

Downtown Knoxville Design Overlay District Certificate of Appropriateness

Name of Applicant: John L. Sanders, AIA

Owner Contractor Architect Engineer Other _____

Date Filed: 7/29/2016 Application accepted by: Mike Reynolds

Fee Amount: 50.⁰⁰ Review Date: 8/17/2016 File Number: 8-A-16-DT

PRE-APPLICATION CONFERENCE		Date Completed: <u>29 July, 2016</u>
<p style="text-align: center;">PROPERTY INFORMATION</p> <p>Building or Project Name: <u>Mechanic's Bank and Trust Company Building</u></p> <p>Street Address: <u>612 South Gay Street</u></p> <p>Parcel Identification Number(s): <u>0951F034</u></p>	<p style="text-align: center;">PROJECT ARCHITECT/ENGINEER</p> <p>PLEASE PRINT Name: <u>John L. Sanders, AIA</u></p> <p>Company: <u>Sanders Pace Architecture</u></p> <p>Address: <u>514 West Jackson Avenue, Suite 102</u></p> <p>City: <u>Knoxville</u> State: <u>TN</u> Zip: <u>37902</u></p> <p>Telephone: <u>865-329-0316</u></p> <p>Fax: <u>865-546-2348</u></p> <p>E-mail: <u>jsanders@sanderspace.com</u></p>	
<p style="text-align: center;">PROPERTY OWNER</p> <p>PLEASE PRINT Name: <u>Doug Toppenberg & J. Elaine Burke</u></p> <p>Company: <u>Toppenberg & Burke, P.C.</u></p> <p>Address: <u>612 South Gay Street</u></p> <p>City: <u>Knoxville</u> State: <u>TN</u> Zip: <u>37902</u></p> <p>Telephone: <u>865-522-8767</u></p> <p>Fax: <u>865-522-0130</u></p> <p>E-mail: <u>djt@tbpc.pro</u></p>	<p style="text-align: center;">PROJECT CONTRACTOR</p> <p>PLEASE PRINT Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____ State: _____ Zip: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p>	
<p>ACCOMPANYING MATERIALS</p> <p>Please see the reverse side of this form for a list of information required as part of this application.</p>		
FOR OFFICE USE ONLY		
<p style="text-align: center;">PROJECT INFORMATION</p> <p>LEVEL 1: \$50</p> <p><input checked="" type="checkbox"/> Minor Alteration of an Existing Building/Structure</p> <p><input type="checkbox"/> Sign</p> <p>LEVEL 2: \$100</p> <p><input type="checkbox"/> Major Alteration of an Existing Building/Structure</p> <p><input type="checkbox"/> Addition to an Existing Building/Structure</p> <p>LEVEL 3: \$250</p> <p><input type="checkbox"/> Construction of New Building/Structure</p>	<p style="text-align: center;">PROJECT CONTACT</p> <p>All application-related correspondence should be directed to:</p> <p>PLEASE PRINT Name: <u>John L. Sanders, AIA</u></p> <p>Company: <u>Sanders Pace Architecture</u></p> <p>Address: <u>514 West Jackson Avenue, Suite 102</u></p> <p>City: <u>Knoxville</u> State: <u>TN</u> Zip: <u>37902</u></p> <p>Telephone: <u>865-329-0316</u></p> <p>Fax: <u>865-546-2348</u></p> <p>E-mail: <u>jsanders@sanderspace.com</u></p>	

NOTE: Payment is due at time of application. Please make check payable to Knoxville Knox County Metropolitan Planning Commission.



8-A-16-DT

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

Petitioner: John Sanders, Sanders Pace Architecture

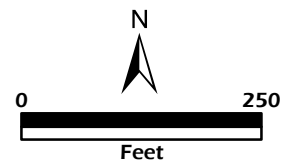
**DOWNTOWN
DESIGN
REVIEW
BOARD**



612 S Gay St

Level 1: Minor alteration of an existing building/structure

Original Print Date: 3/21/2016 Revised:
Metropolitan Planning Commission * City / County Building * Knoxville, TN 37902



Record #: 1518.01

29 July 2016

Knoxville - Knox County Metropolitan Planning Commission | Downtown Design Review Board
City-County Building, Suite 403
400 Main Street
Knoxville, TN 37902

RE: Exterior Renovation of the Mechanic's Bank and Trust Company Building

Agenda - 17 August 2016 Meeting

Description of Work:

This project involves the exterior renovation of the Mechanic's Bank and Trust Company Building, which includes the following scope of work:

1. Clean, tuck-point, anchor, and repair the exterior masonry veneer of the building. This includes the existing brick located on the north, east, and south facades as well as the marble of the west facade.
2. Remove and replace the existing windows (specified in scaled drawings) with double-hung aluminum clad wood windows to more closely match the historic patterning and profile originally specified for the building. Similarly, we are proposing to reactivate brick infilled openings to more closely match historic patterning and profile originally specified for the building. Remove existing louvered vents and infill with brick to closely match existing masonry palette.
3. Remove inactive and unnecessary electrical conduit that is currently attached to the building's exterior.
4. Repair and repaint existing steel fire escape on south facade and exterior steel egress stair nearest to east facade.
5. Remove existing code-deficient fire escape doors and replace with 45 minute rated doors. Fire-rated glazing to be installed where necessary to prepare building for future residential use.
6. Remove existing fire escape and accompanying door on level 02 on north facade and infill door opening with new brick infill to closely match existing masonry. Infill other openings on north facade with new brick to create suitable fire-protective separation from the adjacent building.
7. Remove existing awning on west (Gay Street) facade to more closely match original facade design.
8. Install concealed exterior lighting to activate the prominent west facade at night.

Proposed Materials

*All proposed materials and their locations can be found in scaled drawings.

West (Gay Street) Facade:

1. Aluminum clad wood windows to match historic patterning and profile.
2. Black concealed exterior lighting fixtures minimize visual impact on facade during daylight hours.

South Facade:

1. Brick infill where required to match existing masonry palette.
2. Aluminum clad wood windows to match historic patterning and profile.
3. Hollow metal frame wood doors.

East Facade:

1. Brick infill where required to match existing masonry palette.
2. Aluminum clad wood windows to match historic patterning and profile.
3. Precast window sills to match existing sills.

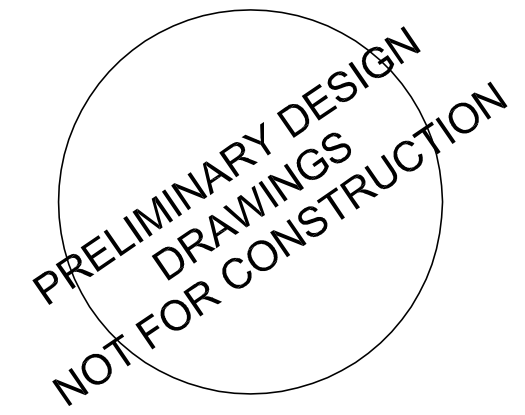
North Facade:

1. Brick infill where required to match existing masonry palette.
2. Aluminum clad wood windows to match historic glazing patterning and profile.
3. Metal bracket for support of existing condensing unit.

THE MECHANIC'S BANK AND TRUST BUILDING

Exterior Renovation Proposal for
612 South Gay Street
Knoxville, Tennessee 37902

SPA PROJECT #: 1518



THESE DOCUMENTS ARE INVALID WITHOUT A SIGNED STAMP BY PROFESSIONAL

DOUG TOPPENBERG & J. ELAINE BURKE
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CONTACT: JOHN KENNY, P.E.

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CONTACT: LARRY HEADLA, P.E.

PROJECT DATA

APPLICABLE CODES

2012 INTERNATIONAL BUILDING CODE (WITH LOCAL AMENDMENTS)
2012 INTERNATIONAL EXISTING BUILDING CODE (WITH LOCAL AMENDMENTS IF APPLICABLE)
2008 NATIONAL ELECTRIC CODE (WITH LOCAL AMENDMENTS IF APPLICABLE)
2012 INTERNATIONAL PLUMBING CODE (WITH LOCAL AMENDMENTS IF APPLICABLE)
2012 INTERNATIONAL GAS CODE WITH (WITH LOCAL AMENDMENTS IF APPLICABLE)
2012 INTERNATIONAL MECHANICAL CODE (WITH LOCAL AMENDMENTS IF APPLICABLE)
2012 INTERNATIONAL FIRE CODE (WITH LOCAL AMENDMENTS IF APPLICABLE)
2009 ANSI/ICC ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
2012 INTERNATIONAL ENERGY CONSERVATION CODE

BUILDING DATA

City of Knoxville Zoning Ordinance
Currently Zoned C-2/D-1

Existing Gross Floor Area:

Level 05: ~3,732 SF
Level 04: 3,732 SF
Level 03: 3,756 SF
Level 02: 3,655 SF
Mezzanine: 2,357 SF
Level 01: 3,580 SF
Basement: 3,493 SF

TOTAL: 24,305 SF

Occupancy Classification:

Business Occupancy (BO)

NO CHANGE IN OCCUPANCY

OCCUPANT LOAD:

Business = 100 Gross

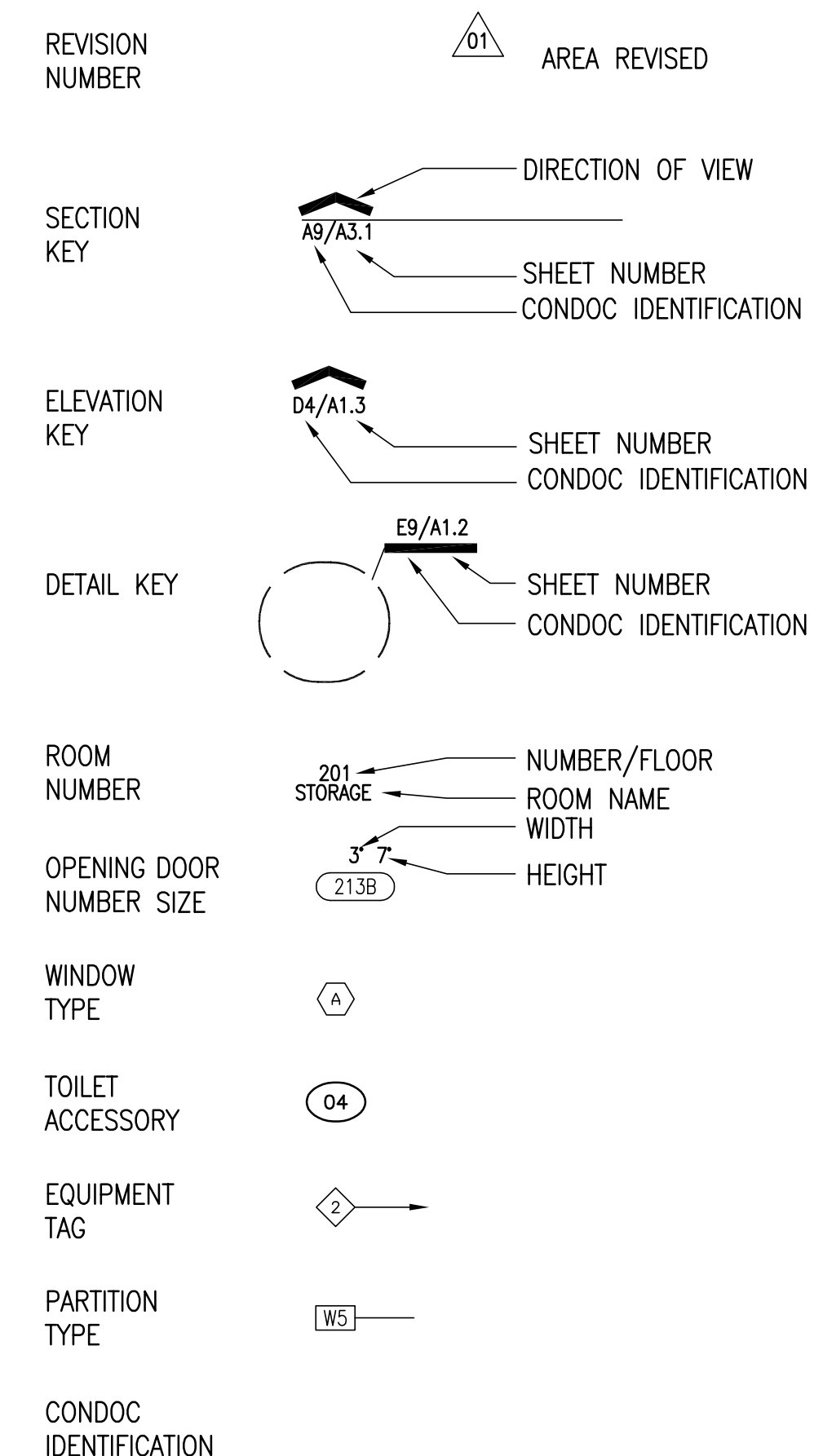
Construction Type:

Construction Type: Type II-A, Unprotected, Unsprinklered
Max. Number of Stories = 5
Max. Floor Area/Floor = 37,500 SF

Fire-Resistance Rated Construction Requirements:

Primary Structural Frame: 1 Hour
Bearing Walls (Interior): 1 Hour
Bearing Walls (Exterior): 1 Hour
Nonbearing Walls and Partitions (Interior): 0 Hour
Nonbearing Walls and Partitions (Exterior): 0 Hour
Floor Construction: 1 Hour
Roof Construction: 1 Hour

DRAWING SYMBOLS



XY	TITLE
FILENAME	SCALE

PROJECT LOCATION

DRAWING LIST

COVER SHEET WITH NOTES

ARCHITECTURAL DRAWINGS
D2.1 - WEST ELEVATION & EAST ELEVATION | DEMOLITION SCOPE
D2.2 - SOUTH ELEVATION | DEMOLITION SCOPE
D2.3 - NORTH ELEVATION | DEMOLITION SCOPE
A3.1 - WEST ELEVATION & EAST ELEVATION | PROPOSED
A3.2 - SOUTH ELEVATION ELEVATION | PROPOSED
A3.3 - NORTH ELEVATION | PROPOSED
A6.1 - DOOR & WINDOW ELEVATIONS

