STAFF REPORT: 8/11/2021 MEETING **PREPARED BY:** D. RIEDEN
APPLICATION NUMBER: #21-7396
ADDRESS: 1772 SEYBURN
HISTORIC DISTRICT: WEST VILLAGE
APPLICANT: JOZEF OLSZEWSKI (CONTRACTOR), MARTHA DELGADO (HRD CONTACT)
PROPERTY OWNER: DANIELLE ESTE
DATE OF PROVISIONALLY COMPLETE APPLICATION: 7/19/2021
DATE OF STAFF SITE VISIT: 7/22/2021

SCOPE: DEMOLITION OF GARAGE, GENERAL REHAB OF HOUSE

EXISTING CONDITIONS
Built in 1912, the property at 1772 Seyburn is a 2 ½ story, single-family residence facing southwest and sits central to the block. The hipped pyramid roof has a wood shingle-sided dormer that features palladian windows. The house is clad in stucco on the second floor and dark brown brick on the first floor. Heavy brick and wood pier supports the front elevated porch roof over the main entrance. White painted trim compliments the cast stone midline banding along the front of the house. The property reaches from the front street to the rear street, Shipherd, where access to the rear, stand-alone garage. The garage, which is proposed for demolition in this application, has a matching hipped-pyramid roof, stucco and wood siding, standing on a cracked, concrete foundation.

Site Photo 1, by Staff July 22, 2021: (Southwest) front side

Site Photo 2 by Staff July 22, 2021: Garage (Northeast) rear.

Site Photo 3, by applicant: garage interior

Aerial of Parcel #17010564

PROPOSAL
The applicant provided a complete application for the proposed scope items. See also applicant photos and attachments:

Demolition of Garage:

- Complete dismantle and removal of wood frame garage.
- Terminate all utilities at source.
- Remove concrete slab and mechanics hole of garage
- Backfill, grade and grass seed.

Roof: Shingles, edges, gutters and downspouts

- Remove all existing shingles down to the roof boards.
- Install 7/16 inch Oriented Strand Board.
- Install new Dimensional 30 year asphalt shingle roofing, GAF "Timerline" including 15 lb., color: dark brown "Hickory".
- Install asphalt saturated felt, over entire roof, ice and water shield at all eaves and valleys, and aluminum T-drip at all edges of roof.
- Match shingles to existing color and design. Black brown or gray.
- Install new aluminum gutters and rectangular downspouts on entire dwelling. Color: white.
- Repair of damaged wood components, where necessary (soffits, fascia, rake, frieze, gable, trim board) in kind to match existing.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Replacement of rear flat roof with bituminous roofing material. Color: flat black.

Porches/ Balconies: Front Porch

- Repair of damaged wood components, where necessary (b-board ceiling, ceiling beam, soffits, fascia, columns) with in kind wood material to match existing.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing, ie., white.
- Step repair not included in this application.

Walls: Repair Exterior walls, and Roof Dormer Siding:

- Repair in kind of all exterior wood components of front dormer: dormer siding, dormer soffits, fascia, rake, frieze, gable, trim boards.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Repair exterior stucco components where holes are present at the front elevation. Add new stucco of same strength and composition. Previously completed rear elevation stucco repair to be removed from the application.
- Stream course: Where brick has been painted in some elevations of the house no new paint will be added to the masonry.

Windows: Repair Original Wood Windows (29), Awnings and storm windows

- See also attached "Window Assessment Form" provided by applicant for location and exterior photos of the 29 windows.
- Temporarily remove storm windows, awnings, upper and lower window sashes.
- Remove interior stops and save (or discard and replace with in kind material).

- Paint wood components: wet scrape and fully apply Eco-Bond Lead Defender, or equivalent, to all painted surfaces of the jambs and troughs. Repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Determine track shape, most wood sashes have either a square-shaped groove or a "V" shaped groove. Install jamb liners to manufacturer's recommendations.
- Reinstall sashes and stops that match existing in like and kind.

Windows: Cellar Windows (7)

- Remove and dispose of basement windows and all framing of 7 cellar windows.
- Install new framing to receive glass block windows complete with metal vent.
- Mortar and caulk (low VOC).

Doors: Front and Rear

- Remove and keep existing doors (Front and Rear). Remove existing stop.
- Plane all edges of door to prevent friction/impact surfaces. Perform substrate stabilization on doors and all remaining door trim. Wet scrape and fully apply Eco-Bond Lead Defender, or equivalent, to doors, jamb, and interior/exterior casing.
- Install new equivalent primed stop.
- Reinstall existing doors.
- Replace weather-stripping, if necessary, to provide an airtight seal.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing, ie.,White.

Other Site work:

- None

STAFF OBSERVATIONS AND RESEARCH

- Staff visited the site on July 22, 2021. Staff photographed the property from the public right-of-way and observed the front and rear sides of the house. (See staff photos enclosed)
- Staff received an updated set of photos on the basement windows on August 6, 2021 in response to additional information requested from the applicant with regards to the following:
    - Cut sheets of shingles, gutters/downspouts showing product material, size and color
- It is staff's opinion that the existing garage has lost historic integrity and no longer contributes to the overall historic character of the property.
- It is staff's opinion that this proposal for repair of the roof, front porch, walls and siding, window repair, front and rear doors is consistent with the design, material and scale of the house.
- Staff typically has the authority to approve replacement of basement windows with glass block as long as they meet the HDC guidelines. Staff reviewed basement windows and has determined that they are not character-defining features.
- Through the application process, Staff learned that work was done without approval with regards to repair of stucco siding at the rear of the house. From the applicant's description, this repair was done with cement. The applicant has withdrawn this area of repair from the application.
- This project is City-assisted and is funded under the State of Michigan-MICHIP Lead Grant Program, which is administered by the Housing and Revitalization Department (HRD).
- This property has undergone hazardous material testing. The report, "Targeted Hazardous Material Testing Report" (March 19, 2020) is included in this application.

ISSUES

- Staff finds no issues with this proposal.

RECOMMENDATION

Section 21-2-78, Determination of Historic District Commission

HDC staff recommends the Commission issue a Certificate of Appropriateness for the proposed work because it meets the Secretary of the Interior's Standards for Rehabilitation and conforms to the Elements of Design for the West Village Historic District.

The conditions of the existing garage has lost historic integrity and no longer contributes to the overall historic character of the property, and the proposed repair of the roof, front porch, walls and siding, window repair, front and rear doors is consistent with the design, material and scale of the house. Therefore the proposed demolition of the garage and the repair work of the house is compliant with the district's Elements of Design and the Secretary of the Interior's Standards. Staff therefore recommends that the Commission approve the proposed work.

NO
PARKING

1712
BLACK
LIVES

1772
1766
BLACK
LIVES

THIS IS A **3-PAGE FORM - ALL INFORMATION IS REQUIRED FOR PROJECT REVIEW**

HISTORIC DISTRICT COMMISSION
PROJECT REVIEW REQUEST

City of Detroit - Planning & Development Department
2 Woodward Avenue, Suite 808
Detroit, Michigan 48226

DATE: 7/223/2021

PROPERTY INFORMATION

ADDRESS(ES): 1772 Seyburn **AKA:**

PARCEL ID: **HISTORIC DISTRICT:** West Village

SCOPE OF WORK: (Check ALL that apply)

- [x] Windows/ Doors
- [ ] Walls/ Siding
- [ ] Painting
- [x] Roof/Gutters/ Chimney
- [ ] Porch/Deck/ Balcony
- [ ] Addition
- [x] Demolition
- [ ] Signage
- [ ] New Building
- [ ] Major Alteration *(3+ scope items)*
- [ ] Site Improvements *(landscape, trees, fences, patios, etc.)*

BRIEF PROJECT DESCRIPTION: garage demolition
garage demolition

APPLICANT IDENTIFICATION

- [ ] Property Owner/ Homeowner
- [x] Contractor
- [ ] Tenant or Business Occupant
- [ ] Architect/Engineer/ Consultant

NAME: Jozef Olszewski **COMPANY NAME:** Jozef Contractor, Inc

ADDRESS: 17245 Mt. Elliott **CITY:** Detroit **STATE:** MI **ZIP:** 48212

PHONE: 586-604-5210 **MOBILE:** **EMAIL:** jozefcontractor@yahoo.com

PROJECT REVIEW REQUEST CHECKLIST

Please attach the following documentation to your request:

PLEASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB

- [x] **Completed Building Permit Application** (highlighted portions only)
- [ ] **ePLANS Permit Number** (only applicable if you've already applied for permits through ePLANS)
- [x] **Current Photographs:** Including the front of the building & detailed photographs of the area(s) affected by the proposed work. All photographs must be labeled or captioned, e.g. "west wall", "second floor window," etc.
- [x] **Description of existing conditions** (including materials and design)
- [x] **Description of project** (if replacing any existing material(s), include an explanation as to why replacement--rather than repair--of existing and/or construction of new is required)
- [x] **Detailed scope of work** (formatted as bulleted list)
- [ ] **Brochure/cut sheets** for proposed replacement material(s) and/or product(s), as applicable

NOTE:

Based on the scope of work, additional documentation may be required.

See www.detroitmi.gov/hdc for scope-specific requirements.

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building permit from the Buildings, Safety Engineering and Environmental Department (BSEtED) to perform the work.

SUBMIT COMPLETED REQUESTS TO: HDC@DETROITMI.GOV

P2 - BUILDING PERMIT APPLICATION

Date: 7/223/2021

PROPERTY INFORMATION

Address: 1772 Seyburn Floor: _____ Suite#: ____ Stories: _____

AKA: _____ Lot(s): _____ Subdivision: _____

Parcel ID#(s): _____ Total Acres: _____ Lot Width: _____ Lot Depth: _____

Current Legal Use of Property: _____ Proposed Use: _____

Are there any existing buildings or structures on this parcel? ☐ Yes ☐ No

PROJECT INFORMATION

Permit Type: ☒ New ☐ Alteration ☐ Addition ☐ Demolition ☐ Correct Violations

☐ Foundation Only ☐ Change of Use ☐ Temporary Use ☐ Other: _____

☐ Revision to Original Permit #: _____ (Original permit has been issued and is active)

Description of Work (Describe in detail proposed work and use of property, attach work list)

Windows -Wood Wet Scrape and paint; Roof Replacement with same like materials Asphalt; demolition of garage (see attachment)

☐ MBC use change ☐ No MBC use change

Included Improvements (Check all applicable; these trade areas require separate permit applications)

☐ HVAC/Mechanical ☐ Electrical ☐ Plumbing ☐ Fire Sprinkler System ☐ Fire Alarm

Structure Type

☐ New Building ☐ Existing Structure ☐ Tenant Space ☐ Garage/Accessory Building

☐ Other: _____ Size of Structure to be Demolished (LxWxH) _____ cubic ft.

Construction involves changes to the floor plan? ☐ Yes ☐ No

(e.g. interior demolition or construction to new walls)

Use Group: _____ Type of Construction (per current MI Bldg Code Table 601) _____

Estimated Cost of Construction $ _____ (By Contractor) $ _____ (By Department)

Structure Use

☐ Residential-Number of Units: _____ ☐ Office-Gross Floor Area _____ ☐ Industrial-Gross Floor Area _____

☐ Commercial-Gross Floor Area: _____ ☐ Institutional-Gross Floor Area _____ ☐ Other-Gross Floor Area _____

Proposed No. of Employees: _____ List materials to be stored in the building: _____

PLOT PLAN SHALL BE submitted on separate sheets and shall show all easements and measurements (must be correct and in detail). SHOW ALL streets abutting lot, indicate front of lot, show all buildings, existing and proposed distances to lot lines. (Building Permit Application Continues on Next Page)

For Building Department Use Only

Intake By: _____ Date: _____ Fees Due: _____ DngBld? ☐ No

Permit Description:

Current Legal Land Use: _____ Proposed Use: _____

Permit#: _____ Date Permit Issued: _____ Permit Cost: $ _____

Zoning District: _____ Zoning Grant(s): _____

Lots Combined? ☐ Yes ☐ No (attach zoning clearance)

Revised Cost (revised permit applications only) Old $ _____ New $ _____

Structural: _____ Date: _____ Notes: _____

Zoning: _____ Date: _____ Notes: _____

Other: _____ Date: _____ Notes: _____

Permit #:

IDENTIFICATION (All Fields Required)

Property Owner/Homeowner ■ Property Owner/Homeowner is Permit Applicant

Name: Danielle Este Company Name: _____

Address: 1772 Seyburn City: Detroit State: MI Zip: 48206

Phone: 313-399-2-41 Mobile: _____

Driver's License #: _____ Email: _____

Contractor ■ Contractor is Permit Applicant

Representative Name: Jozef Olszewski Company Name: Jozef Contractor, Inc

Address: 17245 Mt. Elliott City: Detroit State: MI Zip: 48212

Phone: 586-604-5210 Mobile: _____ Email: jozefcontractor@yahoo.com

City of Detroit License #: 2014LLC00399

TENANT OR BUSINESS OCCUPANT

☐ Tenant is Permit Applicant

Name: _____ Phone: _____ Email: _____

ARCHITECT/ENGINEER/CONSULTANT

☐ Architect/Engineer/Consultant is Permit Applicant

Name: _____ State Registration#: _____ Expiration Date: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: _____ Mobile: _____ Email: _____

HOMEOWNER AFFIDAVIT (Only required for residential permits obtained by homeowner.)

