

**Housing Rehab Project: RFP #24-34**  
**Address: 1168 Jordan St. Decatur, IL 62521**

INSTRUCTION TO BIDDERS

1.0 Bidding Procedures

- 1.1 Bidders shall bid on all line items. Each line item shall have a separate bid price. Failure to do so may be cause for rejection of the bid. Care should be exercised that the amounts on the bid are correct. All alternate bids shall be bid separately and shall not be included in the primary bid. The complete work description line item pricing along with the Bid Proposal form must be completed and submitted.
- 1.2 Exact dimensions may not be provided in the work description. Any drawings given in specifications are approximated and should be verified by the bidder prior to submitting the proposal.
- 1.3 The price on the "Bid Proposal Form" should appear as a lump sum written in numbers as well as words. In the event that a discrepancy arises between the written and numerical presentation of the bid, the written presentation shall be used.
- 1.4 A specific time has been scheduled for a Pre-bid Inspection. The time and location is specified in the "Invitation for Bid". General Contractors shall make every effort to attend along with their subcontractors. At the Pre-bid Inspection, representatives from the Central Illinois Land Bank Authority (CILBA) and/or the local jurisdiction will review the Work Description including any alternate items. Site visits are not permitted prior to the Pre-bid Inspection. However, visits after the Pre-bid Inspection may be coordinated with CILBA and the local jurisdiction.

2.0 Determination of Winning Responsible Bid

A Qualified Contractor is defined as a contractor who has been designated by CILBA as a qualified contractor through CILBA's Contractor Request for Qualifications (RFQ) process. The Contractor RFQ can be found on CILBA's website ([www.cilba.org](http://www.cilba.org)) or can be requested via email ([mdavis@cilba.org](mailto:mdavis@cilba.org).)

- 2.1 Bids shall include all costs to complete the entire Scope of Work set forth in this Request for Proposals.
- 2.2 Interested bidders shall be able to demonstrate successful completion of at least three (3) similar projects in the last 12 months to be considered qualified to perform this work.
- 2.3 Contracts shall be awarded to the lowest responsible bidder, so long as the provided the bidder has complied with all bid specifications, instructions, and requirements.

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3.0 Miscellaneous

- 3.1 If any requirement of this bid package is questionable or appears contradictory in nature, clarification should be requested in writing from CILBA using the contact information provided in the proposal. If any such clarification is requested, and CILBA regards the clarification as material in nature, CILBA may refuse to accept any bids and rebid the project.
- 3.2 Award of a contract as a result of this solicitation is contingent upon the availability of funds from which payment of this contract may be made. There shall be no legal liability on the part of CILBA or the property owner until funds are committed by a duly executed contract.
- 3.3 All work shall be performed in accordance with the "Work Description", applicable building safety codes, general specifications, laws, ordinances, rules and regulations of all agencies having legal jurisdiction over the performance of the work.
- 3.4 The contractor, by virtue of submitting a proposal, understands and agrees that this project is funded all or in part with public funds and much of the information submitted for this project is subject public disclosure.
- 3.5 All items included in the "Bid Proposal Form" are incorporated into the "Instructions to Bidders".
- 3.6 CILBA reserves the right to accept or reject any or all bids, waive any technicalities or informalities in the bidding, postpone the bid opening and to reject bids and/or award the Contract as determined to be in the best interest of CILBA.

RETURN BY: November 1, 2024, at 1:00pm

RETURN TO: Economic and Community Development Department  
City of Decatur  
ATTN: Cordaryl Patrick, Director  
1 Gary K. Anderson Plaza, 3<sup>rd</sup> Floor  
Decatur, IL 62523

BID OPENING: November 1, 2024, at 1:15pm

BIDS OPENED Economic and Community Development Conference Room  
City of Decatur  
1 Gary K. Anderson Plaza, 3<sup>rd</sup> Floor  
Decatur, IL 62523

All bids must be sealed, signed, and submitted to be honored for no less than twenty (20) days