THESE DOCUMENTS ARE INVALID WITHOUT SIGNED STAMPS

EXISTING COND.	14 JUNE 2016
D.D.R.B. SUBMITAL	29 JULY 2016

MECHANIC'S BANK AND TRUST BUILDING

EXISTING CONDITIONS OF
612 SOUTH GAY STREET
KNOXVILLE, TENNESSEE 37902
SPA PROJECT #: 1518

PRELIMINARY DESIGN
DRAWINGS
NOT FOR CONSTRUCTION

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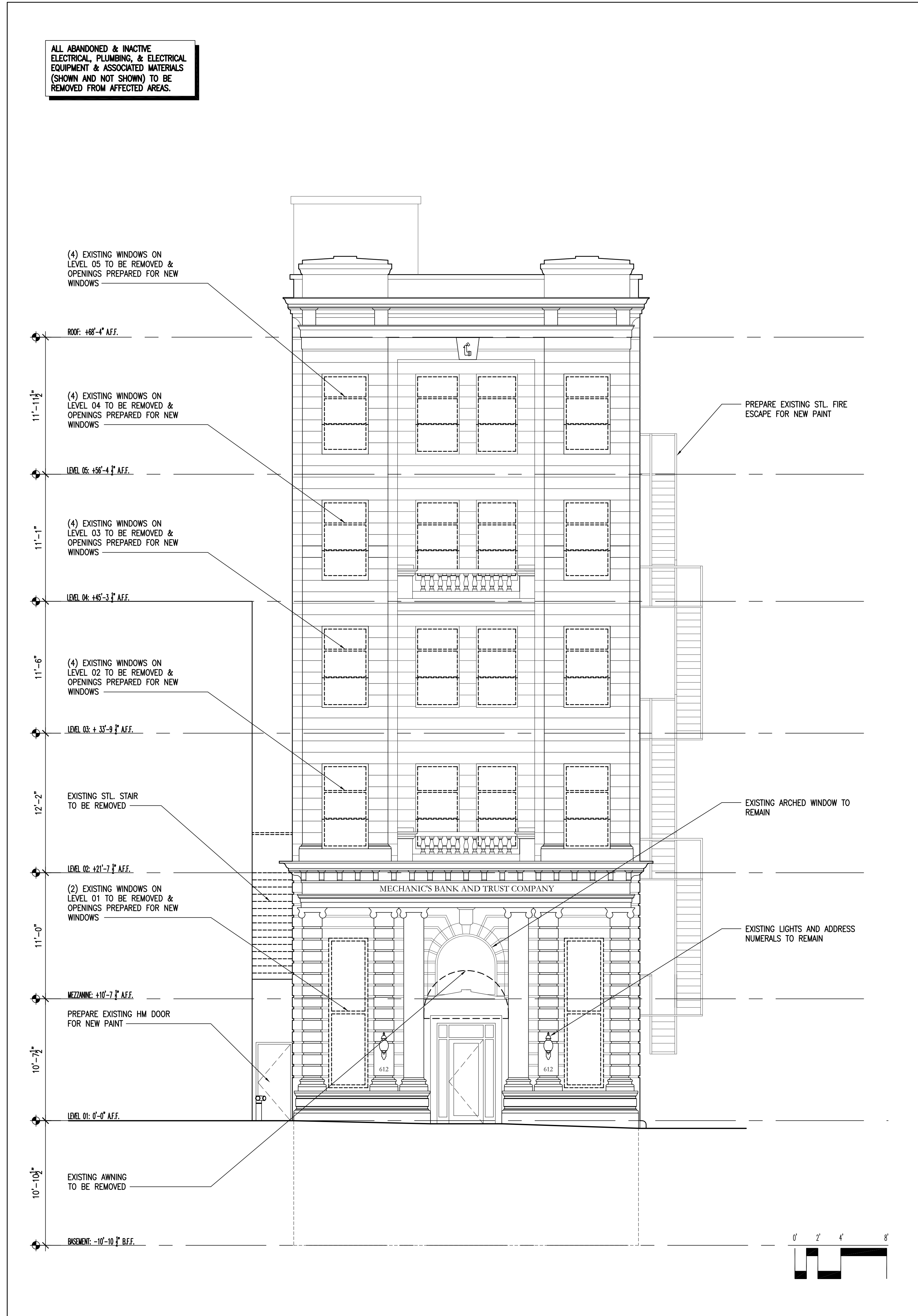
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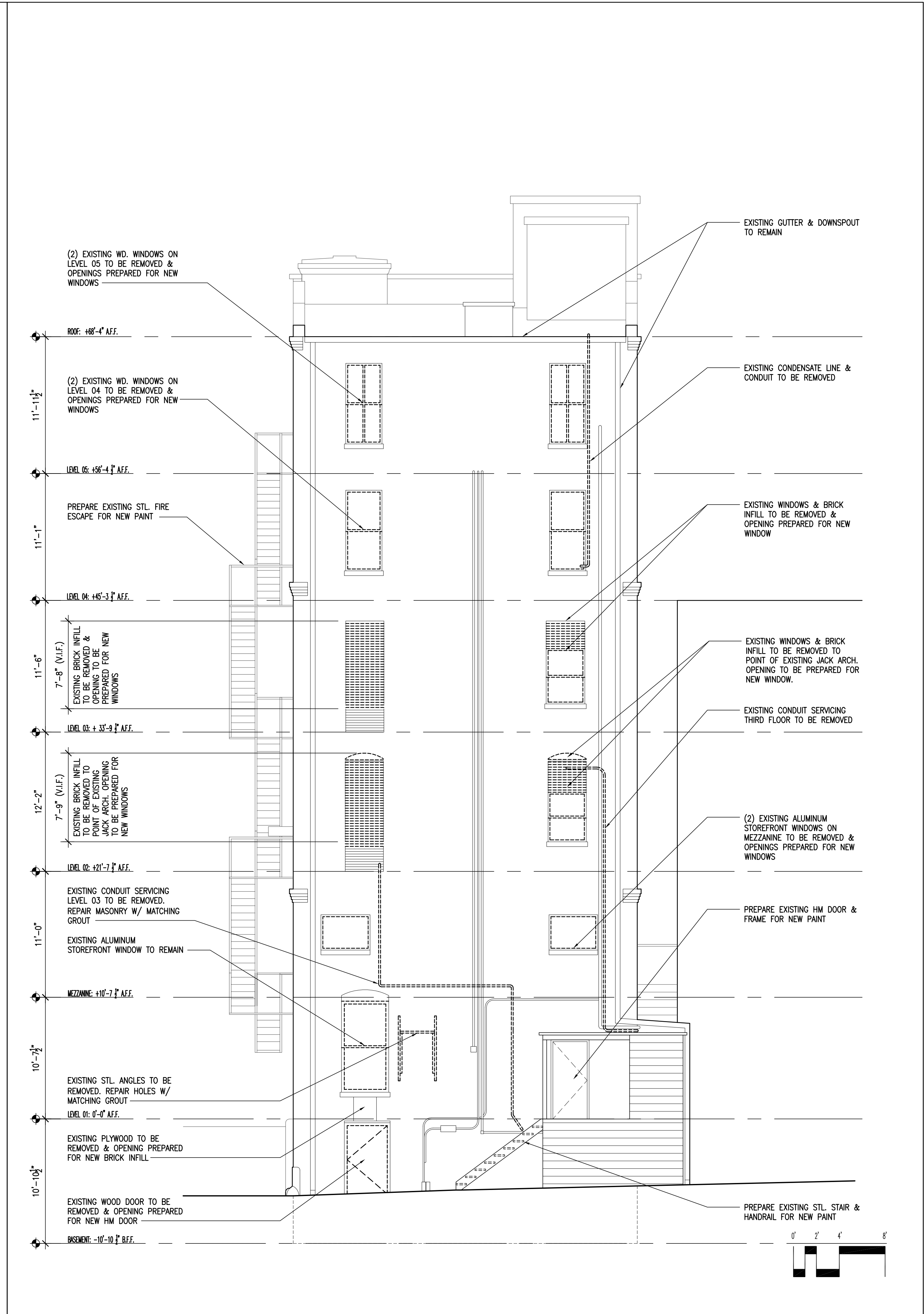
WEST & EAST ELEVATIONS

D2.1
1518_D21.DWG

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A4 ELEVATION | DEMOLITION SCOPE
1518_XELEV 3/16"=1'-0"



A12 ELEVATION | DEMOLITION SCOPE
1518_XELEV 3/16"=1'-0"

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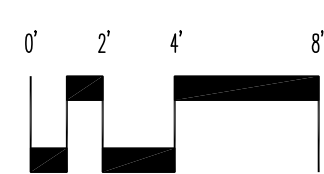
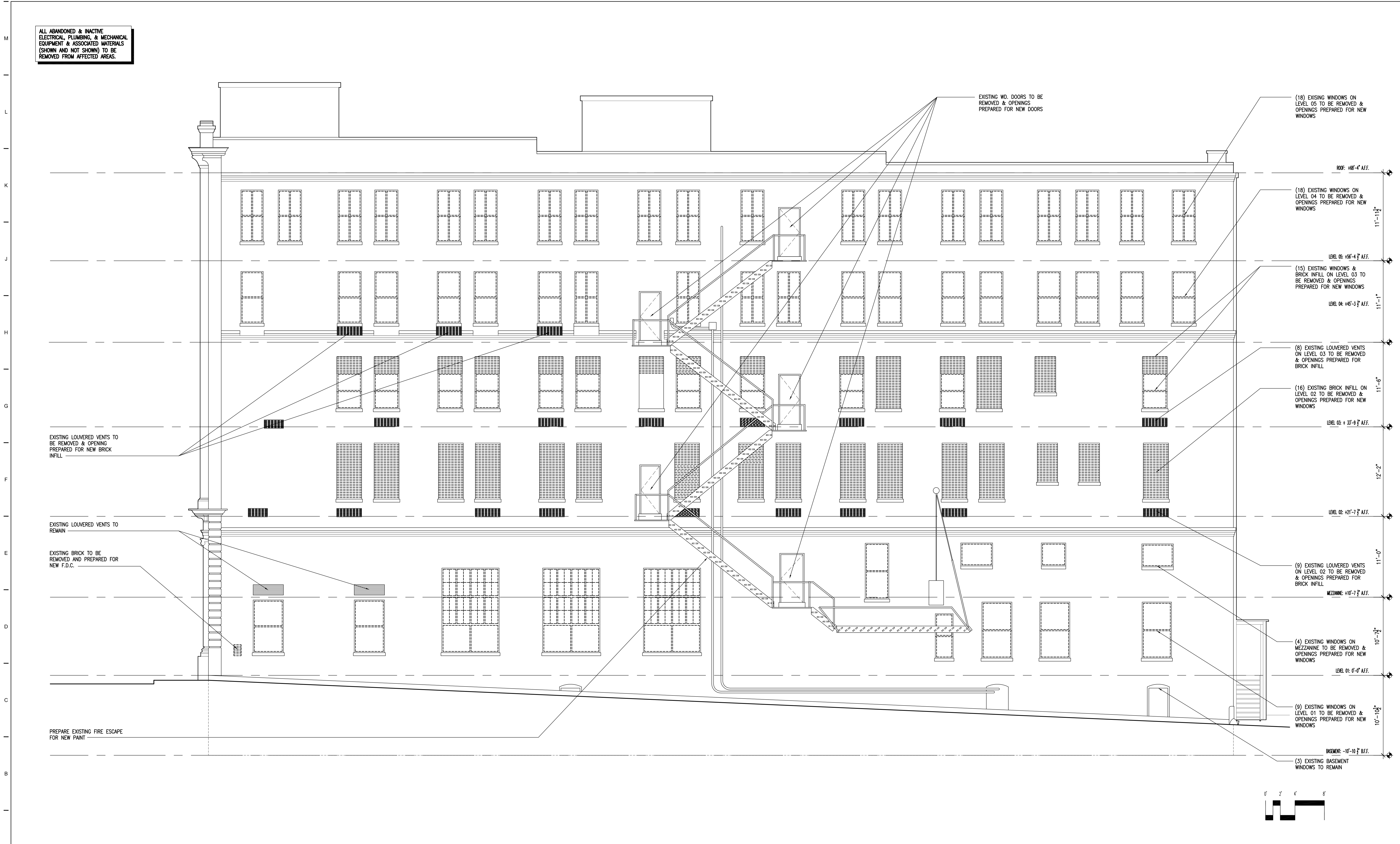
SOUTH ELEVATION

D2.2

1518_D22.DWG

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ALL ABANDONED & INACTIVE
ELECTRICAL, PLUMBING, & MECHANICAL
EQUIPMENT & ASSOCIATED MATERIALS
(SHOWN AND NOT SHOWN) TO BE
REMOVED FROM AFFECTED AREAS.