I hereby certify that I am the legal owner and occupant of the subject property and the work described on this permit application shall be completed by me. I am familiar with the applicable codes and requirements of the City of Detroit and take full responsibility for all code compliance, fees and inspections related to the installation/work herein described. I shall neither hire nor sub-contract to any other person, firm or corporation any portion of the work covered by this building permit.

Print Name: Danielle Este Signature: _____ Date: _____
(Homeowner)

Subscribed and sworn to before me this _____ day of _____ 20 ____ A.D. _____ County, Michigan

Signature: _____ My Commission Expires: _____
(Notary Public)

PERMIT APPLICANT SIGNATURE

I hereby certify that the information on this application is true and correct. I have reviewed all deed restrictions that may apply to this construction and am aware of my responsibility thereunder. I certify that the proposed work is authorized by the owner of the record and I have been authorized to make this application as the property owner(s) authorized agent. Further I agree to conform to all applicable laws and ordinances of jurisdiction. **I am aware that a permit will expire when no inspections are requested and conducted within 180 days of the date of issuance or the date of the previous inspection and that expired permits cannot be**

Print Name: Jozef Contractor, Inc. Signature: _____ Date: _____
(Permit Applicant)

Driver's License #: _____ Expiration: _____

Subscribed and sworn to before me this _____ day of _____ 20 ____ A.D. _____ County, Michigan

Signature: _____ My Commission Expires: _____
(Notary Public)

Section 23a of the state construction code act of 1972, 1972PA230, MCL 125.1523A, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Visitors of Section 23a are subject to civil fines.

This application can also be completed online. Visit detroitmi.gov/bseed/elaps for more information.

PROPOSAL
The applicant provided a complete application for the proposed scope items:

Demolition of Garage:

- Complete dismantle and removal of wood frame garage.
- Terminate all utilities at source.
- Remove concrete slab and mechanics hole of garage
- Backfill, grade and seed.

Roof: Shingles, (DARK BROWN) edges, gutters and downspouts-(WHITE)

- LOCATIONS? Extent of work? PHOTOS?
- Remove all existing shingles down to the roof boards.
- Install 7/16 inch Oriented Strand Board.
- Install new Dimensional 30 year asphalt shingle roofing, including 15 lb.,
- Install asphalt saturated felt, over entire roof, ice and water shield at all eaves and valleys, and aluminum T-drip at all edges of roof.
- Match shingles to existing color and design. Black brown or gray.
- Install new aluminum gutters and rectangular downspouts on entire dwelling.
- (Cut sheets of shingles, gutters/downspouts showing product material, size and color)
- Repair of damaged wood components, where necessary (soffits, fascia, rake, frieze, gable, trim board) in kind to match existing.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Replacement of rear flat roof with bituminous roofing material. Color: flat black.

Porches/ Balconies: Front Porch-WHITE

- LOCATION? Extent of work? PHOTOS?
- Repair of damaged wood components, where necessary (b-board ceiling, ceiling beam, soffits, fascia, COLUMNS-ADD other Components) in kind to match existing.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Repair steps? NOT REPAIRING THE STEPS

Walls: Repair Exterior walls, and Roof Dormer Siding:

- LOCATIONS? Extent of work? PHOTOS? FRONT DORMER
- Repair in kind of all exterior wood components: dormer siding, dormer soffits, fascia, rake, frieze, gable, trim boards.
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Repair exterior stucco components where holes are present. Add new stucco of same strength and composition.
- Stucco?: previously filled with cement? Describe work on this portion. AND ADDENDUM WILL BE ISSUED TO DELETE THE REAR STUCCO REPAIR AND IT WILL INCLUED TO REPAIR THE STUCCO ON THE FRON OF THE DWELLING
- Stream course: Where brick has been painted in some elevations of the house no new paint will be added on the masonry.

Windows: Repair Original Wood Windows (29), Awnings and storm windows (WHITE)

- See also attached "Window Assessment Form" provided by applicant for location and exterior photos of the 29 windows.
- Temporarily remove storm windows, awnings, upper and lower window sashes.
- Remove interior stops and save (or discard and replace with in kind material).
- Paint wood components: wet scrape and fully apply Eco-Bond Lead Defender, or equivalent, to all painted surfaces of the jambs and troughs. Repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.
- Determine track shape, most wood sashes have either a square-shaped groove or a "V" shaped groove. Install jamb liners to manufacturer's recommendations.
- Reinstall sashes and stops that match existing in like and kind.

Windows: Cellar Windows (7)

- LOCATION? PHOTOS?BASEMENT SENT PHOTOS
- Remove and dispose of basement windows and all framing of 7 cellar windows.
- Install new framing to receive glass block windows complete with metal vent.
- Mortar and caulk (low VOC).

Doors: Front (Wall A) and Rear (Wall C)

- PHOTOS?
- Remove and keep existing door (Front). Remove existing stop. (Same treatment for rear door? Also, two Wall A doors in BID sheet.)
- Plane all edges of door to prevent friction/impact surfaces. Perform substrate stabilization on doors and all remaining door trim. Wet scrape and fully apply Eco-Bond Lead Defender, or equivalent, to doors, jamb, and interior/exterior casing.
- Install new equivalent primed stop.
- Reinstall existing door.
- Replace weather-stripping, if necessary, to provide an airtight seal.
- Color of front door/ trim: ?? WHITE
- Paint wood components: Wet, scrape, prime any bare areas and repaint these surfaces with two coats of exterior grade, 20 year paint. Color to match existing.

Other Site work:

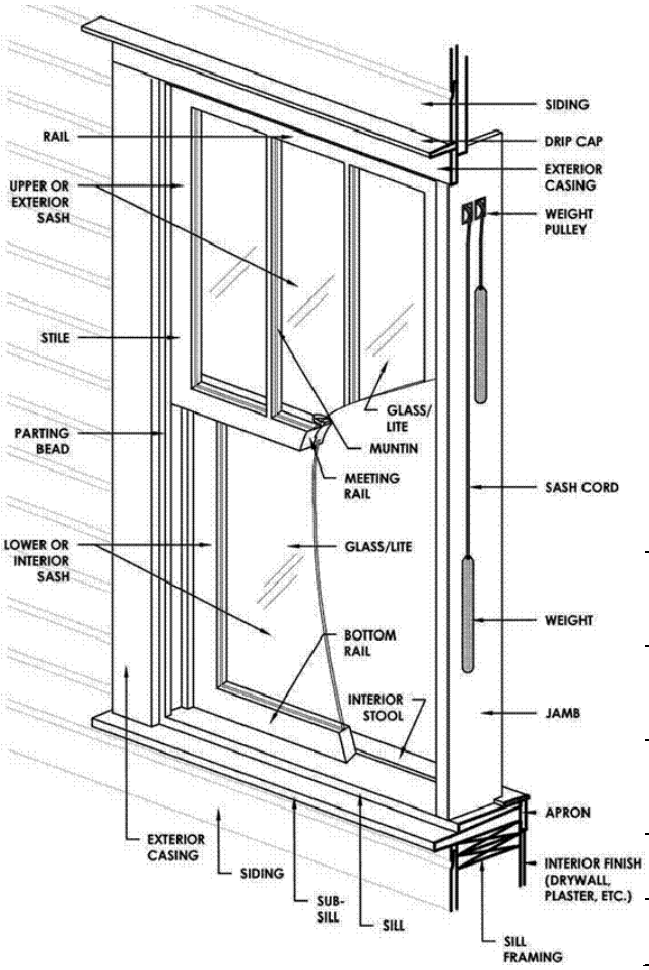
- None

I WILL SEND YOU THE CUT SHEETS FOR THE ROOF AND GUTTER THIS AFTERNOON…

Window Assessment Form

	Basic Requirements
☐	1. Photographs or drawing of each elevation of the structure, with all the window openings on each elevation numbered.
☐	2. Photographs of each window opening *numbered* corresponding to the photographs or drawings from #1.
☐	3. Condition Evaluation of each window (see reverse).
☐	4. Proposed window design (casement, fixed, etc.) , pattern (3/1, 6/6, 1/1, etc.) , materials (wood, vinyl, clad, etc.), etc. Specify if different for certain openings.
☐	5. Attach proposed window product brochure/information that includes the company's depiction or photograph of actual windows. We need to know what they look like on the exterior.
☐	• 6. Other **EBL Investigation Window Map and Report (Windows: -WOOD- Windows will be wet scraped and painted to match existing color).**

ALL* window openings** on the structure should be assigned a ***number and ***described*** under the same number on the back of this sheet. Even those not being replaced should be assigned a number, however a photograph of those windows is not necessary, note on the second page that you aren't looking to replace that window number.



Windows in dormers and small fixed windows *should* also be included, but *not* door sidelights or transoms associated with a door.

On the second page, describe the condition of *each* window, referring to the specific parts of the window (see diagram to the left).

The photographs can be from the interior, exterior, or both. *Additional close-up photographs*, showing evidence of window condition, **MUST** be provided to better document problem areas if you are requesting replacement windows.

Total Number of Window Openings	29
Number of Historic Windows on the Structure	29
Number of Existing Replacement/Non-Historic Windows	0
Number of Windows Completely Missing	0
Total Number of Windows to be Replaced	0

Address: 1772 Seyburn

Inspector : Martha H. Delgado

Date Received: _____

Received by: _____

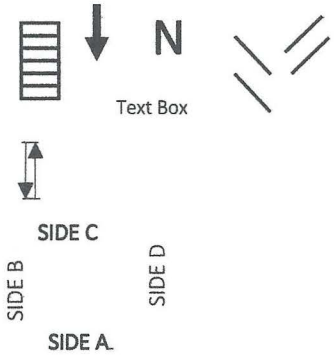
Window Survey Form—Window Condition Report

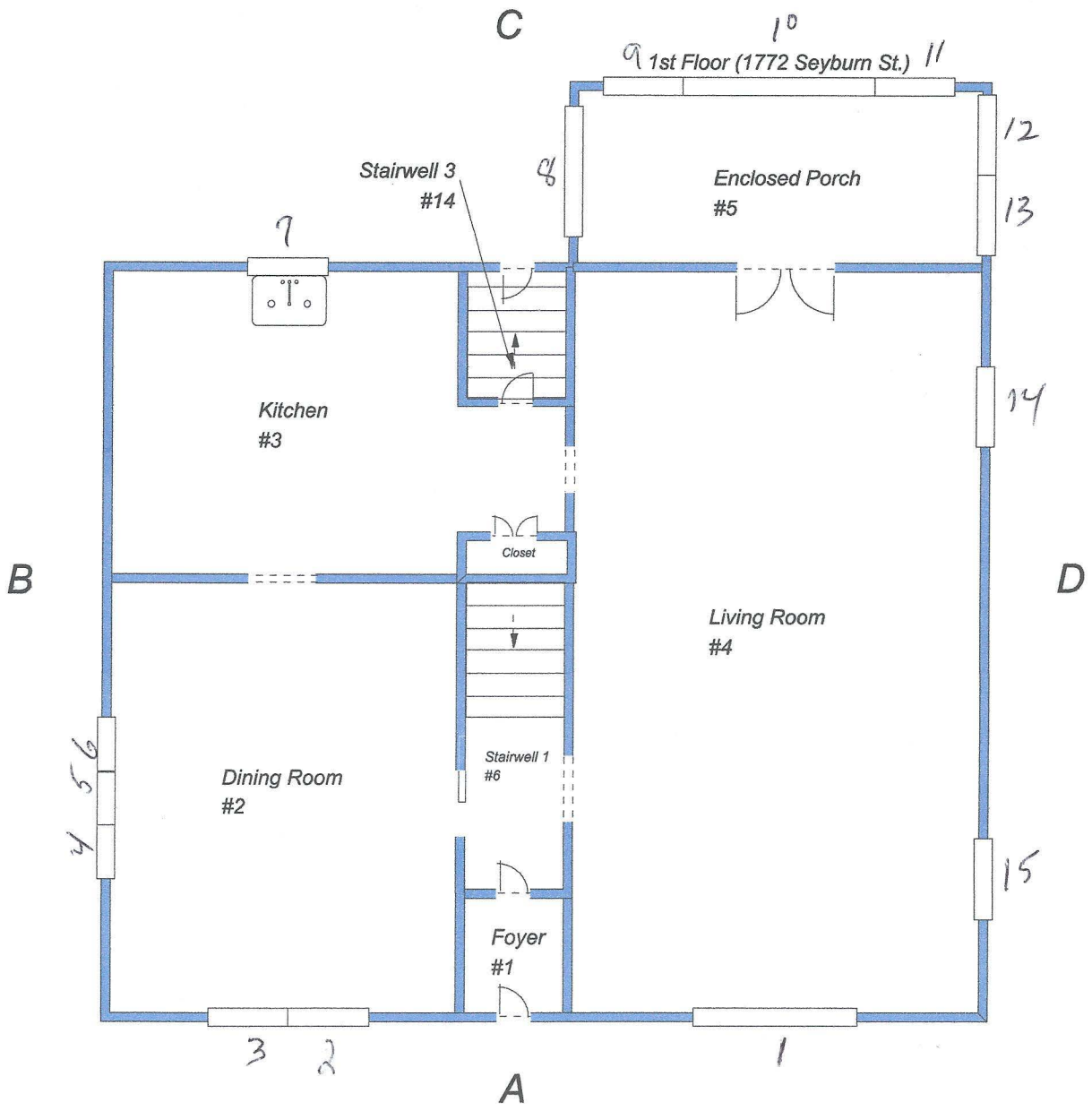
Window #	Window Condition
1	LV-Picture-Wood—Fair
2	Din-DH-Wood--Poor
3	Din -DH-Wood--Poor
4	Din-Lead Glass-Wood-Fair
5	Din-Lead Glass-Wood--Fair
6	Din-Lead Glass-Wood--Fair
7	Kitchen-DH-Wood--Poor
8	Enclosed Porch-Wood- Poor
9	Enclosed Porch-Wood-Poor
10	Enclosed Porch-Wood- Poor
11	Enclosed Porch-Wood-Poor
12	Enclosed Porch-Wood-Poor
13	Enclosed Porch-Wood-Poor
14	Lv-Fix-Wood-Fair
15	Lv-Fix-Wood--Fair
16	Bed-2-DH-Wood--Poor
17	Bed 2-DH-Wood Poor
18	Bed 3 DH- Wood--Poor
19	Bed 3-DH-Wood--Poor
20	Closet -Fix-Wood-Fair

