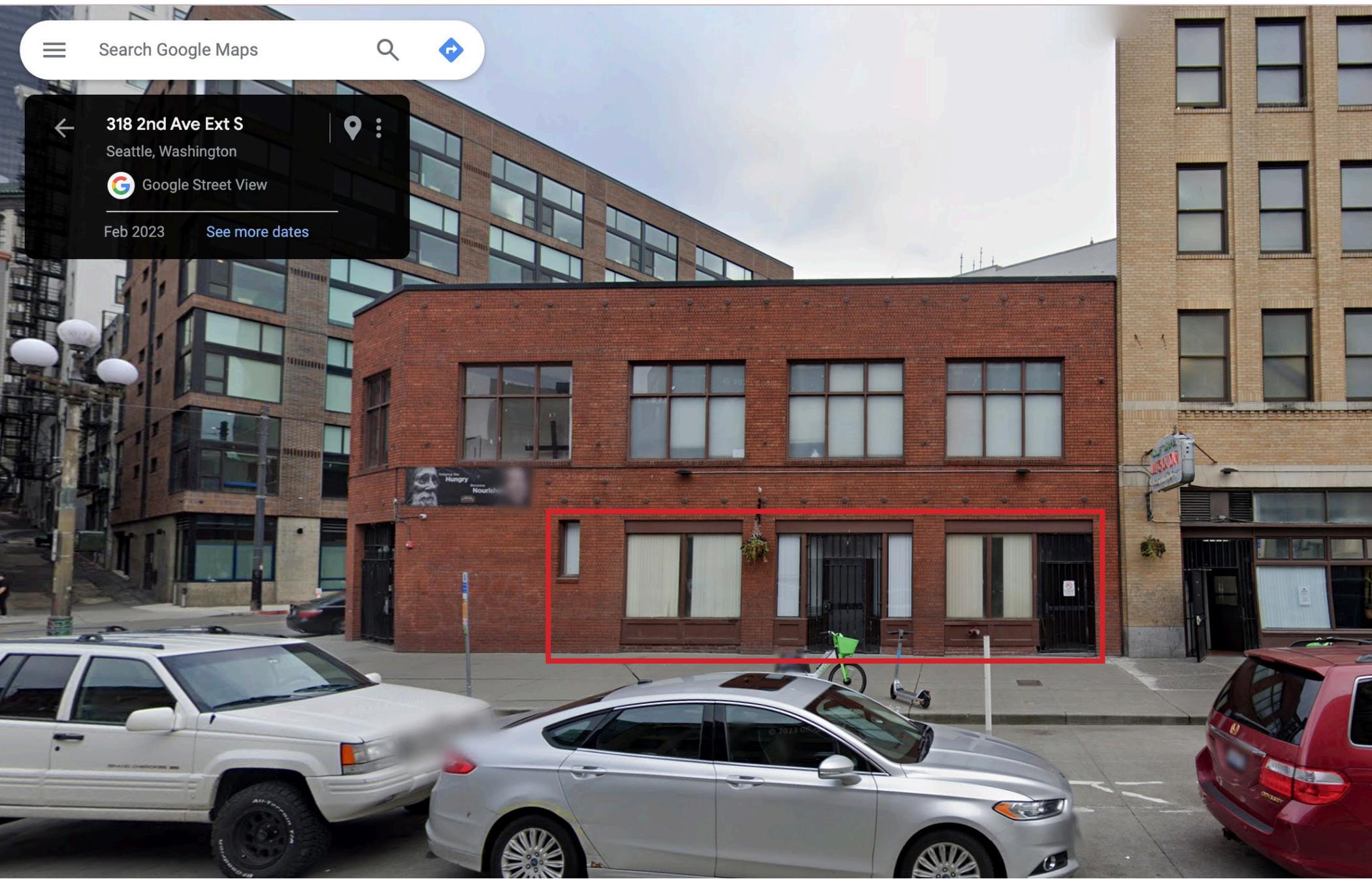




211 S Washington St (North Facade)

Search Google Maps

← 318 2nd Ave Ext S
Seattle, Washington
Google Street View
Feb 2023 See more dates



211 S Washington St (West Facade)



318 2nd Ave Ext S

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Survey & Inventory Documentation	Separate Attachment

02 April 2024

Poppi Handy
Third Place Design Co-Operative
304 Alaskan Way S, Suite 301
Seattle, WA 98104

Description of Proposed Work

This application is submitted for the Ace Hotel and Duppenenthaler Building, owned by Seattle's Union Gospel Mission (SUGM) and operating as a Men's Shelter. SUGM intends to improve the wood window frames, wood trim, wood storefront, & glazing. This Certificate of Approval application surveys the condition of the existing wood storefront windows and recommends two measures of rehabilitation: restoration and replacement. Bear Wood Windows in Lakewood has assisted in the preparation of this application and identified that the Ace Hotel storefront windows are closest to the original historic design intent and still have some of their original elements. These original elements are to be restored, while the non-original elements are to be replaced to match the original. Bear Wood Windows put together a Wood Storefront Window Assessment that documents the differences between the Ace Hotel and Duppenenthaler Building storefronts, explaining why we believe the Ace Hotel is the original historic design. That assessment can be found in the following pages.

From 2016 to 2017 Seattle's Union Gospel Mission underwent a large wood and aluminum window rehabilitation and replacement. All windows in the Ace Hotel and Duppenenthaler Building were surveyed and almost all windows were either rehabilitated or replaced. The ground floor storefront windows we are looking to replace now were not a part of the 2016-17 rehabilitation work. They were previously deemed of lowest priority as they have been altered frequently over the years and have the greatest potential for operational disruption when removing, replacing, and refitting. However, in the years that followed the 2016-17 window renovation, the storefront windows have fallen into further disrepair. The need for replacing the existing storefront windows coincides with SUGM's need for ground floor interior renovations, creating an opportune time for construction to occur. In the process of window replacement, SUGM intends to keep the Men's Shelter operational, while closing off some rooms during the construction process.

See drawings A4.01 through A4.32 for identification of storefront and windows to be restored or replaced. In most instances, plexi glass sheeting has been substituted for fixed glass panes. Since the original glazing is gone and the wood frames are rotting, new fixed thermal-pane windows are the proposed replacement glazing units.



Ace Hotel 1934 Street View



Ace Hotel 1937 South Elevation



Ace Hotel 2007 South Elevation

Plan of Action

The preservation plan of action for the restoration and replacement of the storefront windows for Seattle's Union Gospel Mission Men's Shelter is as follows: document all existing conditions, create and review shop drawings of proposed restored and replaced storefront windows, section off parts of the building so work can be done safely while maintaining building operation as a shelter, and lastly install wood windows, surrounding wood trim, wood storefront, and a small section of wall tile at the Ace Hotel's main entrance.

Ace Hotel West Elevation:

Most of the glazing at the Ace Hotel's ground floor was replaced in the 2016-17 restoration. One of those newer windows has a crack running through the glass and only needs its glazing replaced. The other windows that need to be replaced currently have plexi glass sheeting. The identifying call outs for these window and storefront locations can be found on sheet A4.03. By looking at a historic 1937 photo of the Ace Hotel, we can identify some original parts of the ground floor storefronts. The Ace Hotel's windows and storefronts are the basis of design for how the Duppenthaler Building's storefront windows will be replaced.

We are also proposing to replace the non-original blue wall tile at the main entry. While we do not have a known date of when the wall tile was installed, upon examination the tile is a contemporary product. The wall tile is in disrepair and has been covered by plywood sheathing as a temporary protective measure. We are proposing a neutral wall tile that will complement the brown paint of the wood windows and storefronts as well as the yellows, browns, and reds found in the Ace Hotel and Duppenthaler Building's brick walls. The product data and color sample for this tile can be found later in the package. See sheets A4.03 for Elevations of the proposed Ace Hotel work.

Duppenthaler Building:

At the Duppenthaler Building, we are proposing to replace all ground floor existing storefront windows and two full lite doors in kind. Nearly all the glazing in these windows is plexi glass sheeting. The windows that are glass contain single pane glazing. The wood frames, mullions, headers, sill, and trim are all in various states of disrepair, with different shades of brown paint attempting to cover the peeling original paint and wood rot. See sheets A4.01 and A4.02 for Elevations of the proposed Duppenthaler Building work.

Conclusion

The Seattle's Union Gospel Mission Men's Shelter has served the City of Seattle in a multitude of ways since it was purchased as the Ace Hotel in 1954. SUGM wants their buildings to be a symbol of pride for the community. They intend to put in the work and financial backing to complete a comprehensive rehabilitation of all wood trim and storefronts on the Ace Hotel and Duppenthaler Building ground floor. The vision is to have the storefronts look cohesive and beautiful while achieving the original historic design intent.

Please see in the following pages how Seattle's Union Gospel Mission, Bear Wood Windows, Colvos Construction, and Third Place Design Co-Operative plan to accomplish these objectives.

Sincerely,

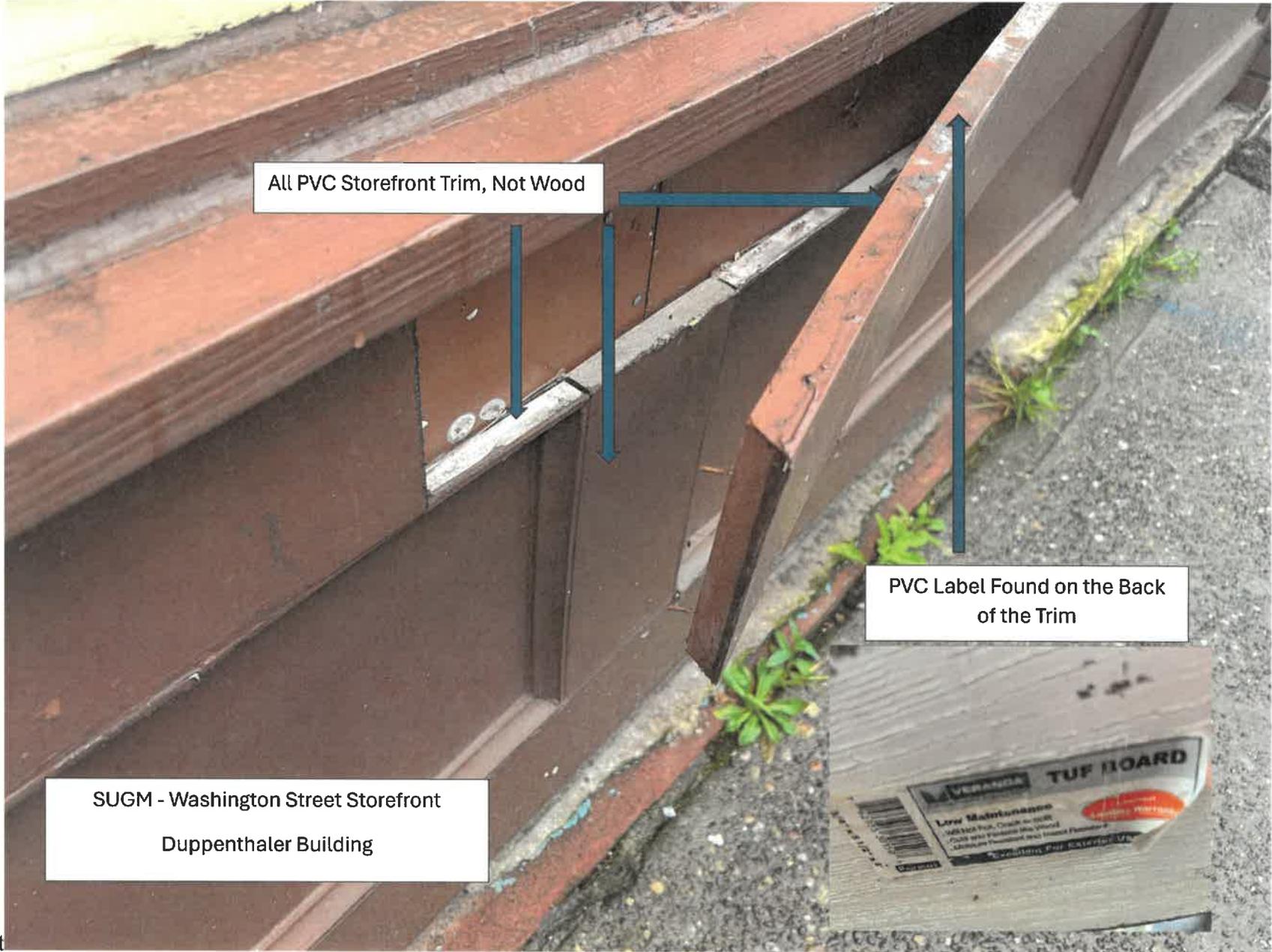


Poppi Handy
Third Place Design Cooperative, Inc.

Wood Storefront Window Assessment

Assessment performed by Bear Wood Windows

Prepared by Grace Day on April 1st, 2024



All PVC Storefront Trim, Not Wood

PVC Label Found on the Back of the Trim

SUGM - Washington Street Storefront
Duppenthaler Building



Storefront Trim bucking out



Storefront Trim bucking out



Duppenthaler Bldg – Washington St

Ace Hotel Original Storefront
Corner



Duppenthaler Bldg Storefront Does Not
Match the Ace Hotel Storefront Corner



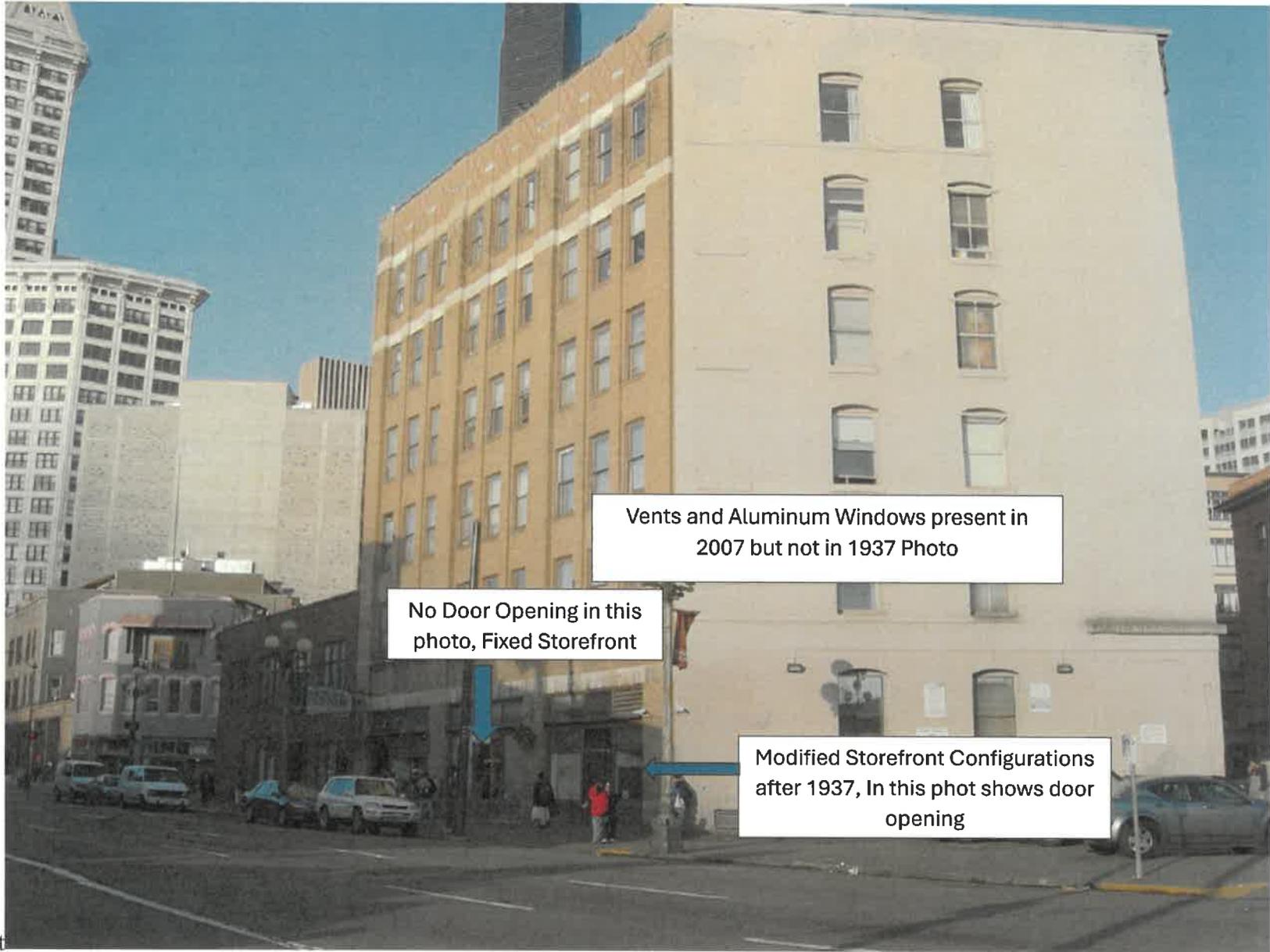
Rotted Glazing Stop

Duppenthaler Bldg



Bottom Trim Missing - Deteriorated
Panel Backing

Ace Hotel in 2007

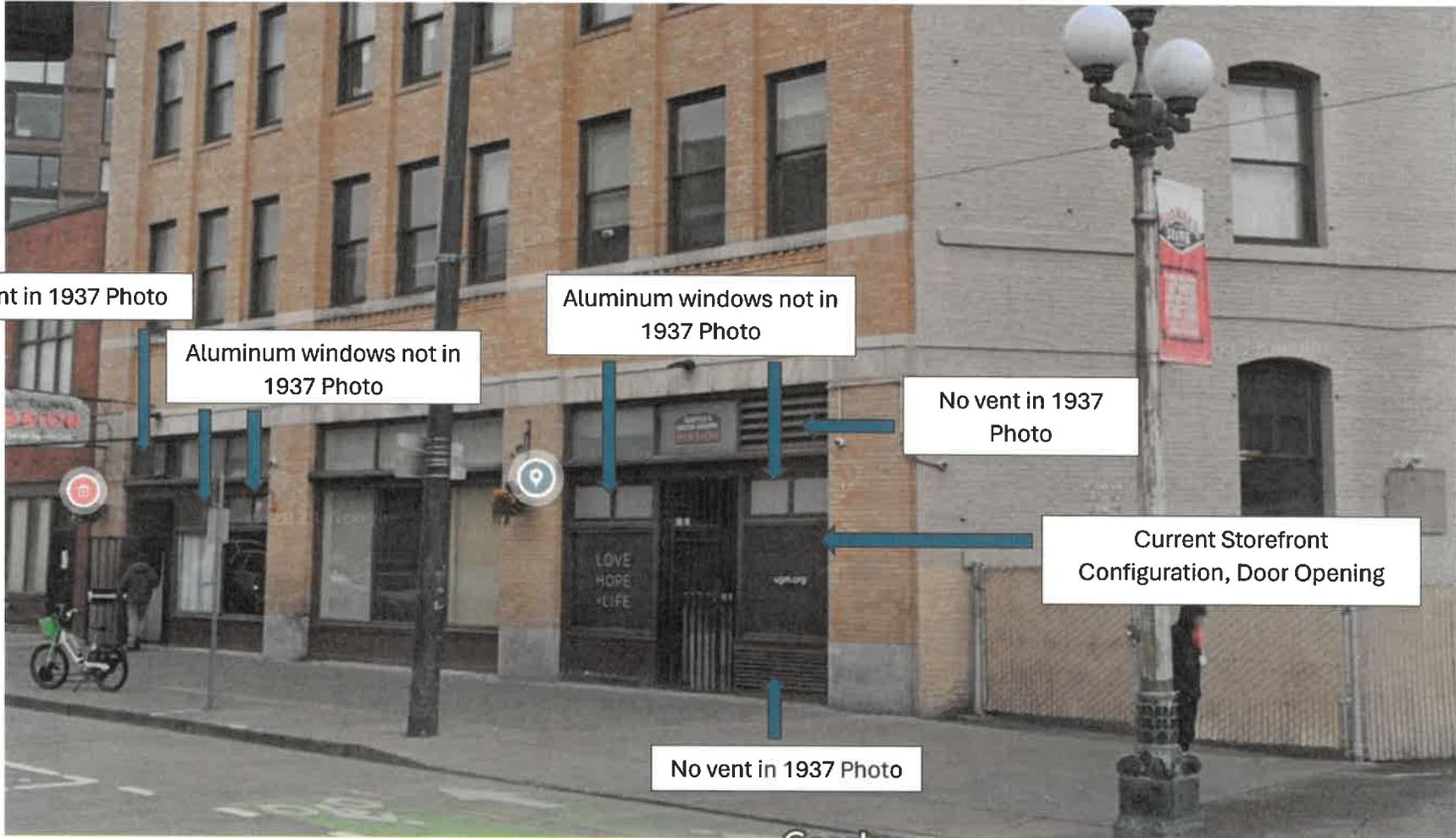


Vents and Aluminum Windows present in 2007 but not in 1937 Photo

No Door Opening in this photo, Fixed Storefront

Modified Storefront Configurations after 1937, In this phot shows door opening

Ace Hotel in 2023



No vent in 1937 Photo

Aluminum windows not in 1937 Photo

Aluminum windows not in 1937 Photo

No vent in 1937 Photo

Current Storefront Configuration, Door Opening

No vent in 1937 Photo



318 2nd Ave Ext S

Seattle, Washington

Google Street View

Feb 2023

See more dates

Replace Metal Louver with Glass

Replace Broken Glass Only at this Transom in center aluminum sash only

Replace glass at three highlighted locations
Replace all wood frames/trim.