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1. Complete all work according to applicable state and local codes, the attached work description, general specifications (available by contacting CILBA), all manufacturer's specifications, and the Contract.
2. Permits must be obtained by the contractor from the relevant local jurisdiction's department prior to the commencement of work. If this is not done, all work will be suspended and fines levied.
3. Bid all work descriptions "as-is". Any major changes in the bid will be directed in written form. Bids lacking prices in any line item may be rejected.
4. Quantities, amounts, and measurements in the bid are provided for describing work only. It is each contractor's individual responsibility to examine the job and determine the amounts and quantities necessary to execute the work in compliance with the work description and general specifications. CILBA reserves the right to adjust quantities of work or to eliminate portions or entire work items at CILBA's discretion.
5. CILBA reserves the right to accept or reject all or portions of the bid(s) and to negotiate with the bidder selected to perform the work.
6. CILBA reserves the right to consider the bidders proposed commencement and completion dates as criteria in awarding all contracts. Alternate bids may be awarded but shall only be paid upon written authorization to perform the alternate work.
7. All questions pertaining to this bid, the work description, or general conditions or specifications should be directed to Mike Davis at [mdavis@cilba.org](mailto:mdavis@cilba.org).
8. General contractors must have Certificates of Insurance or equivalents from their subcontractors in their files. General contractors shall be liable for all workers, subcontractors, vendors, and deliverymen present on the work-site.
9. CILBA acts as "title company" and "technical advisor" on all rehabilitation projects. Lien Waivers and Affidavits shall include any and all payments made relative to the project and issued to workmen, vendors, subcontractors, suppliers and shall balance with the cost of the project and the amount paid.
10. No work is to be conducted until an executed Notice to Proceed is issued to the Contractor by CILBA.

**General Conditions**

1. COMPLIANCE WITH LAWS

The selected bidder ("**Contractor**") shall perform in compliance with all applicable federal, state and local laws, ordinances, statues, rules and regulations. The contractor shall be responsible for obtaining any and all necessary permits for a successful, legal rehabilitation.

2. CONFLICTS OF INTEREST

Bidders shall provide information regarding any real or potential conflict of interest, including but not limited to business or personal relationships with a CILBA Director or any parent, spouse, child, partner, or employer of a CILBA Director. Failure to reveal any potential conflict of interest at the time of Proposal may represent a breach of contract, subject to appropriate penalties.

3. SILENCE OF SPECIFICATIONS

The apparent silence of the specifications as to any detail or apparent omission from it as to a detailed description concerning any point shall be interpreted as meaning that only the best commercial material or practice shall prevail and that only items of the best materials or workmanship are to be used.

4. SUPERINTENDENCE

At the inception of the work, the Contractor shall notify CILBA's Executive Director of the name of its job site agent. This agent shall be readily accessible during normal business hours at a minimum. The Contractor shall notify CILBA's Executive Director of any change of the job site agent, immediately upon such change. The job site agent shall understand the plans and specifications and have experience managing rehabilitation projects. The job site agent shall have full authority to execute orders or directions of CILBA without reasonable delay, and to promptly supply such materials, equipment, tools, labor, and incidentals as may be required.

5. TIME

A. **Completion Date.** The Contractor shall complete work on or before the time indicated in the Scope of Work. The contract completion date or period may be extended only by written change order.

B. **Time Extensions**

i. Request for Time Extensions. All requests for extension of time to complete work shall be submitted by the Contractor in writing to CILBA's Executive Director. The request shall specify the cause for the delay and the number of additional days sought to complete performance. The

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request must be submitted within forty-eight (48) hours of the occurrence of the cause of the delay or shall be deemed waived.

In the event of delay due to causes beyond the reasonable control of the Contractor, a reasonable extension of time by the amount of time the Contractor is actually delayed thereby will be given by the way of a properly executed written Change Order. The extension of time granted shall be the exclusive relief provided, and no additional compensation of claim for damages will be paid or due.

ii. Causes Beyond the Reasonable Control of the Contractor. The following are grounds for extensions of time due to causes beyond the reasonable control of the Contractor:

1. Delay in CILBA's making the site available or in furnishing items to be furnished by CILBA that are necessary for Contractor to commence or continue work;
2. War, national conflicts, terrorist acts or priorities arising therefrom including restriction of the ability to procure critical materials;
3. Epidemics that affect the Contractors', sub-contractors' or material suppliers' ability to obtain construction labor or labor to produce materials;
4. Strikes or other labor disruptions extending in duration more than five calendar days;
5. Cataclysmic events;
6. Fires on the job site, adjacent to the work site, or involving the Contractors', sub-contractors' or material suppliers' property that materially affects the progress of the work.
7. Material delivery delays when the Contractor has exercised due diligence in securing critical materials.

iii. Liquidated Damages.

