



# COMMISSION OF ARCHITECTURAL REVIEW

## APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

### PROPERTY (location of work)

Address 19 W LEIGH STREET

Historic district JACKSON WARD

Date/time rec'd:	<b>RECEIVED</b> DEC 28 2018
Rec'd by:	
Application #:	
Hearing date:	

BY: COA-047275-  
2019

### APPLICANT INFORMATION

Name JEFF KEITH

Phone 804 909 3633

Company ADVANCED ENGINEERING

Email ADVENGINEERING@aol.com

Mailing Address P.O. BOX 72692  
Richmond VA 23235

Applicant Type:  Owner  Agent  
 Lessee  Architect  Contractor

Other (please specify): ENGINEER

### OWNER INFORMATION (if different from above)

Name SAUD KHALED

Company \_\_\_\_\_

Mailing Address PO BOX 72692  
N Chesterfield VA 23235

Phone 804 332 7654

Email KSAOUD@hotmail.com

### PROJECT INFORMATION

Review Type:  Conceptual Review  Final Review

Project Type:  Alteration  Demolition  New Construction  
(Conceptual Review Required)

Project Description: (attach additional sheets if needed)

ADDITION OF 2 STOREFRONT WINDOWS ON WEST SIDE AND REPLACEMENT OF REAR STAIRS.

AT SOME TIME THERE WAS ANOTHER BUILDING ON THE WEST SIDE AND THERE WERE NO EXISTING WINDOWS BECAUSE OF THAT

### ACKNOWLEDGEMENT OF RESPONSIBILITY

**Compliance:** If granted, you agree to comply with all conditions of the COA. Revisions to approved work require staff review and may require a new application and CAR approval. Failure to comply with the COA may result in project delays or legal action. The COA is valid for one (1) year and may be extended for an additional year, upon written request.

**Requirements:** A complete application includes all applicable information requested on checklists to provide a complete and accurate description of existing and proposed conditions. Applicants proposing major new construction, including additions, should meet with Staff to review the application and requirements prior to submitting an application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

**Zoning Requirements:** Prior to Commission review, it is the responsibility of the applicant to determine if zoning approval is required and application materials should be prepared in compliance with zoning.

Signature of Owner

Date 12/28/18



N ADAMS STREET

W LEIGH STREET

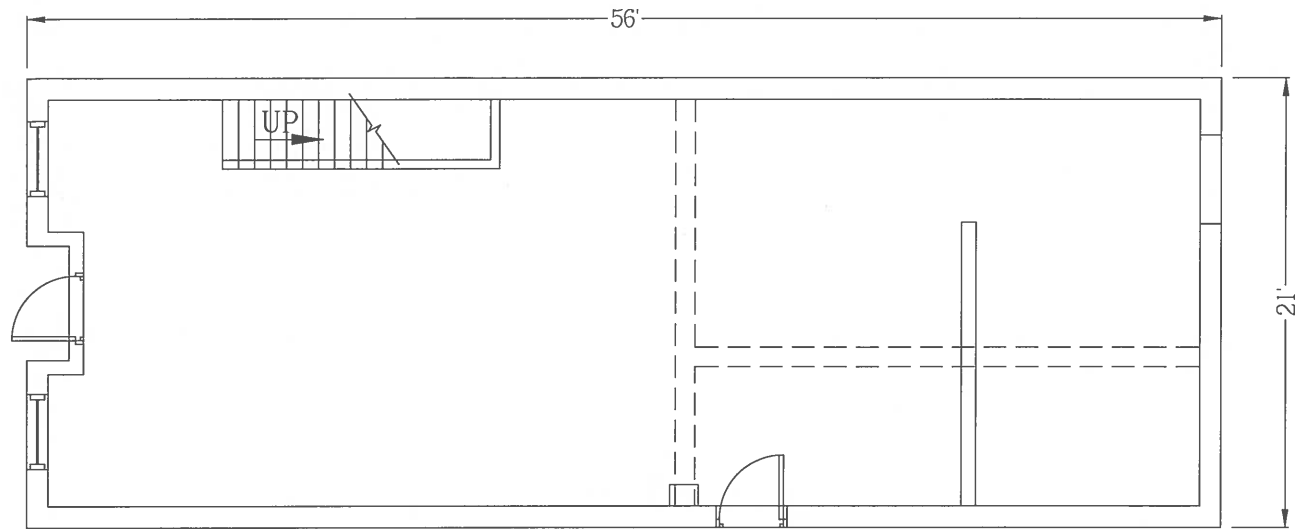
ALLEY  
COMMONWEALTH CONST.  
CO. OF VIRGINIA INC.  
PARCEL ID: N0000102041  
ZONING: R-63

EXISTING  
2 STORY  
1,176 SF  
BLDG  
HERRING-ROSE ZENA  
PARCEL ID: N0000102005  
ZONING: R-63

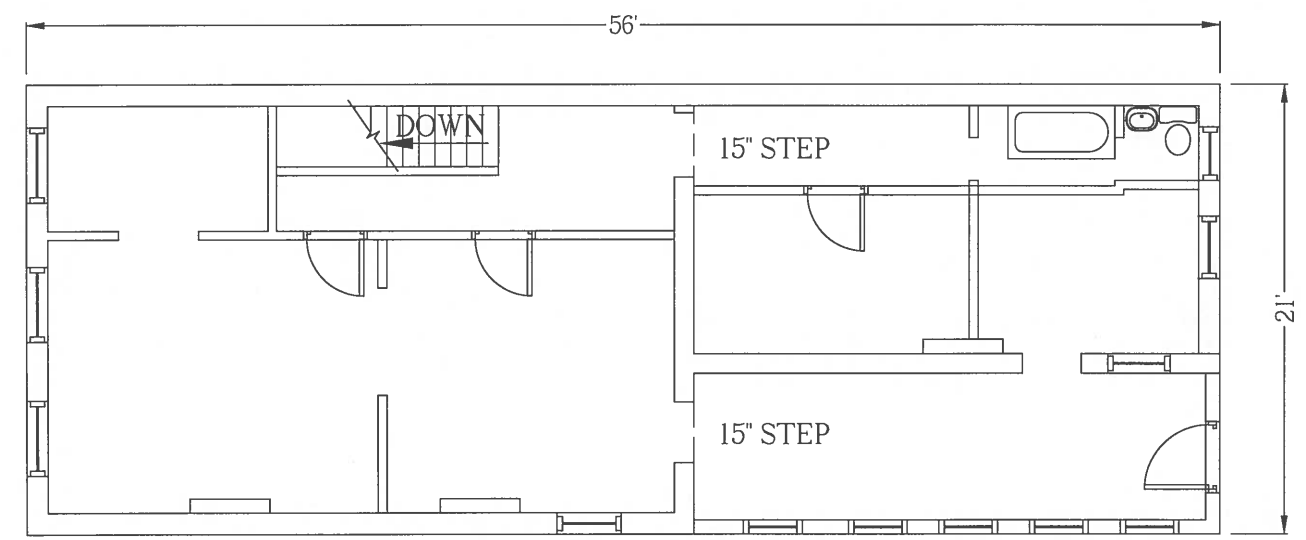
**SITE PLAN**  
1" = 20'

**GENERAL NOTES :**

1. OWNER / DEVELOPER SAUD KHALED  
19 W LEIGH STREET  
RICHMOND, VA 23220  
CONTACT: SAUD KHALED  
PH (804) 332-7654
2. ENGINEER ADVANCED ENGINEERING, LLC  
P.O. BOX 72692  
RICHMOND, VA 23235
3. TAX PARCEL - N0000102004
4. DISTRICT DOWNTOWN
5. ZONING R-63
6. WATER CITY
7. SEWER CITY
7. LAND AREA 0.1227 ACRES
8. TRAFFIC ZONE: 1049
9. PROPOSED USES: RESTAURANT  
APARTMENT