Replace Metal Louver with Glass

Replace Storefront - Match Existing historic details

Replace Storefront - Match Existing historic details

Replace Storefront including metal louver with panel - Match Existing historic details

Replace Storefront - Match Existing historic details

SUGM - Exterior
2nd Ave (Ace Hotel)

Google



Bear Wood Windows
DBA: Bear Construction Group
12715 Pacific Hwy. SW
Lakewood, WA 98499
Ph: (253)-471-1259 Fax: (253)-471-1267

Submittal Cover

PROJECT: Seattle Union Gospel Mission

PROJECT NO: English Chappel - TI

DATE: 11/13/23

SUBMITTAL NO.: 01

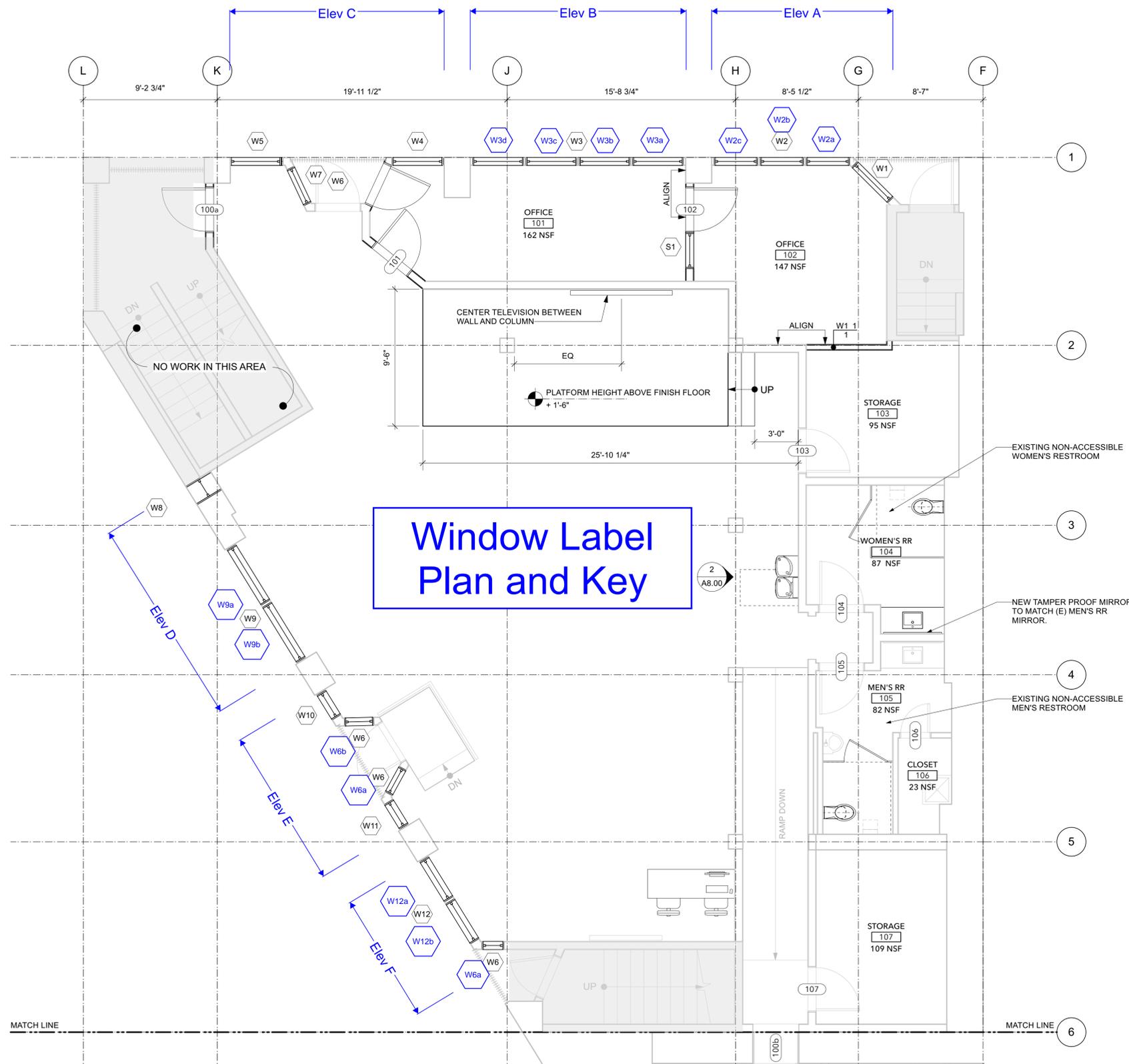
SUBMITTAL FOR: Storefront shop drawings

SUBMITTED TO: Colvos Construction

Item	Spec	Description	Qty	Type*
01	NA	Storefront Shop Drawings	14	E

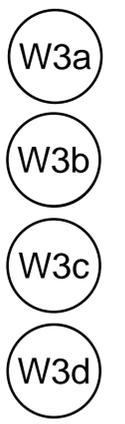
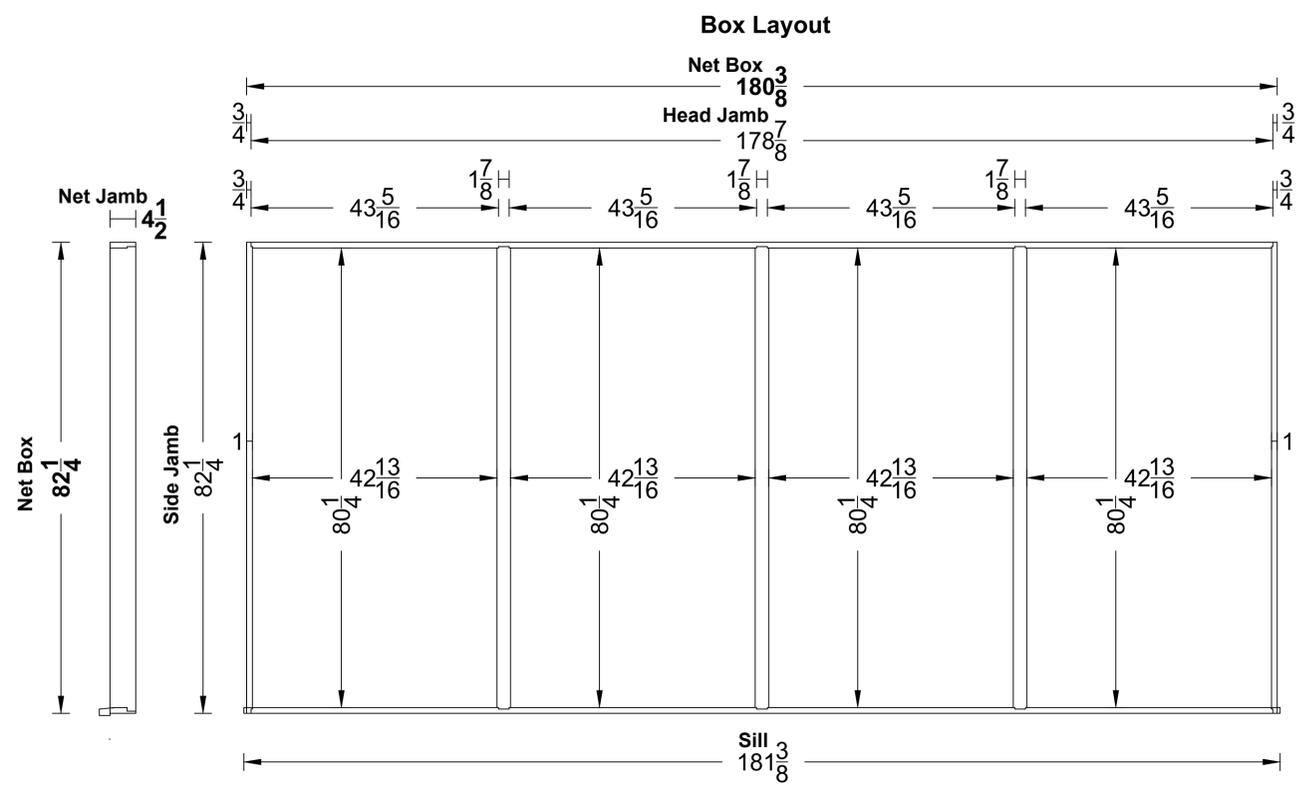
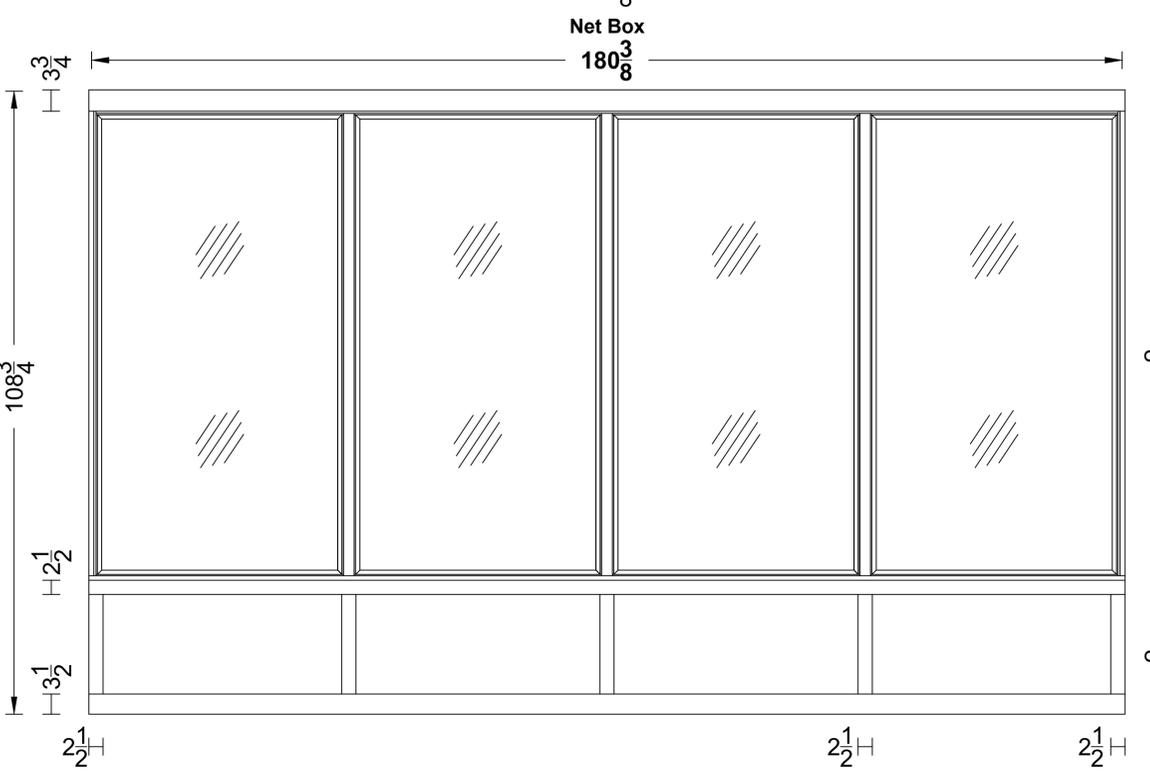
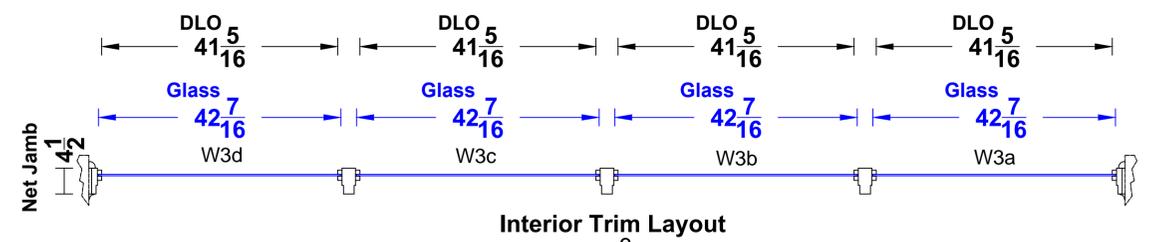
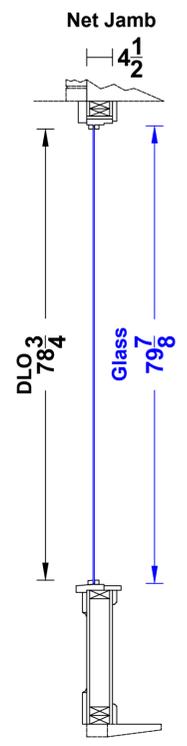
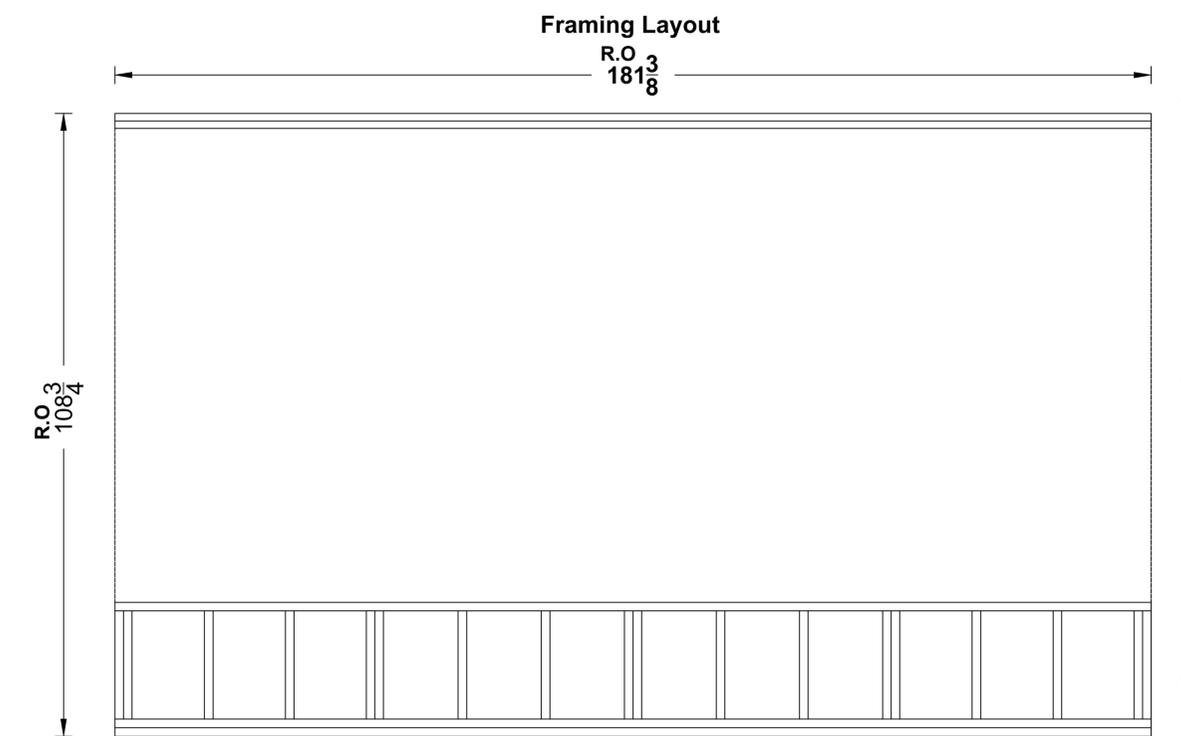
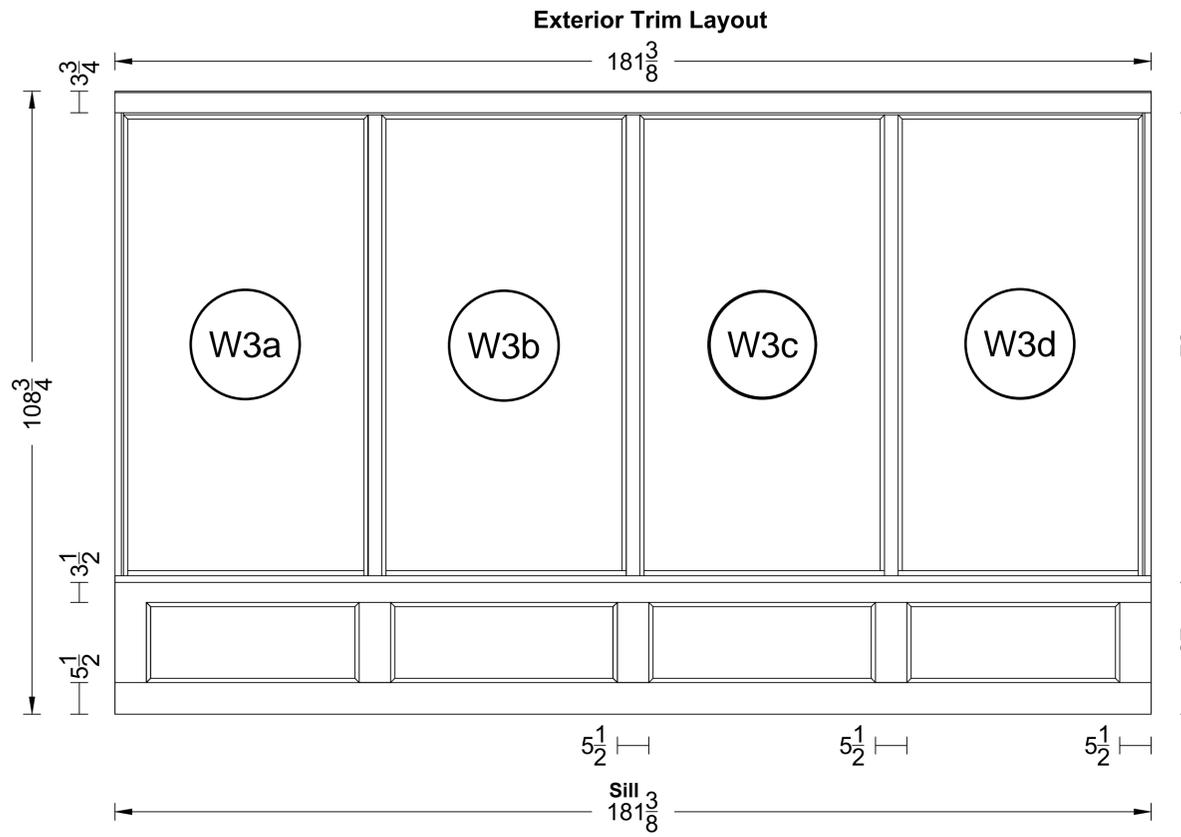
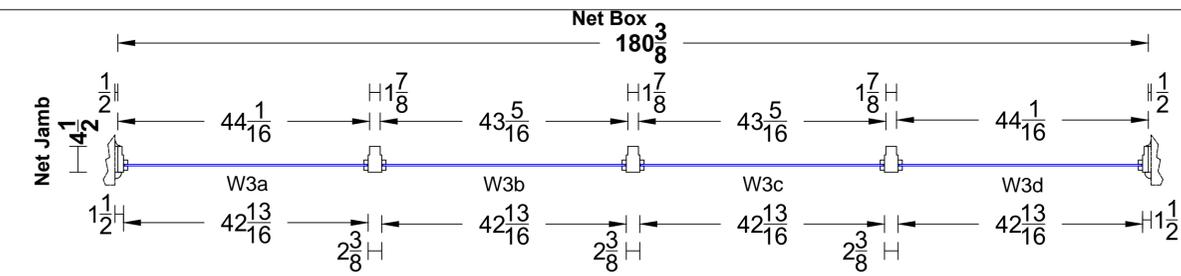
NOTES: Please indicate your approval for the items below

* E=Electronic copy; H=Hardcopy; S=Sample



**Window Label
Plan and Key**



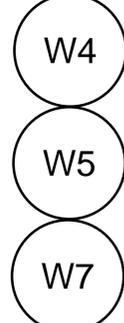


Shop Drawing
(Not for Production)

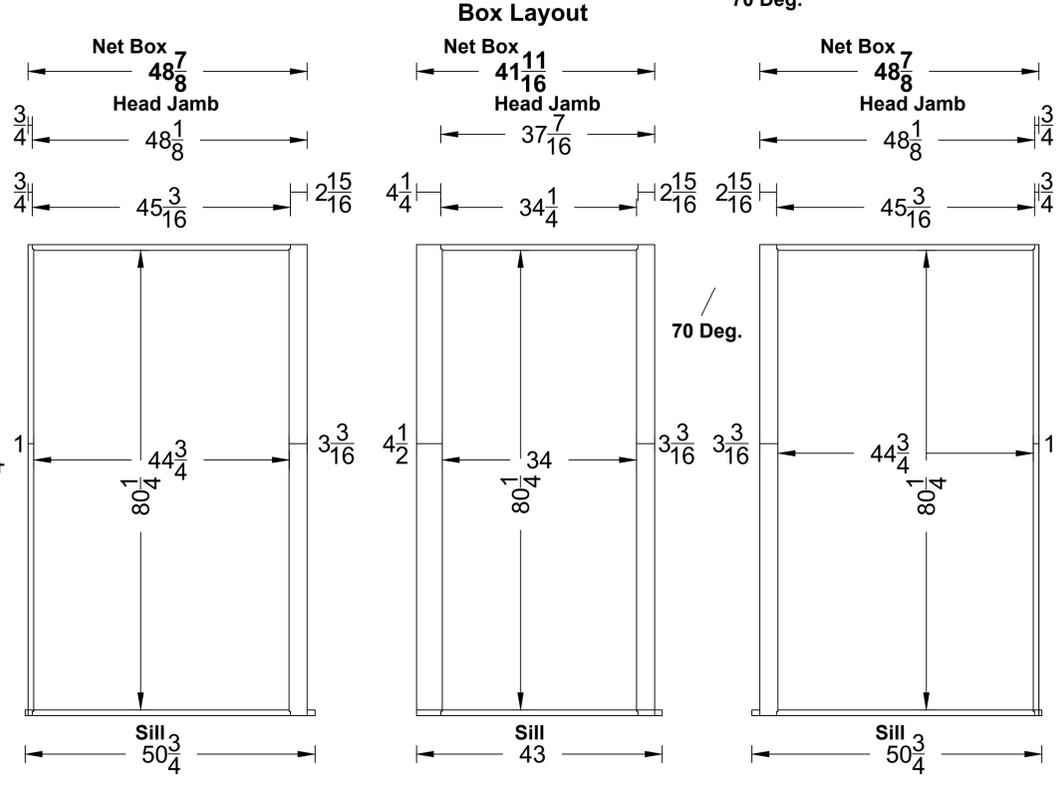
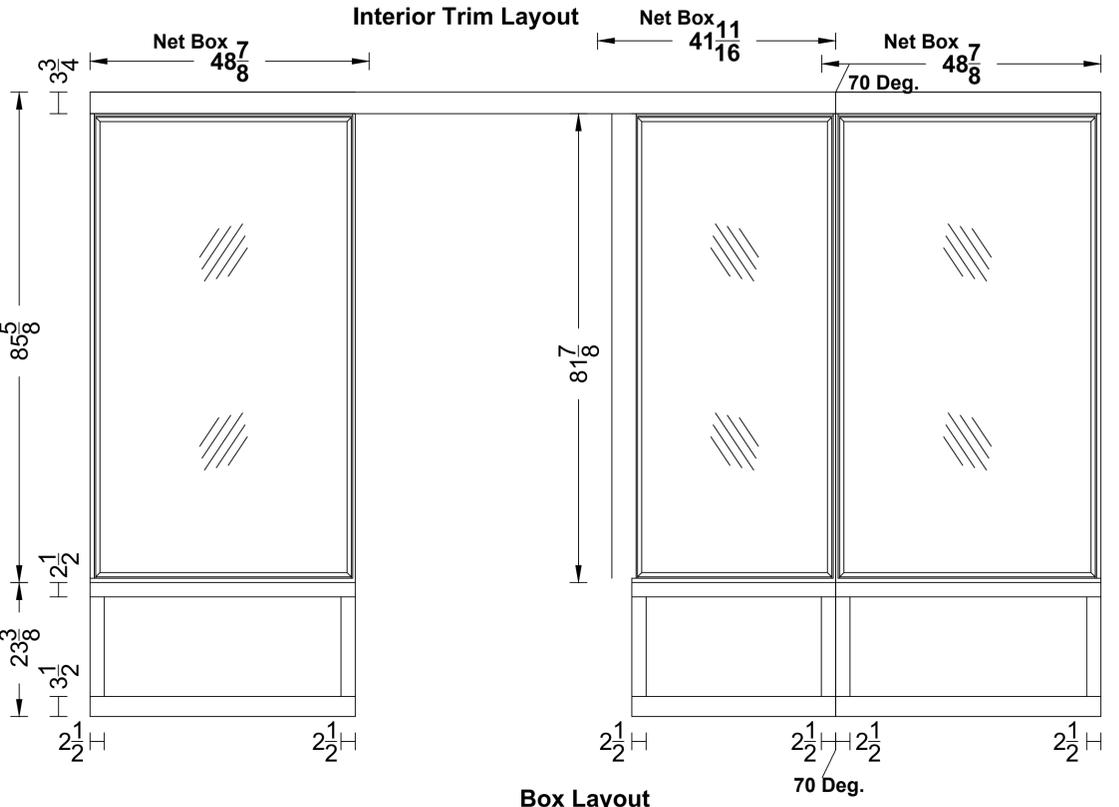
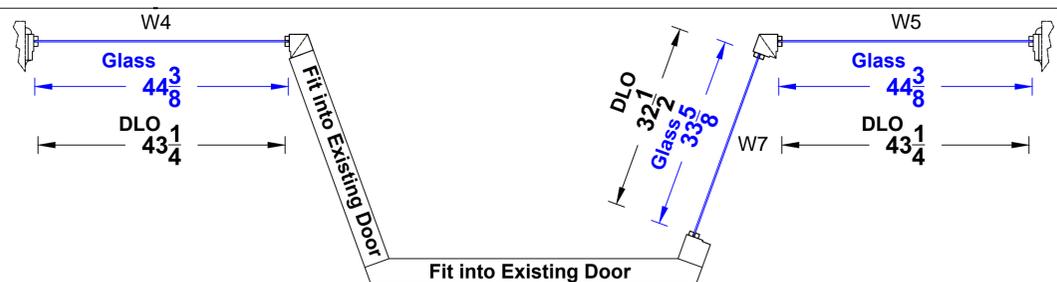
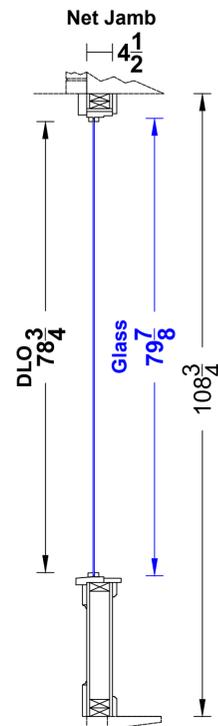
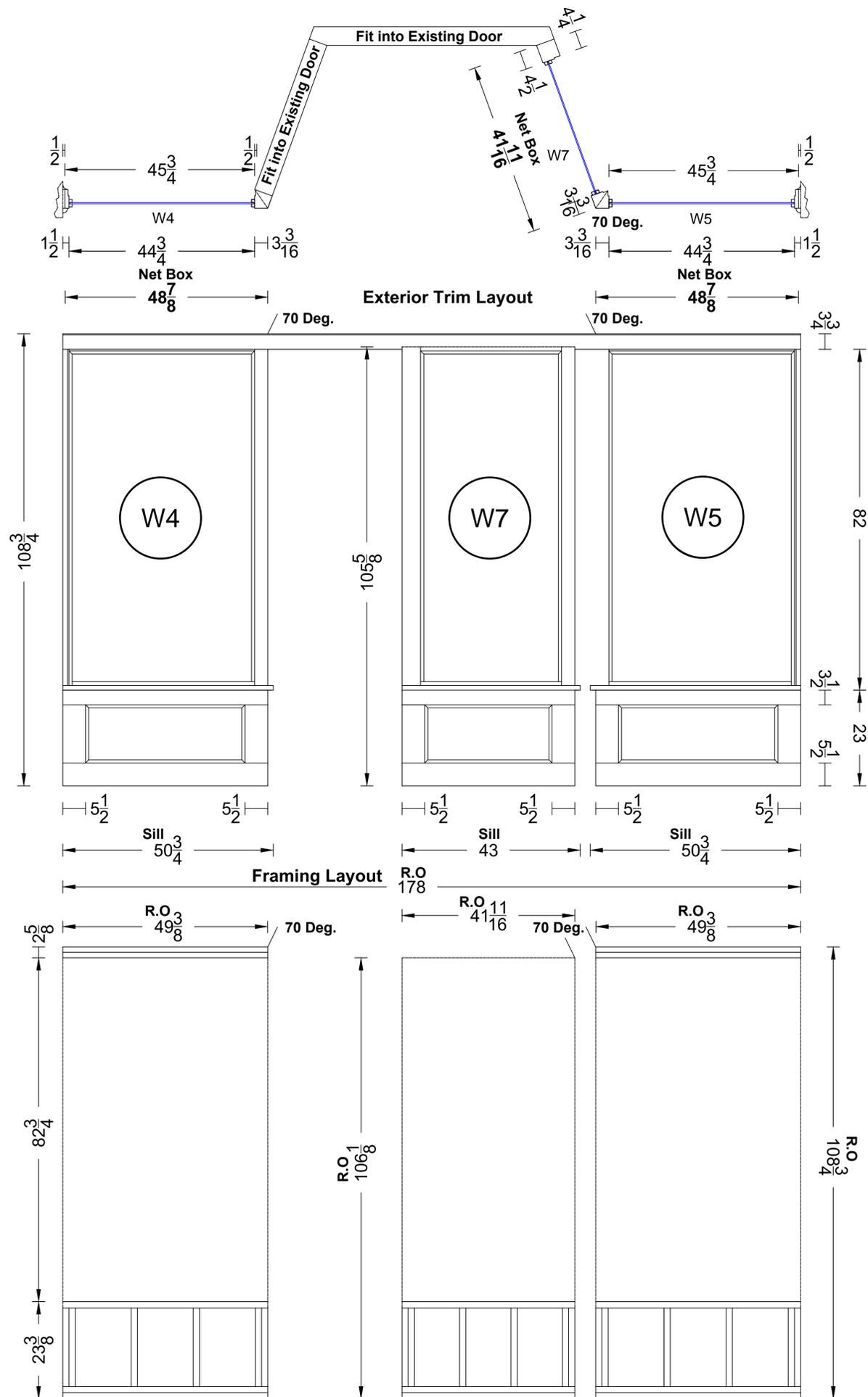
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(34" x 22" Paper)
Scale: $\frac{1}{32}'' = 1''$
(17" x 11" Paper)