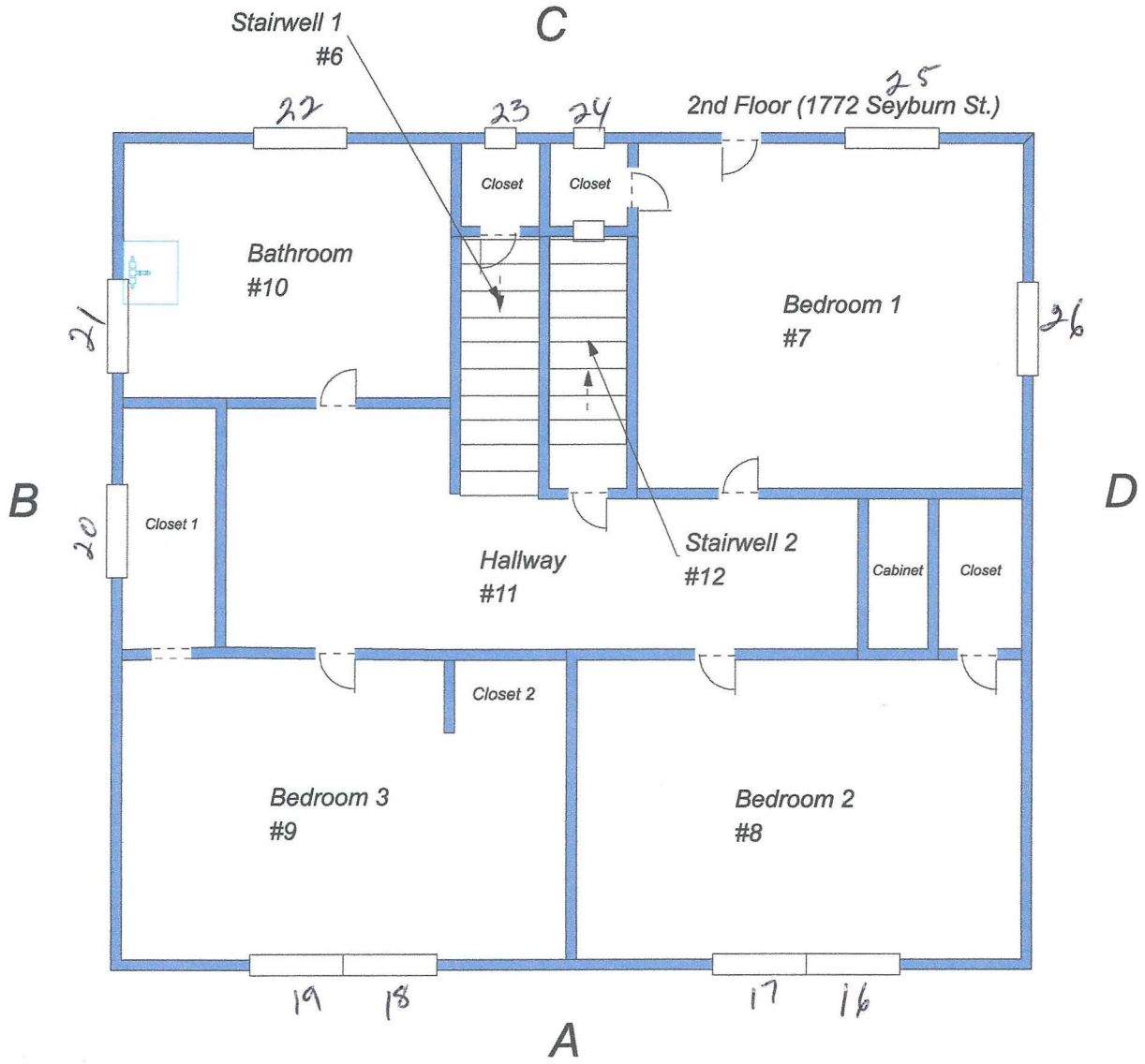
Window #	Window Condition
21	Bathroom-DH-Wood--Poor
22	Bathroom-DH-Wood--Poor
23	Closet-DH-Wood-Fair
24	Closet DH-Wood-Fair
25	Bed 1-DH-Wood--Poor
26	Bed 1-DH-Wood--Poor
27	Attic-Wood--Poor-
28	Attic-Wood--Poor
29	Attic-Wood-Poor
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