**EXISTING 1st FLOOR PLAN**  
1/4" = 1'-0"



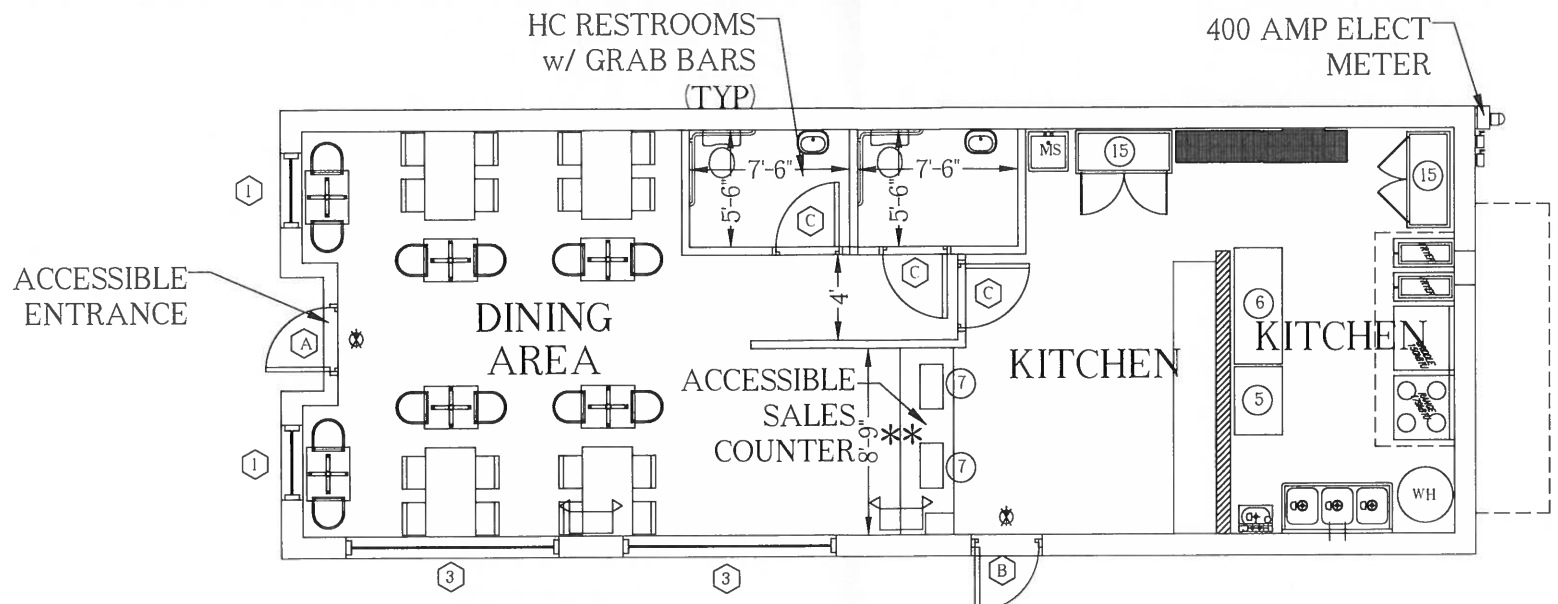
**EXISTING 2nd FLOOR PLAN**  
1/4" = 1'-0"

THE PURPOSE OF THIS PROJECT IS TO UPFIT THE EXISTING VACANT 1,176 SF (FOOTPRINT) TWO STORY BUILDING FOR THE INSTALLATION OF A FIRST FLOOR RESTAURANT AND SECOND FLOOR APARTMENT

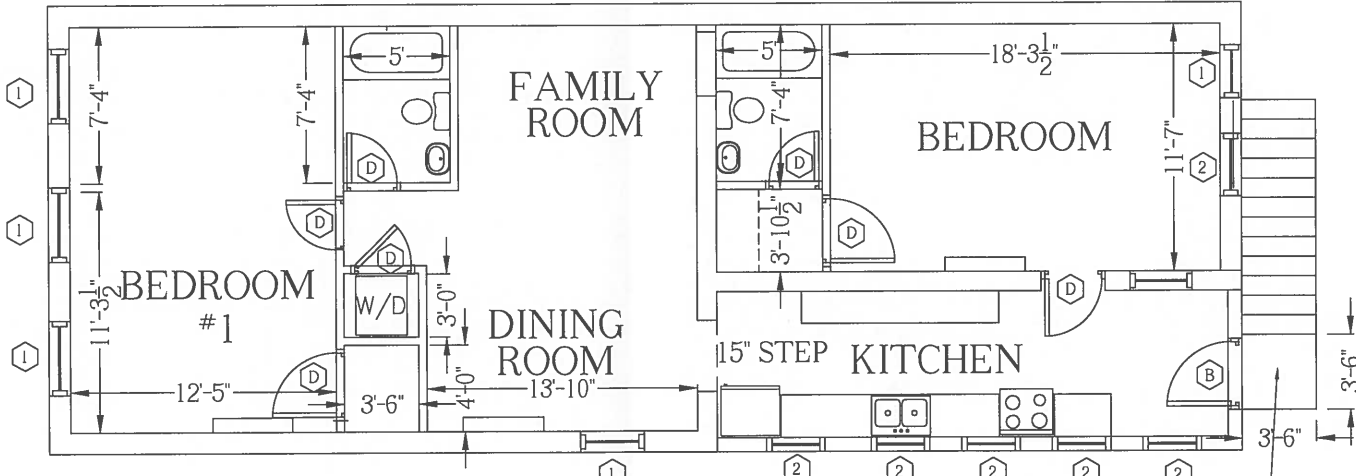
	NO.	DATE	BY	REVISION
<p>PROJECT TITLE: EXISTING FLOOR PLAN</p> <p>PROJECT: RENOVATION 19 W LEIGH STREET RICHMOND, VA 23220</p> <p>Advanced Engineering, LLC P.O. Box 72692 Richmond, VA 23235 (804) 909-3633 E-Mail: AdvEngineering@aol.com</p>				
<p>PROJECT NO.: 777</p> <p>SHEET NO.: A-1</p>				

**EQUIPMENT SCHEDULE**

MARK	FIXTURE
1	MOP SINK w/ SERVICE FOUNTAIN
2	Water Heater S/C 250/220V 3PH 17.5amp
3	35" x 15" WIRE SHELVES
4	MIXER - 250-240V 3PH 8 AMP
5	S/S WORKTOP TABLE
6	S/S WORKTOP TABLE
7	CASH REGISTER - 115V 3AMP
8	SHELVING
9	FREEZER 1 DOOR 115V 1PH 9.2amp
10	FREEZER 2 DOOR 112V 1PH 12.1 amp
11	3/4" x 30" TABLES
12	22" x 8" W/24" in each - Centimeter (1 each) 250/220V 3PH 11.5 amp Evaporator (each) 115V 1PH 4.1amp **TOTAL 3 UNITS FOR WALKIN
13	THREE COMPARTMENT SINK
14	40 lb GREASE TRAP
15	FREEZER 2 DOOR 115V 1PH 9.7 AMP
16	REFRIGERATOR 2 DOOR 115V 3PH 32AMP
17	HANDSINK
18	8 FT DELI CASE 115V 1PH 98A
19	6FT DISPLAY CABINET 115V 1PH 32AMP
20	Over/Proofer 208V 3PH 32amp
21	DELI CASE 115V 1PH 7.5amp
22	DISPLAY SHELVING