Seattle Union Gospel Mission
Storefronts located on:
211 S Washington St, Seattle WA
Elevation - Washington St.
Exterior - W3a, W3b, W3c, W3d

11/07/2023
Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709



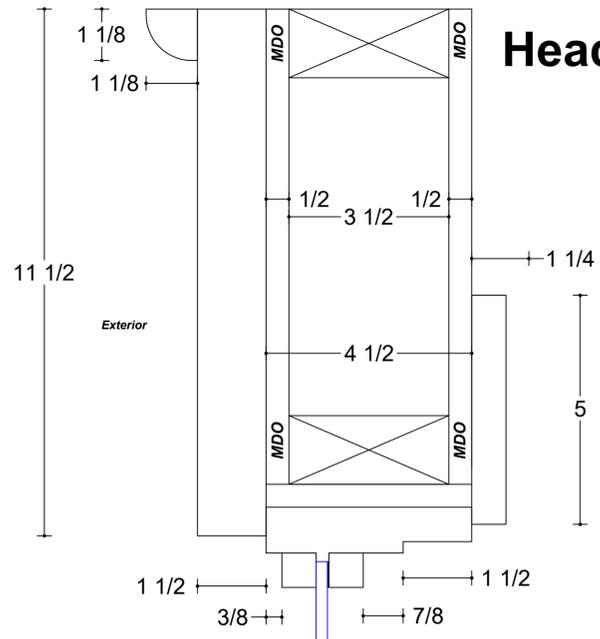
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(Not for Production)



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(34" x 22" Paper)
Scale: 1/32" = 1"
(17" x 11" Paper)

Seattle Union Gospel Mission
Storefronts located on:
211 S Washington St, Seattle WA
Elevation - Washington St.
Exterior - W4, W5, W7

11/07/2023
Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709

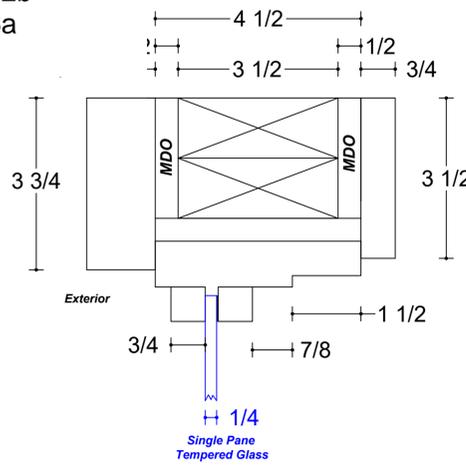


Head Jamb @

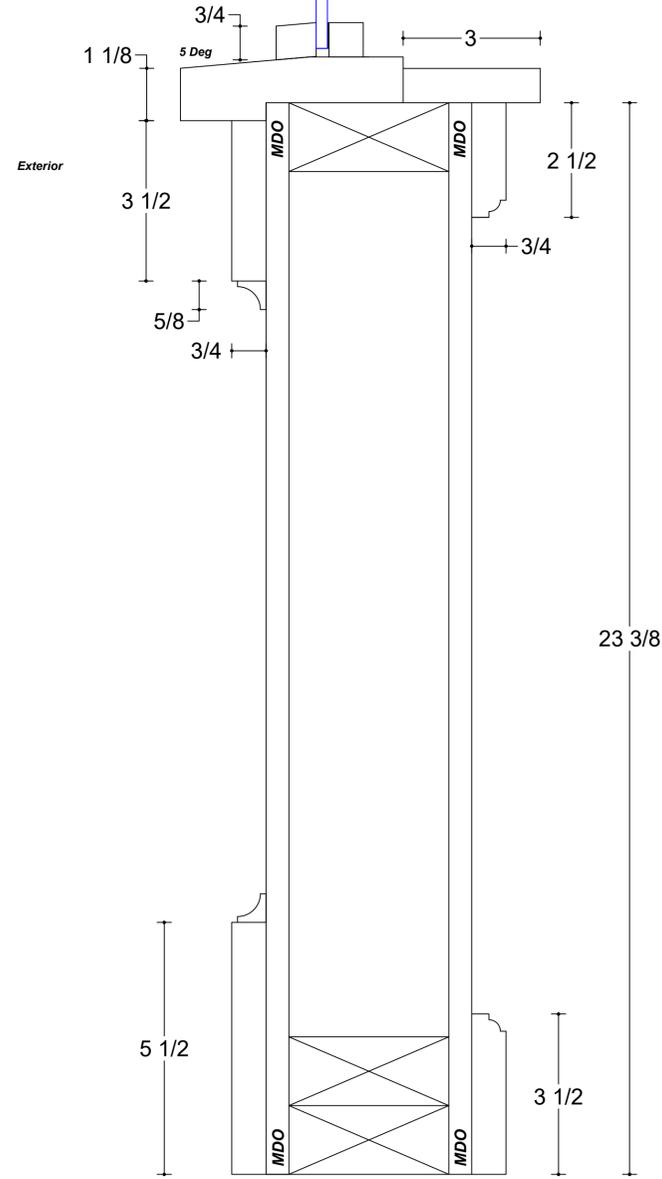
- W9a
- W9b
- W10
- W6b
- W6a
- W11
- W12a
- W12b
- W6a

Head Jamb @

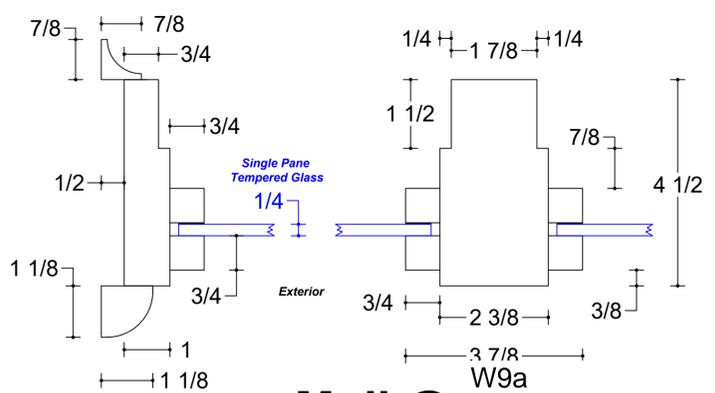
- W1
- W2a
- W2
- W2c
- W3a
- W3b
- W3c
- W3d
- W4
- W7
- W5



**Curb Wall
(All Storefronts)**



**Side Jamb @ Wall
(All Storefronts)**

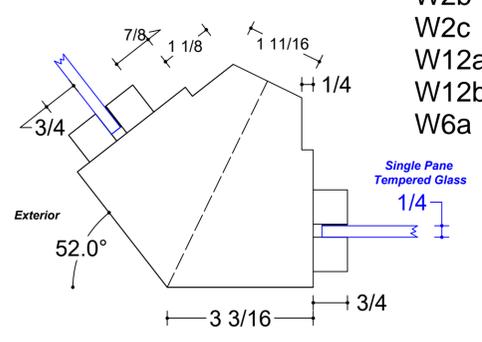


Mull @

- W9a
- W9b
- W10
- W6b
- W6a
- W11
- W12a
- W12b
- W6a

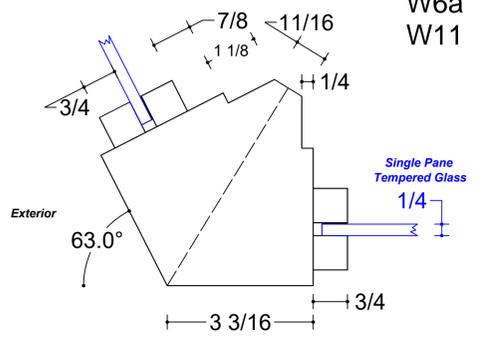
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(Not for Production)**

52 Deg. Mull @



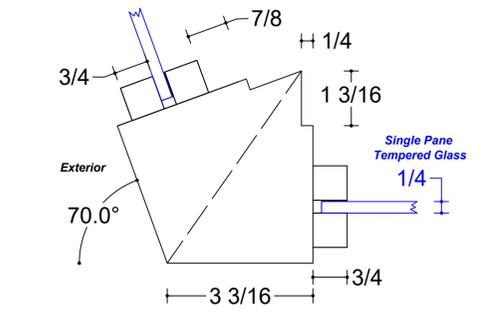
- W1
- W2a
- W2b
- W2c
- W12a
- W12b
- W6a

63 Deg. Mull @



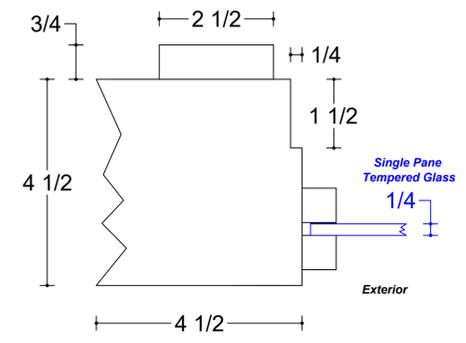
- W10
- W6b
- W6a
- W11

70 Deg. Mull @

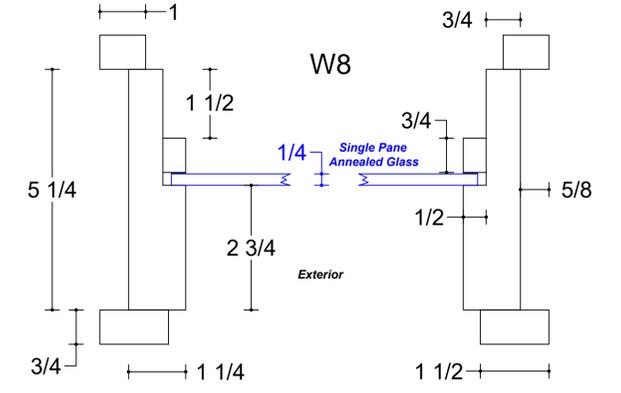


- W4
- W7
- W5

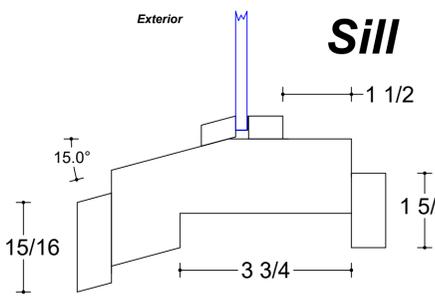
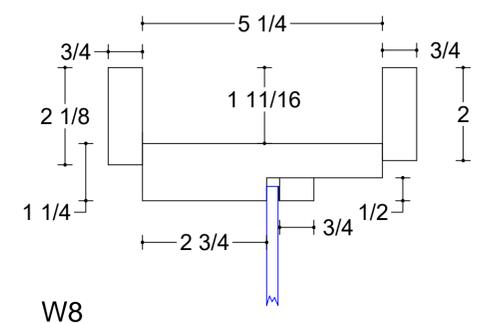
Tie-In @ Existing Doors



**Fixed Window - V
Side Jamb**



**Fixed Window - V
Head Jamb**



**Scale: 1/2" = 1"
(34" x 22" Paper)
Scale: 1/4" = 1"
(17" x 11" Paper)**

**Seattle Union Gospel Mission
Storefronts located on:
301 2nd Avenue Ext S, Seattle WA
211 S Washington St, Seattle WA**

**Storefront Details
11/07/2023**

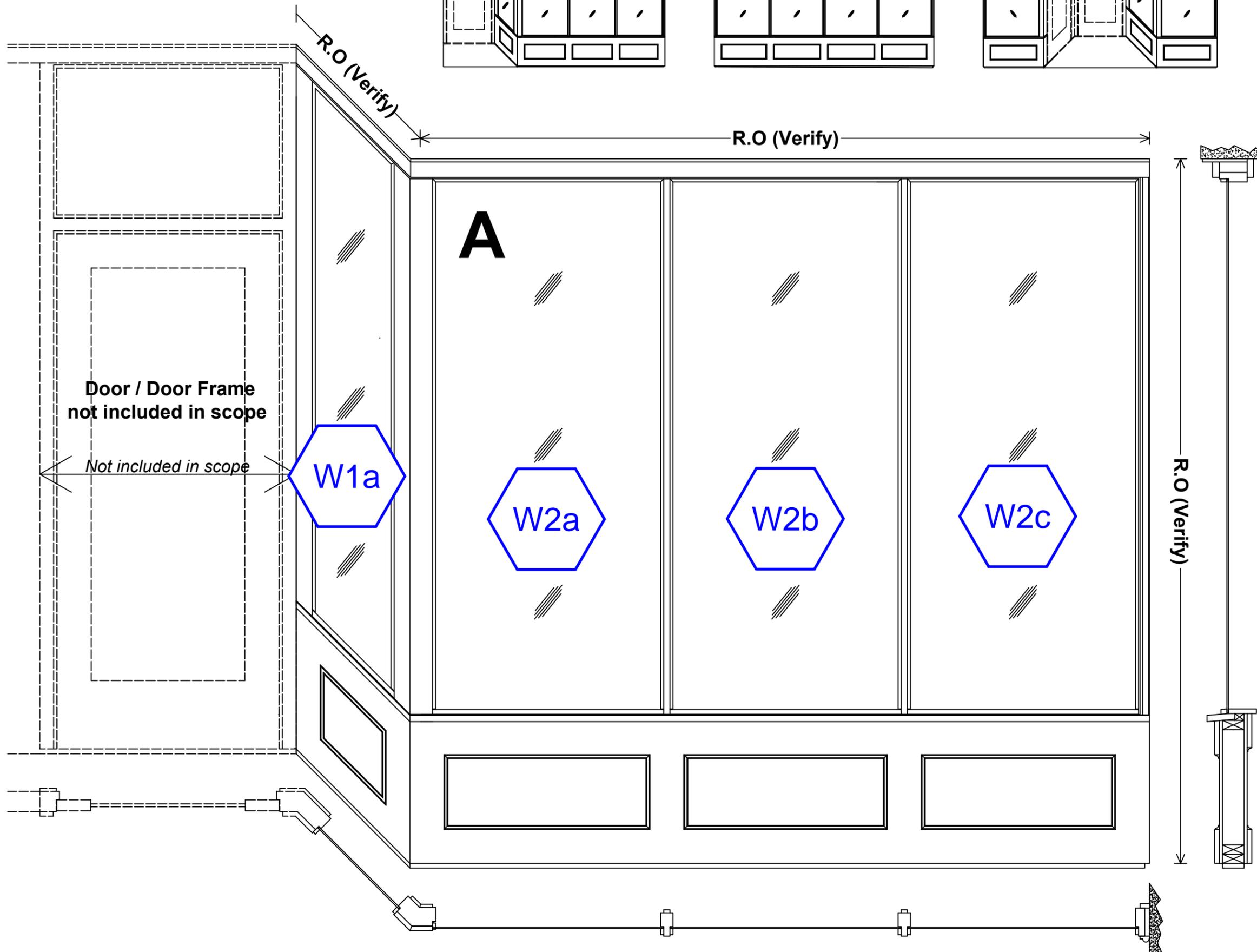
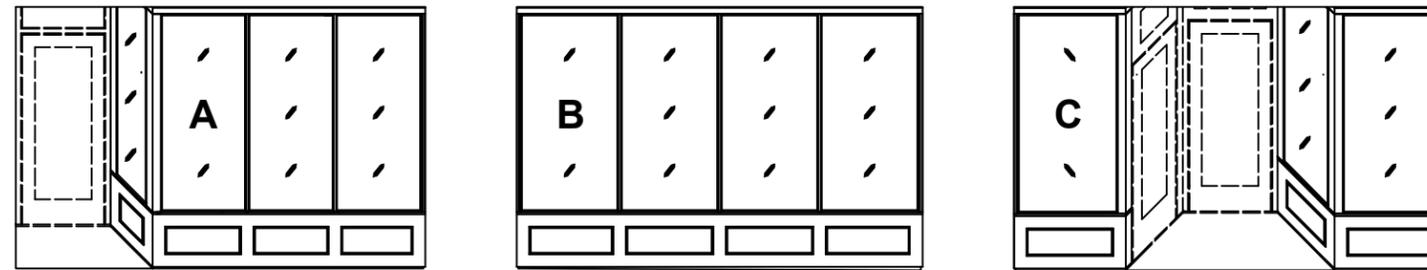
**Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709**

New Storefront - Left A

Exterior View

Seattle Union Gospel Mission

211 S Washington St, Seattle WA



Replicate Historic Details

(Field Verify)

Scale: $\frac{1}{16}'' = 1''$

Seattle Union Gospel Mission
Storefronts located on:
211 S Washington St, Seattle WA
Elevation - Left A
Exterior - A, B, C

09/05/2023

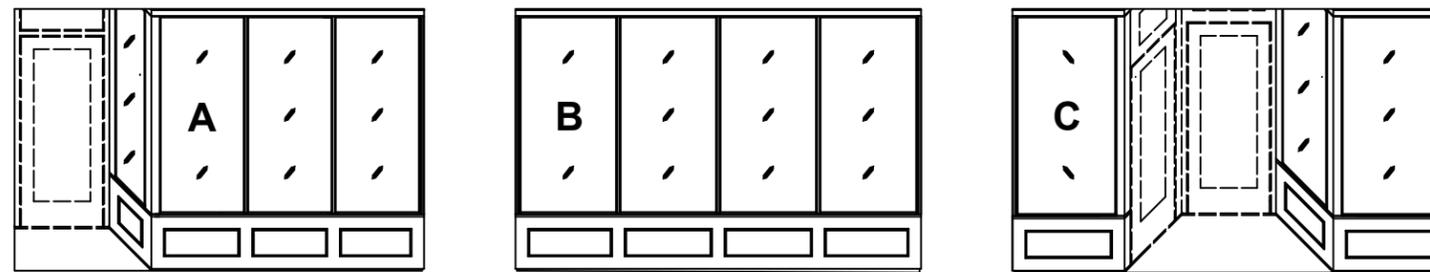
Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709

New Storefront - Center B

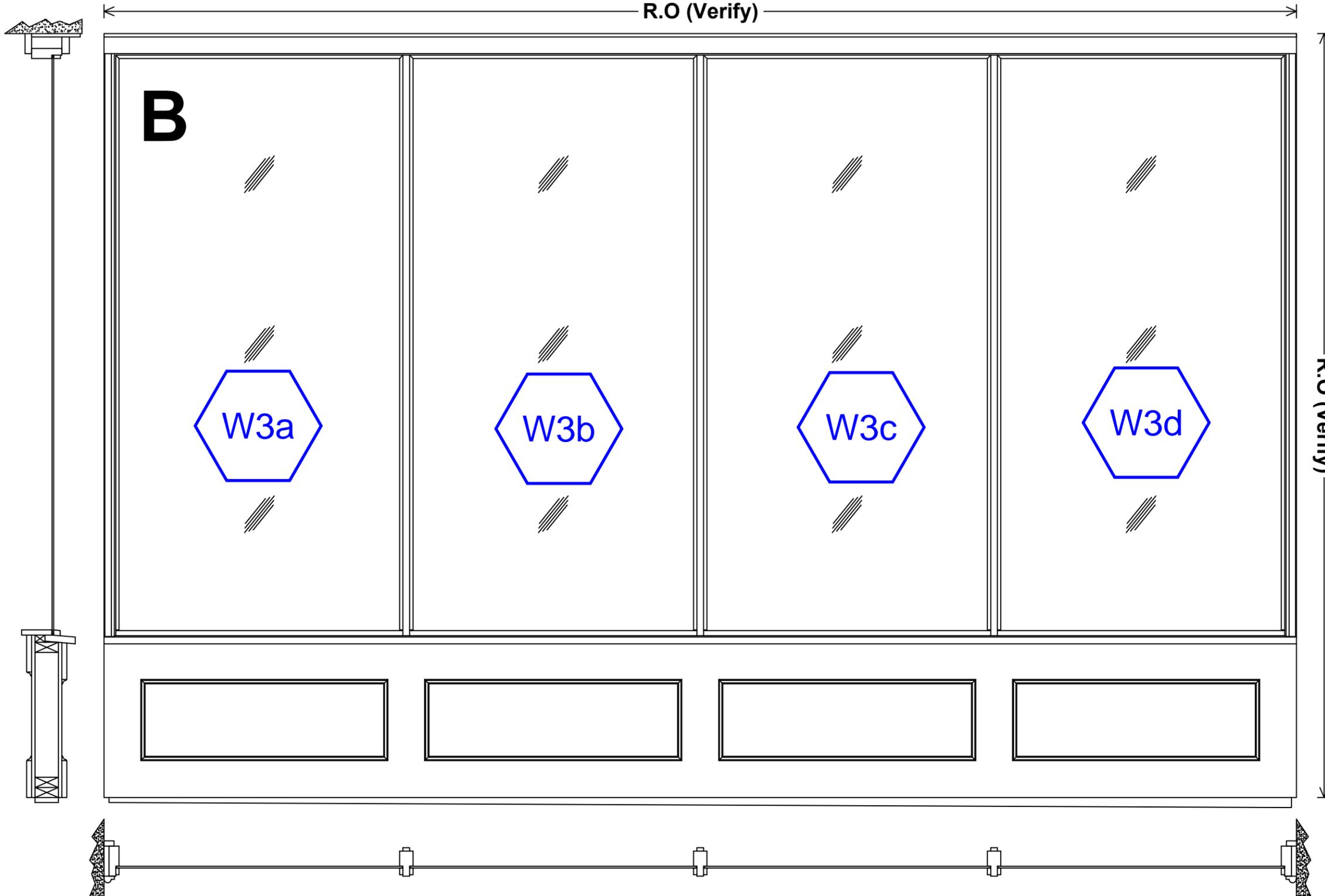
Exterior View

Seattle Union Gospel Mission

211 S Washington St, Seattle WA



R.O (Verify)