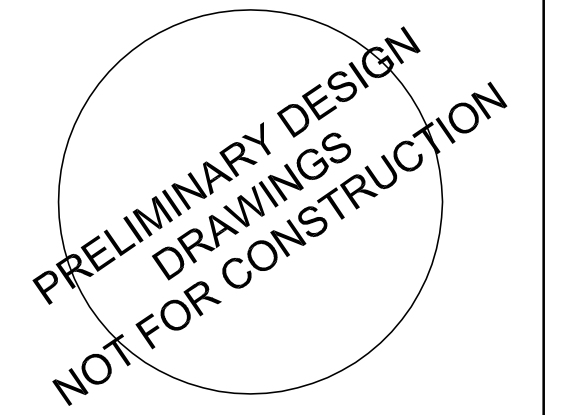


A1	ELEVATION DEMOLITION SCOPE	
1518_XELEV	3/16" = 1'-0"	SOUTH ELEVATION

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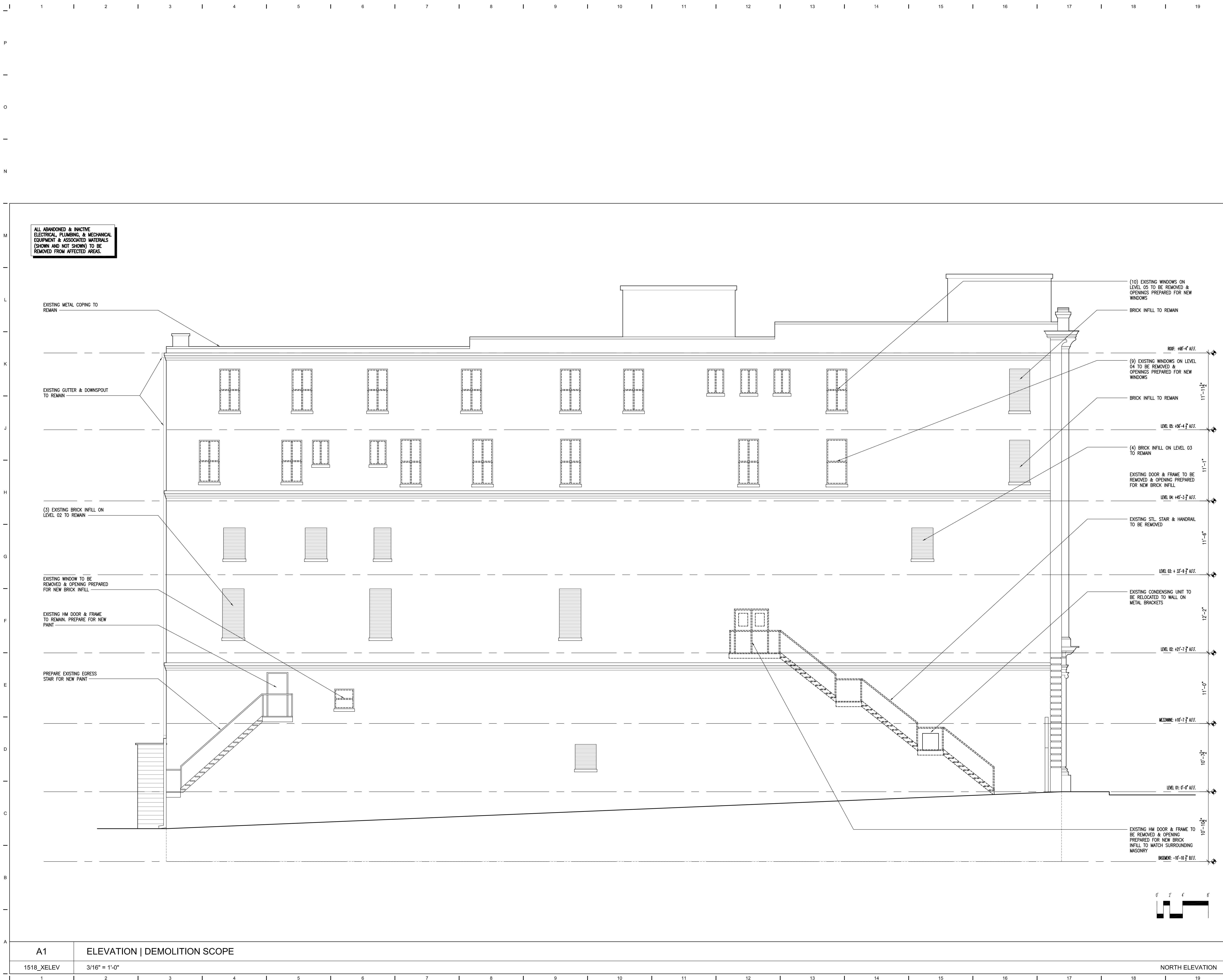
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NORTH ELEVATION

D2.3

1518_D23.DWG

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EXISTING METAL COPING TO REMAIN

EXISTING GUTTER & DOWNSPOUT TO REMAIN

(3) EXISTING BRICK INFILL ON LEVEL 02 TO REMAIN

EXISTING WINDOW TO BE REMOVED & OPENING PREPARED FOR NEW BRICK INFILL

EXISTING HM DOOR & FRAME TO REMAIN. PREPARE FOR NEW PAINT

PREPARE EXISTING EGRESS STAIR FOR NEW PAINT

(10) EXISTING WINDOWS ON LEVEL 05 TO BE REMOVED & OPENINGS PREPARED FOR NEW WINDOWS

ROOF: +56'-4" AFF.

(9) EXISTING WINDOWS ON LEVEL 04 TO BE REMOVED & OPENINGS PREPARED FOR NEW WINDOWS

LEVEL 06: +56'-4" AFF.

(4) BRICK INFILL ON LEVEL 03 TO REMAIN

EXISTING DOOR & FRAME TO BE REMOVED & OPENING PREPARED FOR NEW BRICK INFILL

LEVEL 06: +45'-3" AFF.

EXISTING STL. STAIR & HANDRAIL TO BE REMOVED

LEVEL 06: +35'-9" AFF.

EXISTING CONDENSING UNIT TO BE RELOCATED TO WALL ON METAL BRACKETS

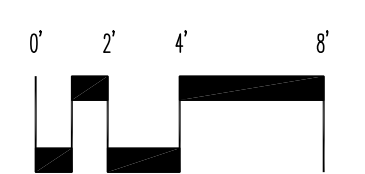
LEVEL 06: +21'-7" AFF.

MEZZANINE: +10'-7" AFF.

LEVEL 01: 0'-0" AFF.

EXISTING HM DOOR & FRAME TO BE REMOVED & OPENING PREPARED FOR NEW BRICK INFILL TO MATCH SURROUNDING MASONRY

BASELINE: +10'-10" AFF.



A1 ELEVATION | DEMOLITION SCOPE

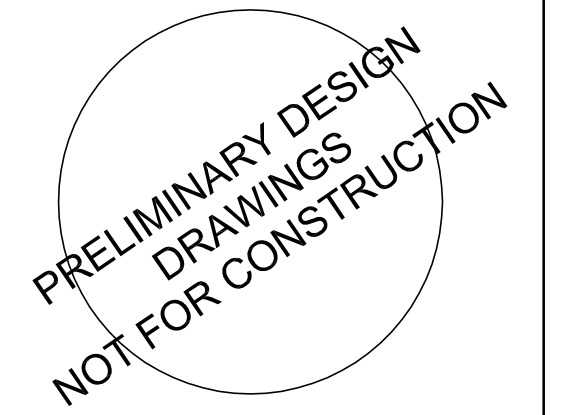
1518_XELEV 3/16" = 1'-0"

NORTH ELEVATION

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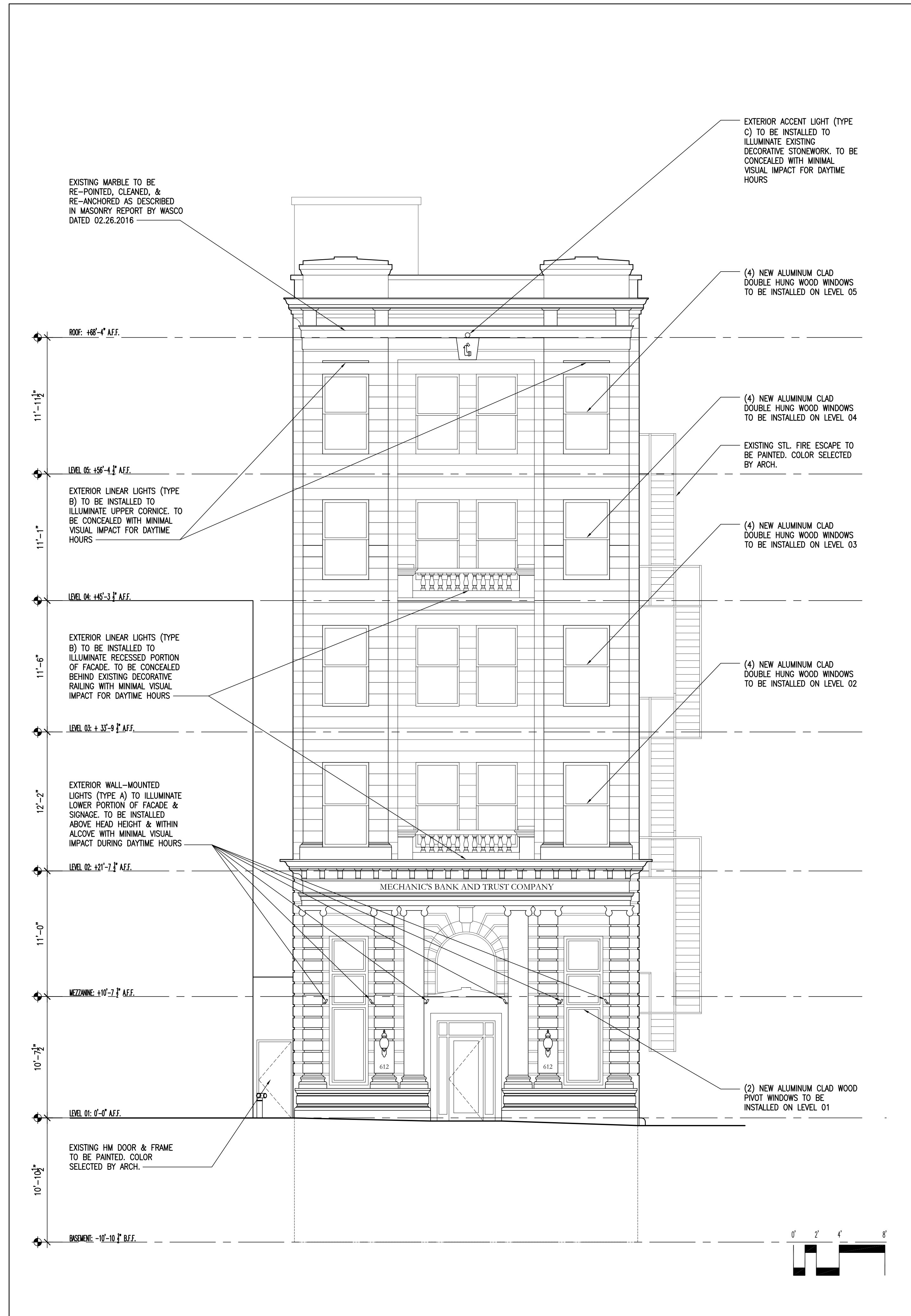
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WEST & EAST ELEVATIONS

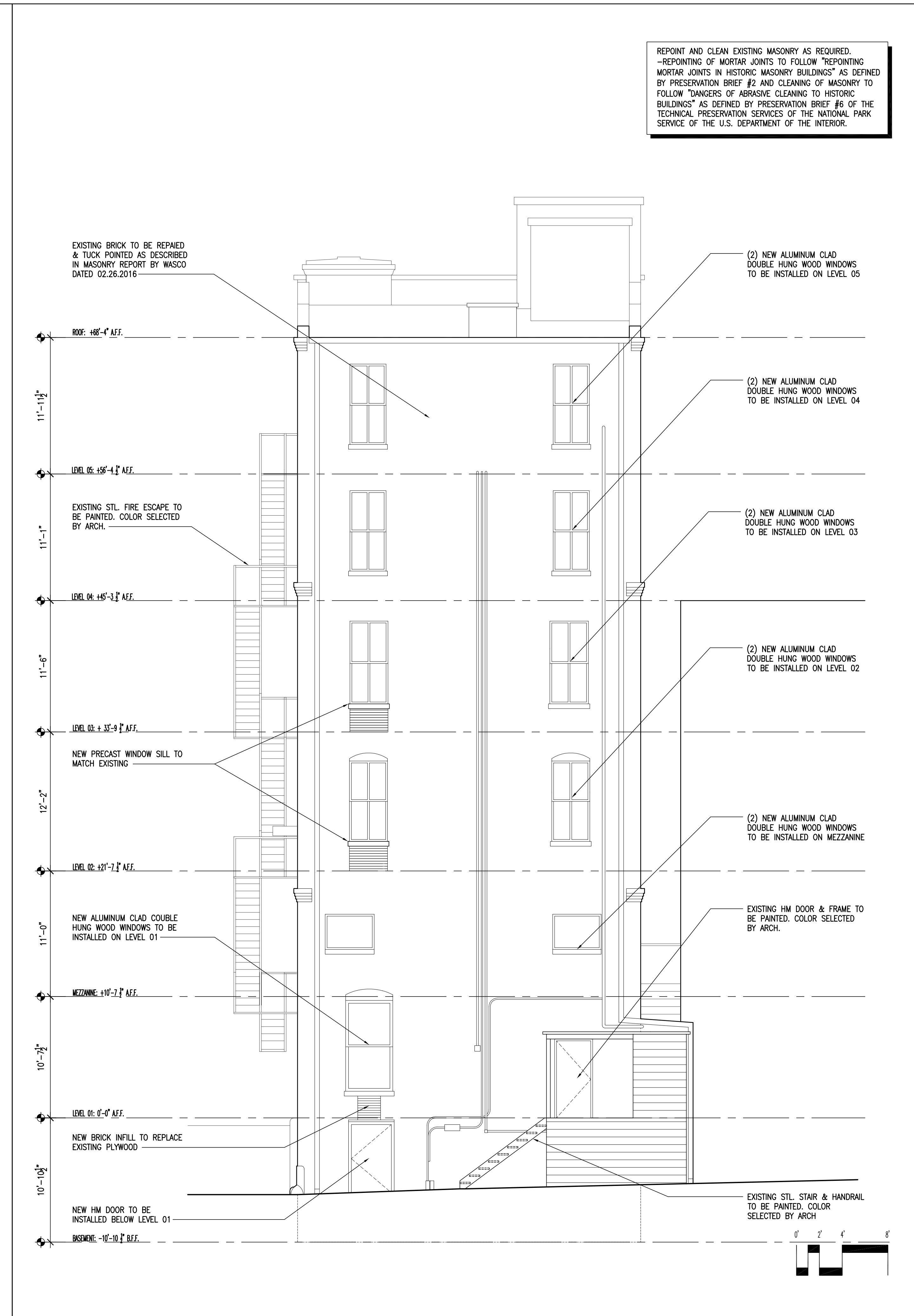
A3.1

1518_A31.DWG

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A4	WEST ELEVATION
1518_XELEV	3/16"=1'-0"