1. If the Contractor fails to perform as set forth in 2.6(a), Liquidated damages shall be charged at the rate of \$1,000.00 per calendar day for each day that the work is incomplete. CILBA will deduct these liquidated damages from any monies due or to become due to the Contractor from the CILBA.
2. By entering this agreement, the Contractor specifically acknowledges that it is impractical to calculate and prove actual delay costs for failure to complete the contract on time. The amount stated above accounts approximately for administration, engineering, inspection, and supervision costs of delay during

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periods of delayed performance, as well as damages to the public for inability to use the public improvement.

6. METHOD OF PAYMENT

Payment will be made by CILBA after Contractor's complete performance of the Contract in accordance with all provisions thereof and upon subsequent receipt by CILBA of a properly executed invoice together with waivers of liens from all suppliers and subcontractors. Such invoice shall be accompanied by waivers of liens or the equivalent from supplier of work or materials stating that such work or materials have been paid for by the Contractor. Such invoice shall be paid by CILBA within sixty (60) days of its receipt, except for those sums allowed to be withheld pursuant to the Contract.

7. RIGHT TO WITHHOLD

In addition to the payments to be retained by CILBA under the other provisions of this contract, CILBA may withhold a sufficient amount of any payment otherwise due to the Contractor to cover the following:

- A. For claims arising in and from the performance of the work on the project under this Contract.
- B. For defective work not remedied.
- C. For failure of the Contractor to make proper payments to its subcontractors and suppliers.

CILBA shall disburse and shall have the right to act as agent for the Contractor in disbursing such funds as have been withheld pursuant to this paragraph to the party or parties who are entitled to payment therefrom (including CILBA). CILBA will render to the Contractor a proper accounting of all such funds disbursed on behalf of the Contractor.

8. CHANGE ORDERS AND EXTRA WORK

The CILBA Executive Director may, at any time or from time to time, order additions, deletions or revisions in the work; these will be authorized by Change Orders. Upon receipt of a Change Order, the Contractor shall proceed with the work involved. All such work shall be executed under the applicable conditions of the Contract. If any Change Order causes an increase or decrease in the Contract Price or an extension or shortening of the Contract time, the increase or decrease must be agreed to by both parties in writing.

9. MATERIALS & WORKMANSHIP

- i. Materials & Workmanship Excluded. The rehabilitation work shall be completed in all respects and all material used in the work and all work thereon shall be done in strict accordance with the specifications set forth herein. All work shall be done in a first- class and workmanlike manner to the satisfaction of CILBA and in accordance with the best practice, standards and standard specifications recognized in the field unless specifically provided for otherwise in the specifications or approved by CILBA in writing.
- ii. Final Inspection. When the work of rehabilitation is substantially completed, the Contractor shall notify the CILBA Executive Director that the work will be ready for final inspection on a definite date.
- iii. Inspections, Correction and Rejection. CILBA shall have the right to reject materials and workmanship which are defective or require correction. Rejected workmanship shall be satisfactorily corrected by Contractor and rejected materials shall be removed from the premises both without charge to CILBA. If the Contractor does not correct such defective work and remove rejected materials within a reasonable time, fixed by written notice, CILBA may remove them and charge the expenses to the Contractor.
- iv. Inspection after Completion. Should it be considered necessary or advisable by CILBA at any time before acceptance of the work to make an examination of work already completed by dissembling, removing or tearing out same, the Contractor shall on request promptly furnish all necessary facilities, labor and materials for that purpose and the costs thereof shall be charged to the Contractor if the work was covered prior to inspection by CILBA.
- v. No Waiver by Inspection or Payment. Neither the inspection of or payment for any work performed pursuant to any provision in the Contract shall relieve the Contractor of the responsibility for negligence or faulty materials or workmanship to the extent and within the period provided by law or this Contract, whichever is longer, and upon written notice, the Contractor shall remove any defects due therefrom and correct the same.