Replicate Historic Details

(Field Verify)

Scale: $\frac{1}{16}'' = 1''$

Seattle Union Gospel Mission
Storefronts located on:
211 S Washington St, Seattle WA
Elevation - Center B
Exterior - A, B, C

09/05/2023

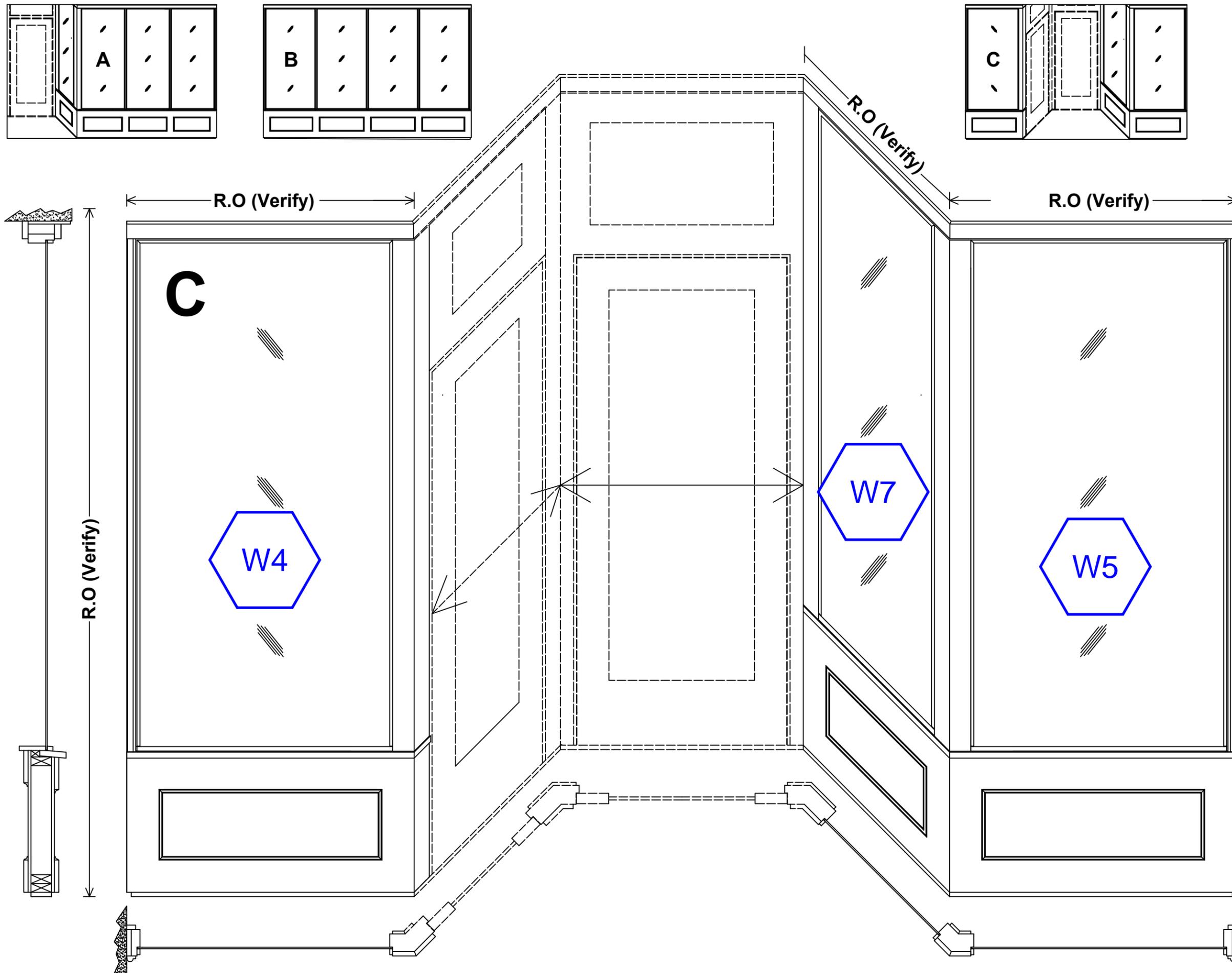
Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709

New Storefront - Right C

Exterior View

Seattle Union Gospel Mission

211 S Washington St, Seattle WA



Replicate Historic Details

(Field Verify)

Scale: $\frac{1}{16}'' = 1''$

Seattle Union Gospel Mission
Storefronts located on:
211 S Washington St, Seattle WA
Elevation - Right C
Exterior - A, B, C

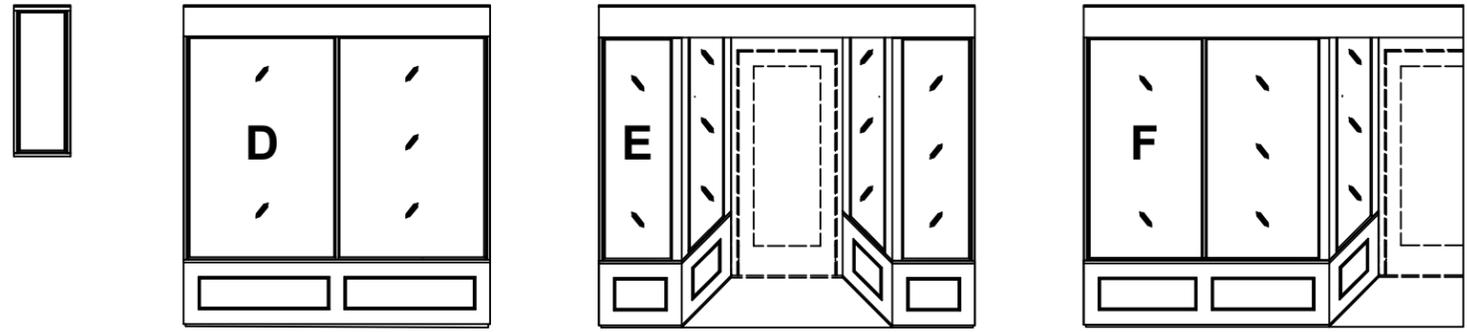
09/05/2023

Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709

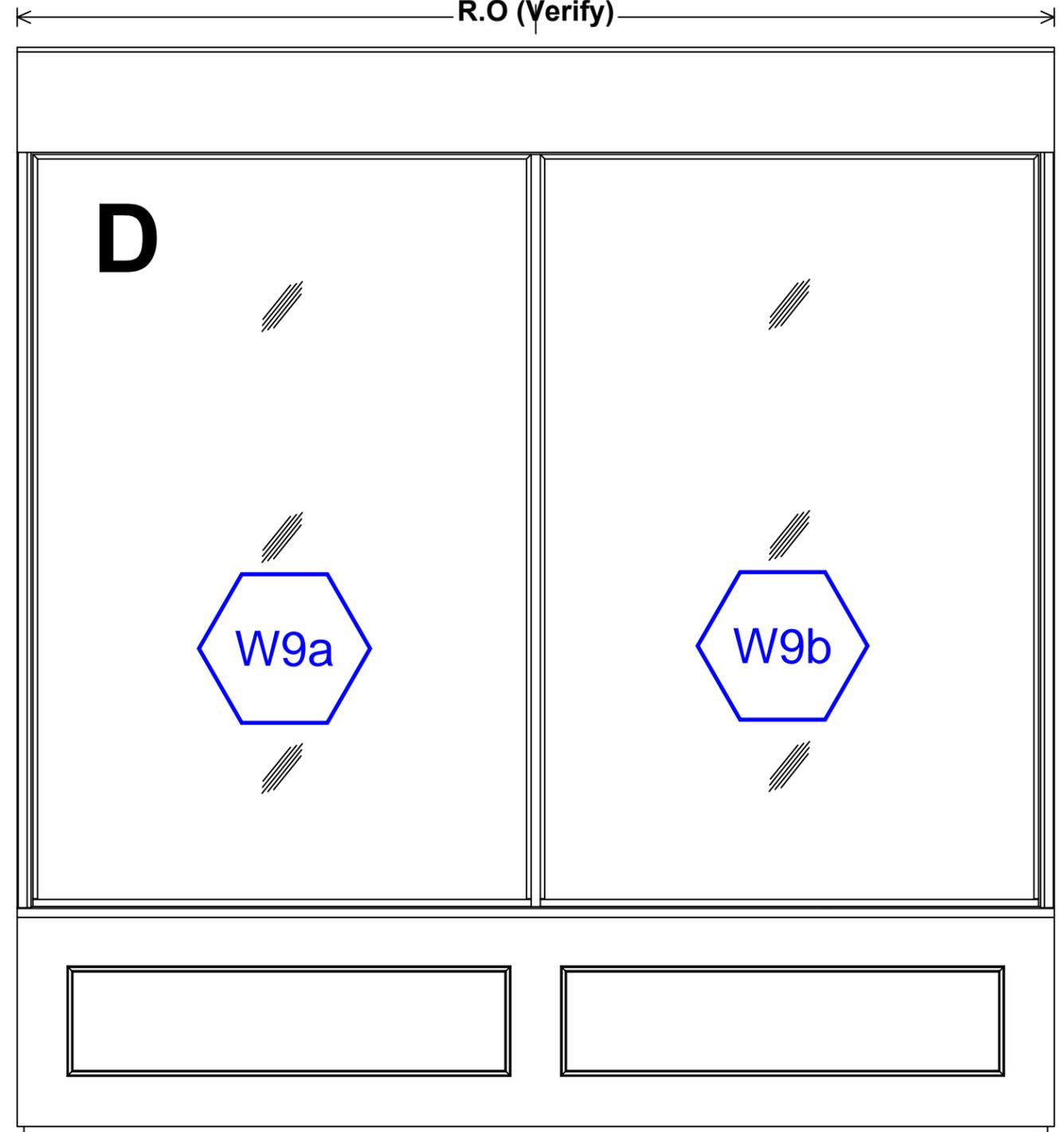
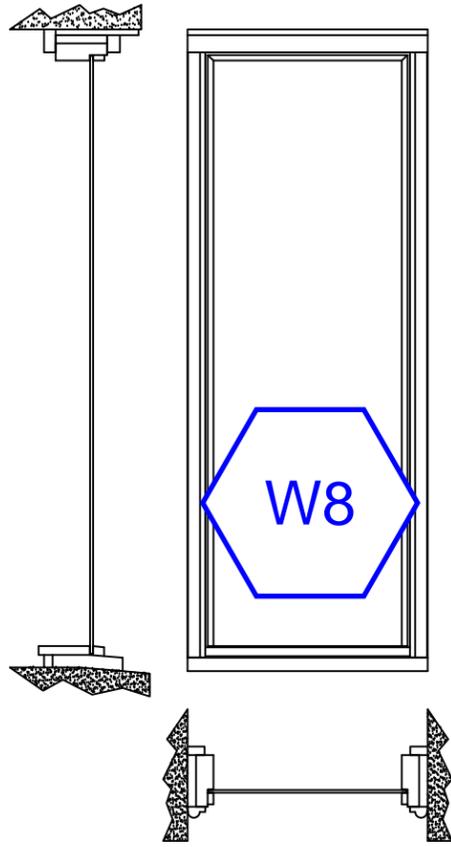
New Storefront - 2nd Ave - D

Exterior View

Seattle Union Gospel Mission
301 2nd Avenue Ext S, Seattle WA



R.O (Verify)



Replicate Historic Details
(Field Verify)

Scale: $\frac{1}{16}'' = 1''$

Seattle Union Gospel Mission
Storefronts located on:
301 2nd Avenue Ext S, Seattle WA
Elevation - 2nd Ave - D
Exterior - D, E, F

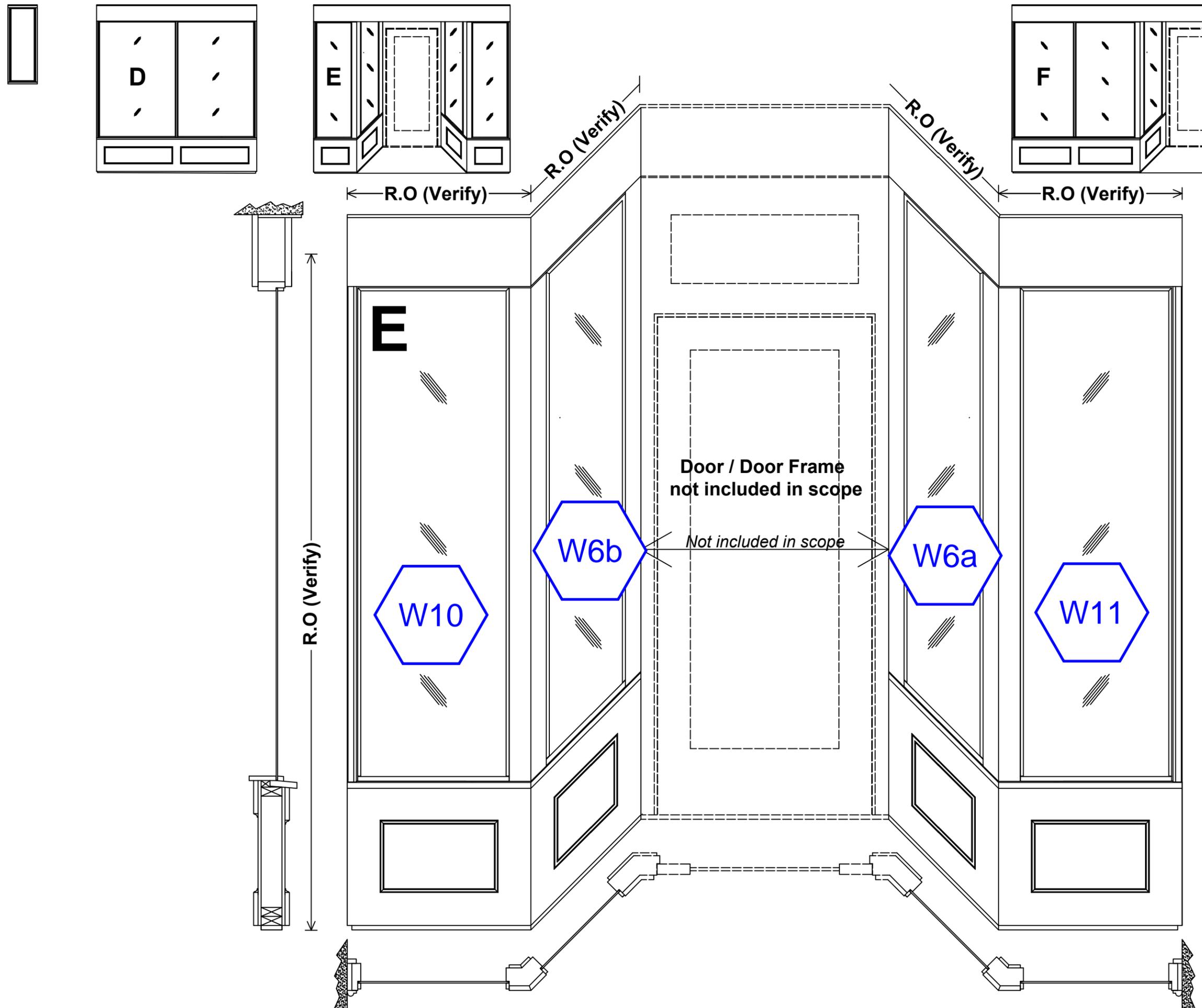
09/05/2023

Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709

New Storefront - 2nd Ave - E

Exterior View

Seattle Union Gospel Mission
301 2nd Avenue Ext S, Seattle WA



Replicate Historic Details
(Field Verify)

Scale: $\frac{1}{16}'' = 1''$

Seattle Union Gospel Mission
Storefronts located on:
301 2nd Avenue Ext S, Seattle WA
Elevation - 2nd Ave - E
Exterior - D, E, F

09/05/2023

Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709

New Storefront - 2nd Ave - G

Exterior View

Seattle Union Gospel Mission
318 2nd Avenue Ext S, Seattle WA

Replicate Historic Details
(Field Verify)

R.O (Verify)

G

Lower LH Storefront Only

W14

Door / Door Frame
not included in scope

Not included in scope

Not included in scope

Not included in scope

G

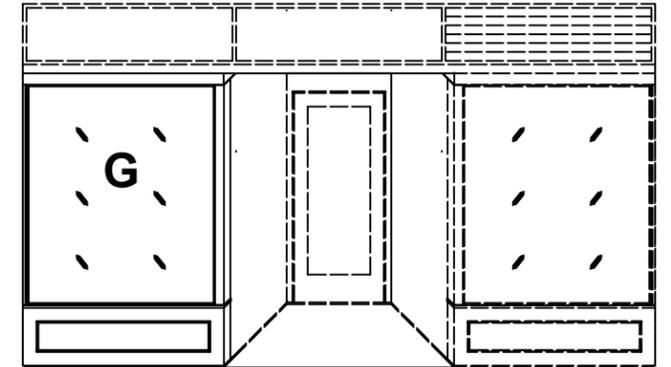
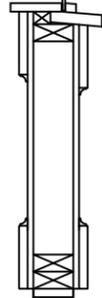
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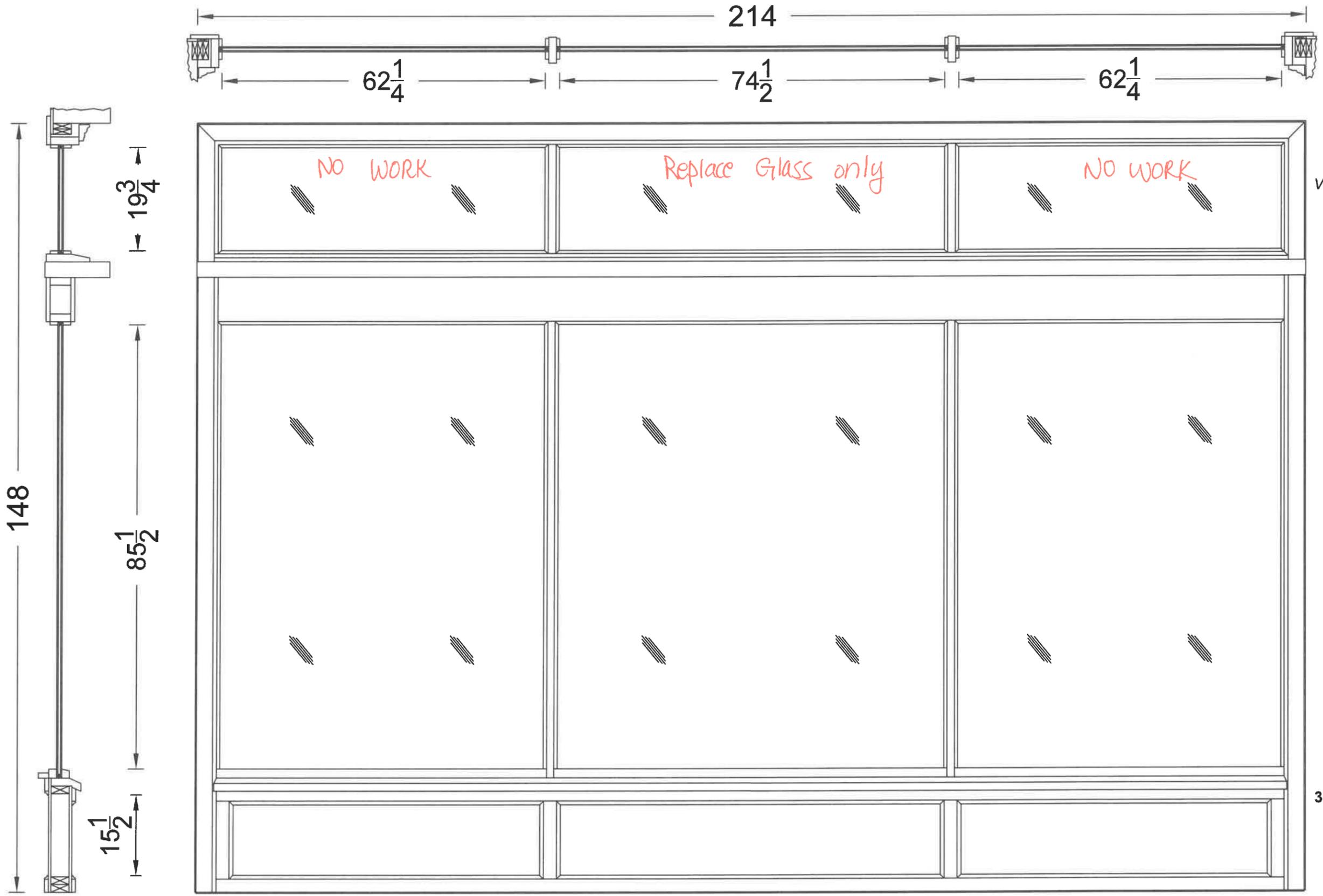
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Seattle Union Gospel Mission
Storefronts located on:
301 2nd Avenue Ext S, Seattle WA
Elevation - 2nd Ave - G
Exterior - G