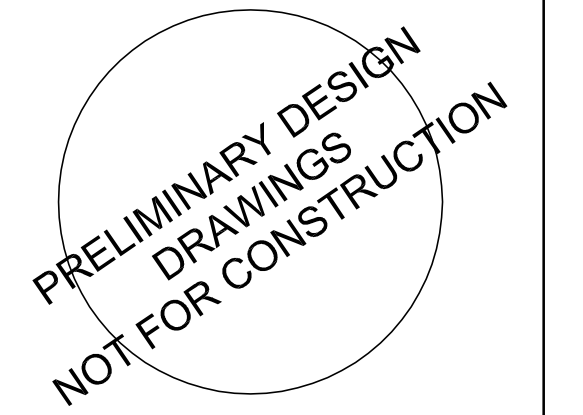


A12	EAST ELEVATION
1518_XELEV	3/16"=1'-0"

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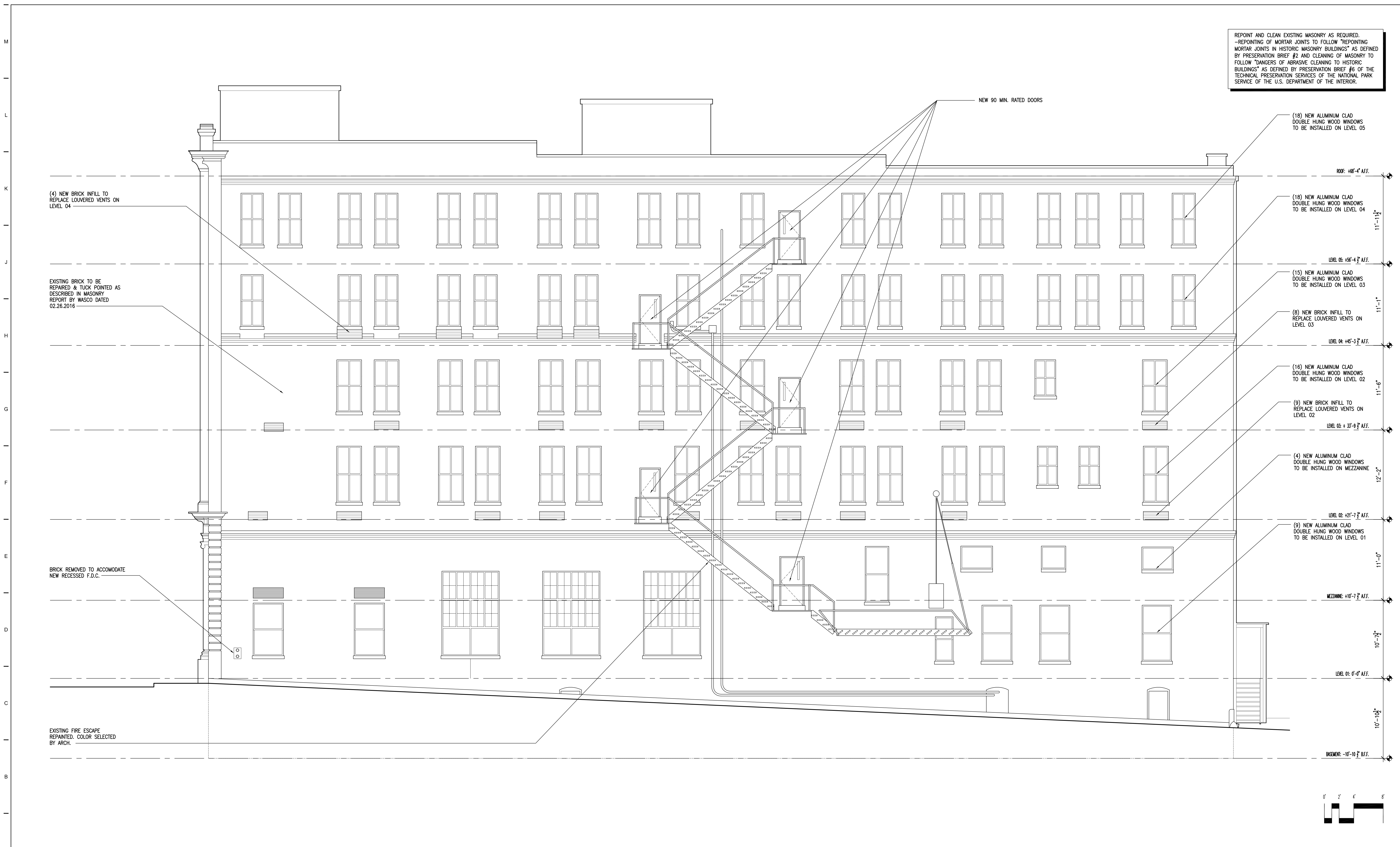
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REPORT AND CLEAN EXISTING MASONRY AS REQUIRED.
-REPOINTING OF MORTAR JOINTS TO FOLLOW "REPOINTING MORTAR JOINTS IN HISTORIC MASONRY BUILDINGS" AS DEFINED BY PRESERVATION BRIEF #2 AND CLEANING OF MASONRY TO FOLLOW "DANGERS OF ABRASIVE CLEANING TO HISTORIC BUILDINGS" AS DEFINED BY PRESERVATION BRIEF #6 OF THE TECHNICAL PRESERVATION SERVICES OF THE NATIONAL PARK SERVICE OF THE U.S. DEPARTMENT OF THE INTERIOR.



A1
1518_XELEV

SOUTH ELEVATION
3/16" = 1'-0"

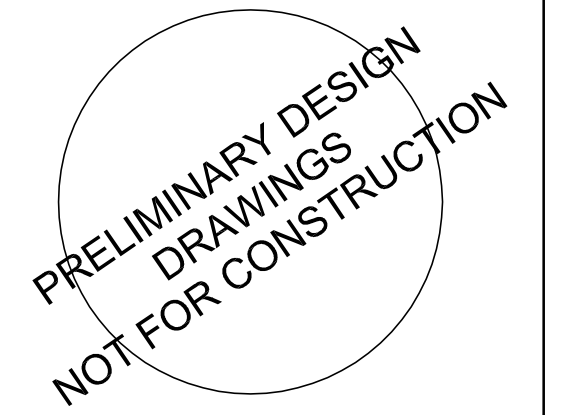
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SOUTH ELEVATION
A3.2
1518_A32.DWG
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CONTACT: LARRY HEADLA, P.E.

REPORT AND CLEAN EXISTING MASONRY AS REQUIRED.
-REPOINTING OF MORTAR JOINTS TO FOLLOW "REPOINTING MORTAR JOINTS IN HISTORIC MASONRY BUILDINGS" AS DEFINED BY PRESERVATION BRIEF #2 AND CLEANING OF MASONRY TO FOLLOW "DANGERS OF ABRASIVE CLEANING TO HISTORIC BUILDINGS" AS DEFINED BY PRESERVATION BRIEF #6 OF THE TECHNICAL PRESERVATION SERVICES OF THE NATIONAL PARK SERVICE OF THE U.S. DEPARTMENT OF THE INTERIOR.

(10) NEW ALUMINUM CLAD DOUBLE HUNG WOOD WINDOWS TO BE INSTALLED ON LEVEL 05

(9) ALUMINUM CLAD DOUBLE HUNG WOOD WINDOWS TO BE INSTALLED ON LEVEL 04

EXISTING HM DOOR & FRAME TO BE REPLACED WITH NEW BRICK INFILL

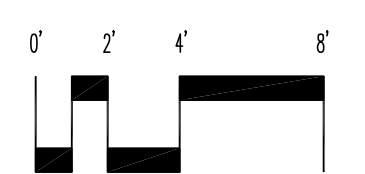
EXISTING CONDENSING UNIT MOVED TO NEW LOCATION, SUPPORTED BY NEW METAL BRACKETS

EXISTING BRICK TO BE REPAIRED AND TUCK POINTED AS DESCRIBED IN MASONRY REPORT BY MASCO DATED 02.26.2016

EXISTING WINDOW REPLACED WITH NEW BRICK INFILL

EXISTING HM DOOR & FRAME TO BE PAINTED. COLOR SELECTED BY ARCH.

EXISTING STL. EGRESS STAIR TO BE PAINTED. COLOR SELECTED BY ARCH.



EXISTING COND. 14 JUNE 2016

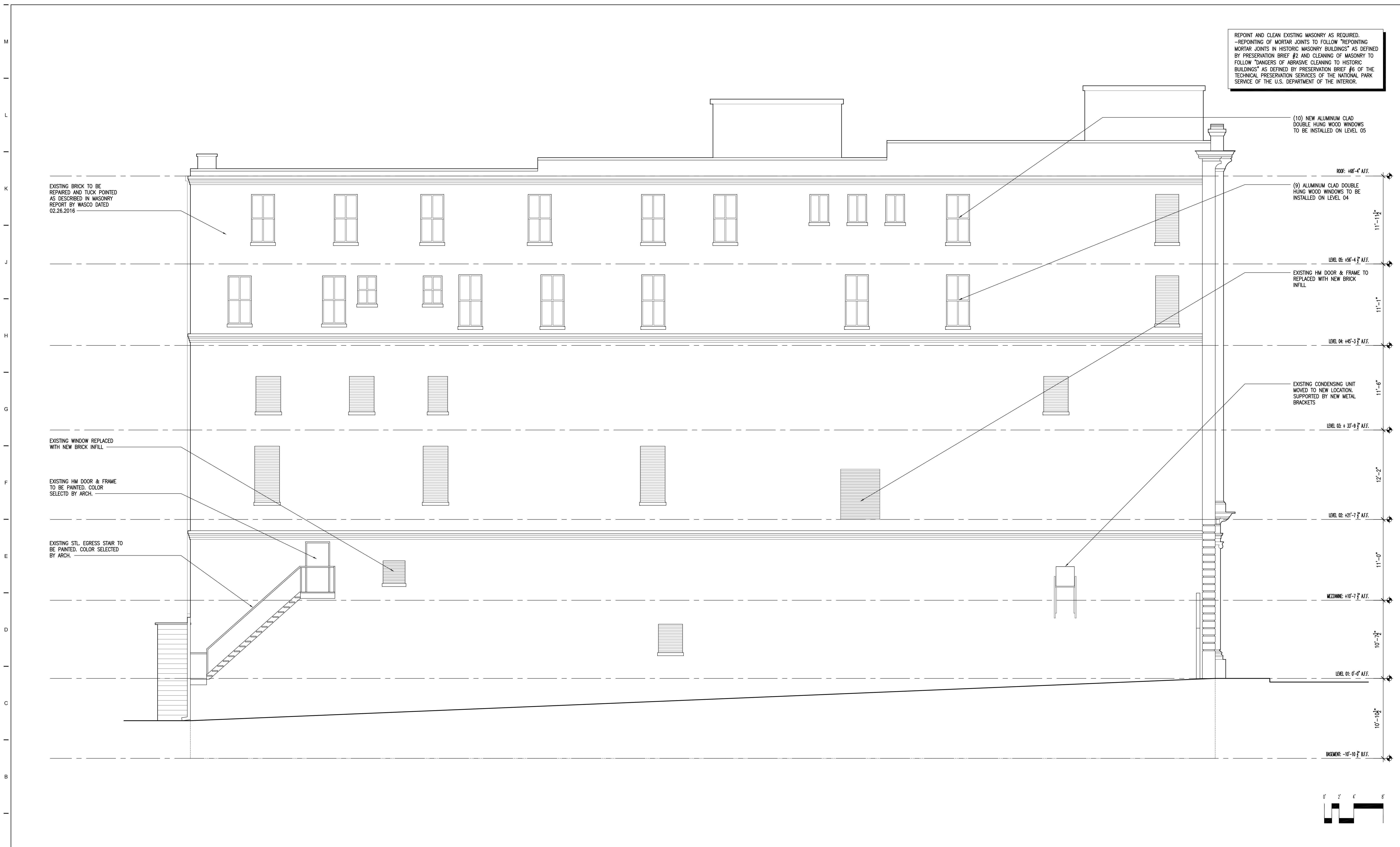
D.D.R.B. SUBMITTAL 29 JULY 2016

NORTH ELEVATION

A3.3

1518_A33.DWG

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A1	NORTH ELEVATION
1518_XELEV	3/16" = 1'-0"

MECHANIC'S BANK AND TRUST BUILDING

EXISTING CONDITIONS OF
612 SOUTH GAY STREET
KNOXVILLE, TENNESSEE 37902

SPA PROJECT #: 1518

PRELIMINARY DESIGN
DRAWINGS
NOT FOR CONSTRUCTION

THESE DOCUMENTS ARE INVALID WITHOUT A SIGNED STAMP BY PROFESSIONAL

OWNER:
DOUG TOPPENBERG & J. ELAINE BURKE
612 SOUTH GAY STREET,
SUITE 1
KNOXVILLE, TENNESSEE 37902
T 865.522.8767
CONTACT: DOUG TOPPENBERG

ARCHITECT:
SANDERS PACE ARCHITECTURE
514 WEST JACKSON AVENUE
SUITE 102
KNOXVILLE, TENNESSEE 37902
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F 865.546.2348
CONTACT: JOHN L. SANDERS, AIA

MECHANICAL ENGINEER:
FACILITY SYSTEMS CONSULTANTS, LLC
713 SOUTH CENTRAL STREET
KNOXVILLE, TENNESSEE 37902
T 865.246.0164
F 865.246.1084
CONTACT: JOHN KENNY, P.E.

ELECTRICAL ENGINEER:
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713 SOUTH CENTRAL STREET
KNOXVILLE, TENNESSEE 37902
T 865.246.0164
F 865.246.1084
CONTACT: LARRY HEADLA, P.E.