10. RISK OF LOSS; PROPERTY CONDITIONS

CILBA assumes no responsibility for the condition of existing structures and other property on the subject area nor for their continuance in the condition existing at the time of issuance of the Request for Proposals or thereafter. No adjustment of Contract Price or allowance for any change in conditions or unknown conditions shall be made.

## 11. INDEMNIFICATION AND HOLD HARMLESS

To the fullest extent allowed by law, Contractor shall indemnify and hold harmless CILBA against any and all damages to property or injuries to or death of any person or persons, including property and employees or agents of CILBA, and shall defend, indemnify and save harmless CILBA from any and all claims, demands, suits, actions or proceedings of any kind or nature, including Workers Compensation claims, and including the cost of defending same including costs and attorneys fees, of or by anyone whomsoever in any way resulting from or arising out of the operations of the Contractor or the Contractor's employees or subcontractors and acts or omissions of employees or agents of Contractor or subcontractors, unless caused solely by CILBA, its officers or employees. CILBA shall have the right to estimate the amount of such claims, demands, suits, actions or proceedings for damage or injuries and pay the same, and any amounts so paid shall be deducted from the money due the Contractor under this Contract, and the whole or so much of the money due or to become due the Contractor under this Contract, as may be considered necessary by CILBA, shall be retained by CILBA until such claims, demands, suits, actions, or proceedings shall have been settled or otherwise disposed of, and satisfactory evidence to that effect furnished to CILBA.

Insurance coverage specified in these General Conditions shall in no way lessen or limit the liability of Contractor under the terms of the contract. Contractor shall procure and maintain at the Contractor's own cost and expense, any additional kinds and amounts of insurance that, in the Contractor's own judgment, may be necessary for the Contractor's proper protection in the prosecution of the work.

## 12. TERMINATION FOR BREACH

In the event that any of the provisions of this Contract are violated by the Contractor or by any of its subcontractors, CILBA may serve written notice upon the Contractor and the surety, if applicable, of the intention to terminate such Contract, such notice to contain the reasons for such termination intention, and unless within five (5) calendar days after the serving of such notice upon the Contractor such violations shall cease and satisfactory arrangements for correction be made, the Contract shall upon expiration of five (5) calendar days cease and terminate.

In the event of any such termination, CILBA shall immediately serve notice thereof upon the surety and the Contractor, and the surety shall have the right to take over and perform the Contract; provided, however, that if the surety does not commence performance thereof within ten (10) calendar days from the date of the mailing to such surety notice of termination, CILBA may take over the work and prosecute the same to completion by contract with another or otherwise at the expense of the Contractor, and the Contractor and his surety shall be liable to CILBA for any excess cost occasioned CILBA thereby, and in such event, CILBA may take possession of and utilize in completing the work such materials and equipment as may be on the site of the work and necessary therefor.

### 13. INSURANCE REQUIRED

Contractor shall provide CILBA with a certificate of insurance showing that the Contractor has policies in effect for the entire duration of the Contract with coverage limits of not less than \$1,000,000 Comprehensive General Liability for accidents or injuries for each occurrence, and not less than \$2,000,000 in aggregate for the policy term; not less than \$500,000 Automobile for injuries, including accidental death, or damages caused by the contractor's vehicles on the site; and not less than the statutory amount and employer's liability of not less than \$500,000 per person Worker's Compensation coverage. The policies shall name the Central Illinois Land Bank Authority as "Additional Insured" for this Contract.

### 14. SUBCONTRACTORS

- A. No Contractual Relationship. Nothing contained in the contract documents shall create any contractual relationship between any subcontractor and CILBA.
- B. Notice. The Contractor shall notify CILBA in writing of the names of the subcontractors proposed for the principal parts of the work, and shall not employ any subcontractor that CILBA objects to as incompetent or unfit, or that is determined to be legally ineligible to perform work under the Contract.
- C. Responsibility of Contractor. The Contractor agrees to be fully responsible to the City for the acts or omissions of each of its subcontractors and of anyone employed directly or indirectly by the Contractor or its subcontractors and this contract obligation shall be in addition to the liability imposed by law upon the Contractor. The Contractor agrees to bind every subcontractor (and every subcontractor of a subcontractor) and every subcontractor agrees to be bound by the terms of this Request for Proposals and the subsequent Contract as far as applicable to its work, unless specifically noted to the contrary in a subcontract approved in writing as adequate by CILBA.