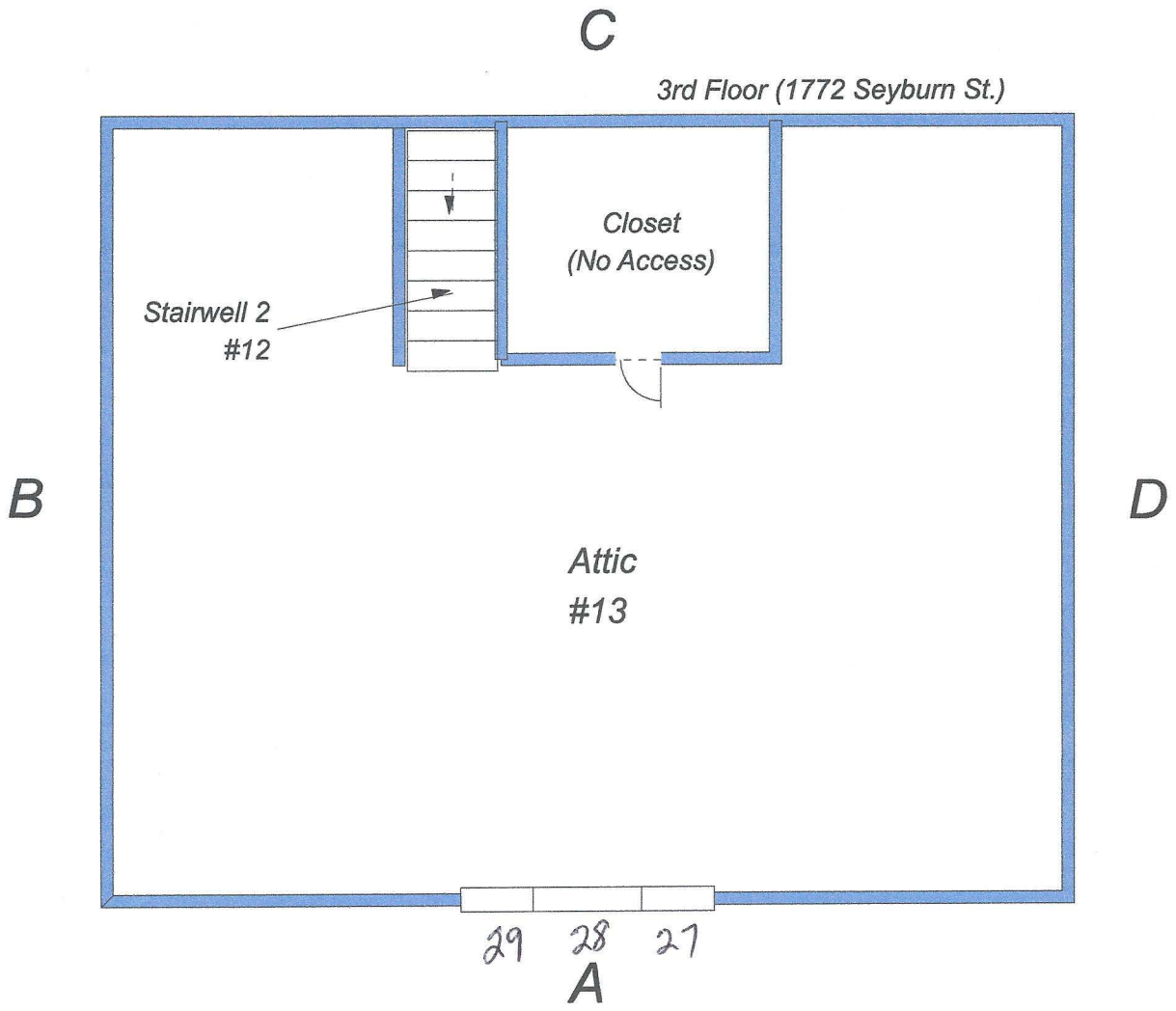
B-3: Floor Plans

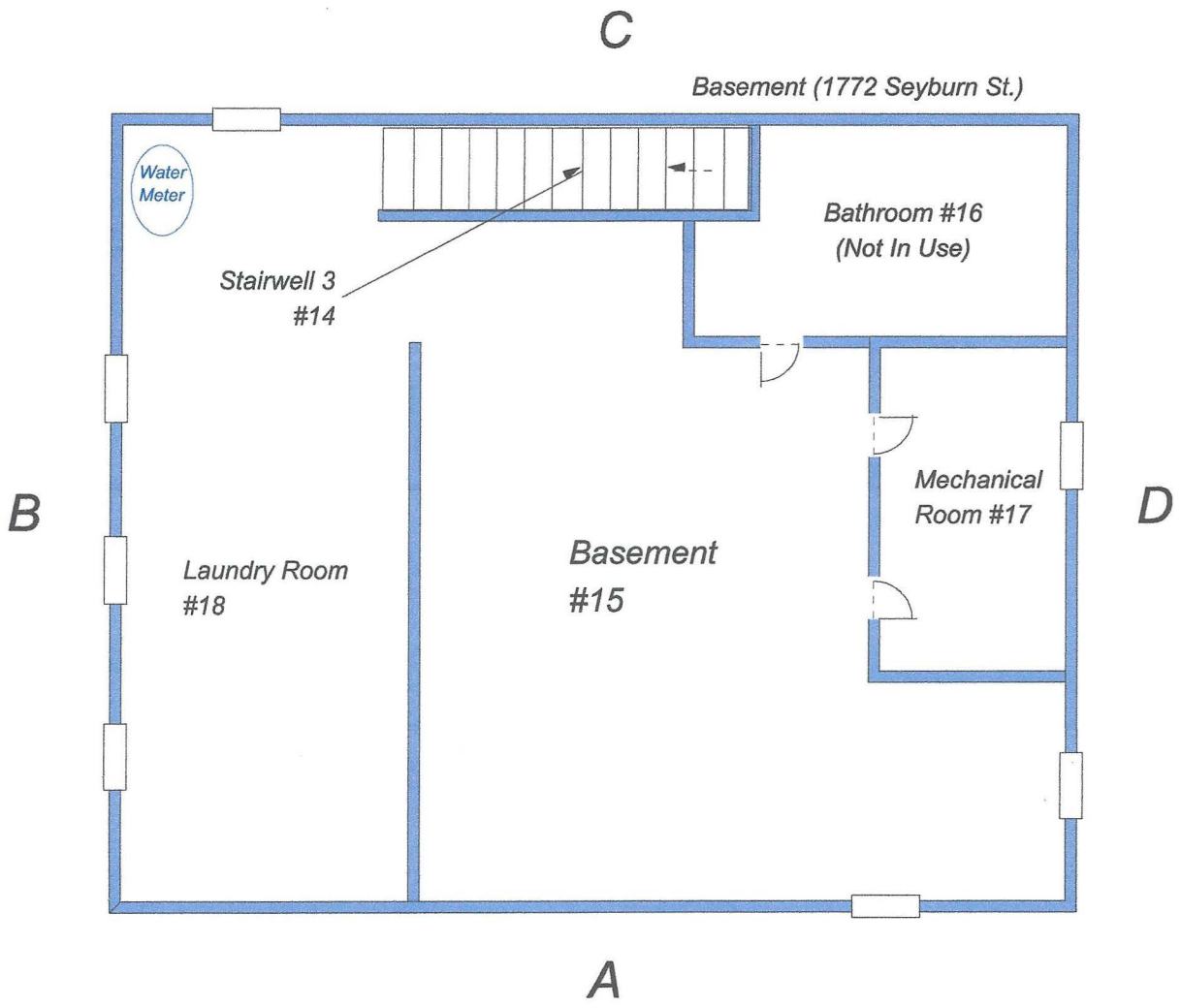
Select a floor

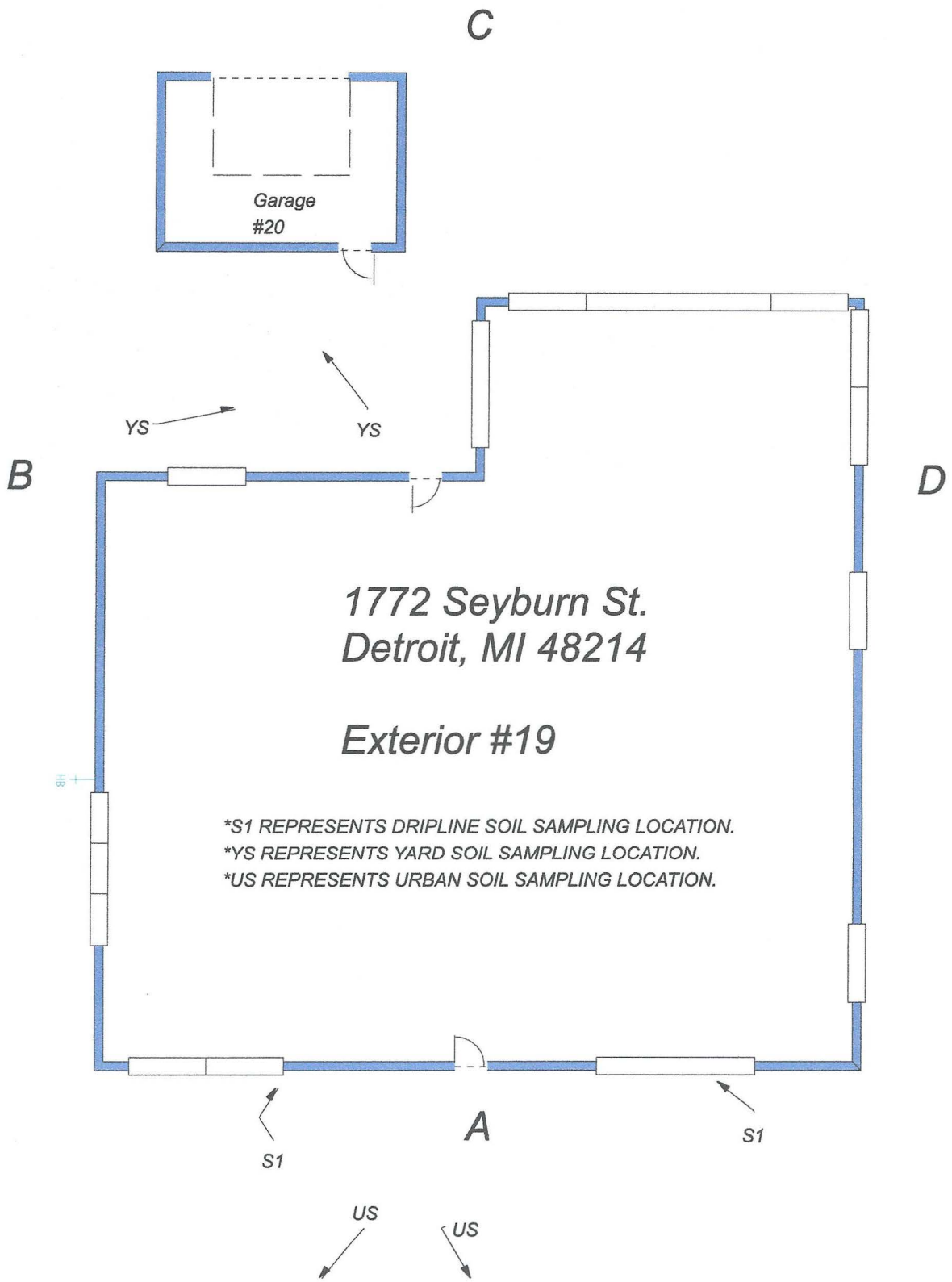


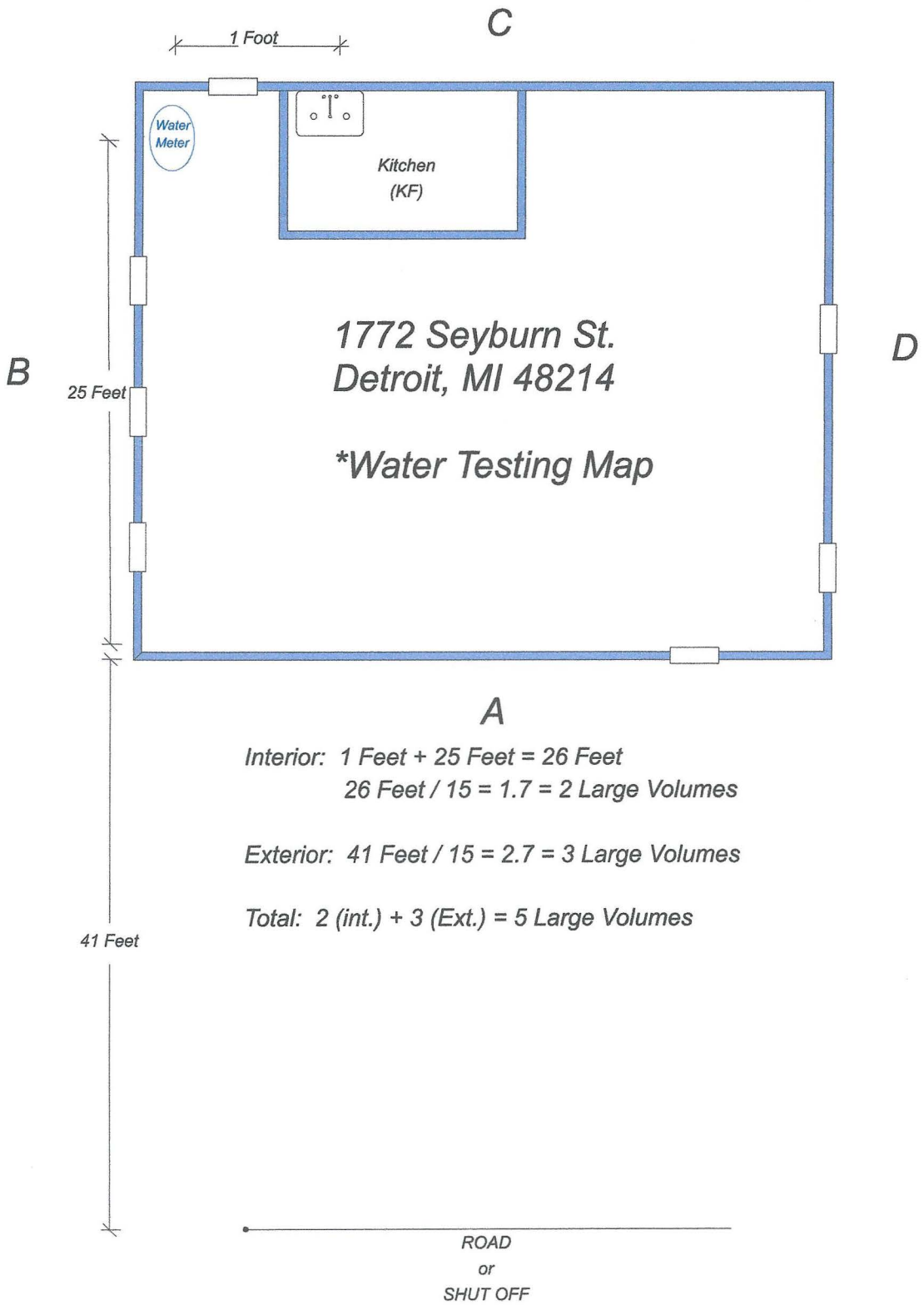

C
1st Floor (1772 Seyburn St.)
Stairwell 3
#14
Enclosed Porch
#5
Kitchen
#3
Closet
B
D
Living Room
#4
Dining Room
#2
Stairwell 1
#6
Foyer
#1
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15


Stairwell 1
#6
C
22
23
24
25
2nd Floor (1772 Seyburn St.)
Closet
Closet
Bathroom
#10
Bedroom 1
#7
21
26
B
D
20
Closet 1
Hallway
#11
Stairwell 2
#12
Cabinet
Closet
Closet 2
Bedroom 3
#9
Bedroom 2
#8
19
18
17
16
A


C
3rd Floor (1772 Seyburn St.)
Closet
(No Access)
Stairwell 2
#12
B
D
Attic
#13
29
28
27
A


C
Basement (1772 Seyburn St.)
Water Meter
Stairwell 3
#14
Bathroom #16
(Not In Use)
B
Laundry Room
#18
Basement
#15
Mechanical
Room #17
D
A


C
Garage
#20
YS
YS
B
D
1772 Seyburn St.
Detroit, MI 48214
Exterior #19
*S1 REPRESENTS DRIPLINE SOIL SAMPLING LOCATION.
*YS REPRESENTS YARD SOIL SAMPLING LOCATION.
*US REPRESENTS URBAN SOIL SAMPLING LOCATION.
A
S1
S1
US
US

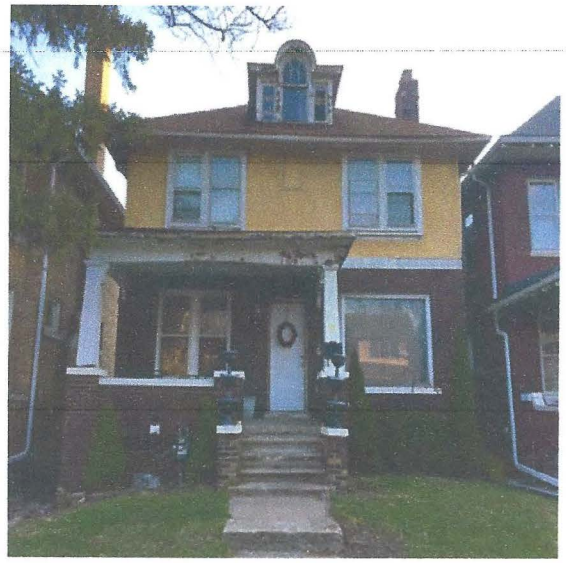


Interior: 1 Feet + 25 Feet = 26 Feet
26 Feet / 15 = 1.7 = 2 Large Volumes

Exterior: 41 Feet / 15 = 2.7 = 3 Large Volumes

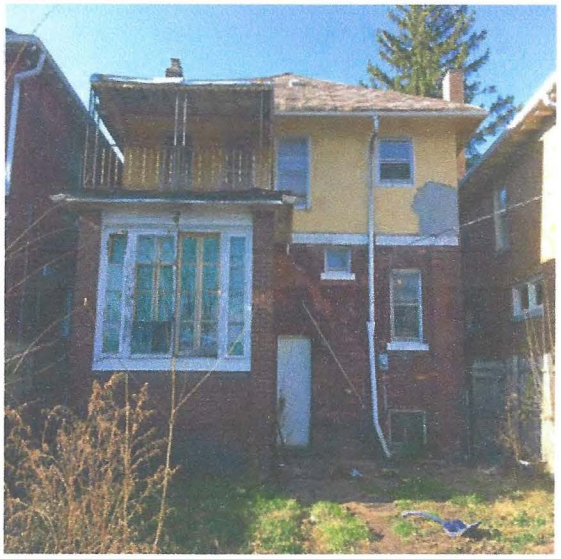
Total: 2 (int.) + 3 (Ext.) = 5 Large Volumes