EXISTING COND. 14 JUNE 2016

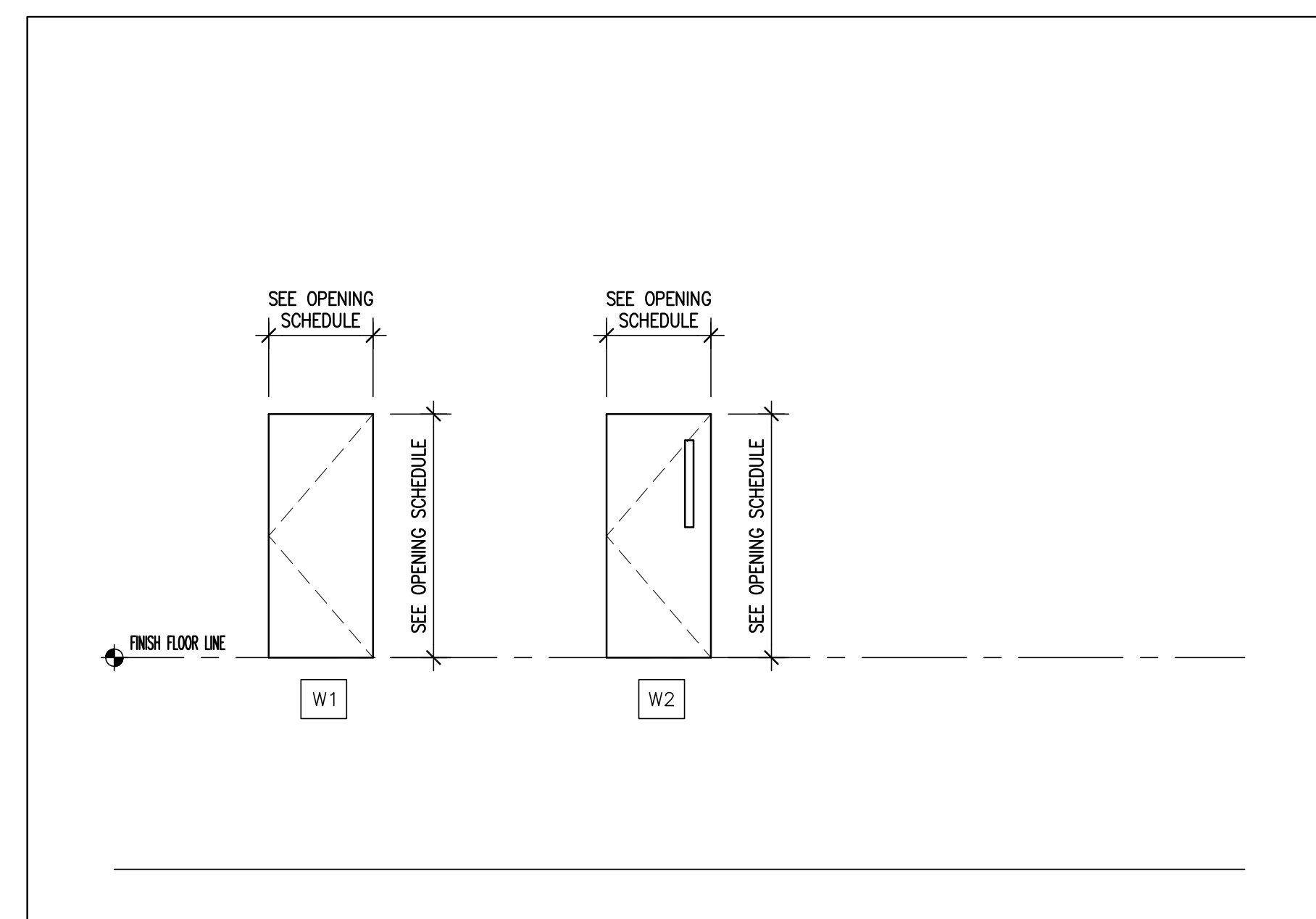
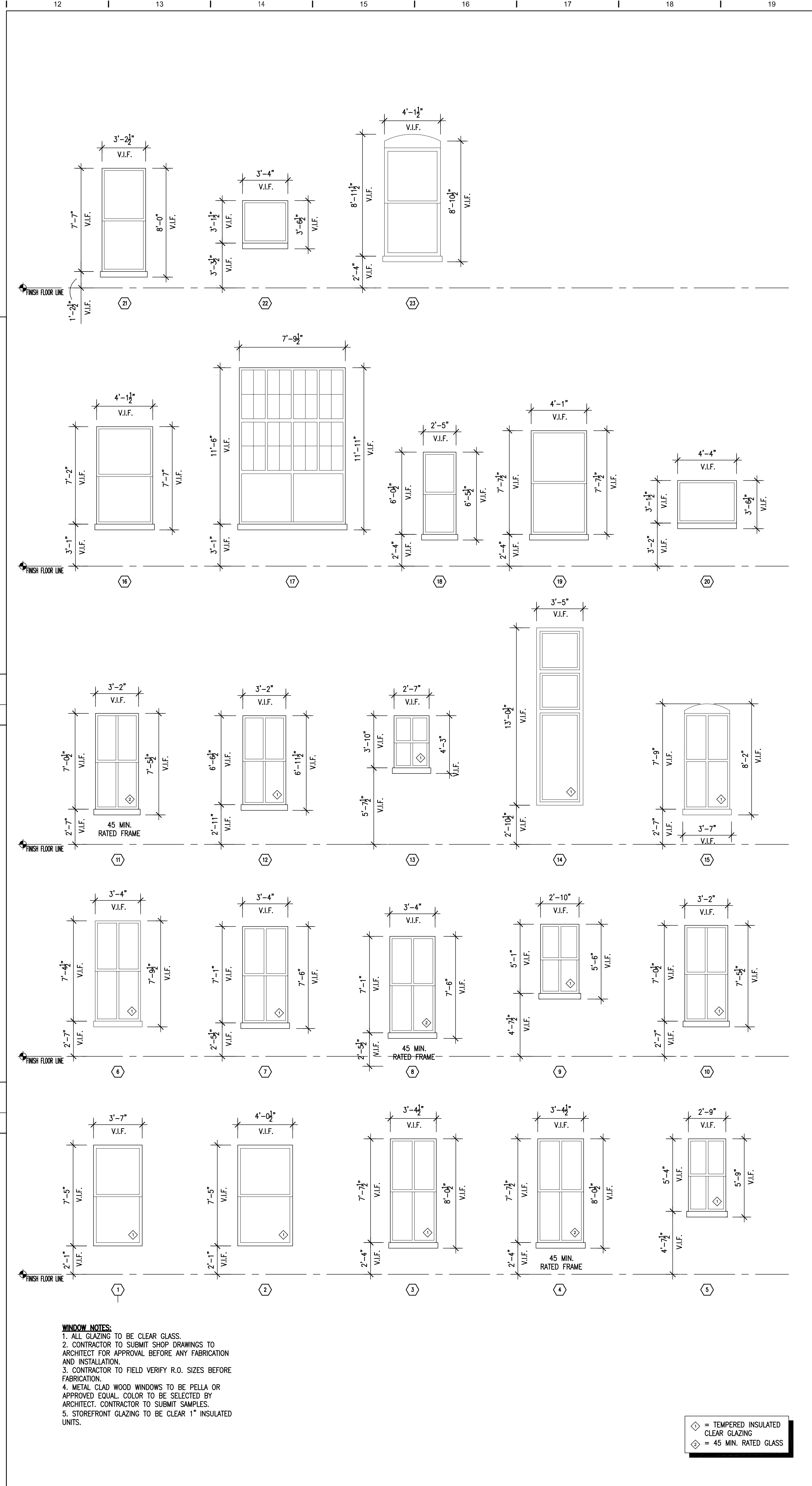
D.D.R.B. SUBMITTAL 29 JULY 2016

DOOR & WINDOW ELEVATIONS

A6.1

1518_A61

© 2016 SANDERS PACE ARCHITECTURE



J7 DOOR ELEVATIONS
1518_XSCDR 1/4" = 1'-0"

MARK	DOOR SIZE		DOOR TYPE	FRAME TYPE	HARDWARE	FINISH	RATING	REMARKS
	WIDTH	HEIGHT						
203A	2'-8" V.I.F.	7'-2" V.I.F.	W2	HM	HW-1	--	45 MIN.	CLOSER
301A	3'-0"	7'-0"	W1	HM	HW-1	--	90 MIN.	CLOSER
303A	2'-7.5" V.I.F.	7'-2" V.I.F.	W2	HM	HW-1	--	45 MIN.	CLOSER
401A	3'-0"	7'-0"	W1	HM	HW-1	--	90 MIN.	CLOSER
403A	2'-8" V.I.F.	7'-1" V.I.F.	W2	HM	HW-1	--	45 MIN.	CLOSER

— SEE OPENING NOTES & HARDWARE SCHEDULE FOR ADDITIONAL INFORMATION & REQUIREMENTS.

E7 OPENING SCHEDULE
1518_XSCDR NTS

GENERAL NOTES:

- CONTRACTOR TO CONSULT WITH ARCHITECT/OWNER FOR KEYING AND HARDWARE REQUIREMENTS.
- SEE DOOR ELEVATIONS FOR TYPES.
- WOOD DOORS TO BE 1 3/4" THICK, WHITE BIRCH VENEER, SOLID CORE STAIN GRADE.
- ALL FINISHES, STAINS, AND SEALANTS TO BE SUBMITTED FOR APPROVAL BY ARCHITECT. FINISHES TO MATCH EXISTING FINISHES WITHIN BUILDING WHERE APPLICABLE. CONSULT W/ ARCHITECT.
- SHOP DRAWINGS AND SCHEDULES FOR DOORS AND HARDWARE TO BE SUBMITTED FOR APPROVAL BY ARCHITECT PRIOR TO FABRICATION & INSTALLATION.
- CONTRACTOR TO COORDINATE OWNER PROVIDED ENTRY KEYPADS & OTHER SECURITY SYSTEM DEVICES W/ OWNER, SECURITY SYSTEM INSTALLER, & ELECTRICAL SUBCONTRACTOR AS REQ'D. CONTRACTOR TO VERIFY ALL ELECTRICAL REQ'S OF NEW SECURITY SYSTEM W/ SECURITY SYSTEM INSTALLER & ELECTRICAL SUBCONTRACTOR PRIOR TO ROUGH-IN.
- ALL FRAMES TO BE KNOCK DOWN HOLLOW METAL FRAMES U.N.O.
- ALL EXISTING HARDWARE TO BE INSPECTED BY CONTRACTOR FOR PROPER OPERATION. REPAIR AS REQUIRED.
- ALL EXTERIOR DOORS TO RECEIVE THRESHOLDS, SWEEPS, AND WEATHER-STRIPPING.

HARDWARE SETS

HW-1 ADA COMPLIANT LEVER PULL (PRIVACY SET) W/ SPRING HINGES & CLOSER.

- LEVER PULL LOCKSET TO BE SCHLAGE ND-SERIES HEAVY DUTY CYLINDRICAL LOCKSET, LEVER TO BE "TUBULAR" (TLR) DESIGN W/ 613 SATIN NICKEL FINISH. (U.N.O.)
- PROVIDE WALL OR FLOOR STOPS FOR ALL DOORS, TYP. FINISH TO BE US260.
- ALL HW FINISHES TO BE US 260 U.N.O.

A7 OPENING NOTES & HARDWARE SCHEDULE
1518_XSCDR NTS

A12 STOREFRONT / WINDOW ELEVATION
1518_XESF 1/4"=1'-0"

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing awning to be removed

Existing lighting and address numerals to be preserved

Existing windows to be removed and replaced with aluminum clad wood pivot windows

Exterior lighting to be concealed with minimal visual impact for daytime hours

Existing Conditions and Proposed Alterations
West (Gay Street) Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing windows to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing marble to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Exterior lighting to be concealed behind existing decorative guardrail with minimal visual impact for daytime hours

Existing Conditions and Proposed Alterations
West (Gay Street) Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing windows to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing marble to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Exterior lighting to be concealed behind existing decorative guardrail with minimal visual impact for daytime hours

Existing Conditions and Proposed Alterations
West (Gay Street) Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing marble to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing windows to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Exterior lighting to be concealed with minimal visual impact for daytime hours

Existing Conditions and Proposed Alterations
West (Gay Street) Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing windows to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing fire escape to be repaired and repainted as required

Existing brick infill to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing Conditions and Proposed Alterations
South Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing louvered vents to be removed and replaced with brick infill to closely match existing masonry

Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing Conditions and Proposed Alterations
South Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing windows to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing Conditions and Proposed Alterations
South Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing stair and handrail to be repaired and repainted as required

Existing metal brackets and other unused obstructions to be removed

Existing conduit that is determined to be inactive is to be removed

Existing Conditions and Proposed Alterations
East Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing windows below level 02 to be patched, repaired, and repainted as required

Existing plywood infill to be removed and replaced with new brick infill to closely match existing masonry

Existing Conditions and Proposed Alterations
East Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing windows to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing brick infill to be removed and replaced with aluminum clad double hung wood windows to more closely match historical pattern and profile

Existing Conditions and Proposed Alterations
East Facade

Exterior Renovation of the Mechanic's Bank and Trust Company Building 612 S. Gay Street, Knoxville, TN



Existing masonry to be cleaned, tuck pointed, and re-anchored in accordance with the standards of the Technical Preservation Services of the National Park Service

Existing steel stair and handrail to be removed

Existing condensing unit to be moved and supported by new metal brackets

Existing Conditions and Proposed Alterations
North Facade



DOUBLE-HUNG

DETAILED PRODUCT DESCRIPTIONS

Aluminum-Clad Exterior

LX and SE Double-, Single- and Simulated-Hung



FRAME

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [LX: [clear pine] [mahogany] [alder] [douglas fir]] [SE: clear pine].
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127 mm) for a wall depth of 3-11/16" (94 mm).
- Optional factory applied jamb extensions available between 4-9/16" (116 mm) and 7-3/16" (183 mm) wall depths.
- Vinyl jamb liner [LX includes wood / clad inserts].
- Optional factory installed fold-out installation fins with flexible fin corners.
- Optional factory-applied EnduraClad® exterior trim.

SASH

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [LX: [clear pine] [mahogany] [alder] [douglas fir]] [SE: clear pine]. Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are clad with aluminum and sealed.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-7/8" (47 mm).
- Double-Hung: Upper sash has surface-mounted wash locks] [Single-Hung: Fixed upper sash has surface-mounted wash locks] [Arch Head units have no wash locks].
- Lower sash has concealed wash locks in lower check rail.
- Sashes tilt for easy cleaning.
- Simulated-Hung units have non-operable upper and lower sashes.