### 15. SOLID WASTE AND HAZARDOUS MATERIALS.

The Contractor shall be responsible for proper disposal of all solid waste removed from the work site. The Contractor shall provide CILBA with appropriate documentation of its proper disposal upon request for any portion of the work resulting in the disposal of solid waste.

### 16. SANITARY FACILITIES

The Contractor shall furnish, install and maintain sufficient sanitary facilities for the workers, as the need arises.

#### 17. VACATING OF BUILDINGS

If the rehabilitation work requires vacated structures and the Contractor finds that any structures are not vacated, the Contractor shall immediately notify CILBA's Executive Director and shall not begin rehabilitation operations on such properties until so authorized by CILBA, and the Contractor's responsibility for such buildings will not begin until such order from CILBA has been sent to the Contractor. In case such occupancy is of a prolonged nature which actually interferes or is likely to interfere with the Contractor's operations so as to materially increase the Contractor's costs or require additional time, both parties shall agree to a Change Order or agree to otherwise terminate the Contract.

#### 18. ACCIDENT PREVENTION; CONTRACTOR

The Contractor shall exercise all reasonable precaution at all times for the protection of all persons and property and shall be responsible for all damages to persons or property, either on or off the work site, which occur as a result of Contractor's fault or negligence in connection with the performance of the work. Final payment or inspection shall not be deemed a waiver of Contractor's responsibility. The safety provisions of applicable laws and building and construction codes shall be observed. Machinery, equipment and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws.

#### 19. DISPUTES

All disputes of claims between the Contractor and CILBA shall come to the attention of CILBA's Executive Director for resolution, including all matters relating to the execution and satisfactory completion of the Work.

#### 20. ATTORNEYS FEES

The Contractor shall be responsible for all costs incurred by CILBA to enforce any provision of this contract and/or to remedy any Contractor default or breach of contract, including all court costs and reasonable attorneys' fees.

#### 21. EMERGENCY SITUATIONS

In an emergency affecting the safety of life or property, on or adjoining the site, the Contractor shall act to prevent such threatened loss or injury.

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22. AVOIDANCE OF DAMAGE TO PROPERTY OF OTHERS

The Contractor shall avoid damaging sidewalks, streets, curbs, pavements, utilities, structures or any other property. The Contractor shall repair, at the Contractor's own expense and in a manner satisfactory to CILBA and the local jurisdiction, any damage thereto caused by the Contractor's operations. The Contractor shall be responsible for locating all utilities on the property and arranging for their disconnection in accordance with all laws and ordinances and utility regulations incurred. Any costs shall be paid by the Contractor.

23. ASSIGNMENT OF CONTRACT

The Contractor shall not assign this Contract or any part hereof without the written consent of the CILBA's Executive Director. No assignment of this Contract shall be valid unless it shall contain a provision that the funds to be paid to the assignee under the assignment are subject to a prior lien for services rendered or materials supplied for the performance of the work called for in said Contract in favor of all persons, firms, or corporations rendering such services or supplying such materials.

24. PUBLIC ADVERTISING

The Contractor is specifically denied the right of using in any form or medium the name of the Central Illinois Land Bank Authority for public advertising unless express permission is granted by the Executive Director and Board of Directors of CILBA.

25. RECORD AND AUDITS

The Contractor shall maintain accounts and records, including personnel, property and financial records, adequate to identify and account for all costs pertaining to the Contract and such other records as may be deemed necessary by CILBA to assure proper accounting for all project funds. These records will be made available for audit purposes to CILBA or any authorized representative and will be retained for three (3) years after the expiration of this Contract unless permission to destroy them is granted by CILBA.