09/05/2023

Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709





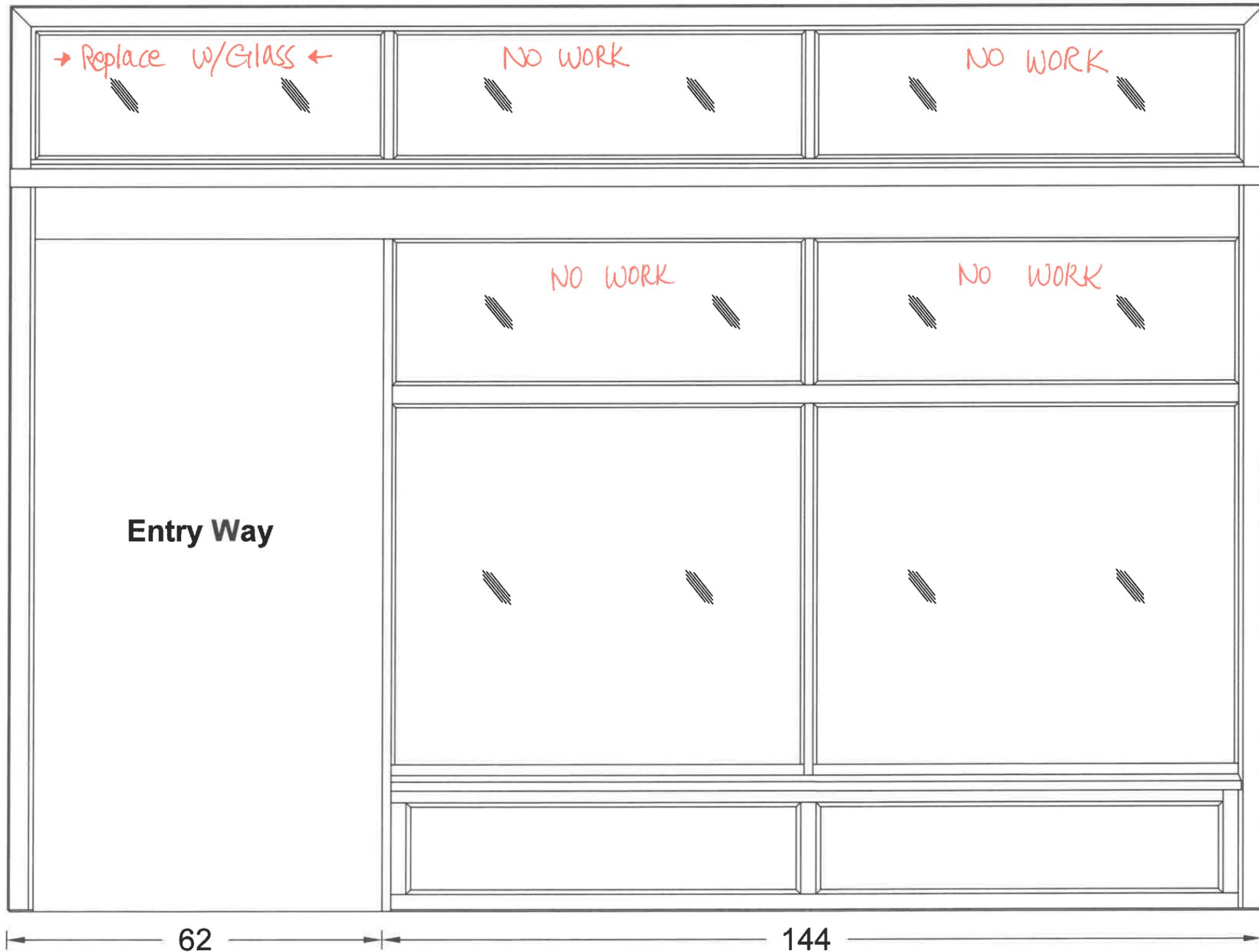
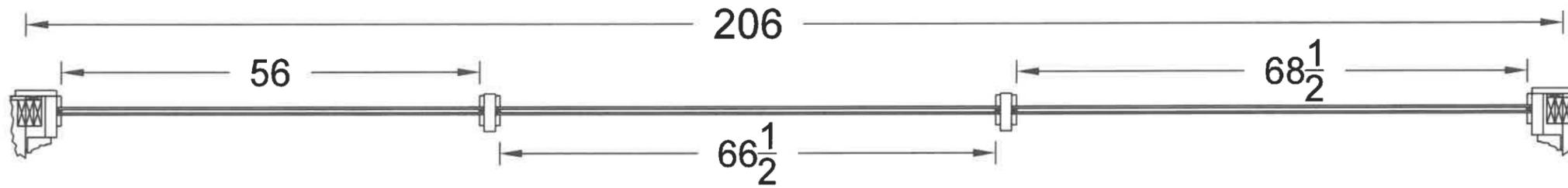
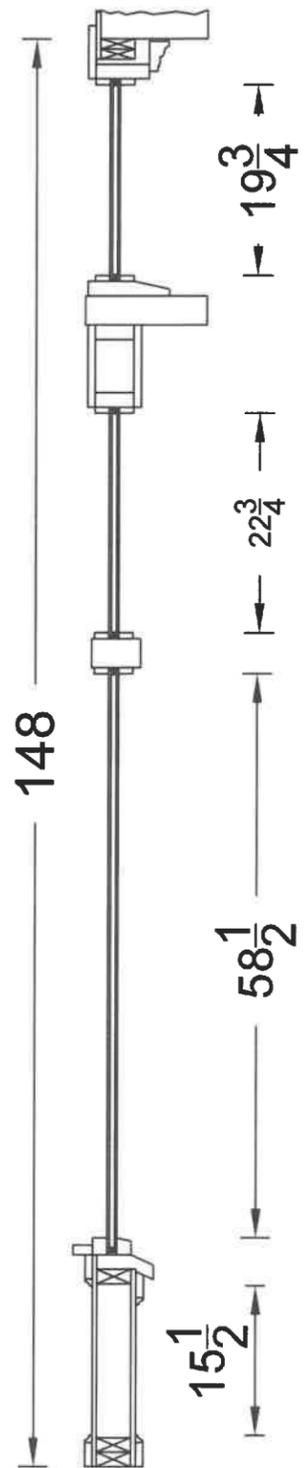
Replicate Historic Details

(Field Verify)

Verify all DLO's and Rough Openings

Seattle Union Gospel Mission
 Storefronts located on:
 301 2nd Avenue Ext S, Seattle WA
 Elevation - B

03/29/2024
 Bear Wood Windows
 12715 Pacific Hwy SW
 Lakewood, WA 98499
 Phone: (253) 471-1259
 Toll Free: (888) 704-2709



Replicate Historic Details
(Field Verify)

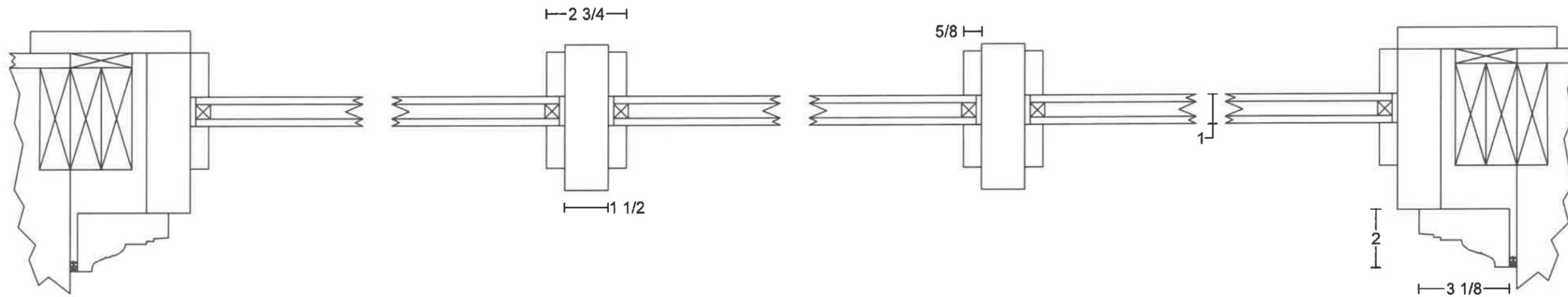
Verify all DLO's and Rough Openings

Ace Hotel

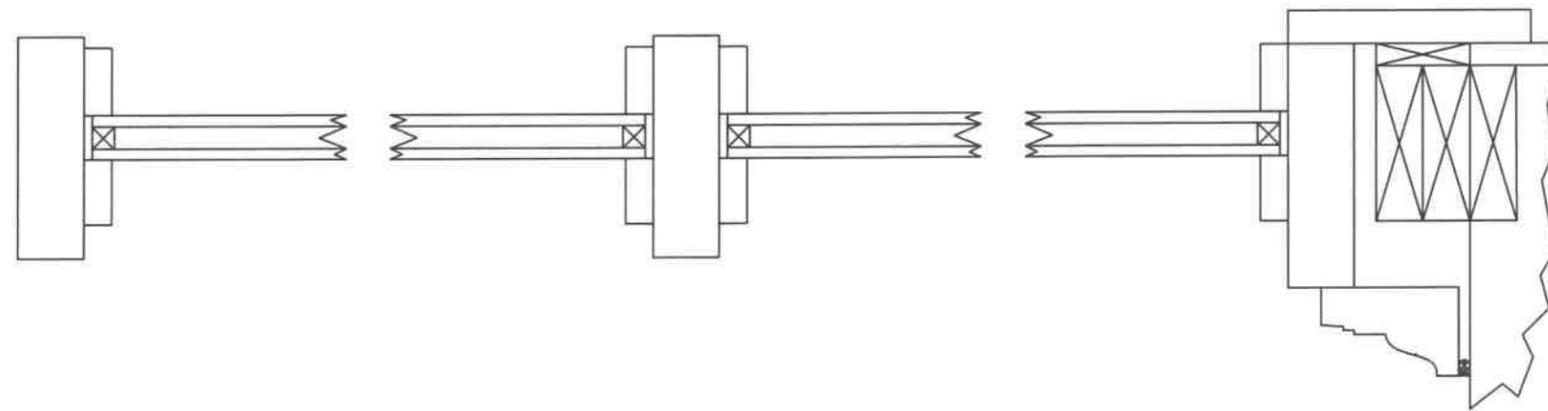
Seattle Union Gospel Mission
Storefronts located on:
301 2nd Avenue Ext S, Seattle WA
Elevation - A

03/29/2024

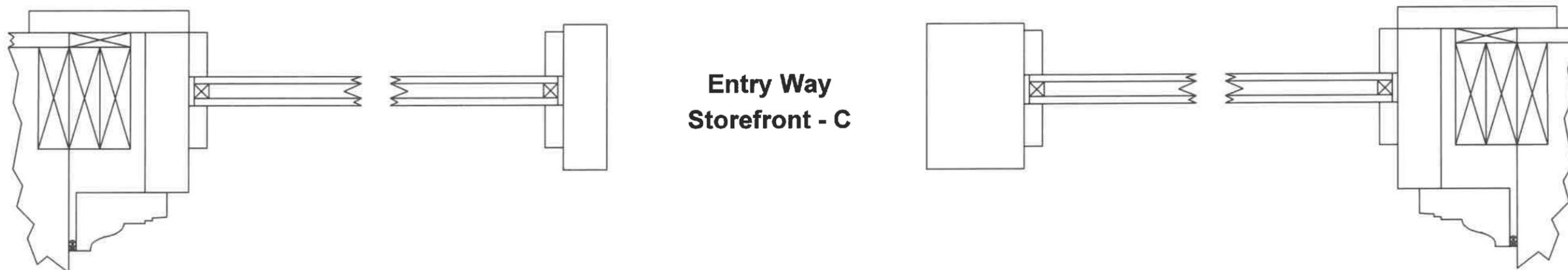
Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709



**Entry Way
Storefront - A**



**Entry Way
Storefront - C**



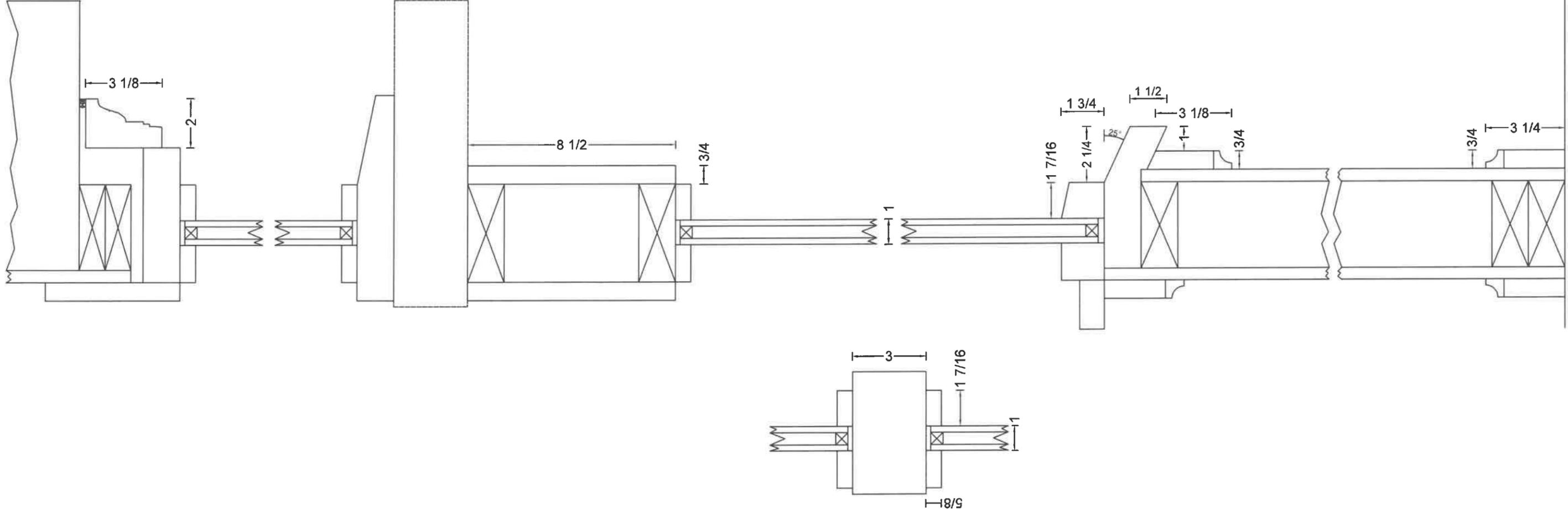
Scale: 1/4" = 1"
(17" x 11" Paper)

Seattle Union Gospel Mission
Storefronts located on:
301 2nd Avenue Ext S, Seattle WA

Storefront: Top View

03/29/2024

Bear Wood Windows
12715 Pacific Hwy SW
Lakewood, WA 98499
Phone: (253) 471-1259
Toll Free: (888) 704-2709



Scale: 1/4" = 1"
 (17" x 11" Paper)

Seattle Union Gospel Mission
 Storefronts located on:
 301 2nd Avenue Ext S, Seattle WA

Storefront: Side View

03/29/2024

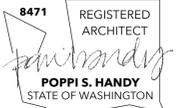
Bear Wood Windows
 12715 Pacific Hwy SW
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where architecture meets community
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Seattle, WA 98104

Seattle's Union Gospel Mission English Chapel TI

211 S Washington Street
Seattle, WA 98104



DEMO PLAN NOTES

1. CONTRACTORS SHALL FOLLOW ALL PROCEDURES AS REQUIRED BY LAW WHEN WORKING WITH AND AROUND LEAD CONTAINING PAINT OR ANY MATERIAL SUSPECTED OF CONTAINING ASBESTOS OR ANY OTHER HAZARDOUS MATERIALS.
2. WHILE DRAWINGS ATTEMPT TO INDICATE TOTAL DEMOLITION WORK THEY MAY NOT IDENTIFY EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION REQUIRED FOR IMPROVEMENTS SHOWN IN ALL AREAS WHETHER SPECIFICALLY IDENTIFIED OR NOT.
3. WHERE INTERIOR PARTITIONS, WALLS, AND OTHER FEATURES ARE INDICATED FOR REMOVAL OR PARTIAL DEMOLITION, AS INDICATED BY DASHED LINES, CONTRACTOR SHALL TAKE PRECAUTIONS TO RETAIN AND PROTECT LOAD BEARING STRUCTURAL ELEMENTS.
4. UNLESS INDICATED FOR SALVAGE OR RE-USE, ALL PARTITIONS, FINISHES, FIXTURES, AND OTHER EXISTING ITEMS DIRECTED FOR DEMO SHALL BE REMOVED FROM THE SITE AND DISPOSED OF ACCORDING TO THE PROJECT MANUAL. SALVAGED ITEMS INDICATED FOR RE-USE SHALL BE STORED TO PROTECT THEM FROM DAMAGE AND THE ELEMENTS - ON SITE, IN A LOCATION SELECTED BY THE OWNER.
5. DEMOLITION OF MECHANICAL AND ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR WHETHER OR NOT DIRECTED BY THE CONTRACTOR TO SPECIFIC CONTRACTORS.
6. CAP ALL ABANDONED INCOMING SERVICE LINES TO INCLUDE: WATER, AND SEWER.
7. REMOVE ALL ABANDONED EXPOSED ELECTRICAL WIRING, CONDUIT, FIXTURES, PANELS/SERVICE BOXES ETC.
8. REMOVE ALL MISCELLANEOUS BOLTS HANGERS, HOOKS, ETC. FROM CEILINGS, WALLS AND COLUMNS THROUGHOUT
9. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND NEED TO BE FIELD VERIFIED.

PSPB CERTIFICATE OF APPROVAL
04.02.2024

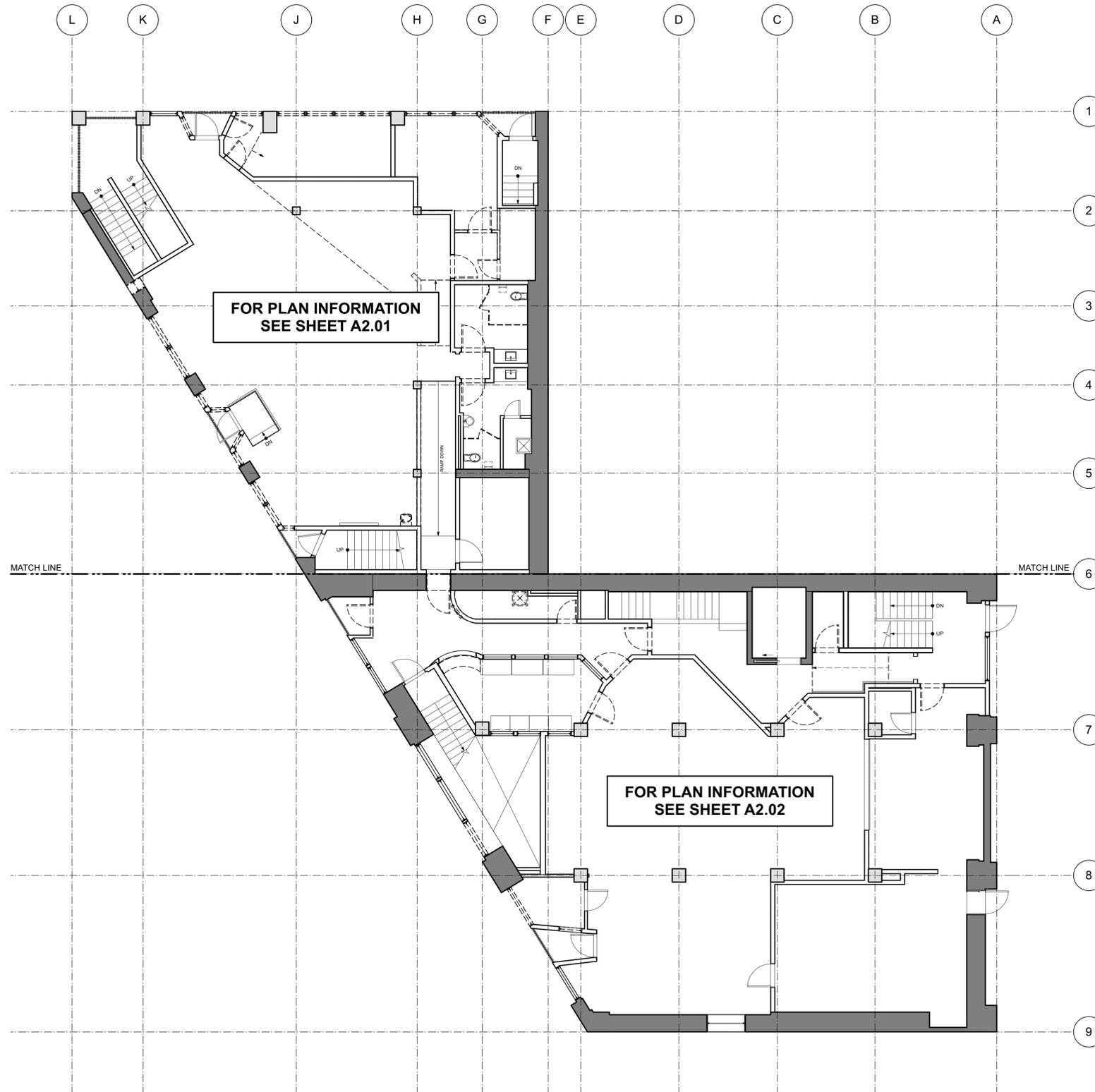
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QA/QC: DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
DEMO PLAN: LEVEL 1 OVERALL

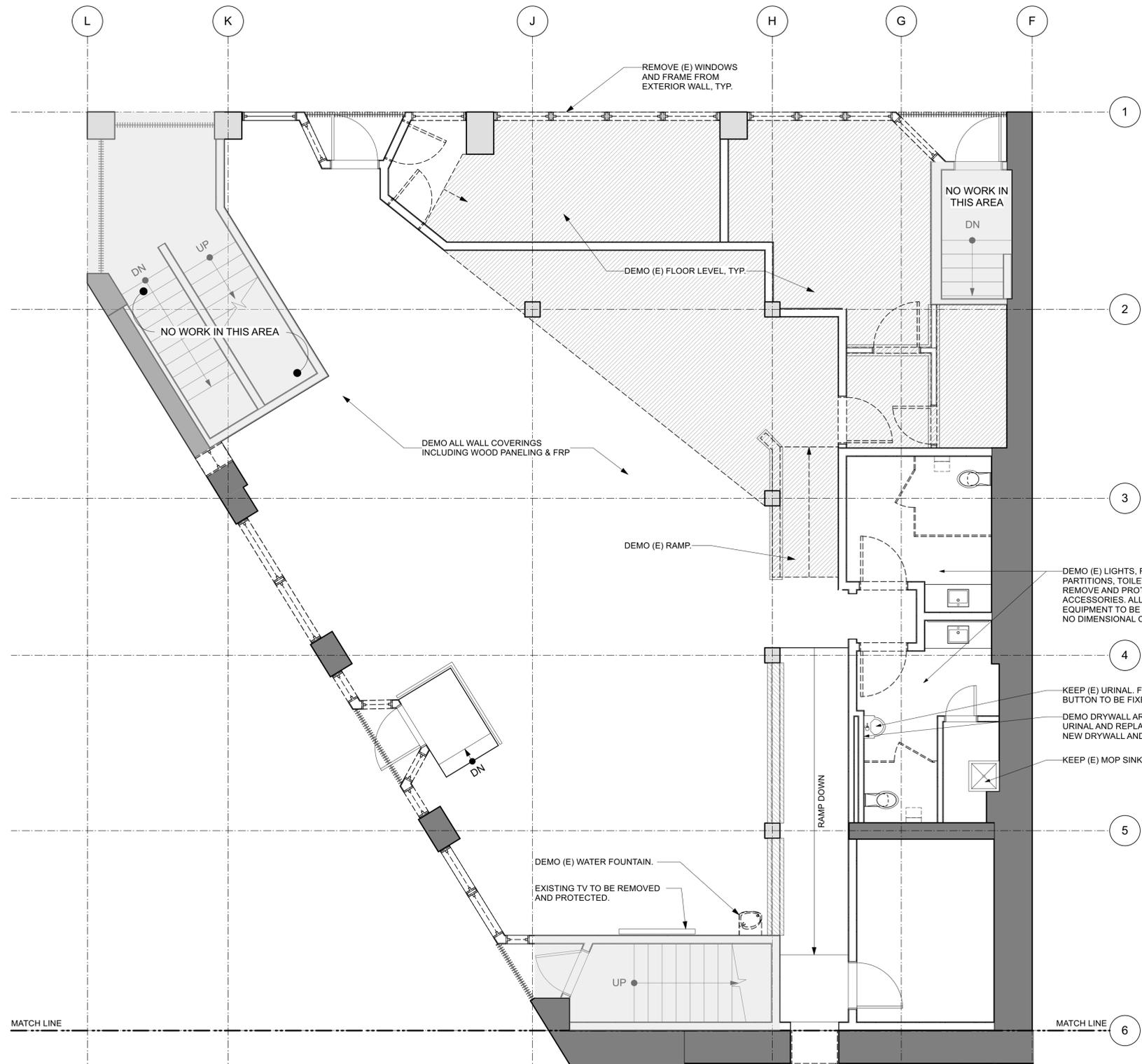
SHEET NO:

A2.00

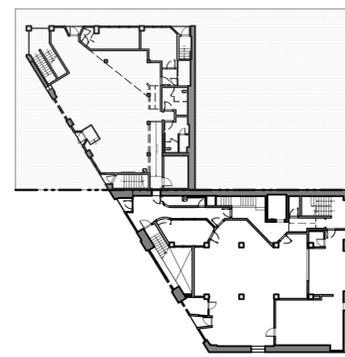


1 DEMO PLAN: LEVEL 1 OVERALL
SCALE: 1/8" = 1'-0"





KEY PLAN



DEMO PLAN NOTES

1. CONTRACTORS SHALL FOLLOW ALL PROCEDURES AS REQUIRED BY LAW WHEN WORKING WITH AND AROUND LEAD CONTAINING PAINT OR ANY MATERIAL SUSPECTED OF CONTAINING ASBESTOS OR ANY OTHER HAZARDOUS MATERIALS.
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LEGEND

- (E) WALL TO REMAIN
- (E) WALL TO BE DEMOLISHED, COMPLETE, TYP.
- - - (E) FIXTURE, ELEMENT, ETC TO BE DEMOLISHED, COMPLETE, TYP.
- NO WORK. PROTECT AREA FULLY FROM DAMAGE, DEBRIS, DUST, ETC.