WEATHERSTRIPPING

- Water-stop santoprene-wrapped foam at head and sill.
- Thermoplastic elastomer bulb with slip-coating set into lower sash for tight contact at check rail.
- Vinyl-wrapped foam inserted into jamb liner to seal against sides of sash.

GLAZING SYSTEM

- Quality float glass complying with ASTM C 1036.
- Custom and high altitude glazing available.
- Silicone-glazed 11/16" dual-seal insulating glass [[annealed] [tempered]] [[clear] [[Advanced Low-E] [SunDefense™ Low-E] [AdvancedComfort] [NaturalSun Low-E] with argon]] [[bronze] [gray] [green] Advanced Low-E with argon].

EXTERIOR

- Aluminum-clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [standard] [custom]₁.
- Aluminum-clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
 - Color is [standard] [custom]₁.

INTERIOR

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [White] [Linen White] [Bright White] [stain 1]].

HARDWARE

- Galvanized block-and-tackle balances are connected to self-locking balance shoes which are connected to the sashes using zinc die cast terminals and concealed within the frame.
- Sash lock is [standard] or [spoon-style]. Two sash locks on units with frame width 37" and greater.
- Finish is [baked enamel [Champagne] [White] [Brown]] [Bright Brass] [Satin Nickel] [Oil-Rubbed Bronze].
- Optional sash lift furnished for field installation. Two lifts on units with frame width 37" and greater.
- Finish is [baked enamel [Champagne] [White] [Brown]] [Bright Brass] [Satin Nickel] [Oil-Rubbed Bronze].
- [Simulated-Hung: Single-piece lock ties upper and lower sash together. When removed lower sash becomes operable.]

OPTIONAL PRODUCTS

Grilles

- Integral Light Technology® grilles
 - Interior grilles are [5/8" [7/8" [1-1/4" [2" ogee profile that are solid [LX: [pine] [mahogany] [alder] [douglas fir]] [SE: pine]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [White] [Linen White] [Bright White] [stain 1]].
 - Exterior grilles are [5/8" putty profile] [7/8" [putty] [ogee] profile] [1-1/4" [putty] [ogee] profile] [2" ogee profile] that are extruded aluminum.
 - Patterns are [Traditional] [Prairie] [Top Row] [New England] [Victorian].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer.
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
 - Patterns are [Traditional] [9-Lite Prairie] [Cross] [Top Row]
 - Interior color is [White] [Tan₃] [Brown₃] [Putty₃] [Ivory] [Brickstone] [Harvest] [Cordovan].
 - Exterior color₅ is [standard]₁.

Roomside Removable grilles

- [[3/4" [1-1/4" [2" regular] [[1-1/4" [2" colonial] profile, with [Traditional] [Prairie] patterns that are removable solid pine wood bars steel-pinned at joints and fitted to sash with steel clips and tacks.
- Interior [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [White] [Linen White] [Bright White] [stain 1]].
- Exterior [unfinished, ready for site finishing] [factory primed] [finish color matched to exterior cladding₅].

Screens

- InView™ screens
 - [Half-Size] [Full-Size₄] black vinyl-coated 18/18 mesh fiberglass screen cloth complying with SMA 1201, set in aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
 - Full screen spreader bar placed on units > 37" width or > 65" height.
 - Screen frame finish is baked enamel, color to match window cladding.
- Vivid View® screens
 - [Half-Size] [Full-Size₄] PVDF 21 / 17 mesh, minimum 78 percent light transmissive screen, set in aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
 - Full screen spreader bar placed on units > 37" width or > 65" height.
 - Screen frame finish is baked enamel, color to match window cladding.

Hardware

- Optional factory applied limited opening device available for vent units in stainless steel; nominal 3-3/4" opening. Limiting device concealed from view.
- Optional window opening control device available for field installation. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

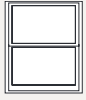
(1) Contact your local Pella sales representative for current color options.

(2) Available in clear or Low-E insulating glass only. White exterior grille color is the only option for clear insulating glass.

(3) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

(4) Full screens are available on units ≤ 96" height.

(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.

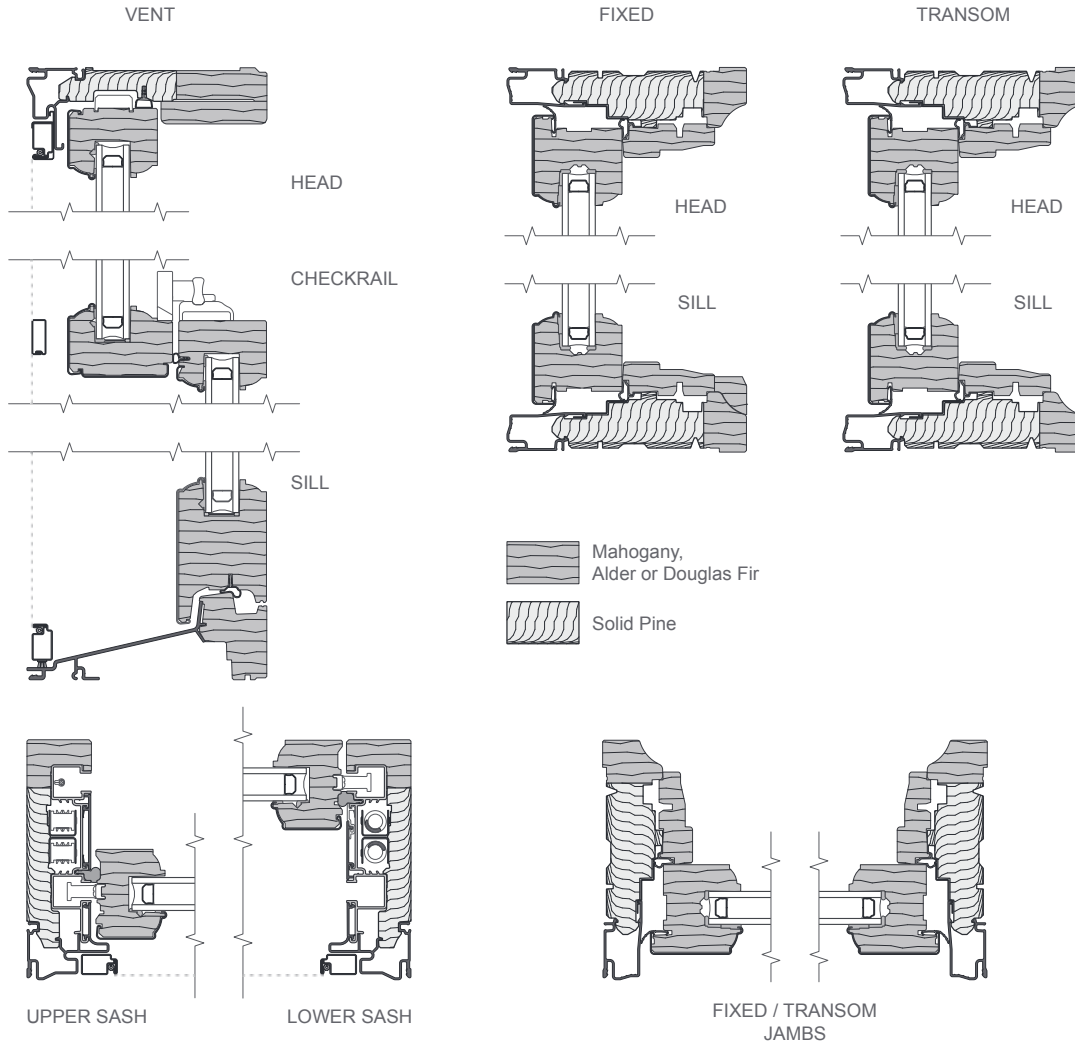


DOUBLE-HUNG

UNIT SECTIONS – WOOD COLLECTION

Aluminum-Clad Exterior

LX Double-Hung



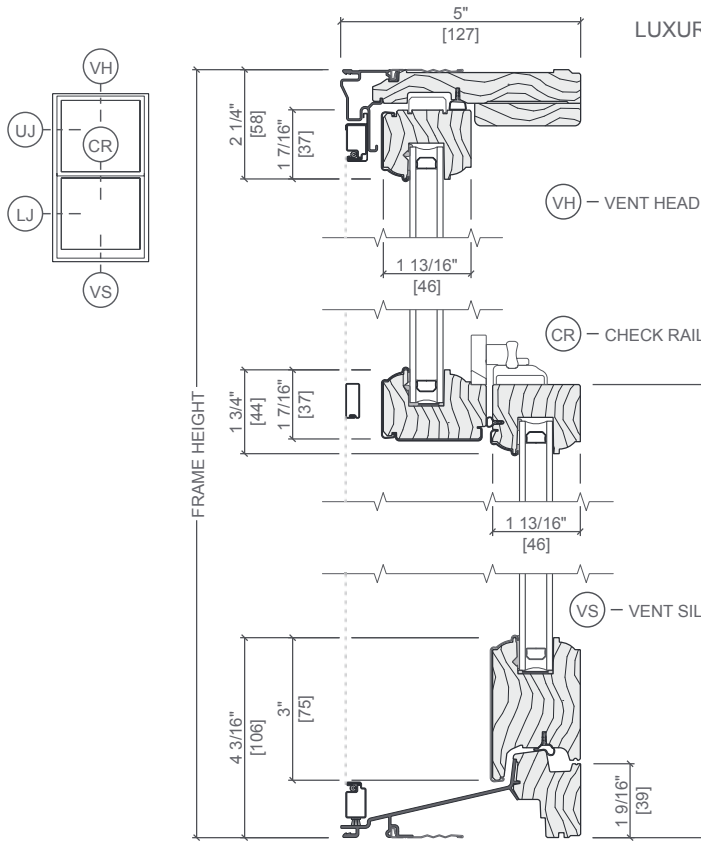
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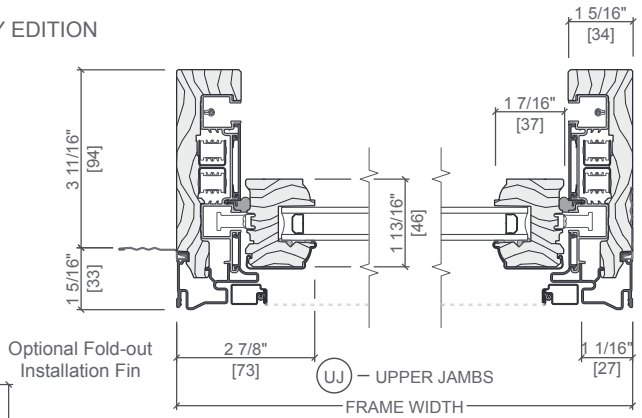
DOUBLE-HUNG

UNIT SECTIONS

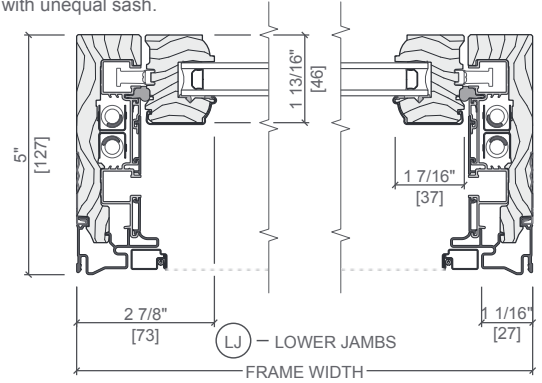
Aluminum-Clad Exterior
LX Single- and Double-Hung



LUXURY EDITION



* Dimension required for ordering units with unequal sash.



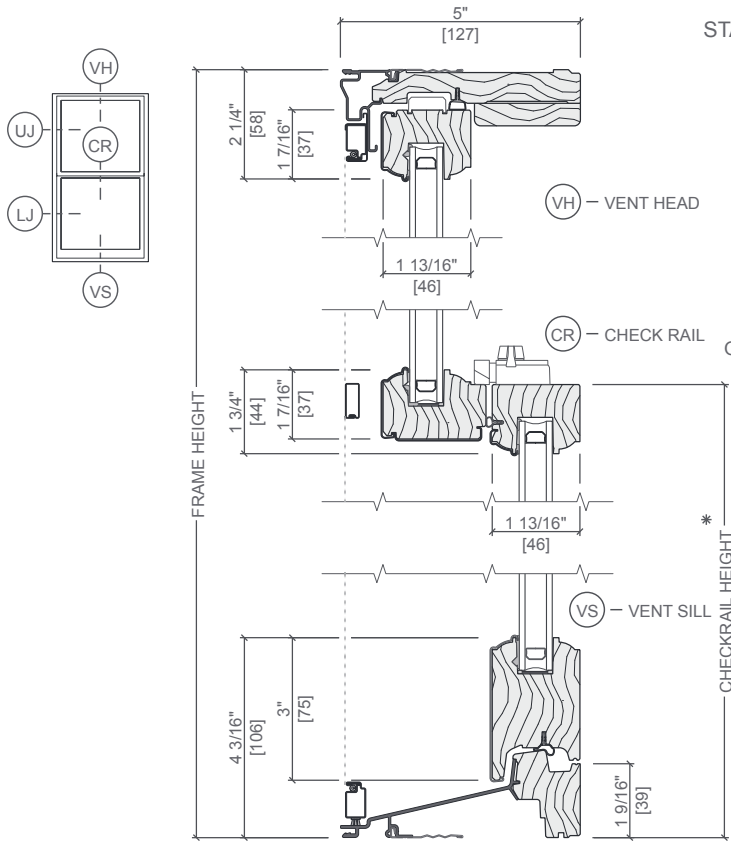
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All dimensions are approximate.