**1st FLOOR PLAN**  
1/4" = 1'-0"



**2nd FLOOR PLAN**  
1/4" = 1'-0"

**CODE NOTES:**

- USE GROUP (BUILDING): R-3/B (SEPARATED MIXED USE)  
USE GROUP (1st FLOOR): B  
USE GROUP (2nd FLOOR): R-3
- TYPE CONSTRUCTION: V-B
- BUILDING AREA: EXISTING VACANT UNIT 1,176 SF (FOOTPRINT)  
TOTAL BUILDING AREA 1,176 SF (FOOTPRINT)  
MAXIMUM FIRE AREA 1,176 SF (FOOTPRINT)  
HEIGHT AND AREA LIMITATIONS (B WORSE CASE)  
ALLOWED 9,000 SF / 2 STORY 40 FT HEIGHT - OK
- BUILDING IS NOT SPRINKLED
- OCCUPANCY LOAD  
FIRST FLOOR  
SEATING - 28 SEATS 28  
KITCHEN 425 SF / 200 3  
TOTAL OCCUPANCY (1st FLOOR) 31  
SECOND FLOOR  
RESIDENTIAL - 1,176 SF / 200 6  
TOTAL OCCUPANCY (2nd FLOOR) 6
- DESIGN LOADS: EXISTING BUILDING N/A  
1st FLOOR LOAD (LIVE): EXISTING CONCRETE SLAB - 125 PSF  
2nd FLOOR LOAD (LIVE): EXISTING WOOD FRAMED FLOOR - 40 PSF
- REQUIRED HANDICAP BUILDING SIGNAGE DESIGNED FOR USE BY THE PHYSICALLY DISABLED SHALL BE IN ACCORDANCE WITH ANSI A117.1 - 2009.
- HANDICAP CONTROLS AND OPERATING MECHANISMS SHALL COMPLY WITH ANSI A117.1 - 2009.
- ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE WHICH EGRESS IS TO BE MADE WITH OUT THE USE OF KEY, KNOWLEDGE, OR SPECIAL EFFORT.
- ALL LOCKS AND LATCHES INSTALLED ON REQUIRED EGRESS DOORS SHALL COMPLY WITH THE PROVISIONS OF VCC 2012.
- ALL DOORS TO BE A MINIMUM OF 3'-0" WIDE.
- EMERGENCY EGRESS AND EXIT LIGHTING TO BE PROVIDED.
- ALL MATERIALS UTILIZED FOR WALLS AND PARTITIONS IN BUILDINGS AND STRUCTURES OF TYPES 1 AND 2 CONSTRUCTION SHALL BE NON-COMBUSTIBLE IN ACCORDANCE WITH VCC 2012.
- INTERIOR FINISH MATERIALS INSTALLED IN ROOMS OR ENCLOSED SPACES SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF ASTM CLASS III (16-200), CLASS III (10-25), OR CLASS I (26-75) MATERIALS ARE ACCEPTABLE IN LIEU OF CLASS III. SMOKE DEVELOPMENT RATINGS SHALL NOT EXCEED 450 PER VUSBC 2012 TABLE 803.5.
- INSULATING BATTS, BLANKETS, FILLS, OR SIMILAR TYPES OF MATERIALS, WHERE EXPOSED AS INSTALLED IN ROOMS OR SPACES, INCLUDING ATTICS AND CRAWL SPACES OF BUILDINGS OF ANY TYPES OF CONSTRUCTION, SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 450 OR LESS WHEN TESTED.
- NO ROOF TOP HVAC EQUIPMENT PROPOSED.
- ELECTRICAL PLANS ARE TO BE SUBMITTED WITH A A/E SEAL OR PLANS DESIGNED AND SIGNED BY THE LICENSED INSTALLING ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. CODE OF VA 54.1-402.
- A LICENSED ELECTRICAL CONTRACTOR MUST SECURE A PERMIT PRIOR TO THE ELECTRICAL INSTALLATION.
- STAMPED ELECTRICAL PLANS ARE REQUIRED TO BE ON THE JOB SITE FOR ELECTRICAL INSPECTIONS. IF DRAWINGS STAMPED 'INSPECTOR USE ONLY' ARE NOT READILY AVAILABLE ON SITE FOR THE INSPECTOR, ELECTRICAL INSPECTION WILL BE REJECTED.
- PLUMBING PLANS ARE TO BE SUBMITTED WITH A A/E SEAL OR PLANS DESIGNED AND SIGNED BY THE LICENSED INSTALLING PLUMBING CONTRACTOR PRIOR TO INSTALLATION. CODE OF VA 54.1-402.
- A LICENSED PLUMBING CONTRACTOR MUST SECURE A PERMIT PRIOR TO THE PLUMBING INSTALLATION.
- STAMPED PLUMBING PLANS ARE REQUIRED TO BE ON THE JOB SITE FOR PLUMBING INSPECTIONS. IF DRAWINGS STAMPED 'INSPECTOR USE ONLY' ARE NOT READILY AVAILABLE ON SITE FOR THE INSPECTOR, PLUMBING INSPECTION WILL BE REJECTED.
- PLAN REVIEW LETTERS ARE CONSIDERED PART OF THE APPROVED CONSTRUCTION DOCUMENTS AND SHALL BE MAINTAINED ON THE JOB SITE WITH THE STAMPED APPROVED PLANS FOR USE BY THE INSPECTION STAFF.
- IF INSUFFICIENT COPIES OF REQUESTED INFORMATION ARE SUBMITTED, THE PERMIT APPLICATION WILL BE CHARGED A FEE TO MAKE THE NECESSARY COPIES AND PAYMENT WILL BE REQUIRED PRIOR TO ISSUANCE OF THE PERMIT.
- THE PERMIT APPLICANT IS RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS SUBCONTRACTORS, OWNERS, ETC. RECEIVE COPIES OF THIS LETTER IN ORDER TO BE AWARE OF ANY CONDITIONS OR ISSUES THAT HAVE BEEN DISCUSSED OR AGREED UPON DURING THE PERMIT APPROVAL PROCESS.
- PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, IT IS THE PERMIT HOLDERS RESPONSIBILITY TO ENSURE THAT ALL INSPECTION APPROVALS ARE RECEIVED FROM THE APPLICABLE COUNTY DEPARTMENTS AND ALL OUTSTANDING FEES, ie RE-INSPECTION FEES, TEMPORARY OCCUPANCY FEES, ETC. HAVE BEEN PAID.
- ALL REQUIRED BUILDING, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS MUST BE PRESENT ON SITE FOR THE APPROPRIATE INSPECTORS USE, UNLESS OTHERWISE NOTED.
- RECEPTACLES, CONTROLS FOR LIGHTS, THERMOSTAT, AND PLUMBING FIXTURES WILL BE OPERABLE AND WITHIN REACH RANGES AS SPECIFIED IN SECTION 308 OF ANSI
- ALL WORK TO BE IN COMPLIANCE WITH THE 2012 VRC - ALTERATION LEVEL 3

**DOOR SCHEDULE**

MARK	DESCRIPTION	HARDWARE	CLOSERS	QUAN
A	EXISTING 30' x 68' GLASS EXTERIOR DOOR  GLASS DOORS ARE TO HAVE SAFETY GLAZING IN ACCORDANCE WITH 2009 IBC SECTION 2406	PUSH BAR	YES	2
B	EXISTING 30' x 68' HM EXTERIOR DOOR	LEVER TYPE ENTRANCE	YES	2
C	30' x 68' WOOD INTERIOR DOOR	LEVER TYPE PRIVACY	YES	3
D	210' x 68' WOOD INTERIOR DOOR	LEVER TYPE PRIVACY	YES	7

**WINDOW SCHEDULE**

MARK	DESCRIPTION	QUAN
1	EXISTING 30' x 48' DH WINDOW	7
2	EXISTING 20' x 40' DH WINDOW	6
3	100' x 50' GLASS STORE FRONT	2

**FINISH SCHEDULE**

	WALLS	FLOORING	CEILING
REST ROOMS	PAINTED GYP BRD	CONCRETE or TILE	DROP CEILING PANELS
ACTIVITY AREA	PAINTED GYP BRD	CARPET or TILE	DROP CEILING PANELS
WARMING KITCHEN	PAINTED GYP BRD	TILE	DROP CEILING PANELS

NOTE: ALL FINISH MATERIALS TO HAVE A 'CLASS A' FINISH RATING

**NO NEW EXTERIOR DOORS PROPOSED**

**LEGEND**

- PROPOSED PARTITION WALLS
- PROPOSED 24" HIGH PARTITION WALLS
- EMERGENCY EGRESS SIGNS
- EMERGENCY EGRESS LIGHTING

- \*\* ACCESSIBLE SALES COUNTER NOTES:**
- SALES COUNTER TO BE ACCESSIBLE IN ACCORDANCE WITH ANSI SECTION 904
  - SALES COUNTER TO BE 36" MAXIMUM IN HEIGHT.
  - SALES COUNTER TO BE 36" MINIMUM IN LENGTH.
  - MINIMUM CLEAR FLOOR SPACE OF 48" LENGTH x 30" WIDTH TO BE PROVIDED AT THE SALES COUNTER.