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211 S Washington Street
Seattle, WA 98104



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NO.	DATE	REMARK

SHEET TITLE:
DEMO PLAN: LEVEL 1 NORTH



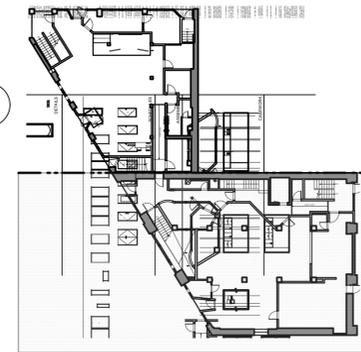
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Seattle, WA 98104

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KEY PLAN



DEMO PLAN NOTES

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- NO WORK, PROTECT AREA FULLY FROM DAMAGE, DEBRIS, DUST, ETC.

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04.02.2024

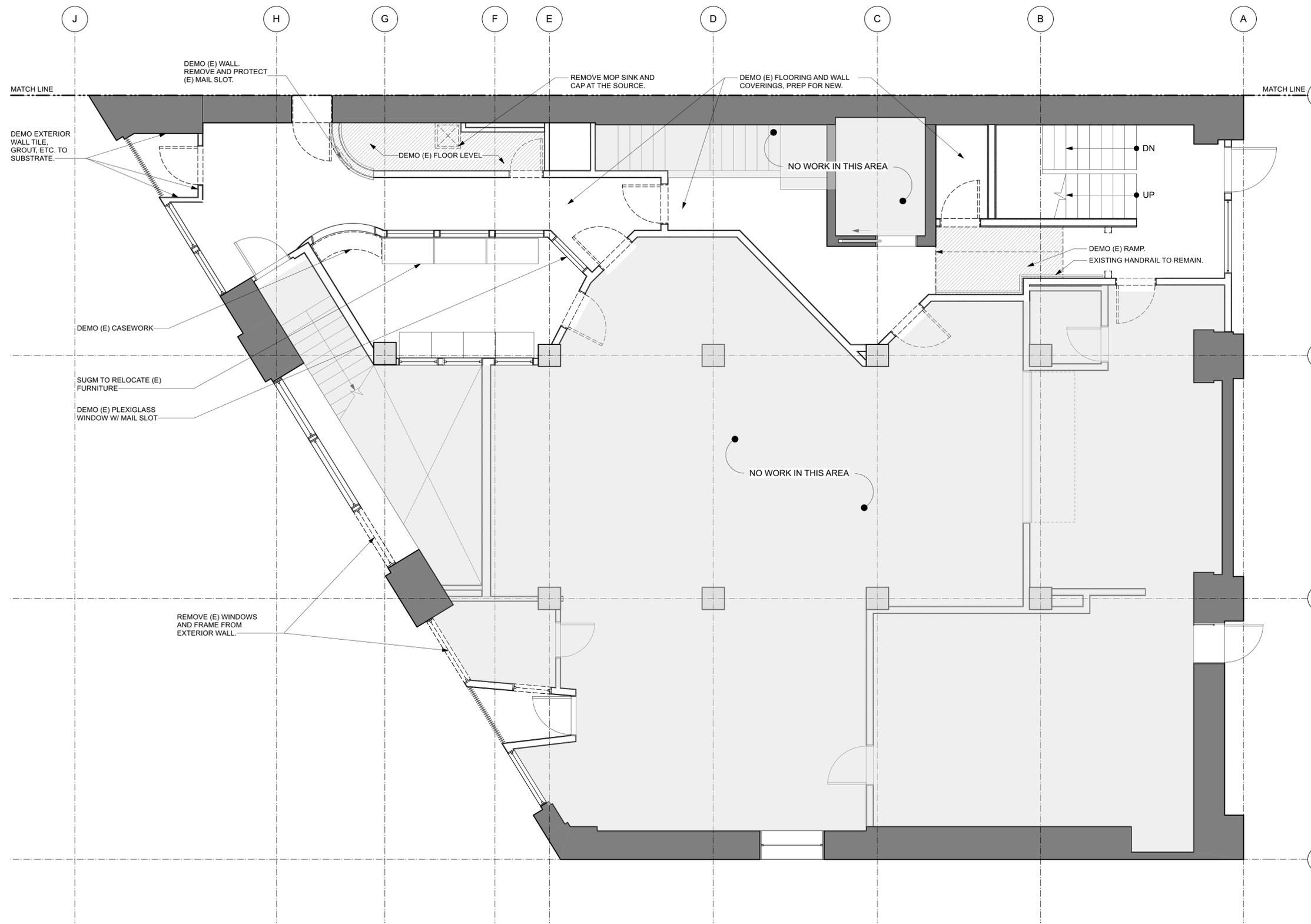
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QA/QC: DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
DEMO PLAN: LEVEL 1 SOUTH

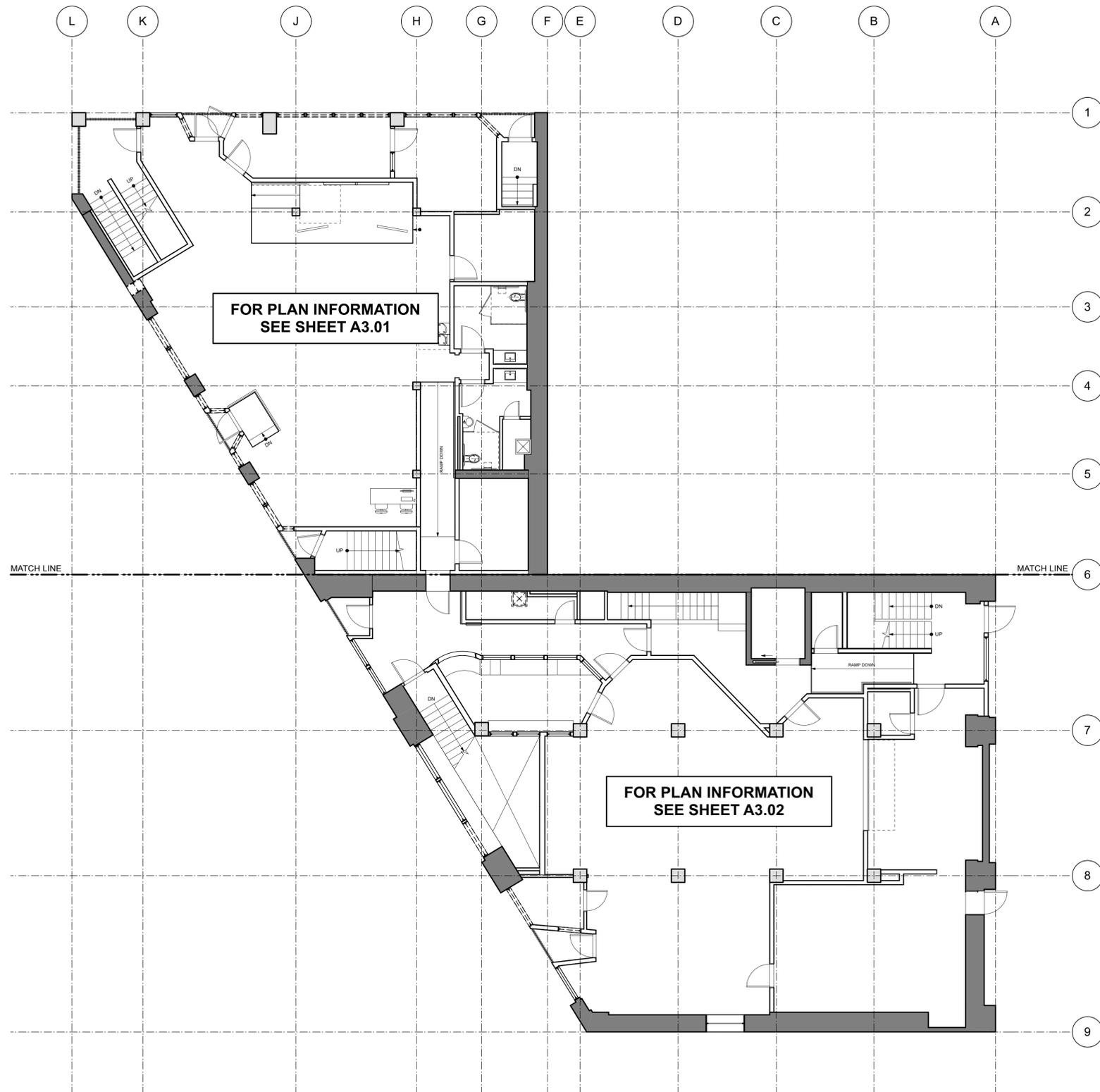
SHEET NO:

A2.02



1 PLAN: LEVEL 1 SOUTH
SCALE: 1/8" = 1'-0"





1 PLAN: LEVEL 1 OVERALL
SCALE: 1/8" = 1'-0"



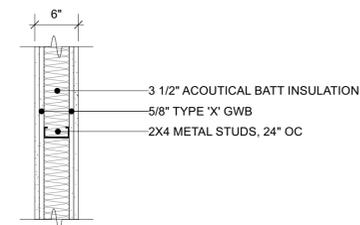
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Seattle's Union Gospel Mission English Chapel TI

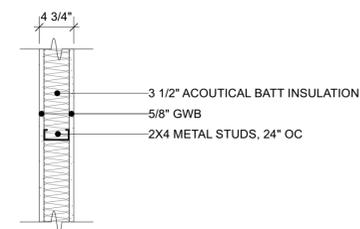
211 S Washington Street
Seattle, WA 98104



WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE			
GA FILE NO. WP 1716	GENERIC	2 HOUR FIRE	40 to 44 STC SOUND
GYPSON WALLBOARD, STEEL STUDS			
<p>Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3 1/2" 20 gage steel studs 24" o.c. with 1" Type S-12 drywall screws 12" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S-12 drywall screws 12" o.c. Studs attached to each side of floor and ceiling runners by welding or with 1/2" Type S-12 panhead screws.</p> <p>Joints staggered 24" each layer and side.</p> <p>Bracing: Lateral bracing spaced not over 45" o.c. shall be 1" by 18 gage steel strips attached to each side or channel bracing attached to each stud with a clip angle. For studs with holes or punch-outs in the web the "C" factor shall be determined by means of stub column tests. Tested at 80 percent of design load. (LIMITED LOAD-BEARING)</p>			
Thickness:	6"	Subject to design	
Limiting Height:	10 psf		
Approx. Weight:	UL NC 506-6, 7-29-82,		
Fire Test:	UL Design U425		
Sound Test:	See WP 1615 (NSC 2250, 1-3-68)		



W2 2X4 INTERIOR STAIR WALL
2 HR RATED - GA NO. WP 1716



W1 2X4 INTERIOR PARTITION WALL
NON-RATED

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04.02.2024

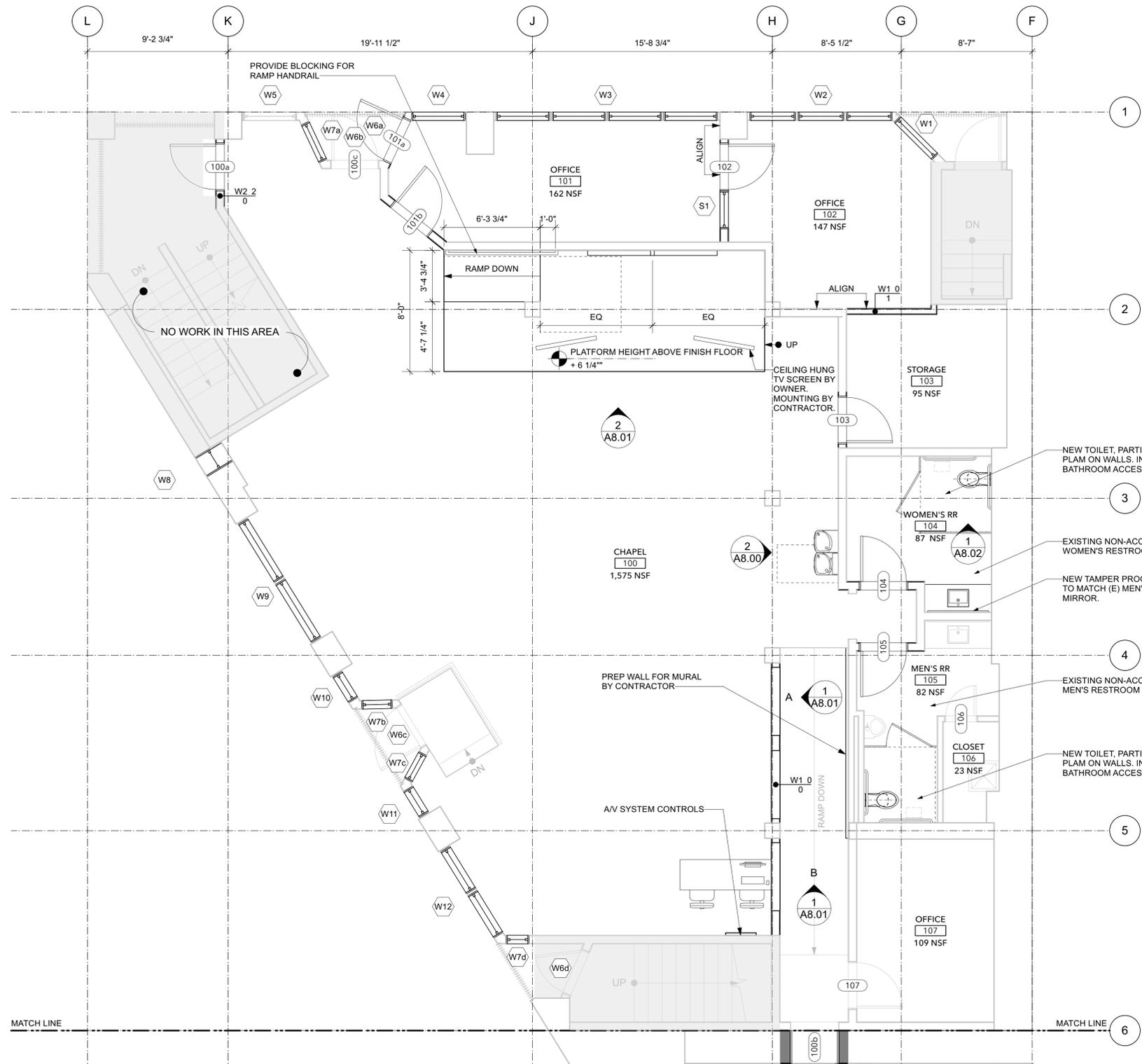
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QA/QC: [Signature] DATE: _____

NO.	DATE	REMARK

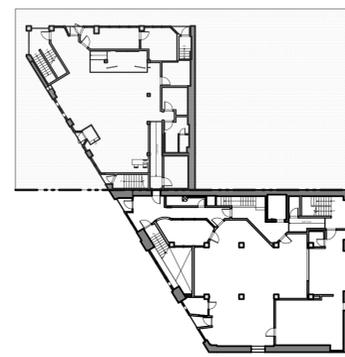
SHEET TITLE:
PLAN: LEVEL 1 OVERALL & WALL TYPES

SHEET NO:

A3.00



KEY PLAN



PLAN NOTES

1. WALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.
2. UNTAGGED WALLS ARE EXISTING TO REMAIN, SEE DEMO PLAN SHEET A2.00
3. PAINT WOOD DOOR TRIM AND FRAMES
4. ALL WALLS TO BE PAINTED PT-01 U.N.O.
5. WALL HEIGHT TO ACT ABOVE U.N.O.
6. 6' TALL CORNER GUARDS WITH 2X2 FLANGE TO BE INSTALLED AT ALL OUTSIDE CORNERS ABOVE RUBBER BASE
7. NO WORK TO OCCUR AT UNTAGGED DOORS

PLAN SYMBOLS

- DOOR TYPE, SEE DOOR SCHEDULE**
- 101
- SIDELITE TYPE, SEE SIDELITE SCHEULES**
- S1
- WALL TYPE, WALL ASSEMBLIES**
- W2 1 0
 - WALL TYPE, SEE ASSEMBLY SHEET
 - FIRE HOUR RATING, SEE KEY BELOW
 - WALL HEIGHT, SEE KEY BELOW

- HEIGHT KEY**
- 0 = TO STRUCT. ABOVE
 - 1 = STUDS AND GWB TO BOT OF CEILING
 - 2 = STUDS AND GWB TO 8'-0" A.F.F.
 - 3 = STUDS AND GWB TO 9'-0" A.F.F.
 - 4 = STUDS AND GWB TO 4'-0" A.F.F.

- FIRE HOUR RATING**
- 0 = UNRATED
 - 1 = 1 HOUR
 - 2 = 2 HOUR
 - 3 = 3 HOUR
 - 4 = 4 HOUR

Seattle's Union Gospel Mission English Chapel TI

211 S Washington Street
Seattle, WA 98104



8471 REGISTERED ARCHITECT
Poppi S. Handy
POPPI S. HANDY
STATE OF WASHINGTON

PSPB CERTIFICATE OF APPROVAL
04.02.2024

DRAWN BY: KS
QA/QC: *[Signature]* DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
PLAN: LEVEL 1 NORTH



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04.02.2024

DRAWN BY: KS
QA/QC: DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
PLAN: LEVEL 1 SOUTH

SHEET NO:

A3.02

KEY PLAN



PLAN NOTES

1. WALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.
2. UNTAGGED WALLS ARE EXISTING TO REMAIN, SEE DEMO PLAN SHEET A2.00
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4. ALL WALLS TO BE PAINTED PT-01 U.N.O.
5. WALL HEIGHT TO ACT ABOVE U.N.O.
6. 6' TALL CORNER GUARDS WITH 2X2 FLANGE TO BE INSTALLED AT ALL OUTSIDE CORNERS ABOVE RUBBER BASE
7. NO WORK TO OCCUR AT UNTAGGED DOORS

PLAN SYMBOLS

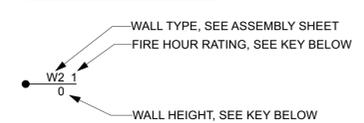
DOOR TYPE, SEE DOOR SCHEDULE

101

SIDELITE TYPE, SEE SIDELITE SCHEDULES

S1

WALL TYPE, WALL ASSEMBLIES

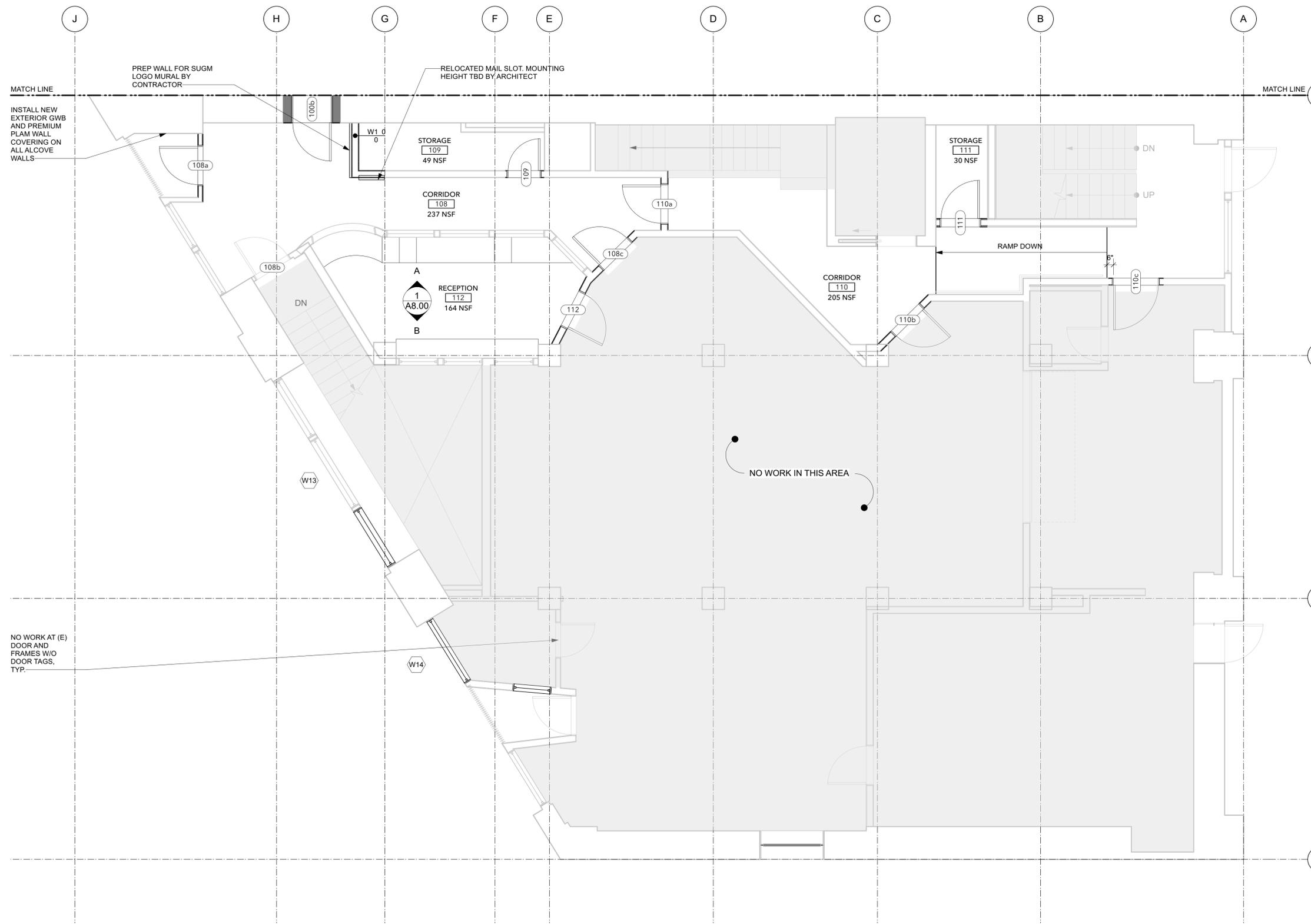


HEIGHT KEY

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- 1 = STUDS AND GWB TO BOT OF CEILING
- 2 = STUDS AND GWB TO 8'-0" A.F.F.
- 3 = STUDS AND GWB TO 9'-0" A.F.F.
- 4 = STUDS AND GWB TO 4'-0" A.F.F.

FIRE HOUR RATING

- 0 = UNRATED
- 1 = 1 HOUR
- 2 = 2 HOUR
- 3 = 3 HOUR
- 4 = 4 HOUR



1 PLAN: LEVEL 1 SOUTH
SCALE: 1/8" = 1'-0"

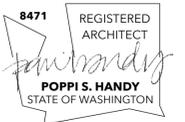




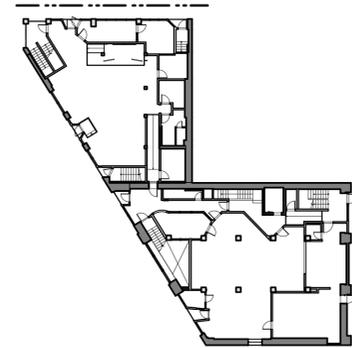
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KEY PLAN



EXTERIOR ELEVATION GENERAL NOTES:
1. TAGGED WINDOWS AND DOORS ARE PROPOSED FOR REPLACEMENT U.N.O.
2. ALL WOOD WINDOW FRAMES, TRIM, & STOREFRONTS SHOWN IN WHITE ARE PROPOSED FOR REPLACEMENT U.N.O.
3. SEE SHEETS A4.10 - A4.32 FOR SURVEY & INVENTORY DOCUMENTATION.

PSPB CERTIFICATE OF APPROVAL

04.02.2024

DRAWN BY: KS

QA/QC: *[Signature]* DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
**EXTERIOR ELEVATION:
LEVEL 1 NORTH**

SHEET NO:

A4.01

1 EXTERIOR ELEVATION: LEVEL 1 NORTH
SCALE: 1/4" = 1'-0"

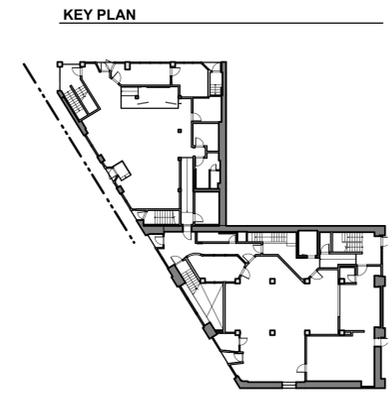
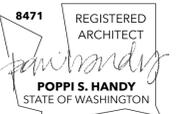




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EXISTING BRICK BASE TO BE REMOVED. EXTEND BULKHEAD TO MATCH ACE HOTEL HISTORIC DESIGN INTENT, TYP.