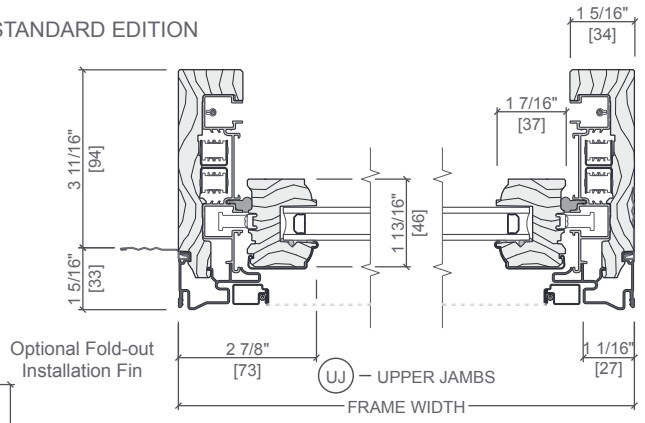
DOUBLE-HUNG

UNIT SECTIONS

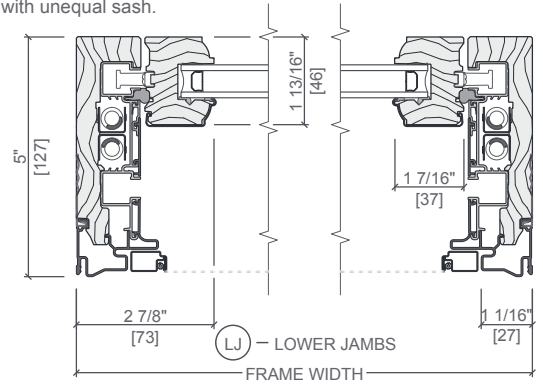
Aluminum-Clad Exterior
SE Double-Hung



STANDARD EDITION



* Dimension required for ordering units with unequal sash.



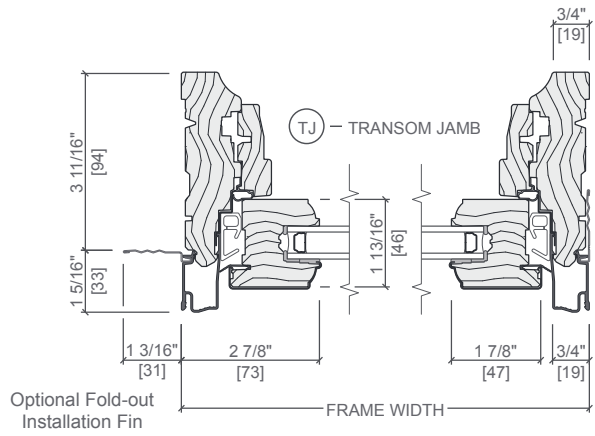
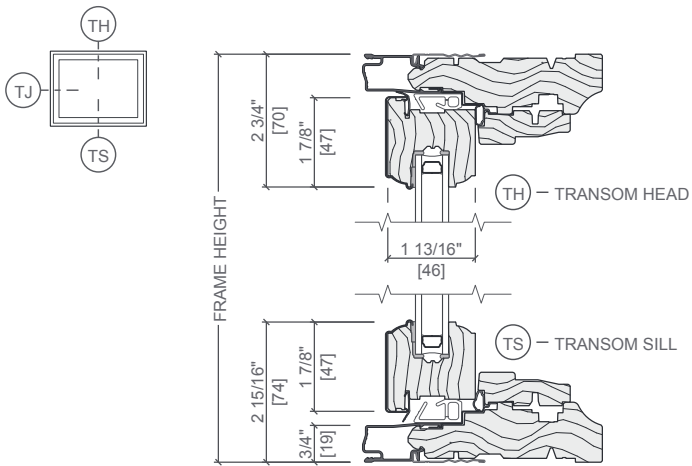
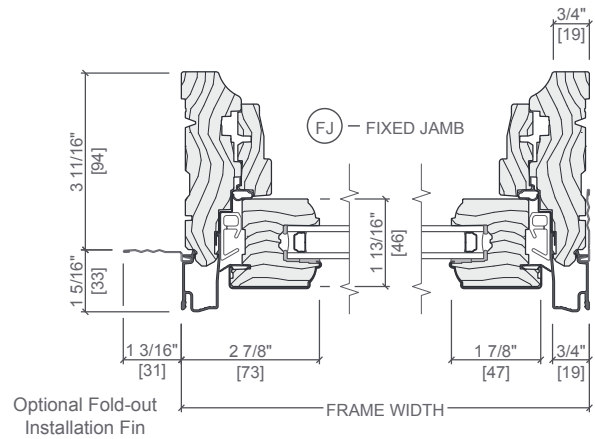
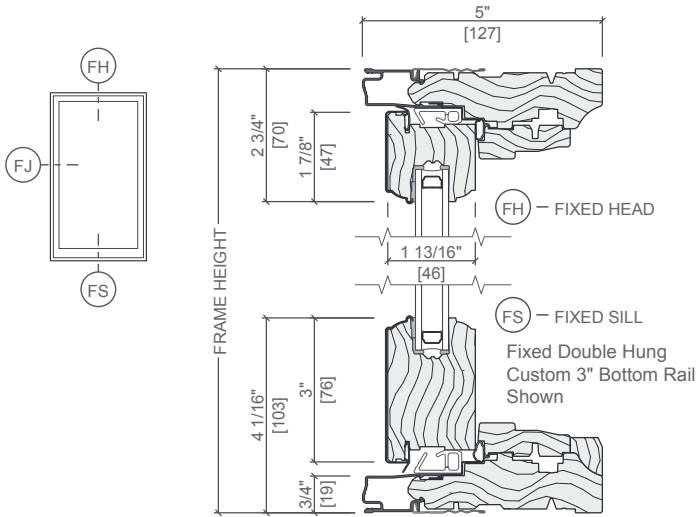
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All dimensions are approximate.



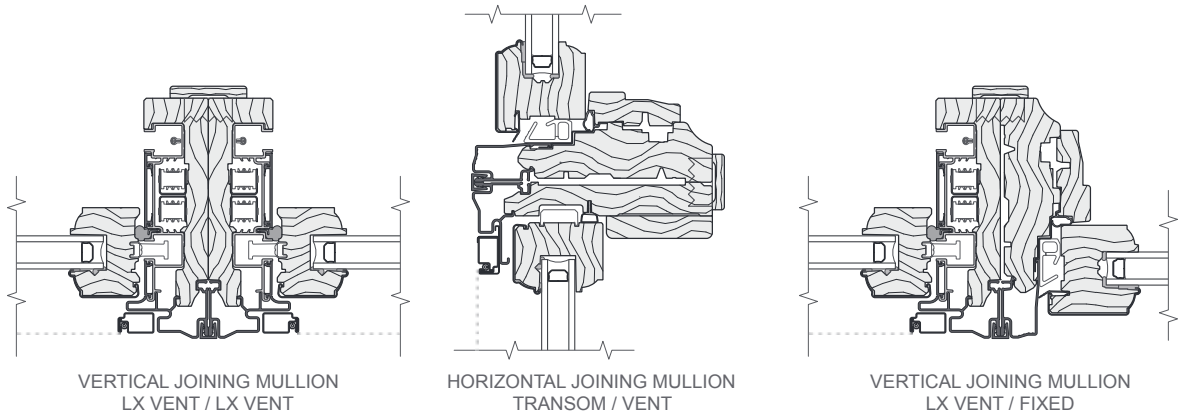
DOUBLE-HUNG

UNIT SECTIONS

Aluminum-Clad Exterior
LX and SE Fixed and Transoms



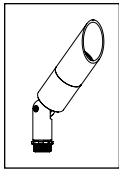
TYPICAL JOINING MULLIONS



Scale 3" = 1' 0"

All dimensions are approximate.

See www.PellaADM.com for mullion limitations and reinforcing requirements.



the power of
dimming



MICRO NITE STAR™

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC



Example

- MN - LED - e67 - SP - BZW - 12 - 11 - B - 360SL

Material

- Blank - Aluminum
- B - Brass

Series

MN - Micro Nite Star™

Source

LED - 'e' Technology with Integral Dimming Driver (See Specifications for Dimming)
Designed for use with remote 12VAC BKSSL® transformers. Requires magnetic Low Voltage dimmer

LED Type

- e67 - 7WLED/2.7K
- e68 - 7WLED/3K
- e69 - 7WLED/4K
- e75 - 7WLED/Amber

Optics*

- SP - Spot (Green Indicator)
- NFL - Narrow Flood (Yellow Indicator)
- FL - Flood (Blue Indicator)

Finish

Aluminum Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Brass Finish

Machined	MAC
Polished	POL
Mitique™	MIT

Premium Finish

ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
BCM	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
CAP	Clear Anodized Powder	OCF	Old Copper	<i>Also available in RAL Finishes See submittal SUB-1439-00</i>	

Lens Type

- 12 - Soft Focus Lens
- 13 - Rectilinear Lens

Shielding

- 11 - Honeycomb Baffle

Cap Style

- A - 45°
- B - 90°
- C - Flush
- D - 45° less Weep Hole (Interior Use Only)
- E - 90° less Weep Hole (Interior Use Only)

Option

- 360SL - 360SL™ Rotational Knuckle Mounting System

DRIVER DATA

Input Volts	InRush Current	Dimmable	Operation Ambient Temperature
12VAC/DC 50/60Hz	<1A (non-dimmed)	Magnetic Low Voltage Dimmer	-10°F-130°F

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)
e67	2700K	7	80
e68	3000K	7	80
e69	4000K	7	80
e75	Amber (590nm)	7	~

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	CBCP	Visual Indicator
Spot	20°	3991	Green Dot
Narrow Flood	25°	1887	Yellow Dot
Flood	30°	1469	Blue Dot

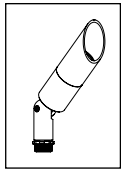
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED
06-06-16

DRAWING NUMBER
SUB000927

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the power of dimming

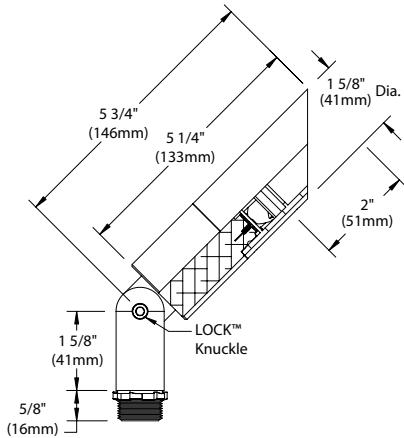


MICRO NITE STAR™

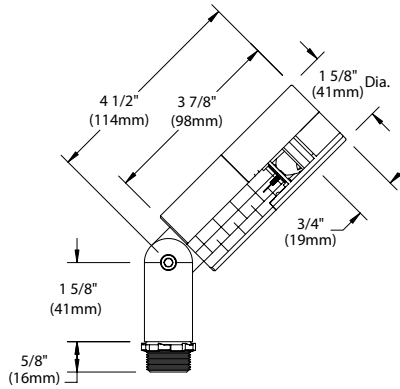
PROJECT:

TYPE:

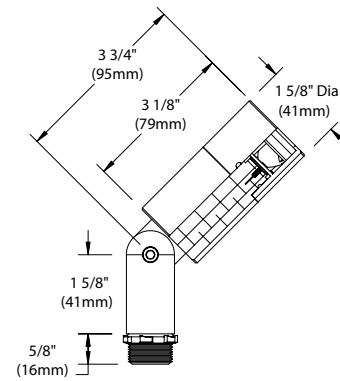
"A/D" CAP



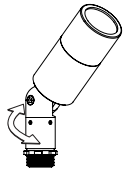
"B/E" CAP



"C" CAP



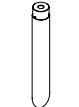
360 SL™



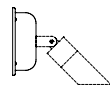
Accessories (Configure separately)

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

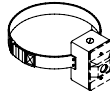
Mounting:



Power Pipe™



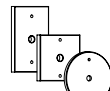
Power Canopy™



Tree Strap™



Stems



Canopies



UPM™

Remote Transformers:



TR Series



Power Pipe™



UPMRM™

Horizontal Rotation
(Optional 360SL™ Knuckle)

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6) or Brass (Type 360).

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 5/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <1A (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Dimming

Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSSL® Power of 'e' technology loads should be loaded to 25% of the transformer VA (watts) rated value.

Optics

Interchangeable OPTIKIT™ modules permit field changes to optical distribution. Color-coded for easy reference: Spot (SP) = Green. Narrow Flood (NFL) = Yellow. Flood (FL) = Blue.

Remote Transformer

For use with 12VAC BKSSL remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish.