NO.	DATE	BY	REVISION

PROJECT FILE	PROPOSED FLOOR PLANS	SCALE	AS NOTED
DATE	11-8-17	DRAWN BY	JK
CHECKED BY	JK	DATE	
PROJECT	RENOVATION		
	19 W LEIGH STREET		
	RICHMOND, VA 23220		
	Advanced Engineering, LLC		
	P.O.Box 72692		
	Richmond, VA 23235		
	(804) 909-3633		
	E-Mail: AdvEngineering@aol.com		
			777
			A-2

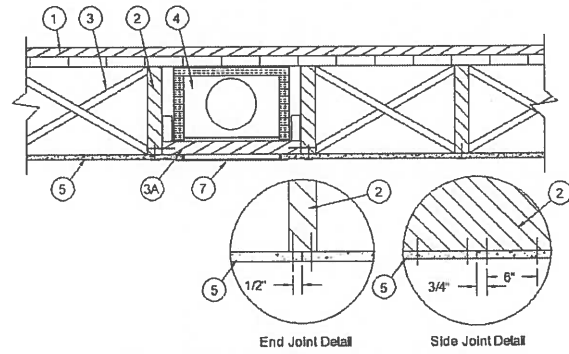
**Design No. L512**  
March 02, 2018

Unrestrained Assembly Rating — 1 Hr.

Finish Rating — 21 Min. or (16 Min. See Item 5A)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide **BXUV** or **BXUVZ**.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Flooring Systems — The flooring system shall consist of one of the following:

System No. 1

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

**Vapor Barrier** — Nom 0.010 in. thick commercial resin-sized building paper.

**Finish Flooring** — Min 1 by 3 in. T & G and end matched laid perpendicular to joists, or 19/32 in. plywood, min grade "Underlayment". Face grain of plywood to be perpendicular to joists with joints staggered.

2. Wood Joists — Min 2 by 10, spaced 16 in. OC and effectively fireblocked in accordance with local codes.

3. Cross Bridging — Min 1 by 3 in. or min 2 by 10 solid blocking.

4. Ceiling Damper\* — (Optional) — Max nom area shall be 198 sq in. Max rectangular size shall be 12 in. wide by 16-1/2 in. long. Max height of damper shall be 8-3/4 in. Aggregate damper openings shall not exceed 99 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturer's installation instructions provided with the damper. A steel grille (item 7) shall be installed in accordance with installation instructions.

5. Gypsum Board\* — Nom 1/2 or 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists and secured with 5d and 6d cement coated cooler nails, spaced 6 in. OC, for the 1/2 in. board and 5/8 in. thick board, respectively. Nails spaced 3/4 and 1/2 in. from side and end joints, respectively. GEORGIA-PACIFIC GYPSUM L L C — Types S, DAPC, TG-C

6. Finishing System — (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

7. Grille — Steel grille, installed in accordance with the installation instructions provided with the ceiling damper.

8. Discrete Products Installed in Air-handling Spaces\* — Automatic Balancing Valve/Damper — (Not Shown - Optional) — For use with item 4, Ruskin Company's Model CF7 damper (CABS). Ceiling damper to be provided with plenum box per damper manufacturer's instructions with side outlet only. Entire assembly to be installed into any UL Class 0 or Class 1 flexible air duct in accordance with the instructions provided by the automatic balancing valve/damper manufacturer.

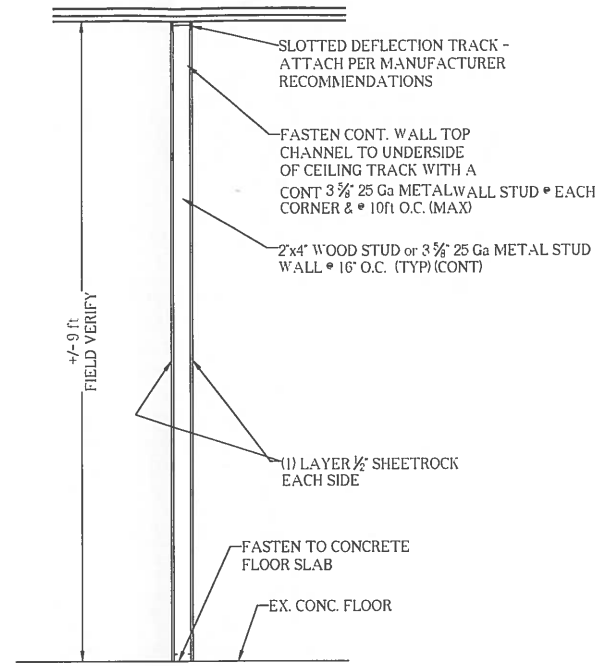
METAL INDUSTRIES INC — Model ABV-4, ABV-5, ABV-6

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2018-03-02

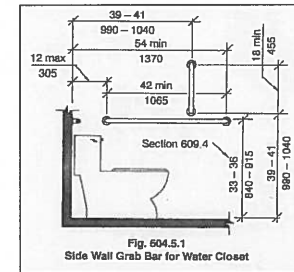
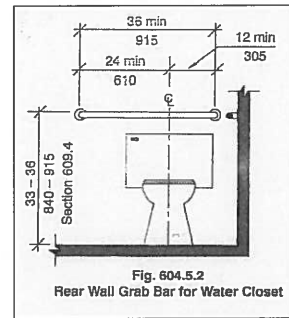
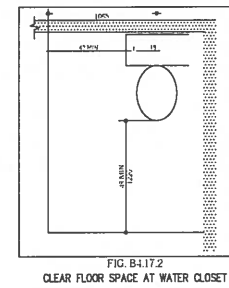
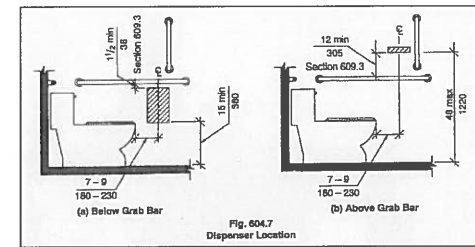
**1 HOUR RATED  
FLOOR / CEILING RATED  
ASSEMBLY DETAIL**

1/2" = 1'-0"



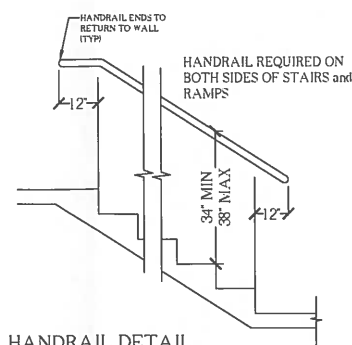
**TYP PARTITION  
WALL DETAIL**

1/2" = 1'-0"



**HC RESTROOM DETAILS  
(NTS)**

NOTE:  
ALL LAVATORIES IN ACCESSIBLE  
TOILET ROOMS ARE TO HAVE A  
30 in. WIDE BY 48 in. DEEP FRONTAL  
APPROACH WITH ADEQUATE KNEE  
AND FOOT CLEARANCE

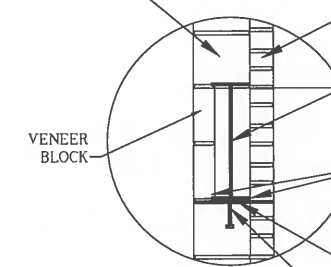


**HANDRAIL DETAIL  
NTS**

**HANDRAIL NOTES:**

- HANDRAILS AND GUARDS ARE DESIGNED TO RESIST A LOAD OF 50 Lbs PER LINEAR FOOT APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE.
- HANDRAILS AND GUARDS ARE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 200 Lbs APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE.
- INTERMEDIATE RAILS (ALL THOSE EXCEPT HANDRAILS) BALUSTERS, AND PANEL FILLERS ARE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF 50 Lbs ON AN AREA EQUAL TO 1 SQUARE FOOT, INCLUDING OPENINGS AND SPACE BETWEEN RAILS.

