require a clear topcoat, metallic colors, custom color matches

* Color variation is inherent in, and should be expected with Mica/Ultra-Escent II paint finishes. Laboratory-prepared samples will appear different from production-run material.

WINDOWS • CURTAIN WALLS • ENTRANCES • STOREFRONTS

Series D202 Narrow Stile • Series D302 Medium Stile • **D502 Wide Stile**
2" ThermaStile® Aluminum Swing Entrance Doors



CONFIGURATIONS

Narrow Stile (2 1/4") • Medium Stile (3 1/2") • Wide Stile (5")

EFCO's ThermaStile® entrances are designed to meet specific applications where security, egress, thermal performance and dual finish capability is required. ThermaStile entrances are joint plug welded at every corner to provide superior strength in all applications. Offered in narrow, medium and wide stiles, EFCO standard entrances can accommodate a wide range of applications. Also, multiple glazing options provide flexibility to meet specific design requirements, and the product's ability to accommodate most hardware applications increases its versatility. ThermaStile entrances are thermally isolated, enhancing energy saving potential. EFCO's ThermaStile® entrances provide the complete solution for your fenestration needs.

Features

E-Strut™ thermal isolator
Exterior corners are true mortise and tenon
Interior corners are joined by concealed reinforcement brackets and deep penetration fillet weld
Accepts most major brands of locking hardware, panic devices, Rixson HD pivots and continuous hinges.
Accommodates all surface mounted, concealed overhead and floor closers
Tall bottom rails available
Variety of cross rails, door sweeps, and crash bars available
Anodized and painted finishes available

Benefits

Dual finish capability
Physical interlock between the rails and stiles increases strength of door
Improves ability to function correctly in high-usage applications
Able to comply with special hardware specifications
Unrestricted closer choices
Meets ADA requirements
Increases configuration options
Multiple options to answer economic and aesthetic concerns



Series D202 Narrow Stile • Series D302 Medium Stile • D502 Wide Stile
2" ThermaStile® Aluminum Swing Entrance Doors



PERFORMANCE DATA

D202 NARROW STILE (SINGLE DOOR LEAF)

AIR INFILTRATION	< .140 CFM/SF @ 1.56 PSF
CRF-FRAME	40
CRF-GLASS	52
U-FACTOR	.66

D302 MEDIUM STILE (SINGLE DOOR LEAF)

AIR INFILTRATION	< .170 CFM/SF @ 1.56 PSF
CRF-FRAME	40
CRF-GLASS	52
U-FACTOR	.66

D502 WIDE STILE (SINGLE DOOR LEAF)

AIR INFILTRATION	< .110 CFM/SF @ 1.56 PSF
CRF-FRAME	46
CRF-GLASS	65
U-FACTOR	.65

Note: All performance data is subject to change based on testing recertification and/or revised AAMA testing protocol. Please contact EFCO for latest performance values.

D202, D302, D502 GLAZING CHART	POLYCARBONATE			GLASS OR PANEL															
	3/16"	1/4"	5/16"	3/16"	1/4"	1/4"	5/16"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	15/16"	1"	1-1/16"			
MONOLITHIC GLASS	C	A	C	C	A	A	C									C	A	C	
INSULATED GLASS																			

**Laminated Glass Thickness
A - Available Glazing Option
C - Adaptor and/or gasket required
Blank - N/A



WINDOWS • CURTAIN WALLS • ENTRANCES • STOREFRONTS

Series D202 Narrow Stile • Series D302 Medium Stile • D502 Wide Stile 2" ThermaStile® Aluminum Swing Entrance Doors

Door Construction

The rails and stiles have a depth of 2", and are constructed of 6063-T6 aluminum alloy. Nominal material wall thickness is .125". The thermal barrier consists of two glass reinforced polyamide nylon struts, mechanically crimped in raceways extruded in the exterior and interior extrusions. Corner construction utilizes a combination of mortise and tenon and a heavy, concealed reinforcement bracket that is deep penetration and fillet welded. All aluminum members have a true thermal barrier. Dual finish capability is available. See Illustration 1.

Frame Construction

The door frame has a depth of 4 1/2", with a sightline of 2". The extrusions are 6063-T6 aluminum alloy. Nominal material wall thickness is .125". The thermal isolator consists of two glass reinforced polyamide nylon struts, mechanically crimped in raceways extruded in the exterior and interior extrusions. Corners incorporate the shear block method of construction. Dual finish capability is available.

Weather-Stripping

Single doors are weather-stripped at the frame with ASTM E2203 compliant bulb gasket and extruded door stops, which are available in integral, snap-in, and surface mounted varieties. See frame section. All pairs of doors are dual weather-stripped at the astragal with Poly-Pile®.

Hardware

EFCO standard doors accommodate most hardware types. Doors accept offset pivots, center pivots, or continuous gear hinges. Maximum security deadbolts, short throw deadbolts, hook bolts, latch locks, and flush bolts are a few of the compatible types of locks. Panic devices include concealed rod devices, rim devices and removable mullions. Concealed overhead, surface mounted and floor closers are accommodated. EFCO Ultraline™ push-pulls are standard. Butt Hinges are not compatible with ThermaStile entrances.

Glazing

Doors are glazed with extruded aluminum, pressure fitting glass stops. Glazing of 3/16" to 1 1/16" insulated units are available. See Glazing chart for exact size.