Warranty

5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



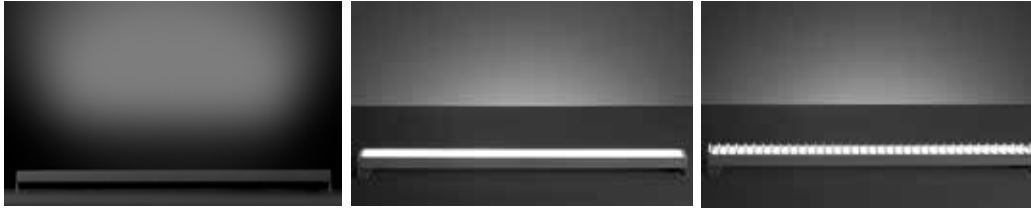
*Teflon is a registered trademark of DuPont Corporation. Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K LIGHTING

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www.bklighting.com • info@bklighting.com

RELEASED
06-06-16

DRAWING NUMBER
SUB000927



TYPE: B

ITEM	SPECIFICATION				
LIGHT SOURCE	3.5W/FT, 7W/FT, 11W/FT, 15W/FT				
OPTICS					
COLOR TEMPERATURES	2700K, 3000K, 3500K, 4000K, Static Red, Static Green, Static Blue, Static Amber				
CRI	82 (± 200)				
PERFORMANCE	WHITE (4000K) - 48" FIXTURE				
	FIXTURE WATTAGE (TOTAL WATTAGE)	OPTICS			
		LUMENS			
		EFFICACY lm/W			
		MAX CANDELA (CD / m²)			
	3.5 (4.1 W/ft)	7°	1079	66 lm/W	12011
	3.5 (4.1 W/ft)	15°	971	60 lm/W	6202
	3.5 (4.1 W/ft)	30°	987	61 lm/W	3559
	3.5 (4.1 W/ft)	45°	925	57 lm/W	1423
	3.5 (4.1 W/ft)	100°	1296	79 lm/W	522
	6 (7.4 W/ft)	7°	1650	56 lm/W	19283
	6 (7.4 W/ft)	15°	1489	50 lm/W	9518
	6 (7.4 W/ft)	30°	1515	51 lm/W	5461
	6 (7.4 W/ft)	45°	1419	48 lm/W	2184
	6 (7.9 W/ft)	100°	2433	77 lm/W	880
	12 (14.2 W/ft)	7°	3272	54 lm/W	38245
	12 (14.2 W/ft)	15°	2954	52 lm/W	18877
	12 (14.2 W/ft)	30°	3004	53 lm/W	10832
	12 (14.2 W/ft)	45°	2814	50 lm/W	4332
	12 (16.4 W/ft)	100°	4592	70 lm/W	1706
	17 (21.3 W/ft)	7°	4674	55 lm/W	54636
	17 (21.3 W/ft)	15°	4220	50 lm/W	26968
	17 (21.3 W/ft)	30°	4292	51 lm/W	15475
	17 (21.3 W/ft)	45°	4020	48 lm/W	6189
	3.5W/ft fixture meets current ASHRAE requirements				
LUMEN MAINTENANCE		75,000 hrs L70			
ELECTRICAL	DC VOLTAGE	120V - 277V			
	POWER SUPPLY	REMOTE POWER SUPPLY,			
CONTROL	Dimming	0-10V, DMX			
PHYSICAL	HOUSING	Extruded aluminum housing with aluminum end caps, Powder-coat finish			
	DIMENSIONS	H X W X L: 1-3/8" X 2-1/4" X 12" / 24" / 36" / 48"			
	LENS	TEMPERED GLASS			
	OPERATING TEMPERATURE	-20° C to 40° C			
CERTIFICATION		ETL and cETL approved for Wet Location, ETL approved Class 1 			
WARRANTY		5 YEAR LIMITED			

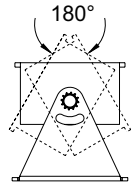
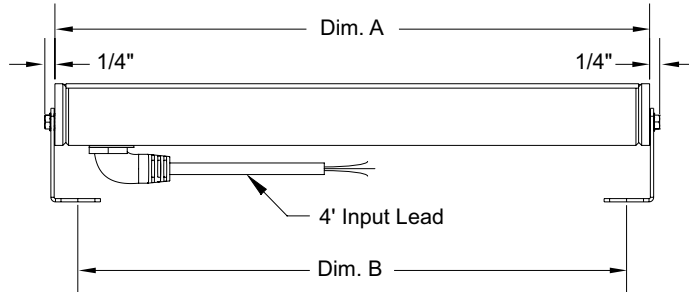
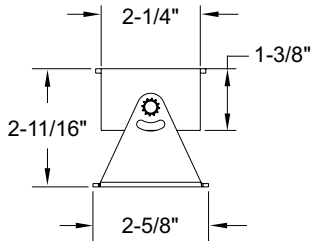
All MEDLEY® products are tested to IES LM-79, LM-80 and ANSI C78.377A standards

STEP 1 - ORDER FIXTURE										
Prefix	Wattage W / Ft	LED Color/CCT	Optics	Light Direction	Mounting	Nominal Fixture Length	Voltage/ Wiring Method	Control Options (Dimming)	Finish	Options
MXi	WHITE			U = Uplight D = Downlight	Single Fixtures CES = Close End	Single Fixtures 12" 24" 36" 48"	REM = Remote power supply Power supply(s) must be ordered separately. See below.	NO = No dimming (must order RPS/96/PWR or RPW/100/PWR) DIM = 0-10V Dimming (must order RPS/96/DIM) DMXDIM = DMX Dimming (Power Supply Resolution. Must order RPS/100/RGB) Dimming controls are required. Contact factory.	TW = Textured White TBL = Textured Black TBR = Textured Bronze TN = Textured Natural TS = Textured Sandstone CC = Custom Color ^②	VS = Visor CRF = Corrosion Resistant Finish
MEDLEY Xi SERIES	3.5 7 11 15	27K 30K 35K 40K	7° 15° 30° 45° 60° 100° ASY							
	3.5W meets current ASHRAE									
	STATIC COLORS									
	3.5 7 11 15	R = Red G = Green B = Blue A = Amber	7° 15° 30° 45° 60° 100° ASY							
	3.5W meets current ASHRAE									

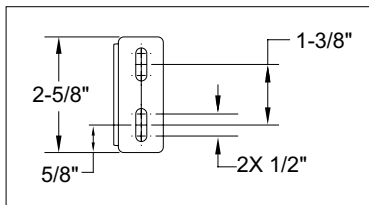
STEP 2 - ORDER POWER SUPPLY	
CATALOG NUMBER	DESCRIPTION
WHITE LIGHT & STATIC COLORS (NON-DIMMING)	
RPS/96/PWR/WET	(1)-96W POWER SUPPLY (120V-277V), WET LOCATION
RPS/100/PWR/WET	(1)-100W POWER SUPPLY (120V-277V), WET LOCATION
0-10V DIMMING POWER SUPPLIES (0 -10V)	
RPS/96/DIM/WET	(1)-96W 0-10V DIMMING POWER SUPPLY (120-277V), WET LOCATION
DMX DIMMING POWER SUPPLIES	
RPS/100/RGB/WET	(1)-100W RGB POWER SUPPLY (120-277V), WET LOCATION (FOR DMX DIMMING)
NOTE: Due to remote power supply application variances, it is recommended to load the RPS Power Supplies at 80% of the wattage capacity. For specific and case by case requirements, please contact factory for assistance.	
ORDERING EXAMPLE: RPS / 100 / PWR / WET	

CES - CLOSE END MOUNT

Front View

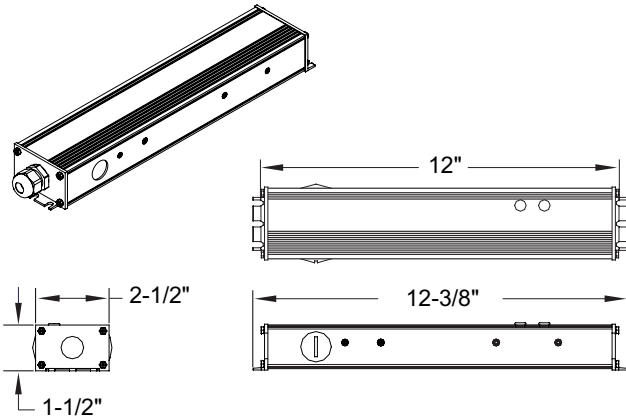


Mounting Bracket Detail



Fixture Length	12"	24"	36"	48"
Dim. A	13-1/2"	25-1/2"	37-1/2"	49-1/2"
Dim. B	12-7/16"	24-7/16"	36-7/16"	48-7/16"

RPS96 POWER SUPPLY

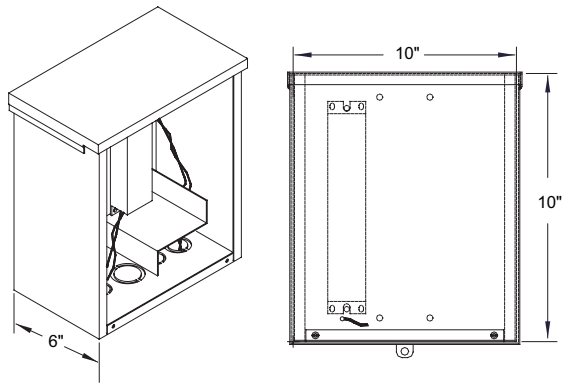


RPS-96-PWR RPS-96-DIM

- (1)-96W Power Supply for static white & static colors
- (1)-96W Dimming Power Supply (0-10V Dimming for static white & static colors)

NOT RATED FOR PLENUM INSTALLATIONS

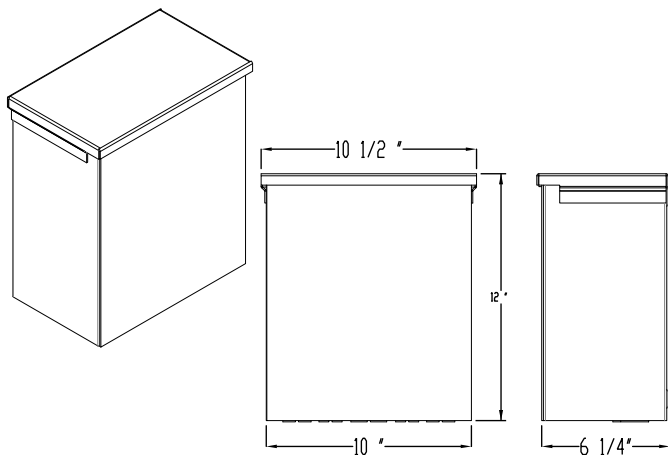
RPS100 POWER SUPPLY



RPS-100-PWR

- (1)-100W Power Supply for static white
- RPS-100 is conduit ready (3/4" conduit by others)
- Contact factory for cable ready versions

NOT RATED FOR PLENUM INSTALLATIONS



RPS-100-DAT

- (1)-100W Data/Power Supply for Active White Light

- RPS-100 is conduit ready
 - Flying lead: 1/2" conduit by others
 - Cable ready: 1" conduit by others

NOT RATED FOR PLENUM INSTALLATIONS

Project name: _____

Type: _____



General information

Luminaire characteristics:

Input load: 3W

Lumens: 144 lm (delivered)

Luminaire efficacy: 48 lm/W

Source: LED module, 3000K: 80CRI.

Lumen maintenance: >80% of initial lumens at 50000 hours (L80) LM-80 (LED) / LM-79 tested.

Optics: Wall washer effect optic.

Mounting: Wall or ceiling mounted on standard 4' J box.
Floor mounting in dry location only (interior).

Body: Aluminum die-cast, A2 stainless steel fastening components and hardware with PMMA lens.

Electrical: Electronic power supply to be ordered separately (350mA, 3W, Vmin 7V, Vmax 10.5V).

Finish: White RAL9016 or gray (RAL9007) liquide acrylic painted finish cured at 150 °C to guarantee a high level of weather and UV resistance.

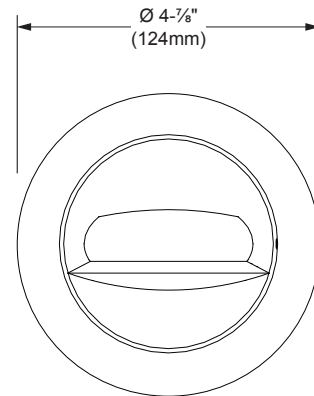
Weight: 0.9lb (0.4kg)

Contact temperature: Less that 50°C (122°F)

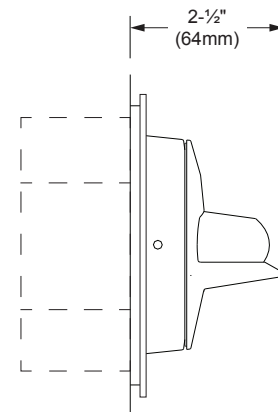
Warranty: 5 years limited warranty.

Certification: cULus listed.

Ratings: Wet location, IP66, IK07.



FRONT VIEW



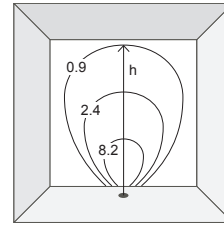
SIDE VIEW

Project name: _____

Type: _____

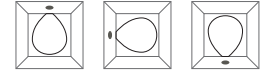
TECHNICAL DATA

Model:	I.BU14-REM-XX
Color temp.:	3000K, 83CRI
Optic:	Wall washer effect optic
Power input:	3W
Lumens:	144 lm (delivered)
Luminaire efficacy:	48 lm/W



Distance (h) Illuminance

3.2'	8.2 fc
6.5'	2.4 fc
9.8'	0.9 fc



Project name: _____

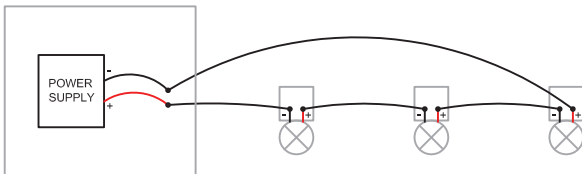
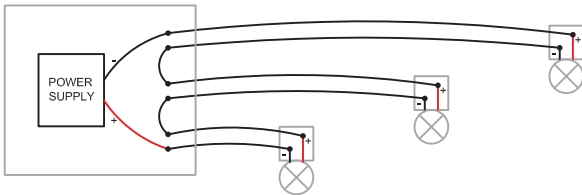
Type: _____

REMOTE POWER SUPPLY OPTION
 (TO BE ORDERED SEPARATELY)

Watts	Min-Max QTY	Voltage	Rated	Dimming protocol	Box dimensions	Max wire length distance 18AWG	Code
17	2-4	120-277V	Outdoor	0-10V	4¼" X 7⅞" X 3" (108 X 181 X 76mm)	100ft (30m)	4548-0350-017-UNV-D10
18	1-5	120V	Outdoor	Trailing edge (TRIAC)	14" X 3¾" X 3" (356 X 92 X 76mm)	100ft (30m)	4549-0350-018-UNV-TE

WIRING DIAGRAMS

Multiple luminaires must be connected in series (home run or fixture chain)



REMOTE POWER SUPPLY INSTALLATION INFORMATION

Remote power supply is not accessible from the fixture/ luminaire opening. It must be installed in a location for servicing, and comply with the local building code.

ORDERING INFO

MODEL	VOLTAGE	FINISH
<input type="radio"/> I.BU14	<input type="radio"/> REM - Remote	<input type="radio"/> 01 - White
		<input type="radio"/> 15 - Gray
<p>REMOTE POWER SUPPLY OPTION</p> <p>REMOTE POWER SUPPLY OPTION (TO BE ORDERED SEPARATELY) Requirement for one (1) fixture: 350mA, 3W, Vmin 7V, Vmax 10.5V</p> <p><input type="radio"/> 4548-0350-017-UNV-D10</p> <p><input type="radio"/> 4549-0350-018-UNV-TE</p>		