8" CMU BLOCK



**10' WINDOW LINTEL**

1/4" = 1'-0"

BRICK VENEER

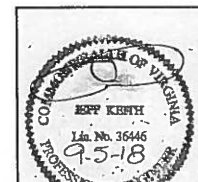
W8x21 - PROVIDE 8" (MIN) BEARING UNDER EA END

1/4" SKIP WELD 2"/12" (TYP EA SIDE OF BEAM)

11"x1/4" STEEL PLATE (CONT)

8"x8"x1/4" STEEL PLATE w/ 3" CONC STUD MOUNTING PLATE AT EA END OF BEAM - MASONRY WALL TO BE GROUTED SOLID UNDER ALL STEEL BEARING POINTS

NOTE:  
36" HANDRAIL REQD ON EA SIDE OF STAIR  
42" GUARDRAIL REQD ON OPEN SIDE OF STAIR AND LANDING



NO.	DATE	BY	REVISION

**NOTES & DETAILS**

**RENOVATION**  
18 W LEIGH STREET  
RICHMOND, VA 23220

Advanced Engineering, LLC

P.O.Box 72692  
Richmond, VA 23235  
(804) 909-3633

E-Mail: AdvEngineering@aol.com

PROJECT NO. AS NOTED

DATE: 11-6-17

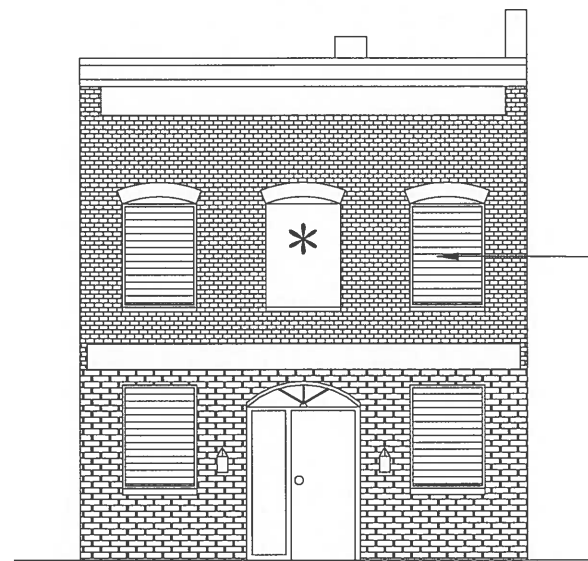
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CHECKED BY: JK

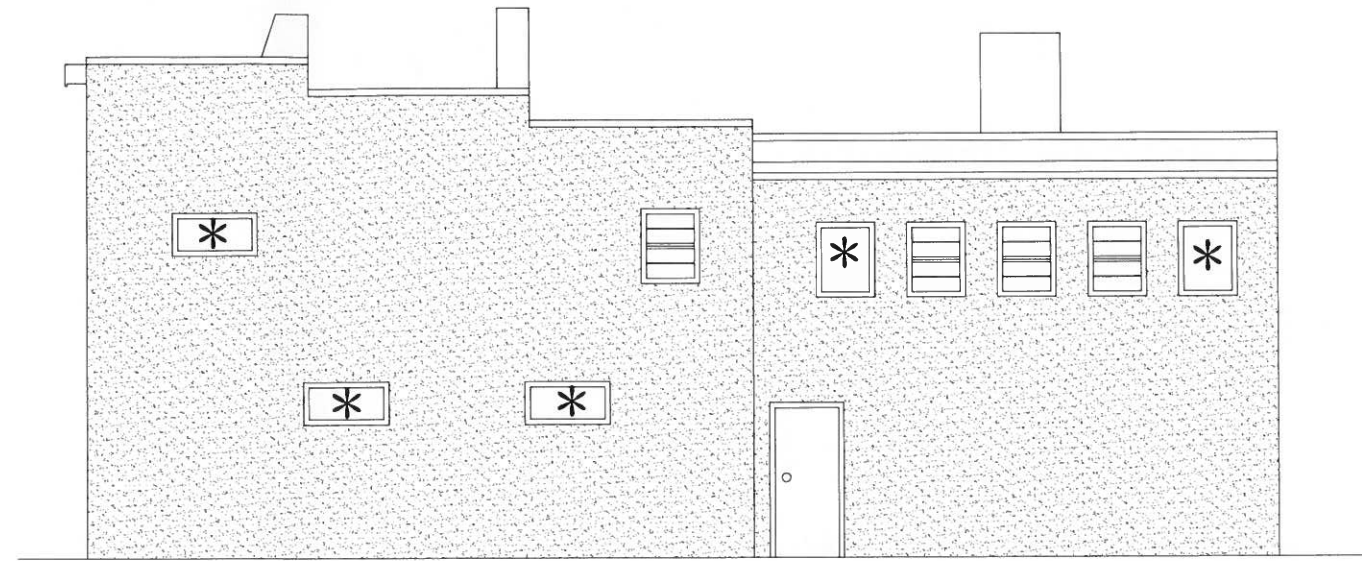
DRAWING NO. 777

777

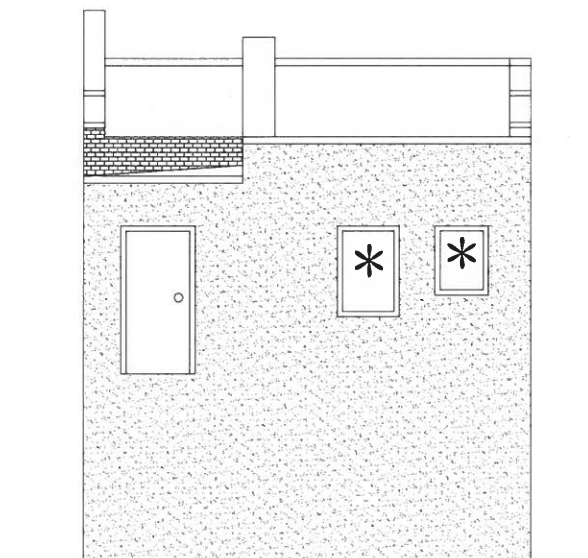
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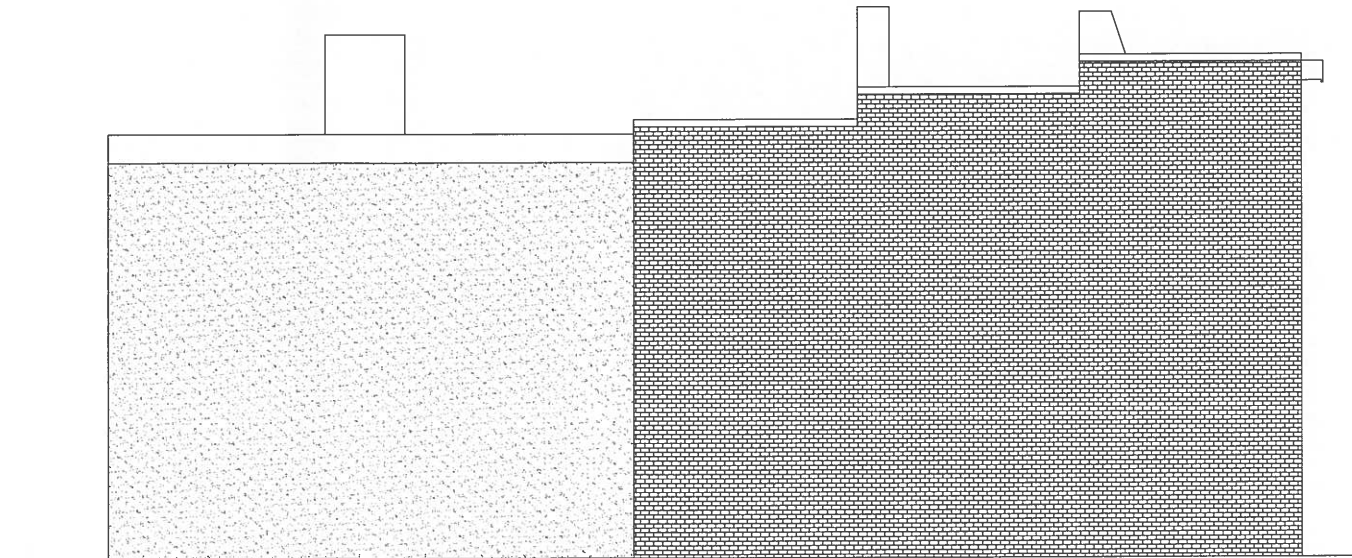
NORTH ELEVATION  
1/4" = 1'-0"