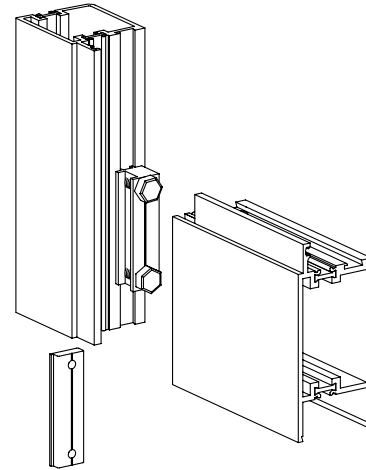


Illustration 1





COATINGS FINISHES COLORS

ULTRAPON (70% PVDF)

STANDARD				FEATURED	
Bone White	White	Antique White	Herring Bone	Ivy	Hartford Green
Mesa Brown	Mineral Brown	Gray	Aged Copper	Blue Sky	Brick Red
Legacy Blue	Denim Blue	Light Brown	Pueblo Tan	Black	

ULTRA-ESCENT II (70% PVDF MICA*)

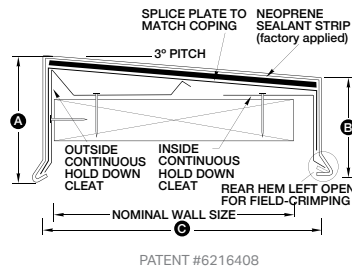
STANDARD			FEATURED		
Weathered Copper	Slate	Raw Sienna	Warm Silver	Sea Spray	Asti
Gun Barrel	Saddle Bronze		Champagne	Aztec Gold	

¹ The color samples shown are not the actual paint. These paint colors represent the production colors as closely as possible within the limitations of color-chip reproduction.

² Additional charges may apply to exotic colors that require a clear topcoat, metallic colors, custom color matches

* Color variation is inherent in, and should be expected with Mica/Ultra-Escent II paint finishes. Laboratory-prepared samples will appear different from production-run material.

PAC-CONTINUOUS CLEAT COPING



The innovative design of the PAC Continuous Cleat Coping permits the installation of a sloped coping cap over extra-wide walls. The support of the cleat substantially reduces sagging, which can induce ponding and the possibility of leaks. For further weather tightness, neoprene strips are factory applied to each hold-down cleat (see illustration above).
Factory-supplied fasteners accompany each coping order to assure proper attachment of the cleats to the wood nailer. Field-crimping on the inside leg of the coping to the inside hold-down cleat completes the installation.

PRODUCT FEATURES

- ▶ Available in up to 12' lengths
- ▶ Full continuous cleat allows for quick installation and low labor costs

- ▶ Superior resistance to high-wind environments
- ▶ Can be custom-fabricated to meet specific job requirements

MATERIALS

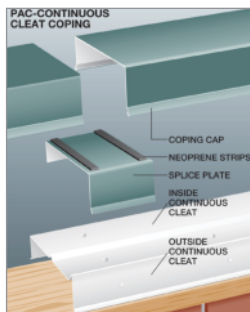
- ▶ 43 stocked colors (24 gauge steel)
- ▶ 15 stocked colors (22 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ 22 stocked colors (.040 aluminum)
- ▶ 29 stocked colors (.050 aluminum)
- ▶ 6 stocked colors (.063 aluminum)
- ▶ Galvalume Plus available
- ▶ Mill Finish Aluminum (.040, .050 and .063 aluminum)
- ▶ Clear & Colored Anodized (.040, .050 and .063 aluminum)

TESTING

- ▶ ANSI/SPRI/FM 4435/ES-1 Standard to comply with the International Building Code
- ▶ Factory Mutual approved for wind uplift protection

WARRANTY

A 20-Year, 120 mph Wind Warranty is available on orders to meet a project's specification. It provides a maximum of 20 years, 120 mph coverage for the repair or replacement of any portion of the roof edge system that has failed due to a defect in the supplied materials.



WIND UPLIFT


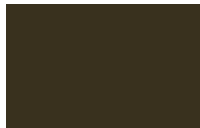

Material	Wall Width	FM I-90	FM I-105	FM I-120	FM I-165	FM I-180
24 ga. steel	16" max	✓				
22 ga. steel	16" max	✓	✓			
22 ga. steel	15" max	✓	✓	✓		
.050, .063 Alum.	24" max	✓	✓			
.050, .063 Alum.	16" max	✓	✓	✓	✓	
.050, .063 Alum.	15" max	✓	✓	✓	✓	✓



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Standard Colors

				
▲ PATINA GREEN	▲ TEAL	▲ HEMLOCK GREEN	▲ FOREST GREEN	▲ HARTFORD GREEN
				
▲ EVERGREEN	▲ HUNTER GREEN	▲ ARCADIA GREEN	▲ MILITARY BLUE	▲ BERKSHIRE BLUE
				
▲ GRAPHITE	▲ CHARCOAL	▲ INTERSTATE BLUE	▲ PACIFIC BLUE (fka Slate Blue)	▲ AWARD BLUE
				
▲ MATTE BLACK STEEL	▲ BLACK ALUMINUM	▲ DARK BRONZE	▲ BURNISHED SLATE	▲ AGED BRONZE
				
▲ MANSARD BROWN	▲ BURGUNDY	▲ TERRA COTTA	▲ CARDINAL RED	▲ COLONIAL RED
				
▲ MIDNIGHT BRONZE	▲ MUSKET GRAY	▲ SIERRA TAN	▲ SANDSTONE	▲ ALMOND
				
▲ SLATE GRAY	▲ CITYSCAPE	▲ GRANITE	▲ STONE WHITE	▲ BONE WHITE



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