EXTERIOR ELEVATION GENERAL NOTES:
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3. SEE SHEETS A4.10 - A4.32 FOR SURVEY & INVENTORY DOCUMENTATION.

PSPB CERTIFICATE OF APPROVAL
04.02.2024

DRAWN BY: KS
QA/QC: DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
EXTERIOR ELEVATION:
LEVEL 1 WEST (N)

1 EXTERIOR ELEVATION: LEVEL 1 WEST (N)
SCALE: 1/4" = 1'-0"

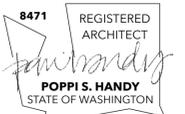
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A4.02



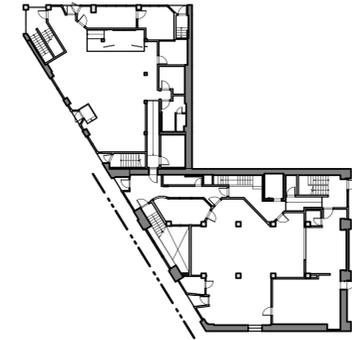
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KEY PLAN



- ACE HOTEL VENTS ARE NON-ORIGINAL AND ARE TO BE REPLACED, TYP.
- ACE HOTEL WINDOW PANES SHOWN IN WHITE ARE TO BE REPLACED, TYP.
- ACE HOTEL WOOD WINDOW FRAMES, TRIM, & STOREFRONTS TO BE RESTORED UNLESS AN ELEMENT IS DEEMED UNREPAIRABLE, TYP.

EXTERIOR ELEVATION GENERAL NOTES:
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04.02.2024

DRAWN BY: KS

QA/QC: *[Signature]* DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
**EXTERIOR ELEVATION:
LEVEL 1 WEST (S)**

SHEET NO:

A4.03



DOOR SCHEDULE

LEVEL 1													
DOOR #	ROOM NAME	SIZE	TYPE	FIRE RATING	DOOR THICK	MAT'L	U-VAL	HDWR	FRAME MAT'L	JAMB	SILL	HEAD	REMARKS
100a	ENTRY TO CHAPEL	3'-0"x7'-0"	B	45 MIN	1 3/4"	HM	-	HW 02	HM	-	-	-	4, 5, 6
100b	CHAPEL	3'-0"x7'-0"	C	2 HR	1 3/4"	HM	-	HW 05	HM	-	-	-	4, 5, 6
100c	ENTRY TO CHAPEL	3'-0"x7'-0"	D	45 MIN	1 3/4"	HM	-	HW 01	HM	-	-	-	4, 5, 6
101a	ENTRY TO OFFICE	3'-0"x7'-0"	D	45 MIN	1 3/4"	HM	-	HW 01	HM	-	-	-	4, 5, 6
101b	OFFICE	3'-0"x7'-0"	D	-	1 3/4"	SCW	-	HW 03	HM	-	-	-	4
102	OFFICE	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 03	HM	-	-	-	2, 4
103	STORAGE	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 04	HM	-	-	-	3
104	WOMEN'S RR	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 06	HM	-	-	-	5
105	MEN'S RR	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 06	HM	-	-	-	5
106	CLOSET	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 04	HM	-	-	-	-
107	OFFICE	3'-0"x7'-0"	D	-	1 3/4"	SCW	-	HW 03	HM	-	-	-	4
108a	ENTRY TO CORRIDOR	3'-0"x7'-0"	C	45 MIN	1 3/4"	HM	-	HW 01	HM	-	-	-	3, 4, 5, 6
108b	CORRIDOR	3'-0"x7'-0"	C	45 MIN	1 3/4"	SCW	-	HW 05	HM	-	-	-	4, 5
108c	CORRIDOR	3'-0"x7'-0"	C	-	1 3/4"	SCW	-	HW 07	HM	-	-	-	4
109	STORAGE	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 04	HM	-	-	-	3
110a	CORRIDOR	3'-0"x7'-0"	C	-	1 3/4"	SCW	-	HW 07	HM	-	-	-	4
110b	CORRIDOR	3'-0"x7'-0"	C	-	1 3/4"	SCW	-	HW 07	HM	-	-	-	4
110c	KITCHEN	3'-0"x7'-0"	B	45 MIN	1 3/4"	HM	-	HW 08	HM	-	-	-	3, 4, 5
111	STORAGE	3'-0"x7'-0"	A	-	1 3/4"	SCW	-	HW 04	HM	-	-	-	3
112	RECEPTION	3'-0"x7'-0"	C	-	1 3/4"	SCW	-	HW 03	HM	-	-	-	4

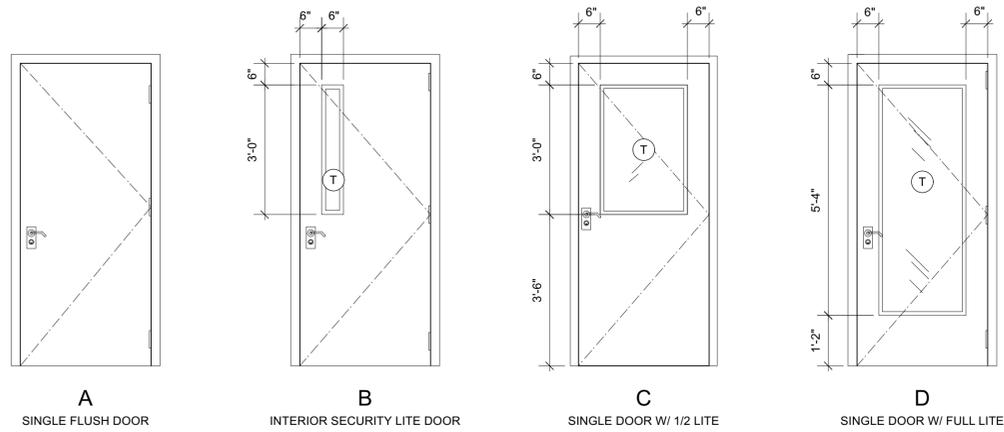
REMARKS:

- ALL INT. WOOD DOORS SOLID CORE U.N.O.
- SEE SIDELITE SCHEDULE
- KICK PLATE

- PROVIDE TEMPERED GLASS (T)
- CLOSER
- PROVIDE ACCESS CONTROLS

NOTES:

- SMOKE AND DRAFT CONTROL COMPLYING WITH UL 1784 SHALL BE LABELED IN ACCORDANCE WITH SECTION 716.5.6.1 AND SHALL SHOW THE LETTER 'S' ON THE FIRE-RATED LABEL OF THE DOOR. THIS MARKING SHALL INDICATE THAT THE DOOR AND FRAME ASSEMBLY ARE IN COMPLIANCE WHEN LISTED OR LABELED GASKETING IS ALSO INSTALLED. THIS NOTE APPLIES TO ALL CORRIDOR DOORS.



DOOR TYPES
SCALE: NTS

FINISH SCHEDULE

ROOM #	NAME	FLOOR	BASE	WALL	CEILING	COUNTERTOP	CASEWORK	REMARKS
100	CHAPEL	LVT	RB	GWB, PAINT-1	GWB, PAINT	-	-	1
100a	STAGE	CPT	RB	GWB, PAINT-2	GWB, PAINT	-	-	1
101	OFFICE	LVT	RB	GWB, PAINT-1	GWB, PAINT	-	-	1
102	OFFICE	LVT	RB	GWB, PAINT-1	GWB, PAINT	-	-	1
103	STORAGE	LVT	RB	GWB, PAINT-1	GWB, PAINT	-	-	1
104	WOMEN'S RR	CT	RB	GWB, PAINT-1, PLAM-1	ACT, PAINT	-	-	2, 4
105	MEN'S RR	CT	RB	GWB, PAINT-1, PLAM-1	ACT, PAINT	-	-	2, 4
106	CLOSET	CT	RB	GWB, PAINT-1, PLAM-1	ACT, PAINT	-	-	2, 4
107	OFFICE	LVT	RB	GWB, PAINT-1	GWB, PAINT	-	-	1
108	CORRIDOR	PT	RB	GWB, PAINT-1	GWB, PAINT	-	-	3
109	STORAGE	PT	RB	GWB, PAINT-1	GWB, PAINT	-	-	3
110	CORRIDOR	PT	RB	GWB, PAINT-1	GWB, PAINT	-	-	3
111	STORAGE	PT	RB	GWB, PAINT-1	GWB, PAINT	-	-	3
112	RECEPTION	-	-	GWB, PAINT-1	ACT, PAINT	PLAM-3	PLAM-4	-

REMARKS:

- 4" RUBBER BASE
- CERAMIC TILE COVE BASE
- PORCELAIN TILE COVE BASE
- PLAM WAINSCOT, 60"

NOTATION IN SCHEDULE	DESCRIPTION
LVT	LUXURY VINYL TILE : MOHAWK GROUP COLOR TBD
CT	CERAMIC TILE: TBD
PT	PORCELAIN TILE: TBD
CPT	BROADLOOM CARPET: TBD
RB	RUBBER BASE: ROPPE
PAINT-1	FIELD WHITE: BENJAMIN MOORE - SWISS COFFEE OC-45
PAINT-2	ACCENT COLOR: TBD
PLAM-1	BATHROOM WALLS: TBD
PLAM-2	HALLWAY WALLS: TBD IF USING HERE
PLAM-3	RECEPTION COUNTERTOP: TBD
PLAM-4	RECEPTION CASEWORK: TBD

SIDELITE SCHEDULE

TYPE	SIZE	AREA(SF)	OPERATION	U-VALUE	SHGC	MATERIAL	FIRE RATING	GLAZING	REMARKS	COUNTS	TOTAL AREA
S1	2'-6"x7'-0"	17.5	FIXED	-	-	HM	N/A			1	17.5
TOTAL SIDELITE AREA											17.5

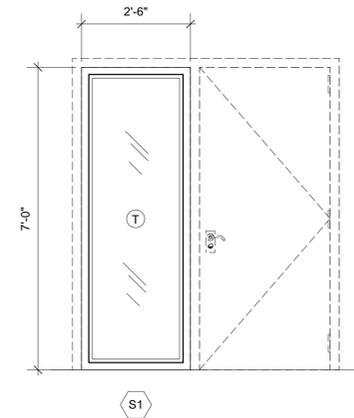
NOTES:

- SEE PLANS FOR SIDELITE LOCATIONS.
- REFER TO DETAILS FOR JAMB, SILL & HEAD DETAILS, TYP.
- CONTRACTOR TO FIELD VERIFY WINDOW OPENINGS.
- CONTRACTOR TO VERIFY QUANTITIES

- PER 2406.4.6, GLAZING WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS AND LANDINGS BETWEEN FLIGHTS OF STAIRS SHALL BE CONSIDERED A HAZARDOUS LOCATIONS AND REQUIRE SAFETY GLAZING.

REMARKS:

- PROVIDE TEMPERED GLASS AT ALL LOCATIONS WITH 18" OF DOOR SWING OR FLOOR SURFACE



SIDELITE SCHEDULE
SCALE: NTS



third place design
co-operative
where architecture meets community
304 Alaskan Way South, Suite 301
Seattle, WA 98104

Seattle's Union Gospel Mission English Chapel TI

211 S Washington Street
Seattle, WA 98104



PSPB CERTIFICATE OF APPROVAL
04.02.2024

DRAWN BY: KS
QA/QC: [Signature] DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
SCHEDULE: DOORS, FINISH, & SIDELITE

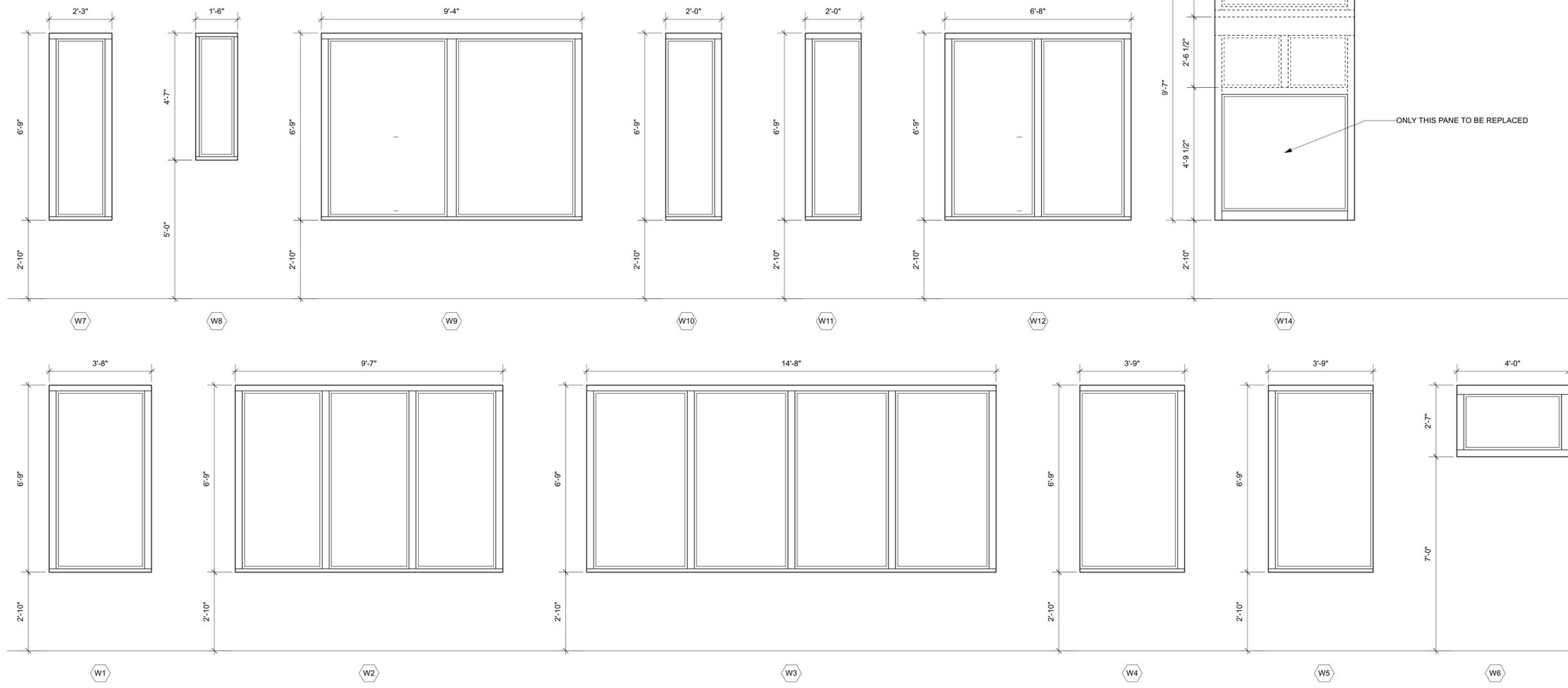
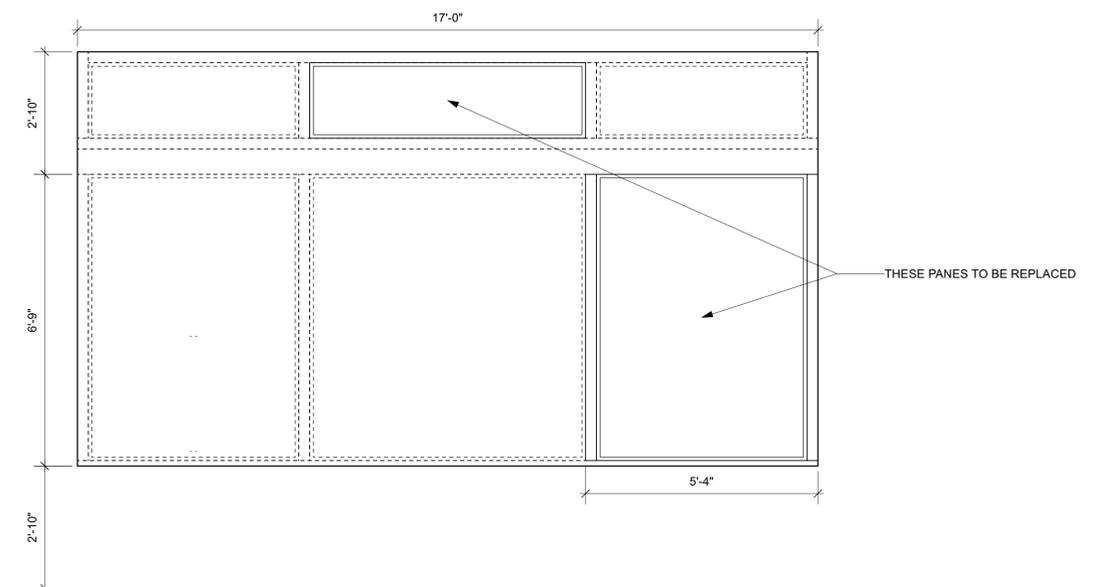
SHEET NO:

A7.00

WINDOW SCHEDULE

LEVEL 1											
TYPE	SIZE	AREA(SF)	OPERATION	U-VALUE	SHGC	MATERIAL	FIRE RATING	GLAZING	REMARKS	COUNTS	TOTAL AREA
W1	3'-8"x6'-9"	24.75	FIXED	-	-	WD	N/A			1	24.75
W2	9'-7"x6'-9"	64.69	FIXED	-	-	WD	N/A			1	64.69
W3	14'-8"x6'-9"	99	FIXED	-	-	WD	N/A			1	99
W4	3'-9"x6'-9"	25.31	FIXED	-	-	WD	N/A			2	50.62
W5	3'-9"x6'-9"	25.31	FIXED	-	-	WD	N/A			1	25.31
W6	4'-0"x2'-7"	10.33	FIXED	-	-	WD	N/A			4	41.32
W7	2'-3"x6'-9"	15.19	FIXED	-	-	WD	N/A			1	15.19
W8	1'-6"x4'-7"	6.88	FIXED	-	-	WD	N/A			1	6.88
W9	9'-4"x6'-9"	63	FIXED	-	-	WD	N/A			2	126
W10	2'-0"x6'-9"	13.5	FIXED	-	-	WD	N/A			1	13.5
W11	2'-0"x6'-9"	13.5	FIXED	-	-	WD	N/A			1	13.5
W12	6'-8"x6'-9"	45	FIXED	-	-	WD	N/A			1	45
W13	3'-8"x9'-7"	35.14	FIXED	-	-	WD	N/A			1	35.14
W14	5'-4"x6'-9"	36	FIXED	-	-	WD	N/A			1	36
TOTAL WINDOW AREA											596.9

NOTES:
 1. SEE PLANS FOR WINDOW LOCATIONS.
 2. REFER TO MANUFACTURER'S DETAILS FOR JAMB, SILL & HEAD DETAILS, TYP.
 3. CONTRACTOR TO FIELD VERIFY WINDOW OPENINGS.
 4. CONTRACTOR TO VERIFY QUANTITIES.
 5. PER 2406.4.6, GLAZING WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS AND LANDINGS BETWEEN FLIGHTS OF STAIRS SHALL BE CONSIDERED A HAZARDOUS LOCATIONS AND REQUIRE SAFETY GLAZING.



WINDOW SCHEDULE
SCALE: NTS



third place design
 co-operative
 where architecture meets community
 304 Alaskan Way South, Suite 301
 Seattle, WA 98104

Seattle's Union Gospel Mission English Chapel TI

211 S Washington Street
 Seattle, WA 98104



8471 REGISTERED ARCHITECT
Poppi S. Handy
POPPI S. HANDY
 STATE OF WASHINGTON

PSPB CERTIFICATE OF APPROVAL
 04.02.2024

DRAWN BY: KS
 QA/QC: *[Signature]* DATE: _____

NO.	DATE	REMARK

SHEET TITLE:
SCHEDULE: WINDOWS

SHEET NO:

A7.10

Pro Industrial™ Multi-Surface Acrylic Semi-Gloss

B66-1550 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

Pro Industrial Multi-Surface Acrylic is a waterborne acrylic for interior and exterior use on marginally prepared metal or masonry surfaces. Features multiple sheens, fast dry, easy application and dry fall properties.

Features:

- Self-priming directly to multiple surfaces
- Excellent one-coat hide and stain blocking
- Abrasion resistant
- Optimized for spray application
- Good exterior color and gloss retention
- Dries fast and dry falls in 10-15 feet
- Suitable for use in USDA inspected facilities

For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry.

Finish: 35-45° @60°

Color: Most colors

Recommended Spreading Rate per coat:

Wet mils: 3.75-6.0

Dry mils: 1.4-2.3

Coverage: 264-435 sq.ft. per gallon

Theoretical Coverage: 609 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 5.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent. Dry fall characteristics will be affected at temperatures below 77°F(25°C) or above 50% RH.

	@50°F	@77°F	@100°F
To touch	1 hour	30 minutes	15 minutes
To handle	2 hours	1 hour	30 minutes
To recoat	4 hours	2 hours	1hour
To dryfall	10-15 ft.	10 ft.	10 ft.

Tinting with CCE only:

Tinting will affect dryfall characteristics.

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Ultra-deep Base	10-14	SherColor

Extra White B66W01551

(may vary by color)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.25 lb

Flash Point: N/A

Vehicle Type: Acrylic

Shelf Life: 24 months, unopened

COMPLIANCE

As of 11/18/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Temperature:

minimum	50°F
maximum	100°F
air, surface, and material	
At least 5°F above dew point	

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.013 - .017 inch
Filter	60 mesh

Conventional Spray:

Gun	Binks 95
Fluid Nozzle	63 C
Air Nozzle	63 FB
Atomization Pressure	60 p.s.i.
Fluid Pressure	50 p.s.i.

Reduction: Not recommended

Brush: Nylon-polyester

Roller Cover: 1/4 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

No painting should be done immediately after a rain or during foggy weather.

Do not paint on wet surfaces.

Check adhesion by applying a test strip to determine the readiness for painting.

SPECIFICATIONS

Steel*

2 coats Pro Industrial Multi-Surface Acrylic

Steel:

1 coat Pro Industrial Pro-Cryl Primer or Pro Industrial DTM Primer/Finish or Kem Bonds HS or Zinc Clad Primer
1-2 coats Pro Industrial Multi-Surface Acrylic

Aluminum:

1-2 coats Pro Industrial Multi-Surface Acrylic

Aluminum (Water Based Primer):

1 coat Pro Industrial Pro-Cryl Primer
1-2 coats Pro Industrial Multi-Surface Acrylic

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller or Loxon Acrylic Block Surfacers
1-2 coats Pro Industrial Multi-Surface Acrylic

Concrete/Masonry:

1 coat Loxon Concrete & Masonry Primer (if needed)
or Loxon Conditioner (if needed)
2 coats Pro Industrial Multi-Surface Acrylic

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Multi-Surface Acrylic

Galvanizing:

2 coats Pro Industrial Multi-Surface Acrylic

Pre-Finished Siding: (Baked-on finishes)

1 coat Bond-Plex Waterbased Acrylic or DTM Bonding Primer
1-2 coats Pro Industrial Multi-Surface Acrylic

Wood, exterior:

1 coat Exterior Wood Primer
1-2 coats Pro Industrial Multi-Surface Acrylic

Wood, interior:

1 coat Premium Wall & Wood Primer
1-2 coats Pro Industrial Multi-Surface Acrylic

*Primer recommended for best performance

Pro Industrial™

Multi-Surface Acrylic Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 2 coats Pro Industrial Multi-Surface Acrylic B66W01551, 2.5 DFT per coat

Adhesion:
Method: ASTM D4541
Result: 1385 p.s.i.

Abrasion Resistance:
Method: ASTM D4060, CS17 wheel, 1000 cycles, 1000 mg load
Result: 52.7 mg loss

Corrosion Weathering*:
Method: ASTM D5894, 5 cycles
Result: Rating 10, per ASTM D714 for Blistering. Rating 8 per ASTM D1654 for corrosion

Direct Impact Resistance:
Method: ASTM D2794
Result: 30 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 300°F

Flexibility:
Method: ASTM D522, 1/8 inch mandrel
Result: Pass

Pencil Hardness: 30 days
Method: ASTM D3363
Result: 4H

Water Vapor Permeance (US) : 24.77 Perms
Method: ASTM D1653 grains/(hr ft2 in Hg)

*over Pro Industrial Pro-Cryl Primer

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use. **FOR PROFESSIONAL USE ONLY.**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, splatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 11/18/2021 B66W01551 08 44
FRC

Customer: MOUNTAIN RIDGE PAINTING LLC
Store CCN: 708088 TACOMA. WA
Date Prepared: 01/08/2024 Control Number: 0247204-001

Job: COLVOS CONSTRUCTION

Project Info:

Schedule:

Room/Use: .