B-4: Photos

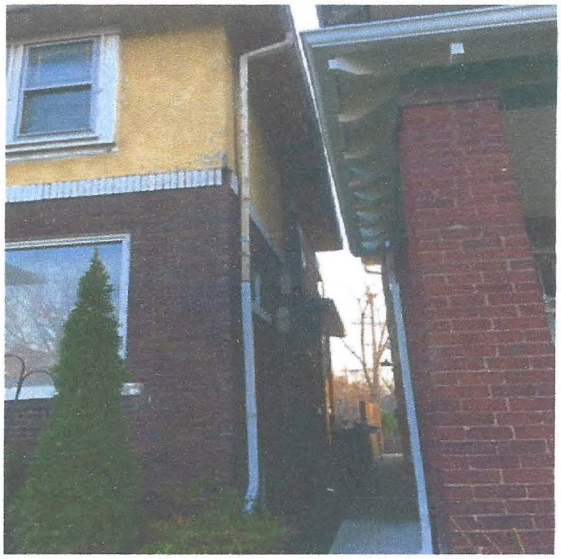


Side A

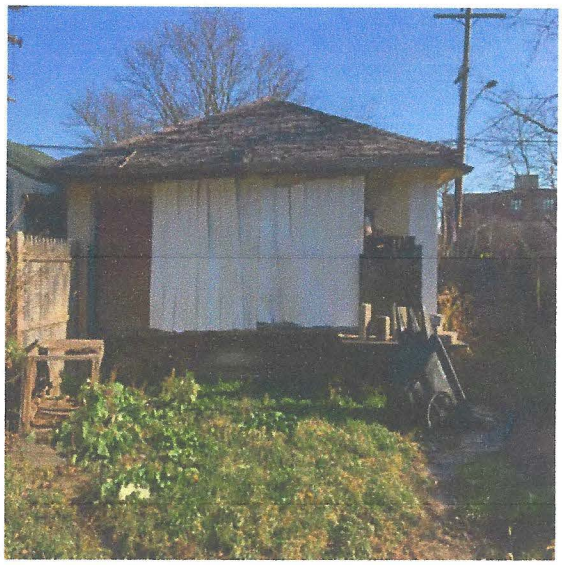
Side B



Side C



Side D



Garage

Roof Soffit Damage

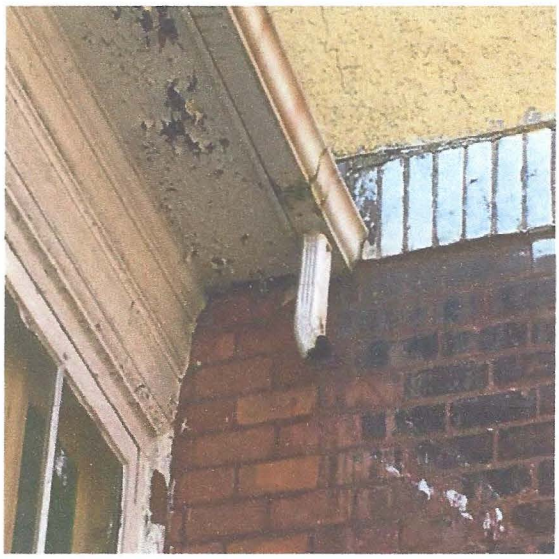
Possible Foundation Damage (Wall A)

Possible Foundation Damage (Wall B)

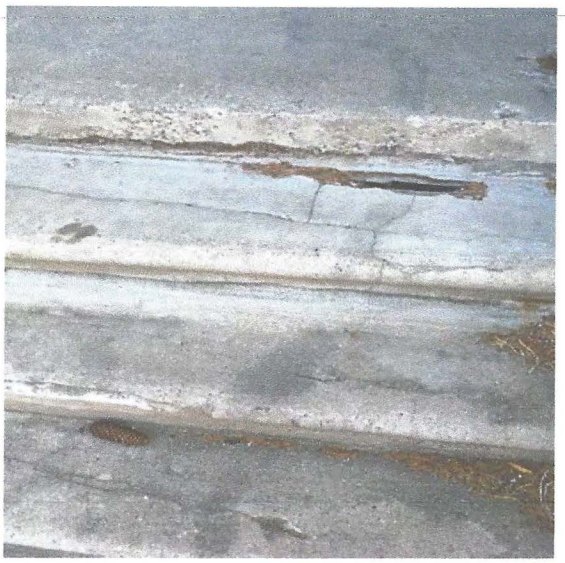
Deteriorated Exterior Walls

Damaged Gutter

Damaged Gutter Downspout Pic 1

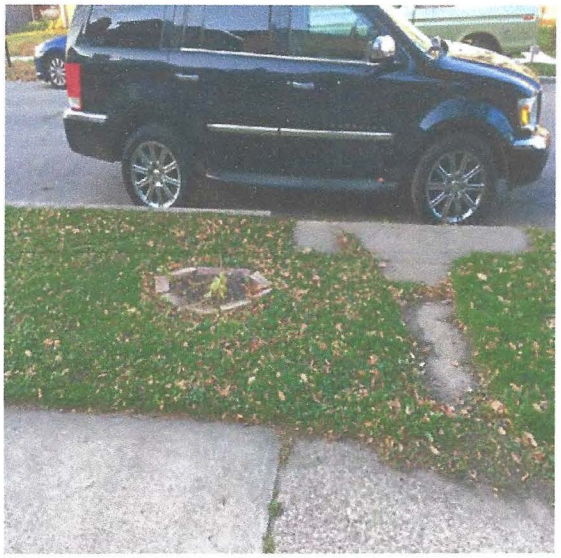


Damaged Gutter Downspout Pic 2



Porch Step Damage (Side A)

Wall A Roof Dormer



Urban Soil (Side A)

Deteriorated Exterior Door Jamb, Lintel & Casing

1772
ASPEN

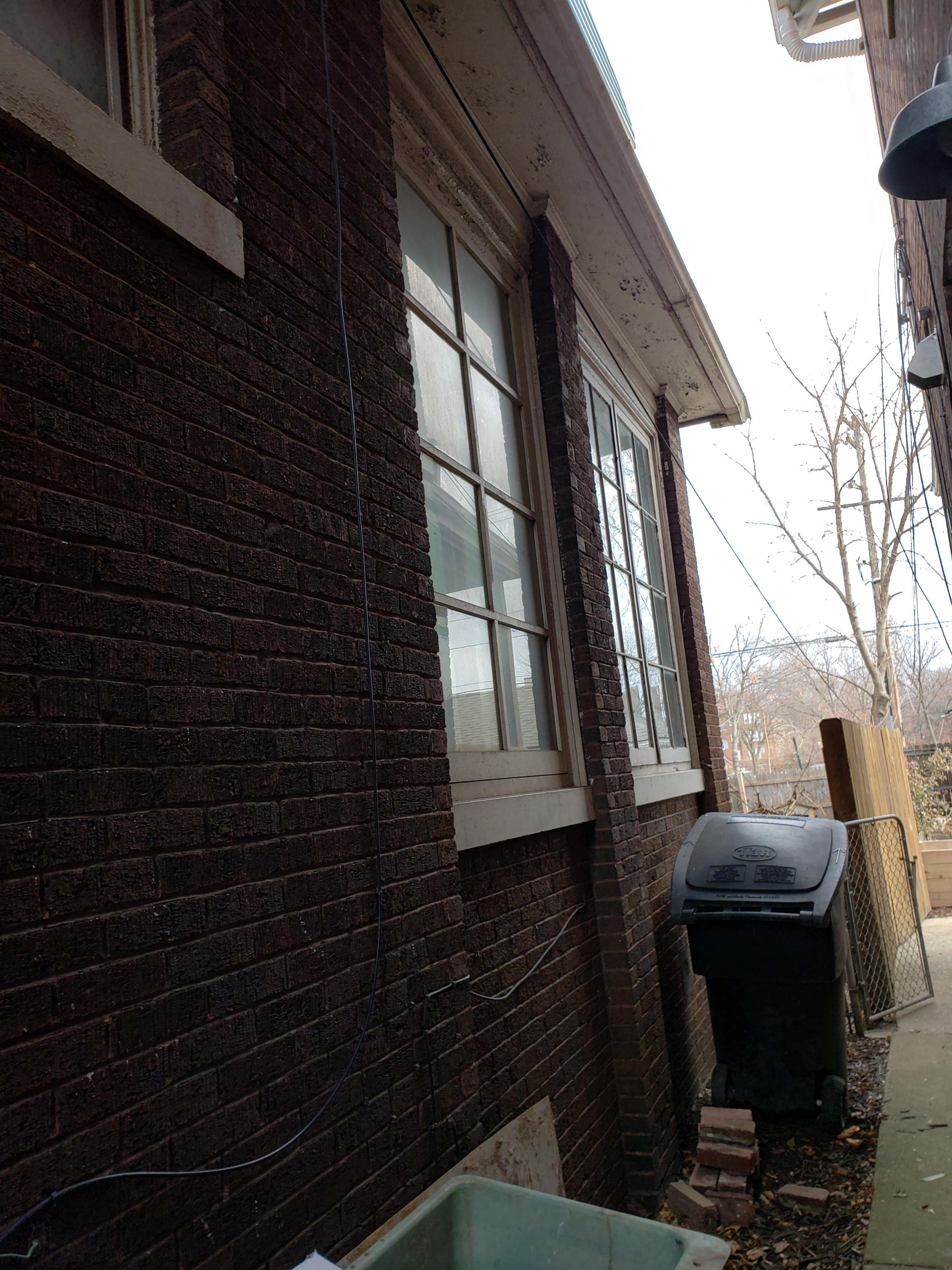
1712

CITY OF DETROIT

CAUTION

WARNING

3x4 VINYL DON'T RUST, DENT OR CRUSH
WHITE VINYL 3x4 RESISTE



Hole in the garage floor

NO
PARKING

00:02

GAF Timberline® High Definition Shingles Brochure

(RESTL100HD)

Updated: 7/16

Quality You Can Trust…From
North America's Largest Roofing Manufacturer!™

gaf.com

GAF®

Quality You Can Trust…From North America's Largest Roofing Manufacturer!™

TIMBERLINE®

LIFETIME HIGH DEFINITION® SHINGLES

AMERICA'S #1-SELLING ROOF

Install Peace Of Mind

Whether you install the ultra-dimensional Timberline Ultra HD® Shingles or the ever-popular Timberline HD® Shingles, you'll be getting all the benefits that only a genuine Timberline® roof can provide!

Weathered Wood

Install To **Protect.**

When you install GAF Timberline® High Definition® Shingles with **Advanced Protection®** Shingle Technology, you're getting the very best combination of weight and performance that modern manufacturing technology can deliver. In fact, you won't find a shingle that surpasses Timberline® on:

- ✔ Toughness
- ✔ Wind uplift resistance
- ✔ Flexibility
- ✔ Fire resistance

That's why every Timberline® High Definition® Shingle comes with GAF's transferable Lifetime ltd. warranty*—for your peace of mind!—plus the backing of the Good Housekeeping Seal.**

*See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions. The word "Lifetime" refers to the length of coverage provided by the *GAF Shingle & Accessory Ltd. Warranty* and means as long as the original individual owner(s) of a single-family detached residence [or the second owner(s) in certain circumstances] owns the property where the shingles are installed. For owners/structures not meeting the above criteria, Lifetime coverage is not applicable.

**Timberline® High Definition® Shingles have earned the prestigious Good Housekeeping Seal, which means that Good Housekeeping stands behind these products. (Refer to Good Housekeeping Magazine for its consumer protection policy. Applicable in U.S. only.)

Install To **Invest.**

Your roof can represent up to 40% of your home's "curb appeal." Timberline® High Definition® Shingles not only protect your most valuable asset but also beautify your home for years to come—and add to its resale value.

Recently, an independent research firm surveyed U.S. homeowners about the brand of architectural shingles they preferred based on appearance. The result: **more homeowners preferred the look of Timberline® High Definition® Shingles** to the other leading brands.[1]

In fact, according to a recent survey conducted by the National Association of REALTORS®, you can increase the value of your home by an average of 5% with a new Timberline® roof![2]

So why settle for anything less than a genuine Timberline® roof?

[1]Based on a 2014 survey of U.S. homeowners commissioned by GAF comparing the appearance of two popular Timberline® High Definition® Shingle colors to the comparable colors of other leading brands.

[2]2013 National Association of REALTORS® survey commissioned by GAF of REALTOR® Appraisers and Non-Appraisers in the U.S.; response based on REALTOR® Appraisers that have had professional experience buying or selling a home with Timberline® Shingles in the three years preceding the survey and felt they could provide an estimated value increase for a home with a Timberline® roof as compared to a home with a basic three-tab shingle roof.

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

Install To **Impress.**

Timberline® High Definition® Shingles are unlike any others, thanks to our proprietary shadow bands. Each shadow band is applied using a sophisticated, computer-controlled "feathering" technique. When combined with our randomly blended top layer, it results in a shingle with exceptional depth and dimension—**and a striking look unmatched by any other brand.**

But don't just take our word for it. See for yourself. When you compare Timberline® High Definition® Shingles to typical architectural shingles, it's easy to see why they'll look sharper and more beautiful on your roof—while enhancing the resale value of your home.

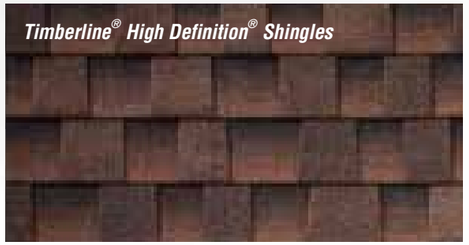
Whatever you're looking for, there's a Timberline® Shingle to fit your taste and your budget.

Here's What Female Homeowners Have To Say...

GAF recently received the Women's Choice Award for being the brand that is a "gold standard when it comes to meeting **high standards of quality and service**," as rated by female homeowners in the U.S.

See the difference...

Another Major Brand



Timberline® High Definition® Shingles

The color blends on Timberline® High Definition® Shingles are sharp and well defined—to give your roof maximum dimensionality and depth. Color shown: Hickory

Timberline®—North America's **#1-Selling** Shingles!