WEST ELEVATION  
1/4" = 1'-0"



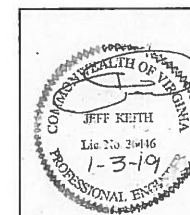
SOUTH ELEVATION  
1/4" = 1'-0"



EAST ELEVATION  
1/4" = 1'-0"

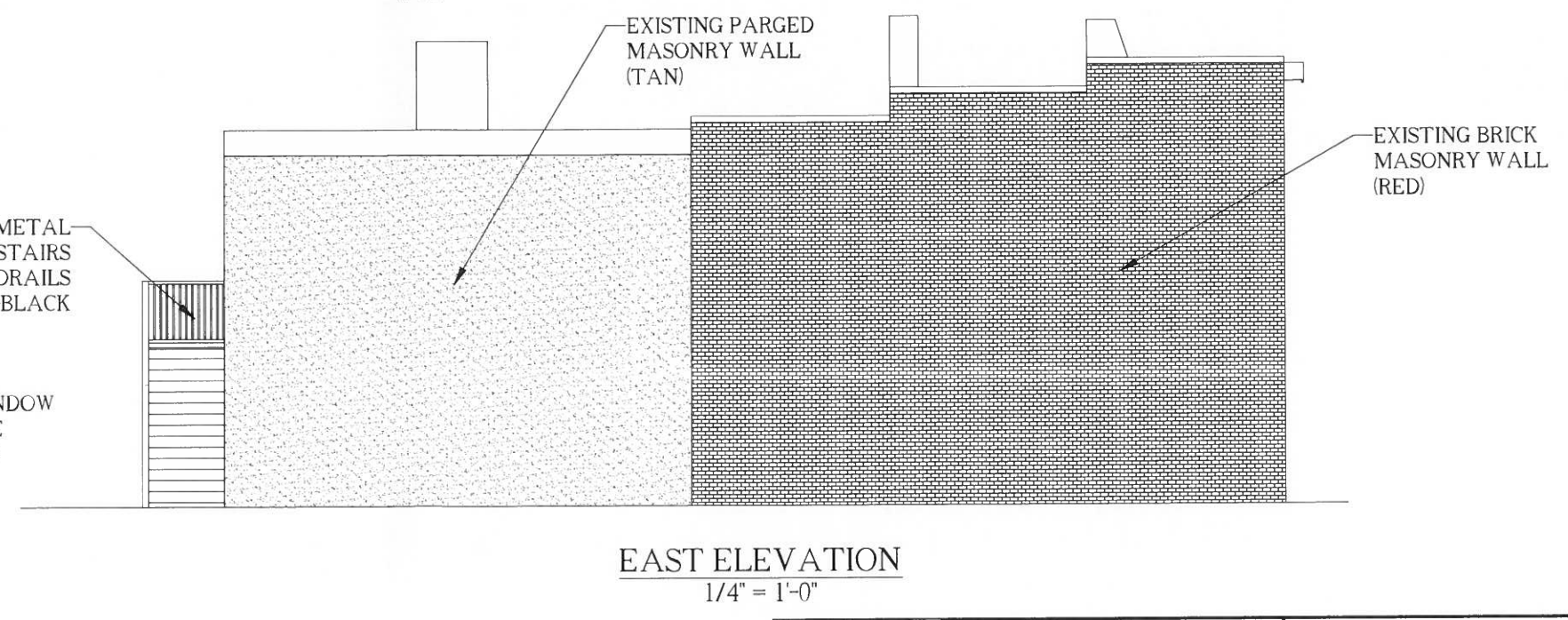
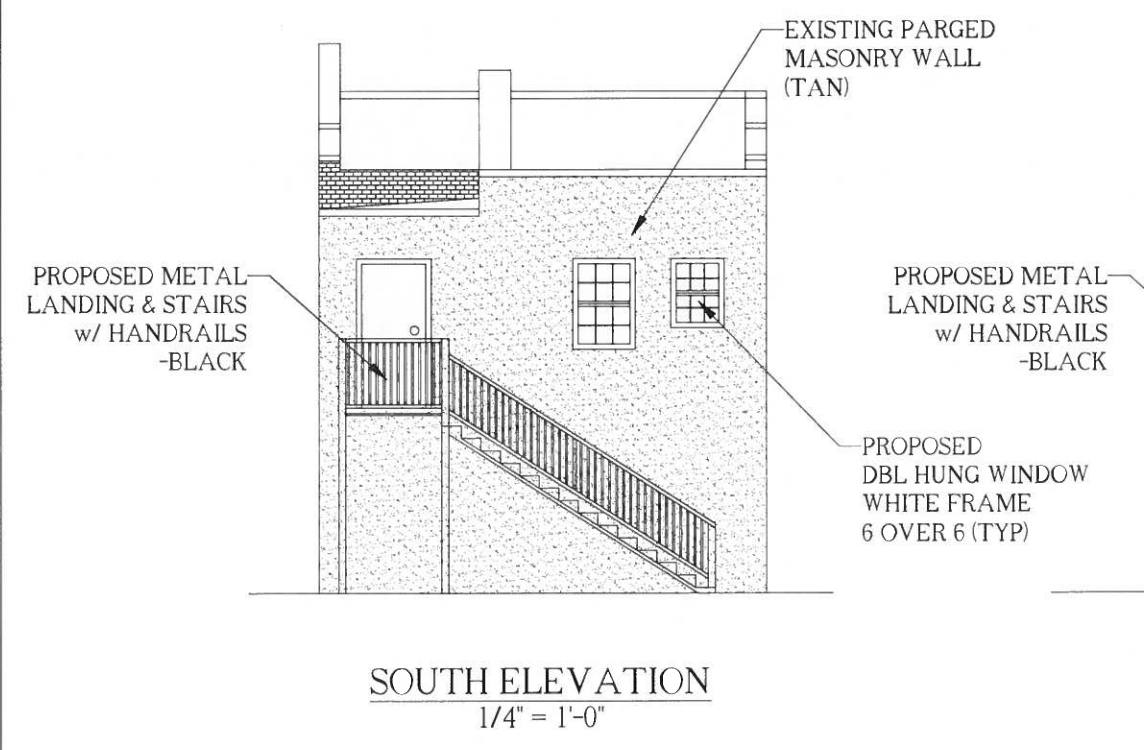
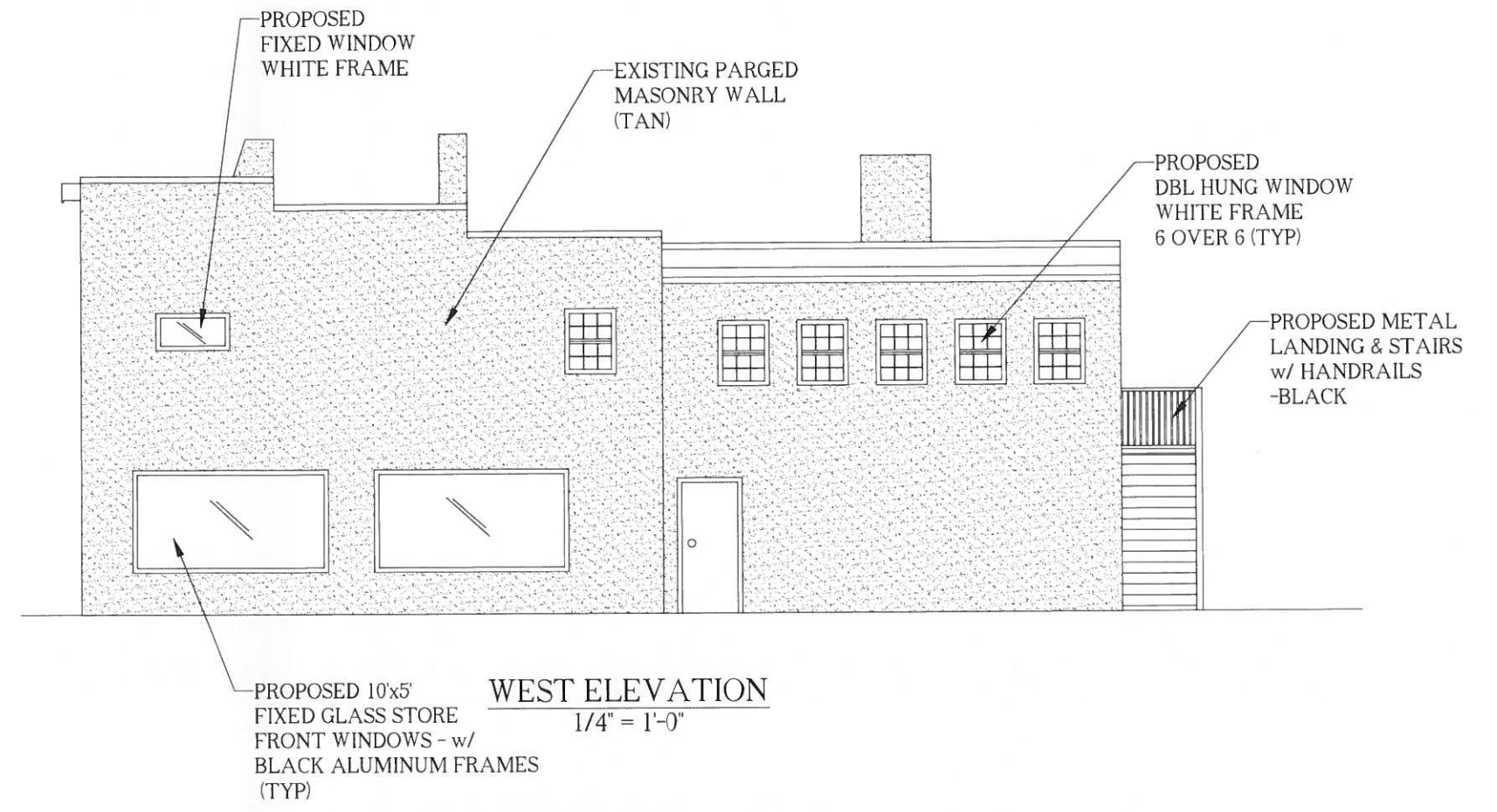
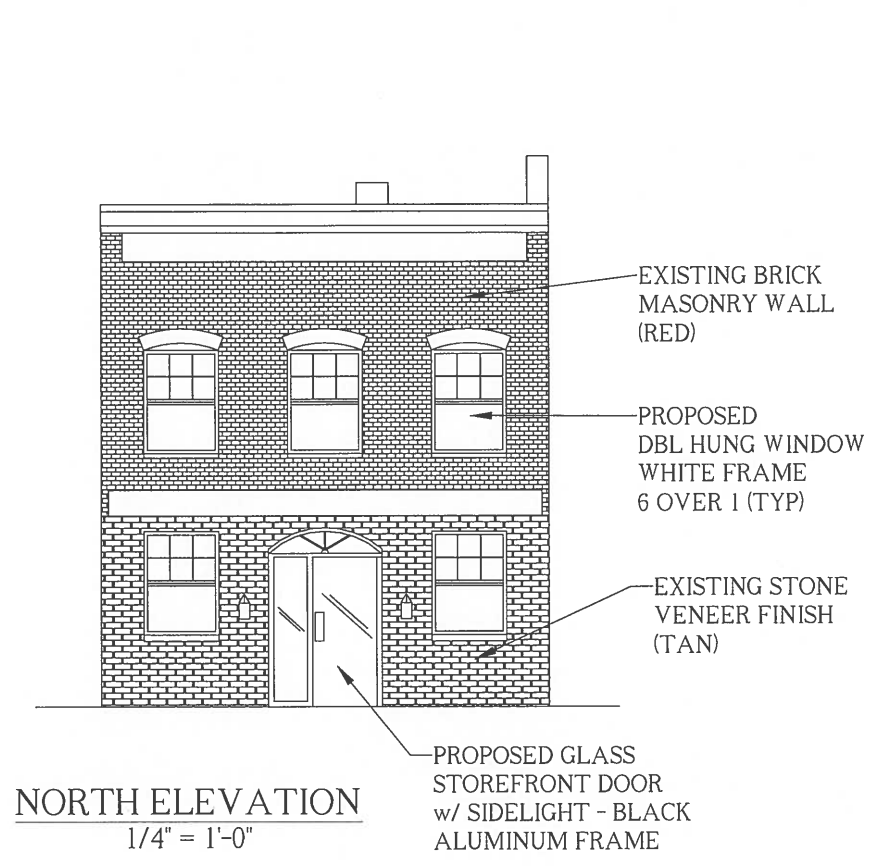
LEGEND