Color: OC-117 SIMPLY WHITE

Product: PRO INDUSTRIAL MULTI SURF I SEMI-GLOSS B6I

Customer: MOUNTAIN RIDGE PAINTING LLC
Store CCN: 708088 TACOMA, WA
Date Prepared: 01/08/2024 Control Number: 0247204-002

Job: COLVOS CONSTRUCTION
Project Info:
Schedule:
Room/Use: .

Color: 2109-30 WOOD GRAIN BROWN
Product: PRO INDUSTRIAL MULTI SURF I SEMI-GLOSS B6





WALL

CLASSIC

COLOR WHEEL™ COLLECTION – GLAZED CERAMIC



 daltile®
IMAGINE WHAT'S POSSIBLE™

CLASSIC

COLOR WHEEL™ COLLECTION – GLAZED CERAMIC

A Spectacular Spectrum

The element of color is visually represented in Color Wheel™. This vibrant collection offers a wide spectrum of colorful selections from bright and pigmented hues to neutral and earthy tones. A favorite of artists and designers, Color Wheel provides the perfect palette to inspire the imagination.

- COLOR SCHEME
 - Eighteen rich semi-gloss colorful accents
 - Plus, twelve coordinating neutral tones in semi-gloss and matte finishes
- ARTISTIC INSPIRATIONS
 - Stylish shapes in classic size options
 - With endless design opportunities, this collection is a perfect fit for residential and commercial applications



Cover photo features Color Wheel™ Classic Ocean Blue, Galaxy, & Desert Grey 6 x 6 on the wall with Emerson Wood™ Brazilian Walnut 8 x 48 on the floor. Above photo features Color Wheel™ Classic Artic White & Navy on the walls.

WALL

USAGE



FLOOR



WALL



COUNTERTOP



SHOWER FLOOR



EXTERIOR FLOOR



STEPWISE™



TRU-EDGE™



MADE IN THE U.S.A.



LARGE FORMAT



MOSAIC/DECO



ENCAUSTIC



TERRAZZO



PAVER



CUSTOMIZE



FLEXFIT™



CG
GLAZED CERAMIC



LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

SPECIAL FEATURES

SIZES:



FINISHES: MATTE | SEMI-GLOSS

SEMI-GLOSS



MATTE



ACCENT*



* Accent available in Semi-Gloss finish only. † Subject to crazing; black grout not recommended
(1), (2) and (3) indicate price groups. (1) being the least expensive.



STAINPROOF



DENTPROOF



SCRATCH-RESISTANT*
*Applicable to products with Matte and Textured Finishes



FIRE-RESISTANT*
*Not Applicable to Heat-Treated Mosaics



SIMPLICLEAN™

CLASSIC

COLOR WHEEL™ COLLECTION – GLAZED CERAMIC

WALL

TRIM

TRIM		Thickness	Pieces/ Carton
S1/212J / 1/2 x 12 Jolly	(1/2" x 11-15/16") (1.29 cm x 30.36 cm)	1/4" 7.23 mm	12
A106 / 1 x 6 Quarter Round	(1" x 6") (2.43 cm x 15.16 cm)	5/16" 7.90 mm	152
AC106 / 1 x 6 Quarter Round Corner	(1" x 6") (2.43 cm x 15.16 cm)	5/16" 7.90 mm	120
SURFACE BULLNOSE			
S4269 / 2 x 6 Bullnose	(2" x 6") (5.15 cm x 15.31 cm)	5/16" 7.90 mm	100
SN4269 / 2 x 2 Bullnose Corner	(2" x 2") (5.15 cm x 5.15 cm)	5/16" 7.90 mm	25
S4669 / 6 x 6 Bullnose	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	50
SCRL4669 / 6 x 6 Bullnose Corner	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	50
S4449 / 4 x 4 Bullnose	(4-1/4" x 4-1/4") (10.90 cm x 10.90 cm)	5/16" 7.90 mm	100
SCRL4449 / 4 x 4 Bullnose Corner	(4-1/4" x 4-1/4") (10.90 cm x 10.90 cm)	5/16" 7.90 mm	100
S4369MOD / 3 x 6 Bullnose (on 6" side)	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	100
S4639MOD / 3 x 6 Bullnose (on 3" side)	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	100
SCR4369M / 3 x 6 Bullnose Corner Right	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	100
SCL4369M / 3 x 6 Bullnose Corner Left	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	100
RADIUS BULLNOSE			
A4200 / 2 x 6 Bullnose	(2" x 6") (5.28 cm x 15.20 cm)	5/16" 7.90 mm	100
AN4200 / 2 x 2 Bullnose Corner	(2" x 2") (5.28 cm x 5.28 cm)	5/16" 7.90 mm	20
FLAT TOP COVE BASE ^			
A3601 / 6 x 6 Cove Base	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	44
SCR3601 / 6 x 6 Cove Corner Right	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	20
SCL3601 / 6 x 6 Cove Corner Left	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	20
A3401 / 4 x 4 Cove Base	(4-1/4" x 4-1/4") (10.90 cm x 10.90 cm)	5/16" 7.90 mm	84
SCR3401 / 4 x 4 Cove Corner Right	(4-1/4" x 4-1/4") (10.90 cm x 10.90 cm)	5/16" 7.90 mm	30
SCL3401 / 4 x 4 Cove Corner Left	(4-1/4" x 4-1/4") (10.90 cm x 10.90 cm)	5/16" 7.90 mm	30
A3361MOD / 3 x 6 Cove Base	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	36
SCR3361M / 3 x 6 Cove Base Corner Right	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	36
SCL3361M / 3 x 6 Cove Base Corner Left	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	36
SANITARY COVE BASE ^			
S3619T / 6 x 6 Cove Base	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	40
SCR3619T / 6 x 6 Cove Base Corner Right	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	20

TRIM (CON'T)

		Thickness	Pieces/ Carton
SCL3619T / 6 x 6 Cove Base Corner Left	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	20
S3419T / 4 x 6 Cove Base	(4-1/4" x 6") (10.90 cm x 15.31 cm)	5/16" 7.90 mm	60
SCR3419T / 4 x 6 Cove Base Corner Right	(4-1/4" x 6") (10.90 cm x 15.29 cm)	5/16" 7.90 mm	20
SCL3419T / 4 x 6 Cove Base Corner Left	(4-1/4" x 6") (10.90 cm x 15.31 cm)	5/16" 7.90 mm	20
SANITARY COVE BASE - Slim Foot Design ^			
S3619TN / 6 x 6 Cove Base	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	40
SC3619TN / 1 x 6 Cove Base Corner	(1" x 6") (2.43 cm x 15.16 cm)	5/16" 7.90 mm	60

^ Available in Group 1 & 2 Colors. Group 3 Colors are Made-to-Order.

^ Available in Group 1 Colors. Group 2 & 3 Colors are Made-to-Order.

TRIM USAGE

Wall Tile	6 x 6	4 x 4	3 x 6	3 x 6 Bevel
Jolly	S1/212J	S1/212J	S1/212J	S1/212J
Quarter Round	A106	A106	A106	A106
Quarter Round Corner	AC106	AC106	AC106	AC106
SURFACE BULLNOSE				
Bullnose	S4669	S4449	S4369MOD & S4639MOD	
Corner	SCRL4669	SCRL4449	SCR4369M & SCL4369M	
Bullnose	S4269	S4269	S4269	
Corner	SN4269	SN4269	SN4269	SN4269
RADIUS BULLNOSE				
Bullnose	A4200	A4200	A4200	
Corner	AN4200	AN4200	AN4200	
FLAT TOP COVE BASE				
Cove Base	A3601	A3401	A3361MOD	A3361MOD
Cove Base Corner	SCR3601 & SCL3601	SCR3401 & SCL3401	SCR3361M & SCL3361M	SCR3361M & SCL3361M
	Best Match			

SIZES

			Thickness	Sq. Ft./ Carton	Pieces/ Carton
	6 x 6 Wall Tile	(6" x 6") (15.31 cm x 15.31 cm)	5/16" 7.90 mm	12.50	50
	4 x 4 Wall Tile	(4-1/4" x 4-1/4") (10.90 cm x 10.90 cm)	5/16" 7.90 mm	12.50	100
	3 x 6 Wall Tile	(3" x 6") (7.65 cm x 15.31 cm)	5/16" 7.90 mm	12.50	100
	3 x 6 † Bevel Wall Tile	(3" x 6") (7.65 cm x 15.31 cm)	3/8" 9.40 mm	10.40	80

† Bevel is available in Group 1 colors only.

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓*
Pool Linings	N/A	✓

A DCOF value of ≥0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-A326.3. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in non-freezing climates, when proper installation methods are followed.

* Matte finishes only. No Bevel Tile. Darker colors may show scratches.

INSTALLATION

Grout Joint Recommendation	Shade Variation
Wall: 1/16"	 Low (V1)

PERFORMANCE CHARACTERISTICS

	ASTM#	Result
Water Absorption	C373	< 20.0%
Breaking Strength	C648	120-230 lbs
Scratch Hardness	MOHS	4.0-6.0
Chemical Resistance	C650	Resistant
Abrasion Resistance	C1027	N/A

For additional information on test results, visit us at: daltile.com/information/TestResults.

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

For additional information refer to "Factors to Consider" at: daltile.com/Factors.

LRV & MUNSELL

Color #	LRV Illuminate-OBS: F02-02 (CWF)	Munsell
SEMI-GLOSS		
0100	83.9	2.6Y 9.2/0.5
0190	83.9	7.0Y 9.2/0.2
K175	75.9	5.2Y 8.8/0.9
0135	68.0	2.9Y 8.4/1.2
0161	48.0	1.7Y 7.3/1.5
0166	26.8	1.1Y 5.7/1.6
0144	14.5	5.9YR 4.3/1.3
0109	37.9	6.0Y 6.6/1.0
X114	43.7	1.4GY 7.0/0.3
0182	22.6	1.9B 5.3/0.1
0180	11.4	1.3B 3.9/0.4
K111	5.0	10.0B 2.6/0.1
MATTE		
0790	83.4	4.9Y 9.2/0.2
K775	75.9	5.2Y 8.8/0.9
X735	70.9	3.5Y 8.6/1.2
0761	48.1	2.5Y 7.3/1.5
0766	26.8	0.2Y 5.7/1.7
0744	13.9	7.6YR 4.3/1.3
0709	36.9	5.6Y 6.5/1.0
X714	43.9	3.6GY 7.0/0.4
0782	22.3	9.8G 5.3/0.1
0780	11.1	0.6B 3.9/0.4
K711	5.8	3.3PB 2.8/0.1
ACCENT		
K189	5.9	5.0PB 2.9/1.2
1012	48.1	9.7YR 7.2/6.9
1049	18.0	1.9B 5.0/4.5
1097	26.4	10.1R 5.6/10.2
0115	11.7	3.3G 4.1/4.9
1174	9.1	5.8PB 3.6/5.6
1178	6.8	5.9RP 3.1/2.0
SH17	14.0	5.1R 4.4/11.1
0141	24.7	3.0GY 5.5/2.1
0148	48.3	3.7BG 7.4/1.3
0160	73.3	3.3Y 8.7/3.3
0169	40.4	9.7B 6.9/2.6
1469	9.3	4.5PB 3.6/2.7
DH50	70.6	4.7Y 8.4/8.8
DM14	4.7	9.9PB 2.5/4.4
1098	50.9	2.6GY 7.4/5.2
1194	19.0	0.3PB 5.2/6.7
1467	16.6	7.0P 4.6/2.2



All or select items within this series meet the requirements for these qualifications. For more information, visit daltile.com.



7834 C.F. Hawn Freeway,
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at daltile.com.





May contain Recycled
and/or Reclaimed Materials
www.dalTile.com/leed

SAFETY DATA SHEET

CERAMIC TILE

Tile Series: **COLOR WHEEL COLLECTION - CLASSIC**

1. PRODUCT IDENTIFICATION

Common Name: Ceramic Tile (For purposes of this SDS, the term "ceramic" encompasses all types of tile products manufactured and/or sourced by Dal-Tile Corporation.)

Synonyms: Ceramic Tile and Wares

Manufacturer Name: Dal-Tile Corporation

Address: Headquarters Office
7834 C.F. Hawn Freeway, Dallas, TX 75217

Emergency Assistance: Environmental, Health and Safety Department
Richard Ray - (214) 309-4295
1-800-933-TILE; (214) 398-1411 (24-hour number)

Recommended Use: Building Material - Tile products manufactured/sourced by Dal-Tile Corporation are environmentally preferable building materials when compared to other floor/wall coverings. As defined by guidelines issued by the Environmental Protection Agency, the American Society for Testing & Materials, and the Federal Trade Commission, Tile is one of the most environmentally friendly building materials you can buy today. Should you desire additional information, please direct your inquiry to the address above.

This document has been prepared in accordance with the Occupational Safety and Health Administration (OSHA) Hazard Communication standard, 29 Code of Federal Regulations (CFR) 1910.1200(g), Safety Data Sheets.

2. HAZARDS IDENTIFICATION

Tile products are mixtures of predominantly clays, silica sand, and other natural occurring minerals that have been mixed with water and fired in a high temperature kiln. The finished, fired tiles are odorless, stable, non-flammable, and pose no immediate hazard to health. Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting tiles during installation or if dust is produced by any other operations, including demolition/removal projects.

Emergency Overview: Danger! Lung injury and Cancer Hazard

GHS Classification (Global Harmonized Standard Classification):

Carcinogenicity Category 1A (H350)

Specific target organ toxicity, single exposure; Respiratory tract irritation - Category 3 (H335)

Specific target organ toxicity, repeated exposure - Category 1A (H372)

GHS Label, Hazards and Precautionary Statements

GHS Pictogram:

Crystalline Silica:		Category 3 (Respiratory tract irritation) (H335)
		Categories 1A(Carcinogenicity)(H372)

Label Signal Word: Danger

Hazard Statements:

(H350) May cause CANCER (inhalation)

(H335) May cause respiratory irritation

(H372) Causes damage to organs (lung/respiratory) through prolonged or repeated exposure (inhalation)

2. HAZARDS IDENTIFICATION (Continued)

Precautionary Statements:

- Do not handle/install until all safety precautions have been read and understood. (P202)
- Do not breathe dust/spray. (P260 + P261)
- Wash skin thoroughly after handling/installing. (P264)
- Do not eat, drink or smoke when handling/installing this product. (P270)
- Wear protective gloves, protective clothing, eye protection, face protection when handling/installing this product. (P280)

Potential Health Effects:

Inhalation: Do not breathe dust. See "Health Hazards" in Section 11 for more details.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Tile products are mixtures of predominately Clays, Silica Sand and other naturally-occurring minerals, that have been mixed with water and fired in a high temperature kiln.

Tiles are manufactured in various shapes, sizes, and colors.

These products do not contain asbestos.

Under normal conditions these products do not release hazardous materials after installation and are not considered hazardous waste should disposal be necessary.

Composition	CAS# / EINECS#	Estimated % by Wt.	EU Class
Crystalline silica as quartz	CAS: 14808-60-7 EINECS: 238-878-4	0-30	(67/548/EEC) Xn R48/20
Clays	CAS: 1332-58-7 EINECS: 265-064-6	20-55	(67/548/EEC) Xi R36/37/38
Nepheline syenite	CAS: 37244-96-5 EINECS: N/A	0-50	(67/548/EEC) Xi R36/37/38
Talc	CAS: 14807-96-6 EINECS: 238-877-9	0-40	(67/548/EEC) Xi R36/37/38
Feldspar	CAS: 68476-25-5 EINECS: 270-666-7	0-20	(67/548/EEC) Xi R36/37/38

4. FIRST AID MEASURES

- Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes if dust gets in eyes. Get medical attention if irritation persists.
- Skin: Wash thoroughly after working with tiles.
- Inhalation: Remove to fresh air if exposed to large amounts of tile dust. Administer artificial respiration if breathing has stopped. Keep victim at rest. Call for prompt medical attention.
- Ingestion: Not applicable for intact tiles.

Have emergency eyewash station available in area where tiles are cut.

5. FIRE-FIGHTING MEASURES AND INFORMATION

- Flash Point (Method Used): Not applicable
- Autoignition Temperature: Not applicable
- Flammable Limits (% by Volume in Air): LEL - not applicable
UEL - not applicable
- Fire Extinguishing Media: None required Non-flammable
- Special Fire Fighting Procedures: None required
- Fire and Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Avoid creating excessive dust. Clean up dust using a vacuum system with a High-efficiency particulate (HEPA) air filter vacuum or damp sweeping. See Section 8 of this SDS concerning PPE information for clean-up.

7. HANDLING AND STORAGE

Do Not Dry Cut using motorized equipment due to potential exposure to Harmful Silica Dust. Use wet cutting methods to reduce generation of dust. When cutting, grinding or removing, use equipment with integral dust collection and/or use local exhaust ventilation. Use respiratory protection in the absence of effective engineering controls.

Do not store near acids. If tiles contact some acids, damage/discoloration to the surface may occur.

Shelf life is unlimited.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Table

Composition	OSHA PEL	NIOSH IDLH	ACGIH TLV*	Units
Crystalline silica as quartz -respirable fraction	0.05	0.05	0.025	mg/m3
-total dust	15	N.E.	N.E.	mg/m3
Clays -respirable fraction	5	N.E.	2	mg/m3
Nepheline syenite -respirable fraction**	5	N.E.	N.E.	mg/m3
Talc -respirable fraction	2	2	2	mg/m3
-total dust**	15	10	10	mg/m3
Feldspar -respirable fraction	N.E.	N.E.	N.E.	mg/m3
-total dust**	15	N.E.	N.E.	mg/m3

* 2017 Edition, respirable fraction to be determined as per Appendix D of ACGIH TLV.

** Covered as particles not otherwise regulated per OSHA and particles not otherwise classified per ACGIH.

N.D. - Not determined

N.E. - Not established

8.2 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use adequate ventilation during installation and/or removal to keep exposure to dust below recommended exposure levels. Avoid inhalation of dust. The highest probability of silica exposure occurs during installation using dry cutting methods or during removal of installed tile. Do Not Dry Cut using motorized equipment due to potential exposure to Harmful Silica Dust. Use wet cutting methods to reduce generation of dust.

Respiratory Protection: Use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended when cutting tiles for installation or during the removal of installed tile.

Eye Protection: Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contact lenses in work areas.

Skin Protection: Cotton or leather work gloves should be worn when cutting this product to minimize skin exposure to dust and/or cuts. Wash hands prior to eating, drinking, or smoking, and at the end of the work shift, after cutting operations are conducted.

NOTE: Personal protection information in Section 8 is based on general information for normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the assistance of an industrial hygienist or other qualified professional be obtained.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brittle solid; color may vary
Odor:	Odorless
Melting Point:	Not Available (>2200 °F)
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (Air = 1):	Not applicable
Solubility in Water:	Insoluble
Specific Gravity (H ₂ O = 1):	1.6 to 2.1
Percent Volatile by Volume:	Not applicable
Evaporation Rate (Ethyl Ether = 1):	Not applicable
Viscosity:	Not applicable
Volatility:	0 g/L Volatile Organic Compounds (VOCs)

10. STABILITY AND REACTIVITY

Stability:	Stable in current form.
Conditions to Avoid:	Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)
Incompatibility (Materials to Avoid):	Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	None.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Primary Routes of Exposure

None for intact tile. Inhalation and potential exposure to eyes, hands, or other body parts if contact is made with broken tile, and/or during procedures involving the cutting of tiles, and/or for operations involving the removal of installed tiles.

Acute Effects

No acute effects from exposure to intact tile are known. Working with broken or cut tile produces a potential for cuts to the hands and exposed body parts. Acute effects such as eye irritation may occur if associated with high dust operations such as dry cutting tile or during the removal of installed tile. In very rare cases, symptoms of acute silicosis, a form of silicosis (a nodular pulmonary fibrosis) associated with exposure to respirable crystalline silica, may develop following acute exposure to extremely dusty environments caused by generation of tile dust. Signs such as labored breathing and early fatigue may indicate silicosis; however, these same symptoms can arise from many other causes.

Chronic Effects

No chronic effects are known for exposure to intact tile. Long-term, continual exposure to respirable crystalline silica at or above established permissible occupational exposure limits may lead to the development of silicosis, a nodular pulmonary fibrosis (NPF). NPFs are also associated with pulmonary tuberculosis, bronchitis, emphysema, and other airway diseases. This type of chronic exposure to silica dust may also result in the development of autoimmune disorders, chronic renal disease, and other adverse health effects. Recent epidemiologic studies demonstrate that workers exposed to elevated silica concentrations have a significant risk of developing chronic silicosis. Signs such as labored breathing and early fatigue may indicate silicosis; however, these same symptoms can also arise from many other causes.

Potential Adverse Interactions

Silicosis may be complicated by severe mycobacterial or fungal infections and result in tuberculosis (TB). Epidemiologic studies have established that silicosis is a risk factor for developing TB. Any existing respiratory or pulmonary diseases may be complicated by exposure to respirable crystalline silica. Smoking may increase the risk of adverse effects if done in conjunction with occupational exposure to silica dust at or above permissible exposure limits.

Carcinogen Status

Respirable crystalline silica is classified by the International Agency for Research on Cancer (IARC) as a Group I Carcinogen (carcinogenic to humans). The National Toxicology Program (9th Report) lists respirable crystalline silica as "Known to be a Human Carcinogen". USDOL/OSHA and NIOSH have recommended that crystalline silica be considered a potential occupational carcinogen.

Overview of Animal Testing

Short term experimental studies of rats have found that intratracheal instillation of quartz particles leads to the formation of discrete silicotic nodules in rats, mice and hamsters.

Oral (silica) Lethality

LD50 Rat oral	>22,500 mg/kg
LD50 Mouse oral	>15,000 mg/kg
LC50 Carp	>10,000 mg/l (per 72 hr.)

12. ECOLOGICAL INFORMATION

No information available at this time.

13. DISPOSAL CONSIDERATIONS

Waste should be disposed of in a landfill certified to accept such materials in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

U.S. D.O.T Shipping Name: Not applicable
 Hazard Class: Non-regulated (for disposal purposes material is non-hazardous Class III regulated material)
 ID Number: Not applicable
 Marking: Not applicable
 Label: None
 Placard: None
 Hazardous Substance/RQ: Not applicable
 Shipping Description: Porcelain/Ceramic Tiles
 Packaging References: None

Not regulated for transportation under the IATA/ICAO, IMDG, EU ADR, or Canadian TDG Regulations.

15. REGULATORY INFORMATION

This product and/or its components have been previously introduced into U.S. commerce and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals in Commerce. Hence, it is subject to all applicable provisions and restrictions under TSCA 40 CFR Section 721 and 723.250.

This tile contains <1 percent by weight each of the following elements, which are SARA 313 Recordable: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Copper, Manganese, Mercury, Nickel, Lead, Silver, Thallium, Tin, Titanium, Vanadium, and Zinc.

Title 22 Division 2, California Code of Regulation Chapter 3 (Proposition 65): This product has been evaluated for exposure levels and results conclude use of this product does not create an exposure to chemical(s) which is(are) known to the State of California to cause cancer, birth defects or other reproductive harm.

This product or its components meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (See Sections 3 & 11)	<input type="checkbox"/> Unstable
<input type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

Note: The information in this data sheet provides information related to the potential hazards associated with dusts which may be produced during cutting or otherwise changing the shape of the tile during installation and/or removal.

16. ADDITIONAL INFORMATION (for intact tile)

Global Harmonization Identification System

GHIS: Health: 4 Fire: 4 Reactivity: 4

Hazardous Material Identification System

HMIS: Health: 0 Fire: 0 Reactivity: 0

National Fire Protection Association

NFPA: Health: 0 Fire: 0 Reactivity: 0

SDS Preparation Date: 08/29/18 Revision Date: 02/18/19