NATIONAL ROOFING CONTRACTORS ASSOCIATION MEMBER

GAF Shingles are the #1 Choice of Professional Contractors in the United States

Timberline Ultra HD®

Shingles

GAF

Shown: Timberline Ultra HD® in Slate

Our thickest, most dimensional Timberline® Shingle.

Timberline Ultra HD® Shingles will cost you just pennies-a-day more than standard architectural shingles. In return, you can enjoy a thicker, ultra-dimensional wood-shake look for your roof.

Extra-thick layers make Timberline Ultra HD® Shingles up to 53% thicker than standard architectural shingles for a natural dimensional beauty that you'll notice and appreciate.*

(Not to mention they can increase the resale value of your home!)

*Comparison refers to Timberline HD® Shingles. Thickness varies by plant; see actual shingles for comparison.

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

TIMBERLINE ULTRA HD®
LIFETIME HIGH DEFINITION® SHINGLES

Timberline HD®
Shingles

GAF

Shown: Timberline HD® in Mission Brown (Regional color)

Timberline® HD: North America's #1-selling shingle

More homeowners in North America choose **Timberline HD®** Shingles than any other brand. They offer just the right combination of beauty, performance, and reliability—and are the best value in roofing today.

When you install Timberline HD® Shingles, you'll be installing the brand that professional installers have long preferred for its rugged, dependable performance—thanks to **Advanced Protection® Shingle Technology**. And you'll be getting your own genuine Timberline® roof!

TIMBERLINE HD®
LIFETIME HIGH DEFINITION® SHINGLES

Timberline Ultra HD® and Timberline HD® Shingles Provide These Unique **Benefits**

- Beautiful Look... Features GAF's proprietary color blends and enhanced shadow effect for a genuine wood-shake look.
- Highest Roofing Fire Rating... UL Class A, Listed to ANSI/UL 790.
- High Performance... Designed with Advanced Protection® Shingle Technology, which reduces the use of natural resources while providing excellent protection for your home (visit gaf.com/APS/to learn more).
- Stays In Place... Dura Grip™ Adhesive seals each shingle tightly and reduces the risk of shingle blow-off. Shingles warranted to withstand winds up to 130 mph.[1]
- Peace Of Mind... Lifetime ltd. transferable warranty with Smart Choice® Protection (non-prorated material and installation labor coverage) for the first ten years.[2]
- Perfect Finishing Touch... Use Timbertex® Premium Ridge Cap Shingles or Ridglass® Premium Ridge Cap Shingles.[3]

[1] This wind speed coverage requires special installation; see *GAF Shingle & Accessory Ltd. Warranty* for details.

[2] See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions. The word "Lifetime" refers to the length of coverage provided by the *GAF Shingle & Accessory Ltd. Warranty* and means as long as the original individual owner(s) of a single-family detached residence [or the second owner(s) in certain circumstances] owns the property where the shingles are installed. For owners/structures not meeting the above criteria, Lifetime coverage is not applicable.

[3] These products are not available in all areas. See www.gaf.com/ridgecapavailability for details.

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

SHINGLE & ACCESSORY LTD. WARRANTY Lifetime LTD. WARRANTY TERM

QUALITY TESTED · GOOD · HOUSEKEEPING Since ★ 1909 LIMITED WARRANTY · ghseal.com for details

HICKORY

Hickory is an inviting brown shade that has the added element of a red undertone, giving it a rich look. It's an excellent companion to both brick and stone homes that have shades of red or terra cotta. You'll also love how this color looks on homes with warm neutrals of brown and beige as well as with yellows and golds.

"It looks GREAT! My wife loves the color, and I love the Lifetime ltd. warranty."

—Kevin McGrath, Dawsonville, GA

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

Color Availability

Most Popular (Available Nationwide)

Barkwood

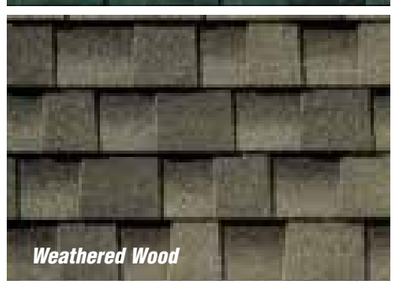
Charcoal

Hickory

Hunter Green

Shakewood

Slate


Weathered Wood

Regional (See Color Availability Chart On Next Page For Details)

Birchwood[1]

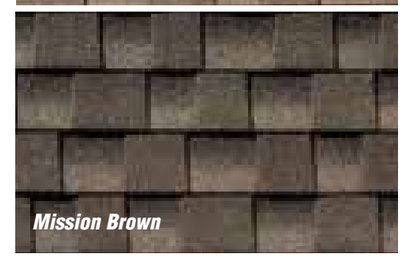
Biscayne Blue

Copper Canyon[1]

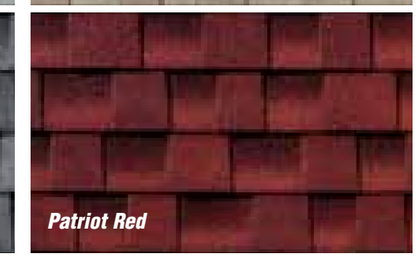
Driftwood

Fox Hollow Gray

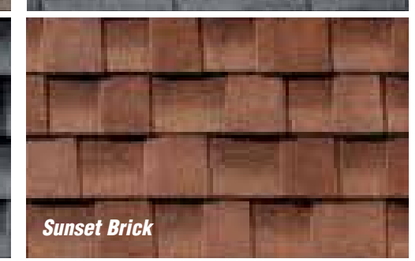
Golden Amber[1,2]


Mission Brown

Oyster Gray


Patriot Red

Pewter Gray


Sunset Brick

White[1,3]

Williamsburg Slate

NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

[1] Rated by the Cool Roof Rating Council (CRRC), can be used to comply with Title 24 roofing product requirements, and meets the Los Angeles Green Building Code.
[2] Limited availability.
[3] Timberline HD® White is ENERGY STAR® certified (U.S. only).

We can help you choose the right shingle for your roof!

Try GAF's Virtual Home Remodeler at gaf.com. Visualize GAF Shingles on a house like yours—or upload and decorate your own house. Try different siding, trim, and brick colors. It's fun!

Color
Availability Chart

TIMBERLINE® LIFETIME HIGH DEFINITION® SHINGLES

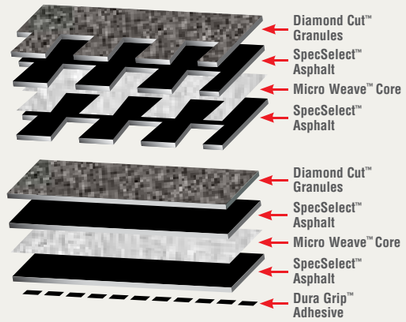
	Ask your contractor which of these GAF plants supplies the shingles in your area...						
	Baltimore/ Myerstown	Dallas/ Ennis	Michigan City	Minneapolis	Shafter	Tampa	Tuscaloosa
Most Popular Colors:							
Barkwood	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
Charcoal	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
Hickory	● ▲	●	● ▲	● ▲	● ▲	●	●
Hunter Green	● ▲	●	●	● ▲	●	●	●
Shakewood	● ▲	●	● ▲	● ▲	● ▲	● ▲	● ▲
Slate	● ▲	● ▲	● ▲	●	● ▲	● ▲	● ▲
Weathered Wood	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
Regional Colors:							
Birchwood[1]			●	●	● ▲	●	●
Biscayne Blue	● ▲						
Copper Canyon[1]					●		
Driftwood						●	●
Fox Hollow Gray	● ▲		●	●			
Golden Amber[1,2]					●		
Mission Brown	●	●	●	●	●		
Oyster Gray	●						
Patriot Red	● ▲		▲	▲			
Pewter Gray	● ▲	●	● ▲	● ▲	●[2]	▲	● ▲
Sunset Brick						●	
White[1,3]						●	●
Williamsburg Slate	●		●				

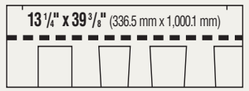
Product Key:	
● – Timberline HD®	▲ – Timberline Ultra HD®

LEARN MORE AT energystar.gov

[1] Rated by the Cool Roof Rating Council (CRRC), can be used to comply with Title 24 roofing product requirements, and meets the Los Angeles Green Building Code.
[2] Limited availability.
[3] Timberline HD® White is ENERGY STAR® certified (U.S. only). For complete product specifications, visit gaf.com.

The many protective layers of a **Timberline®** High Definition® Shingle





- Fiberglass asphalt shingle
- Lifetime ltd. transferable warranty[1]
- Smart Choice® Protection for the first 10 years[1]
- 130 mph ltd. wind coverage[2]
- UL Listed to ANSI/UL 790 Class A
- Passes ASTM D7158, Class H
- ASTM D3161, Type 1, Class F
- StainGuard® protection[3]
- ENERGY STAR® certified (White only)[4]
- CSA A123.5[5]
- ASTM D3018, Type 1
- ASTM D3462[6]
- Miami-Dade County Product Control approved[7]
- Florida Building Code approved
- Texas Department of Insurance[7]
- ICC approved[7]
- Classified in accordance with ICC-ES AC438
- Approximately 64 Pieces/Square
- Approximately 3 Bundles/Square (Timberline HD®)
- Approximately 4 Bundles/Square (Timberline Ultra HD®)
- Approximately 256 Nails/Square
- 5 5/8" (142.88 mm) exposure

[1] See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions. The word "Lifetime" refers to the length of coverage provided by the *GAF Shingle & Accessory Ltd. Warranty* and means as long as the original individual owner(s) of a single-family detached residence [or the second owner(s) in certain circumstances] owns the property where the shingles are installed. For owners/structures not meeting the above criteria, Lifetime coverage is not applicable.
[2] Requires special installation; see *GAF Shingle & Accessory Ltd. Warranty* for details.
[3] StainGuard® protection applies only to shingles with StainGuard® -labeled packaging. See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions.
[4] ENERGY STAR® certified in U.S. only.
[5] Refers to shingles sold in Canada only.
[6] Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.
[7] Applies to some plants.

SHINGLE & ACCESSORY LTD. WARRANTY Lifetime LTD. WARRANTY TERM

Stain Guard® ALGAE DISCOLORATION LIMITED WARRANTY 3

Color&Style
Expert Advice By Patricia Verlodt

"Color & style go hand in hand when considering what shingle to use on your roof"

The color and style of your shingle are important! After all, your roof represents up to 40% of your home's curb appeal, so it will always have a big impact on your home's overall look.

When you look at home exterior color trends, you'll notice that they're typically much more muted than the color trends you see in fashion; for example, if bold greens are in the fashion magazines, you might see the introduction of new home exterior palettes in warm, earthy green tones. Why? Because bold green might not be "in" two years from now (likely not), but you will still have the same roof. Color choices in exteriors are long-term decisions, so make sure the palette that you select is not only one that fits your personality and taste today but also one that you'll enjoy ten years down the road.

- Observe how much of your roof is visible from the street or common view. A larger roof looks best in neutral tones. If the roof angle is normal or slight, you can use more colorful shingles or interesting patterns.
- Use colors in the same color family as the body of your house for a simple, non-accented combination. An example is a gray roof on a gray house, whether light or dark gray. Trim in white or black will keep it understated.
- Use bright colors to make a design statement. For example, a green roof on a red brick house or a red roof on a gray house.
- And remember, follow your instinct. Choose the color and style that make you comfortable. After all, you're the one looking at it every time you come home!

When it comes to the style of your shingle, it's important to think about the overall look and shape of your home. If your roof has a low pitch, the shingle profile will be more important than the shape; for a roof with a steep pitch, a unique design or color pattern may be more important. If you have a large roof surface, you don't want the color pattern of your shingle to be too busy (it can be overwhelming!). On the other hand, a larger surface gives you a great opportunity to really change your home's look. So, make sure the design and color you select integrate extremely well with the rest of your house.

- Choose a shingle that complements your home's architectural style. For example, for a Colonial home, select a shingle with a clean line that complements the home's design. A Victorian house could take on a more colorful or complex design.
- The use of colors and textures can create a comfortable feel for your residence. For example, if focusing on the exterior of a Shingle Style home, adding color and textured design elements make the home much more approachable.

Patricia Verlodt has been responsible for coloring products for many Fortune 500 companies; she has a specialty in exterior products. Her work has been featured in major newspapers as well as in many magazines such as *Real Simple, Better Homes and Gardens*, and *Forbes*.

GAF

Quality You Can Trust...From North America's Largest Roofing Manufacturer!™

gaf.com

More Than Just Coverage On Your Shingles!

Get **Automatic Lifetime Protection** On Your Entire GAF Roofing System!*

When you install any GAF Lifetime Shingle and at least 3 qualifying GAF accessories, you'll automatically get:

- A Lifetime ltd. warranty on your shingles and all qualifying GAF accessories!*
- Non-prorated coverage for the first 10 years!*

ADVANCED PROTECTION™ TECHNOLOGY

LIFETIME SHINGLES

GAF offers you many great Lifetime Shingle choices, including **Timberline®** Shingles with Advanced Protection® Shingle Technology. They're the #1-selling shingles in North America!