\* EX WINDOW MISSING



NO.	DATE	BY	REVISION
1	1/3/19	JK	REV PER REVIEW COMMENTS

PROJECT TITLE	EXISTING ELEVATIONS	PROJECT NO.	777
SCALE	AS NOTED	DRAWN BY	JK
DATE	9-5-18	CHECKED BY	JK
PROJECT	RENOVATION 19 W LEIGH STREET RICHMOND, VA 23220	DRAWING NO.	A-4
Advanced Engineering, LLC		P.O. Box 72692 Richmond, VA. 23235 (804) 909-3633	
E-Mail: AdvEngineering@aol.com			



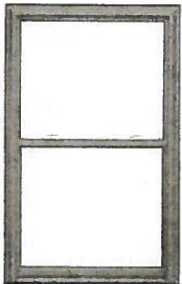
	PROJECT NO. _____ SCALE AS NOTED DATE 9-5-18 DRAWN BY JK CHECKED BY JK	
	PROJECT RENOVATION 19 W LEIGH STREET RICHMOND, VA 23220 Advanced Engineering, LLC P.O. Box 72692 Richmond, VA 23235 (804) 909-3633 E-Mail: AdvEngineering@aol.com	
NO. DATE BY REVISION		DRAWING NO. <b>777</b> <b>A-5</b>



VINYL

# Pella® 250 Series

SS



Pella 250 Series  
double-hung window

## FEATURES

Smooth, clean lines for a higher quality look than ordinary vinyl  
 Exceptional energy efficiency with double- and triple-pane glass options  
 Popular colors and features and Pella's exclusive weather repel system

## WINDOW STYLES

Specialty shapes, custom sizes and fixed configurations are also available.



AWNING



BAY OR BOW



CASEMENT



DOUBLE-HUNG



SINGLE-HUNG



SLIDING



# Colors & Finishes PELLA® 250 SERIES

## FRAME COLORS

Create a signature look with solid-color and dual-color frames. Dual-color frames allow you to choose a different color for the exterior with a white interior.

### SOLID-COLOR:



### DUAL-COLOR FRAMES:



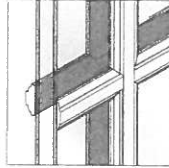


# Grilles PELLA® 250 SERIES

## GRILLES

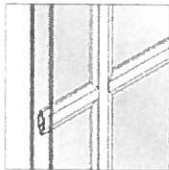
Choose the look of simulated divided light or make cleaning easier by selecting grilles-between-the-glass.