Advanced Protection® Shingle Technology provides excellent protection for your home while reducing the use of precious natural resources. That's better for your home—and better for the environment!

To learn more about why Advanced Protection® Shingles are your best choice, visit **gaf.com/APS/.**

Cobra® Attic Ventilation

Helps remove excess heat and moisture from your attic to promote energy efficiency in your home and help extend the life of your roof.

Roof Deck Protection

Provides an exceptionally strong layer of protection against wind-driven rain; some even allow moisture to escape from your attic. Also, lies flatter for a better-looking roof.

Leak Barrier

Provides exceptional protection against leaks caused by roof settling and extreme weather. Ideal upgrade at all vulnerable areas (including at the eaves in the North†).

Starter Strip Shingles

Saves time, eliminates waste, and reduces the risk of blow-off...and may even help qualify for upgraded wind warranty coverage (see *GAF Shingle & Accessory Ltd. Warranty* for details).

Ridge Cap Shingles

Enhances the beauty of your home while guarding against leaks at the hips and ridges.

†In the North, most building codes require the use of Leak Barrier at the eaves.

SHINGLE & ACCESSORY LTD. WARRANTY
Lifetime
LTD. WARRANTY TERM

*See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions. The word "Lifetime" refers to the length of coverage provided by the *GAF Shingle & Accessory Ltd. Warranty* and means as long as the original individual owner(s) of a single-family detached residence [or the second owner(s) in certain circumstances] owns the property where the shingles and accessories are installed. For owners/structures not meeting the above criteria, Lifetime coverage is notapplicable. Lifetime ltd. warranty on accessories requires the use of at least three qualifying GAF accessories and the use of Lifetime Shingles.

GAF IS 100% AMERICAN OWNED · CREATING AMERICAN JOBS

QUALITY TESTED · GOOD HOUSEKEEPING · Since 1909 · LIMITED WARRANTY · ghseal.com for details

The GAF Lifetime Roofing System has earned the prestigious Good Housekeeping Seal, which means that Good Housekeeping stands behind the products in this system. (Refer to Good Housekeeping Magazine for its consumer protection policy. Applicable in U.S. only.)

SALES OFFICES:

NORTHEAST	CENTRAL	SOUTHEAST	SOUTHWEST	WEST	CANADA	WORLD HQ
717-866-8392	630-296-1980	813-829-8880	972-851-0500	800-445-9330	855-492-8085	973-628-3000

Printed with 100% renewable energy and soy-based ink

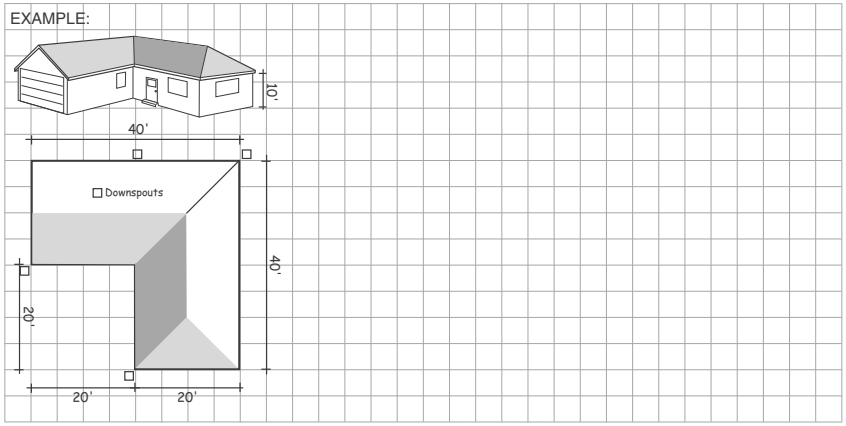
©2016 GAF 7/16 #027 1 Campus Drive, Parsippany, NJ 07054 298302-0116 RESTL100HD

INSTALLING METAL GUTTER SYSTEMS

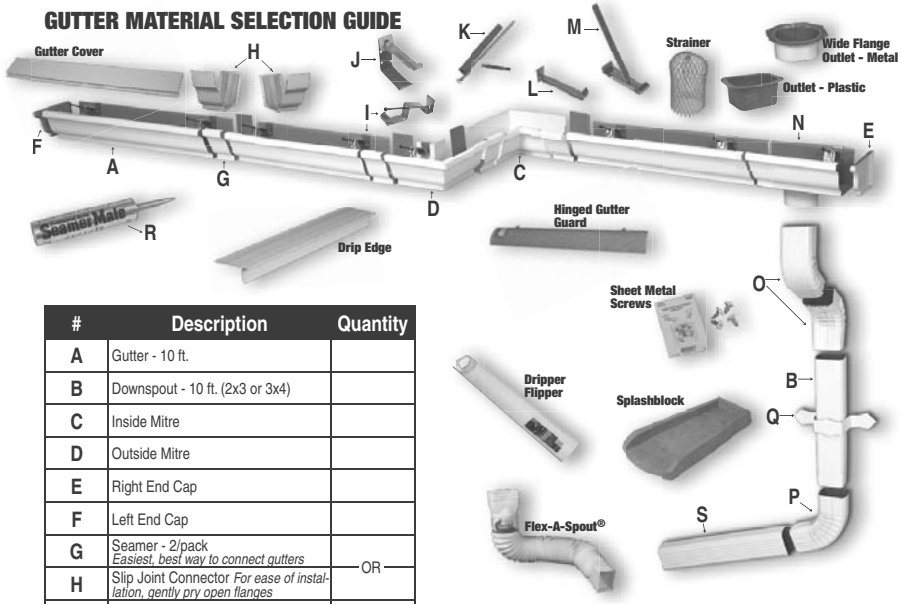
INSTRUCCIONES EN ESPAÑOL EN EL REVERSO

PLANNING - Measure Roof Line and Locate Downspouts

Use chart to fill in quantity of each item needed to complete your job. (Note: Stores may not stock every item listed below)



GUTTER MATERIAL SELECTION GUIDE



#	Description	Quantity
A	Gutter - 10 ft.	
B	Downspout - 10 ft. (2x3 or 3x4)	
C	Inside Mitre	
D	Outside Mitre	
E	Right End Cap	
F	Left End Cap	
G	Seamer - 2/pack *Easiest, best way to connect gutters*	OR
H	Slip Joint Connector *For ease of installation, gently pry open flanges*	
I	Hidden Hanger with Screw	OR
J	Fascia Bracket or Snap Lok Fascia Bracket	OR
K	Screw or Spike & Ferrule	OR
L	Hidden Hanger	OR
M	Hidden Hanger with Roof Strap	
N	End Drop	
O	Front "A" Elbow (2x3 or 3x4)	
P	Side "B" Elbow (2x3 or 3x4)	
Q	Downspout Band *Metal or Plastic*	
R	SeamerMate®	
S	Downspout Extension	

#	Description	Quantity
	Wide Flange Outlet *Metal or Plastic*	
	Strainer	
	Hinged Gutter Guard	OR
	Gutter Guard and Cover 3 ft. & 4 ft.	
	Drip Edge - 10 ft.	
	Splashblock	OR
	Dripper Flipper	OR
	FLEX-A-SPOUT® - Extends to 55 in.	
	Sheet Metal Screws - 8 pack	

TOOLS REQUIRED

Eye protection, pencil, tape measure, string, level, hack saw, drill, screwdriver, hammer, pliers, ladder, tin snips and gloves.

1 MEASURE:

REMOVE old gutters and inspect fascia board. REPLACE IF NEEDED. Tack a string to fascia board and level (A). Lower string approximately ¼ in. for every 10 ft. of gutter and retack string. This is sloped toward downspout. If your house has drip edge, slip gutter under drip edge. (Fig. 1.1)

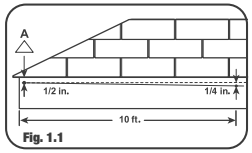


Fig. 1.1

2 ASSEMBLE GUTTER:

5 inch Gutter: Begin at end of gutter run, opposite downspout end. Apply SeamerMate™ to end cap. Attach to end of gutter. Join gutter lengths using Seamers - (directions printed on bag) or Slip Joint Connectors (for ease of installation, gently pry open flanges) (Fig. 2.1a)

6 inch Gutter: Gutters connect by cutting 3 in. off top lip and sliding together. (Fig. 2.1b)

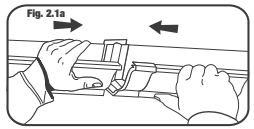


Fig. 2.1a

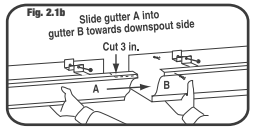


Fig. 2.1b

3 INSTALLING HANGERS:

Use one hanger every 24 in. or every 18 in. for heavy ice & snowload areas. (Fig. 3.1)

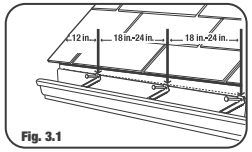


Fig. 3.1

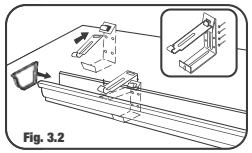


Fig. 3.2

Fascia Bracket or Snap Lok Bracket

Fascia Bracket: 4 per pack, includes hanging nails. Nail along guide string every 24 in. Snap Lok Fascia Bracket: 4 per pack, Nails or screws required. (Fig. 3.2)

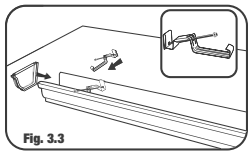


Fig. 3.3

Hidden Hanger with Screw

Power drive ¼ in. hex head screw into fascia board. (Fig. 3.3)

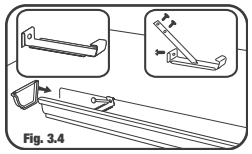


Fig. 3.4

Hidden Hanger or Hidden Hanger with Roof Strap

Hidden Hanger: Requires nails or screws. Hidden Hanger with Roof Strap: Only use when no fascia board exists. (Fig. 3.4)

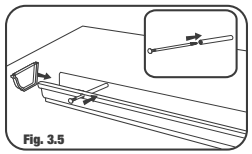


Fig. 3.5

Screw or Spike and Ferrule

Insert ferrule into gutter and fasten screw or spike through gutter, ferrule and fascia board. (Fig. 3.5)

4 ATTACHING MITRES:

For a corner, use a mitre attached to gutter with seamers or slip joints. Apply SeamerMate® to inside mitre joint and all connecting points as illustrated. (Fig. 4.1)

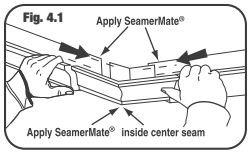


Fig. 4.1

5 ATTACHING DOWNSPOUTS:

To connect the gutter to the downspout use either an outlet or an end with drop. For the end with drop, connect to the gutter with a Seamer or slip joint connector. Apply Seamermate™ to end with drop and joint as instructed. If at the end of a run, seal with SeamerMate™ and an end cap. To use an outlet, first make a hole in the gutter for the outlet. Trace the opening of the outlet on the outside of the gutter, drill a hole and cut with tin snips (Fig. 5.1).

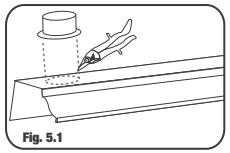


Fig. 5.1

Each downspout and elbow has one end crimped. Parts are joined by fitting the larger end of one over the smaller end of the other, forcing them together tightly. Downspouts should fit snug against the wall. Use sheet metal screws to secure downspouts and elbows. Attach a front or side elbow at the downspout's bottom to direct water away from the foundation. (Fig. 5.2)

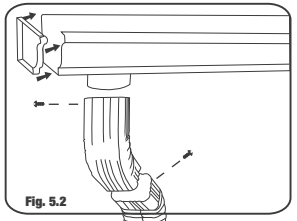


Fig. 5.2

Fasten downspouts against wall with 2 bands per 10 ft. section using nails or screws. (Fig. 5.3)

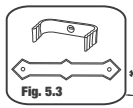


Fig. 5.3

Use a Downspout Extension, Splashblock, Dripper Flipper, or Flex-A-Spout® to get water further away from the foundation. (Fig. 5.4)

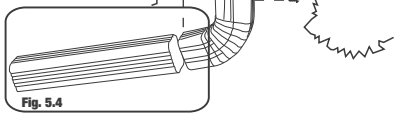


Fig. 5.4

NOTE:

- **2" x 3" downspouts drain 186 gallons per minute**
- **3" x 4" downspouts drain 434 gallons per minute**

Increasing the size of downspouts or number of downspouts is recommended for wide roof areas, heavy downpour areas, and for gutter systems that overflow.

6 INSTALLING DRIP EDGES:

Help direct roof run-off into gutters. To install, lift shingles and insert drip edge under shingles. Push back until drip edge projects approx. ½ in. beyond fascia. Nail under shingles every 5 ft. (Fig. 6.1)

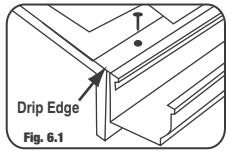


Fig. 6.1

Amerimax Home Products, Inc.™

(800) 347-2586

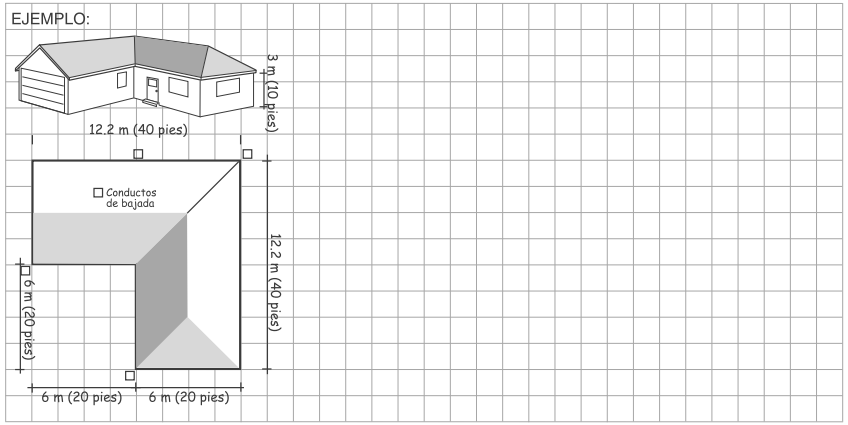
www.amerimax.com

CÓMO INSTALAR CANALES DE DESAGÛE DE METAL

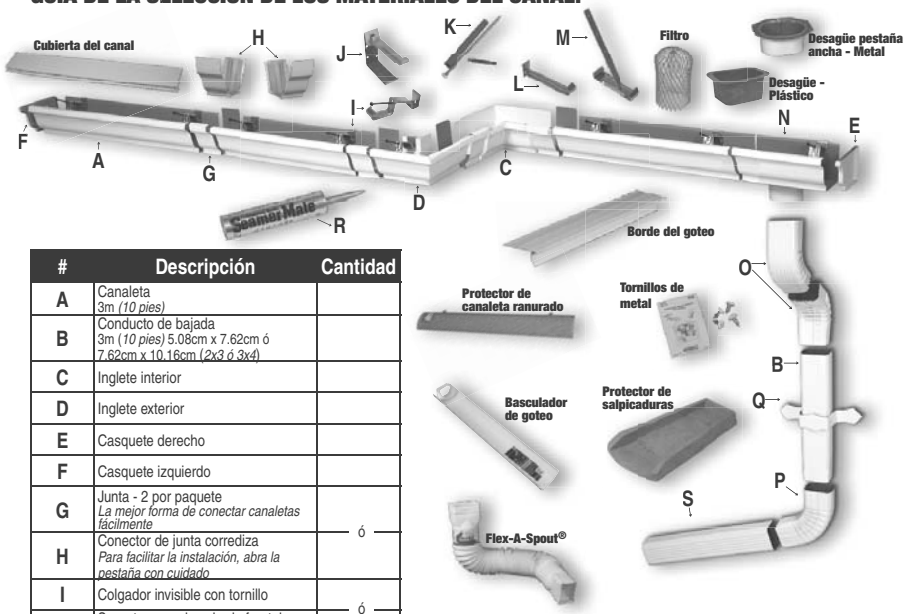
OVER FOR INSTRUCTIONS IN ENGLISH

PLANEAMIENTO - Medición De La Línea Del borde del techo Y Ubicación De Los Conductos De Bajada

Use la tabla para llenar la cantidad de artículos que necesita para completar su trabajo. (Nota: Puede que las tiendas no tenga todos los artículos enumerados abajo)



GUÍA DE LA SELECCIÓN DE LOS MATERIALES DEL CANAL:

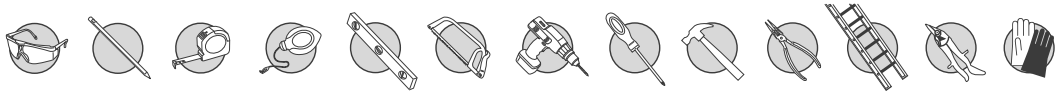


#	Descripción	Cantidad
A	Canaleta 3m *(10 pies)*	
B	Conducto de bajada 3m (*10 pies)* 5.08cm x 7.62cm ó 7.62cm x 10.16cm (*2x3 ó 3x4*)	
C	Inglete interior	
D	Inglete exterior	
E	Casquete derecho	
F	Casquete izquierdo	
G	Junta - 2 por paquete *La mejor forma de conectar canaletas fácilmente*	ó
H	Conector de junta corrediza *Para facilitar la instalación, abra la pestaña con cuidado*	
I	Colgador invisible con tornillo	ó
J	Soporte para el acabado frontal del techo o *Soporte a resorte para el acabado*	ó
K	Tornillo o Clavo y Varilla	ó
L	Colgador invisible	ó
M	Colgador invisible con abrazadera de fijación	
N	Colector de agua	
O	Codo frontal "A" 5.08cm x 7.62cm ó 7.62cm x 10.16cm (*2x3 ó 3x4*)	
P	Codo lateral "B" 5.08cm x 7.62cm ó 7.62cm x 10.16cm (*2x3 ó 3x4*)	
Q	Abrazadera del conducto de bajada *Metal o plástico*	
R	Pegamento SeamerMate®	
S	Extensión del conducto de bajada	

#	Descripción	Cantidad
	Tubo de salida de pestaña ancha *Metal o plástico*	
	Filtro	
	Protector de canaleta ranurado	ó
	Protector y cubierta de canaleta de 91 cm y 120 cm (*3 pies y 4 pies*)	
	Borde de desagüe - 3m (*10 pies*)	
	Protector de salpicaduras	ó
	Basculador de goteo	ó
	Conexión FLEX-A-SPOUT® - Se extiende hasta 1.4 m (*55 po*)	
	Tornillos de metal - 8 por paquete	

HERRAMIENTAS:

Protección ocular, lápiz, cinta métrica, cuerda, nivel, sierra del corte, taladro, destornillador, martillo, alicates, escalera, tijeras para hojalata y guantes.



1 CÓMO MEDIR:

REMUEVA las canaletas usadas e inspeccione el acabado frontal del techo. REMPLACE SI FUERA NECESARIO. Clave una cuerda en el acabado y nivele (A). Baje la cuerda aproximadamente 6 mm (¼ po) por cada 3 m (10 pies) de canaleta y vuelva a clavar la cuerda. Ésta se inclina hacia el conducto de bajada. Si el techo tiene bordes de desagüe, deslice la canaleta debajo del borde. (Fig. 1.1)

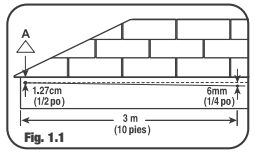


Fig. 1.1

2 CÓMO ENSAMBLAR LA CANALETA:

Canaleta de 12.7 cm (5 po): Empiece por el extremo de la canaleta, opuesto al extremo del conducto de bajada. Aplique SeamerMate® al casquete. Fije al extremo de la canaleta. Una las canaletas utilizando Seamers (siga las instrucciones impresas en la bolsa) o conectores de juntas corredizas (para facilitar la instalación, abra suavemente las pestañas). (Fig. 2.1a)

Canaleta de 15 cm (6 po): Las canaletas se conectan cortando 7.5 cm (3 po) del borde superior y deslizando una en la otra. (Fig. 2.1b)

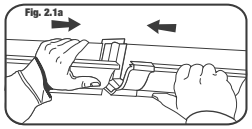


Fig. 2.1a

Fig. 2.1b

3 CÓMO INSTALAR LOS COLGADORES:

Utilice un colgador cada 61 cm (24 po) o cada 46 cm (18 po) en las áreas que reciben mucha nieve o mucho hielo. (Fig. 3.1)

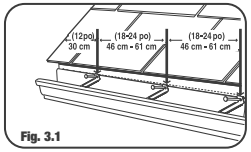


Fig. 3.1

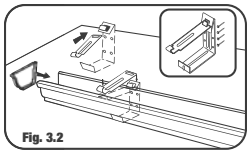


Fig. 3.2

Soporte para el acabado frontal del techo o soporte a resorte

Soporte: 4 por paquete, incluye clavos. Clave a lo largo de la cuerda cada 60 cm.
Soporte a resorte: 4 por paquete. Requiere clavos o tornillos. (Fig. 3.2)

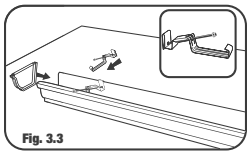


Fig. 3.3

Colgador invisible con tornillo

Coloque un tornillo de cabeza hexagonal de 6 mm (¼ po) en el acabado frontol del techo. (Fig. 3.3)

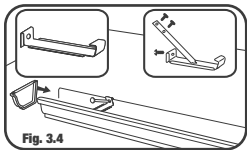


Fig. 3.4

Colgador invisible o Colgador invisible con abrazadera de fijación

Colgador invisible: Se requiere clavos o tornillos.
Colgador invisible con abrazadera de fijación: Utilice solamente si el techo no tiene acabado frontal. (Fig. 3.4)

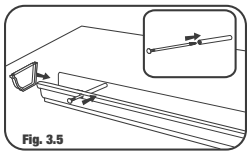


Fig. 3.5

Tornillo o Clavo y Varilla

Inserte la varilla en la canaleta y ajuste con un tornillo o clavo a través de la canaleta, varilla y el acabado frontal del techo. (Fig. 3.5)

4 CÓMO UNIR LOS INGLETES:

Para una esquina, utilice un inglete unido a la canaleta por medio de una junta o un conector de juntas corredizas. Aplique SeamerMate® a la junta del inglete interior y a todos los puntos de conexión, tal como se ilustra en la. (Fig. 4.1)

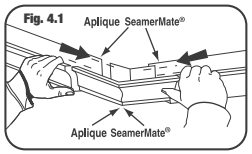


Fig. 4.1

5 UNIENDO LOS CONDUCTOS DE BAJADA:

Para conectar la canaleta al conducto de bajada, utilice ya sea un tubo de salida o un colector de agua. Para un colector de agua, una la canaleta utilizando una junta o un conector de juntas corredizas. Aplique Seamermate® al colector de agua y una siguiendo las instrucciones. Si está al final del conducto, selle con SeamerMate® y un casquete. Si utiliza un tubo de salida, primero haga un hueco en la canaleta. Dibuje la apertura de salida en la parte exterior de la canaleta, perfore un hueco y corte con tijeras para hojalata. (Fig. 5.1).

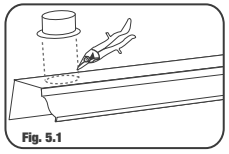


Fig. 5.1

Cada conducto de bajada tiene un extremo plegado. Las partes se unen fijando el extremo más grande en el extremo más pequeño del otro conducto, ajustándolos bien. Los conductos de bajada deben ajustarse sin holgura contra la pared. Utilice tornillos de metal para asegurar los conductos de bajada y los codos. Coloque un codo frontal o un codo lateral en la parte baja del conducto de bajada para dirigir el agua lejos de los cimientos.(Fig. 5.2)

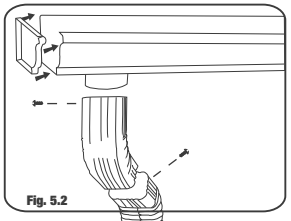


Fig. 5.2

Cada 3 m (10 pies), ajuste los conductos de bajada contra la pared con dos abrazaderas utilizando clavos o tornillos. (Fig. 5.3)

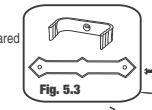


Fig. 5.3

Utilice una extensión de conducto de bajada, un protector de salpicaduras, un basculador de goteo o una conexión Flex-A-Spout® para dirigir el agua lejos de los cimientos. (Fig. 5.4)

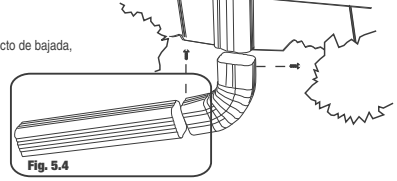


Fig. 5.4

NOTA:

- **Los conductos de bajada de 5 cm x 7.5 cm (2" x 3") drenan 186 galones por minuto**
- **Los conductos de bajada de 7.5 cm x 10 cm (3" x 4") drenan 434 galones por minuto**

En caso de áreas techadas muy amplias, de áreas bajo fuertes lluvias o para canales de desagüe que rebalsan, se recomienda aumentar el tamaño o la cantidad de conductos de bajada.

6 CÓMO INSTALAR LOS BORDES DE DESAGÜE:

Ayuda a dirigir el agua a la canaleta. Para instalar, levante las tejas e inserte el borde de desagüe debajo de éstas. Empuje hasta que el borde de desagüe sobresalga aproximadamente 1.25 cm (½ po) del acabado frontal del techo. Coloque un clavo bajo las tejas cada 1.5 m (5 pies). (Fig. 6.1)

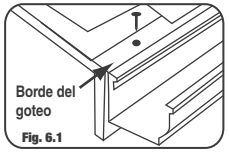


Fig. 6.1

Amerimax Home Products, Inc.
(800) 347-2586
www.amerimax.com