### COLOR-MATCHED SIMULATED-DIVIDED-LIGHT:

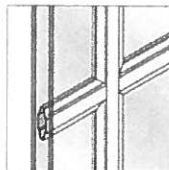


**CONTOUR 7/8"**

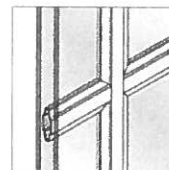
### GRILLES-BETWEEN-THE-GLASS:<sup>1</sup>



**CONTOUR 3/4"**  
Color-Matched Interior  
and 11 Exterior Colors



**CONTOUR 1"**  
White, Almond or  
Fossil Only



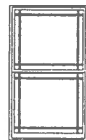
**FLAT 5/8"**  
White, Almond or  
Fossil Only

## GRILLE PATTERNS

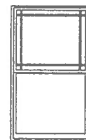
Choose from a variety of grille patterns for the traditional look of divided light.<sup>2</sup>



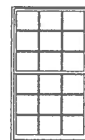
**6-LITE PRAIRIE**



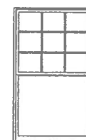
**9-LITE PRAIRIE**



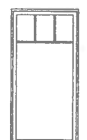
**9-LITE PRAIRIE**  
Top Sash Only



**TRADITIONAL**



**TRADITIONAL**  
Top Sash Only



**TOP ROW**



**CUSTOM**  
Equally Divided



**STARBURST<sup>3</sup>**



**SUNBURST<sup>3</sup>**



**PERIMETER<sup>3</sup>**



**TRADITIONAL**



**PRAIRIE**

<sup>1</sup> Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

<sup>2</sup> Grille patterns offered may vary per product. See specific product information for availability.

<sup>3</sup> Only available with a curved product or curved glass.

# Window Hardware PELLA® 250 SERIES

## FOLD-AWAY CRANK

Folds neatly out of the way so it won't interfere with roomside window treatments. Finishes match frame colors.



FOLD-AWAY  
CRANK

### COLOR-MATCHED FINISHES:

WHITE

ALMOND

FOSSIL

## CAM-ACTION LOCK

Pella's cam-action locks pull the sashes against the weatherstripping for a tighter seal. Optional AutoLock hardware automatically locks the window when it is shut, simply close the sash and confirm it latches.



CAM-ACTION  
LOCK



AUTOLOCK

### COLOR-MATCHED FINISHES:

WHITE

ALMOND

FOSSIL

## INTEGRATED SASH LIFT

Make raising and lowering single- and double-hung window sashes easy with a standard, integrated sash lift.



WINDOW INTEGRATED  
SASH LIFT

### COLOR-MATCHED FINISHES:

WHITE

ALMOND

FOSSIL

## WINDOW LIMITED OPENING DEVICES

A vent stop can be engaged or disengaged manually and restricts how far the bottom sash of a double-hung window can open. A window opening control device (WOCD) complies with a safety standard and allows for ventilation, emergency escape and rescue when released. A WOCD automatically limits the sash opening to less than four inches, unless it is intentionally disengaged, enabling the sash to fully open.



VENT  
STOP



OPENING  
CONTROL  
DEVICE

### COLOR-MATCHED FINISHES:

WHITE

ALMOND

FOSSIL

# Glass PELLA® 250 SERIES

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## INSULSHIELD® LOW-E GLASS

Advanced Low-E insulating dual- or triple-pane glass with argon<sup>1</sup>  
NaturalSun Low-E insulating dual- or triple-pane glass with argon<sup>1</sup>  
SunDefense™ Low-E insulating dual-pane glass with argon<sup>1</sup>

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## ADDITIONAL GLASS OPTIONS

Bronze-tinted Advanced Low-E insulating glass with argon<sup>1</sup>  
High-altitude InsulShield Low-E insulating glass<sup>1</sup>  
Obscure insulating glass<sup>2</sup>  
Tempered glass

# Screens<sup>3</sup>

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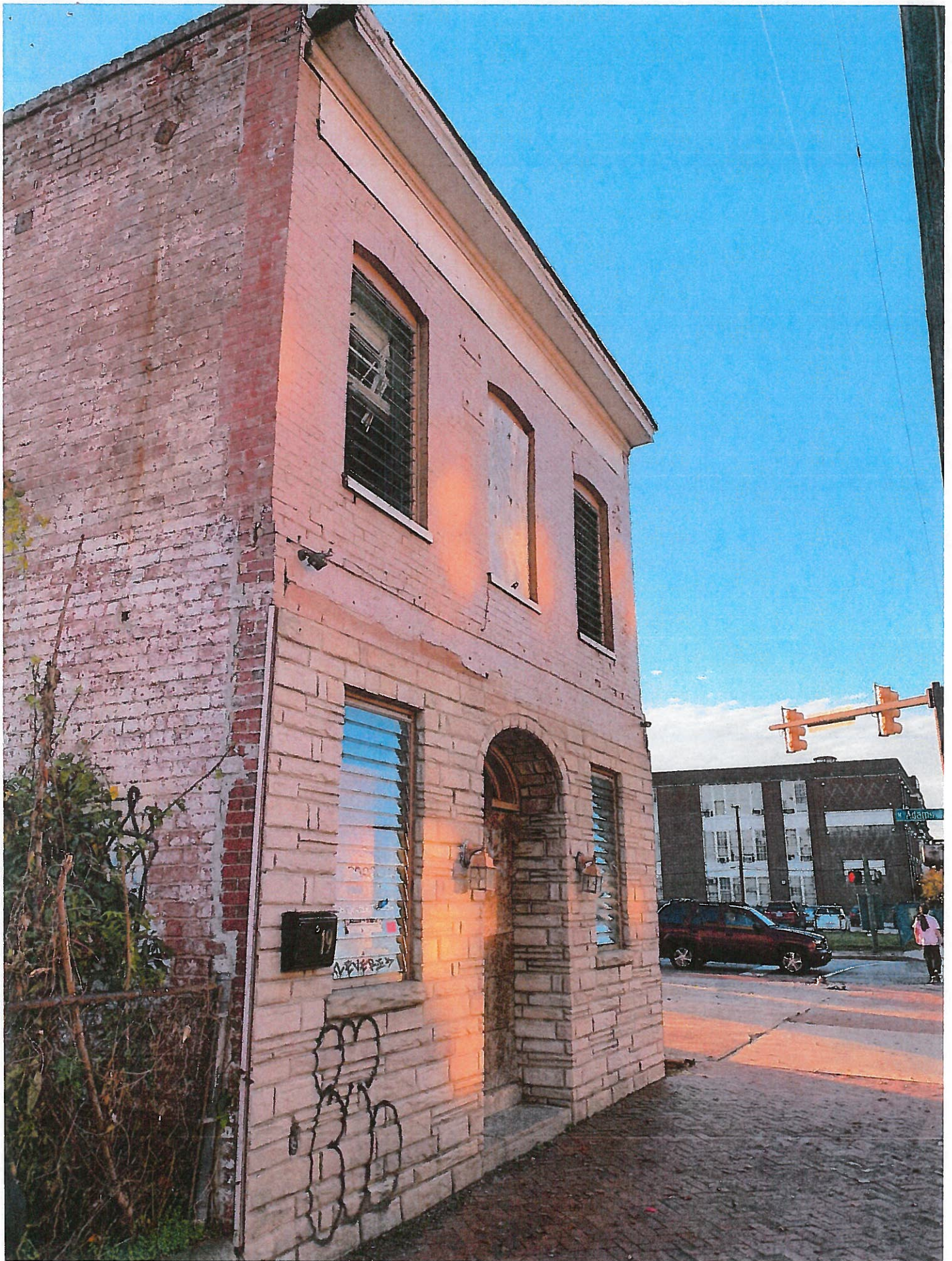
## FLAT

Durable and functional, conventional fiberglass screens are available on all venting vinyl windows.

<sup>1</sup> InsulShield Low-E insulating glass is available without argon in most products.

<sup>2</sup> Available in both double-pane and triple-pane glass.

<sup>3</sup> Warning: Screen will not stop child or pet from falling out of window or door. Keep child or pet away from open window or door.





ITE.V.18

SHOOPER BOB55