26. USE OF PREMISES

The Contractor shall confine its equipment, storage of materials, and rehabilitation operations to the limits prescribed by local ordinance or relevant permits, or as may be directed by CILBA's Executive Director and shall not unreasonably encumber the premises with its salvaged materials.

27. BID-RIGGING, BID-ROTATING PROHIBITED

The Contractor certifies, in accordance with Section 33E-11 of the Illinois Criminal Code, that the Contractor is not barred from bidding on any contract with the City as the result of a violation of 720 ILCS 5/33E-3, Bid-Rigging, or 720 ILCS 5/33E-4, Bid Rotating, as amended.

**28. PREFERENCE TO VETERANS ACT**

The Contractor shall comply with the Veterans Preference Act, 330 ILCS 55/1, as amended, in the employment and appointment to fill positions in the construction, addition to, or alteration of any public works.

**29. EMPLOYMENT OF ILLINOIS WORKERS OF PUBLIC WORKS ACT**

If at the time this contract is executed, or if during the term of this contract, there is a period of excessive unemployment in Illinois, defined in the Employment of Illinois Workers on Public Works Act, 30 ILCS 570/0.01, as "any month immediately following 2 consecutive months of unemployment in the State of Illinois that has exceeded 5%", the Contractor agrees to employ Illinois laborers. An "Illinois laborer" is defined as "any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident." 30 ILCS 570/l(i).

**30. TRAFFIC CONTROL**

The Contractor shall be responsible for providing adequate safeguards to ensure traffic control and safety at the job site and to meet or exceed minimum standards required by local, State and federal requirements for traffic control. Contractor shall use professional judgement to assess the traffic safety and control measures required by this job and shall describe measures the Contractor will take to ensure traffic safety and control for this job.

**31. DELINQUENT TAXES & INDEBTEDNESS**

Pursuant to 65 ILCS 5/11-42.1-1, Contractor shall not be or become delinquent in the payment of any tax administered by the Illinois Department of Revenue during the Term of the Contract. Additionally, Contractors and Subcontractors indebted to the local jurisdiction, must settle all debts prior to awarding a contract. Before awarding a Contract the Central Illinois Land Bank Authority must obtain, under oath from the individuals or entities that no such taxes or debt are outstanding or delinquent.

**32. NON-DISCRIMINATION**

Contractor shall not discriminate against any employee or applicant for employment because of race, creed, color, religion, sex, ancestry, and national origin, place of birth, marital status or age.

**33. SEXUAL HARASSMENT**

Contractor is required to have a sexual harassment policy as part of its company policies. If your policy complies with the elements contained in the sexual harassment guidelines, please submit a copy. If you need to establish a policy, the Contractor have sixty (60) days from the date you submit a bid to establish such policy.

#### 34. SCHEDULES

Contractor shall submit a clear schedule of times for initiation and completion for each segment of the project and shall notify CILBA if deviations occur. Contractor shall submit a schedule of values identifying costs for each segment of the project.

#### 35. PROTECTION/REPAIRS/REPLACEMENT

Contractor shall not damage any building, grounds, pavement or other surfaces or utilities during the construction. All damages shall be repaired in a manner acceptable to CILBA and the local jurisdiction at no cost to CILBA or the local jurisdiction. Any removal of structures/equipment, relocation of existing equipment or utilities, installation of devices or other temporary measures to aid in the construction shall be repaired and/or replaced by the Contractor in a manner acceptable to CILBA and the local jurisdiction at no additional cost to CILBA and the local jurisdiction.

#### 36. SITE COMPLETION

Contractor shall be responsible for returning the site to CILBA in a condition acceptable to the local jurisdiction. This includes but is not limited to; removal of all trash and construction debris, resetting any objects moved to aid in construction and repair/replacement of any and all damages.

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**Address: 1168 Jordan St. Decatur, IL 62521**

**BID REQUEST FORM**

DATE RFP RELEASED: Oct. 21st, 2024      DATE BIDS DUE: Nov. 1st, 2024 1:00 pm

Project: #24-34 1168 Jordan St, Decatur IL

The following is hereby submitted as per your request. This bid covers all work and/or specified in the bid documents received for this job.

The undersigned, having become thoroughly familiar with the terms and conditions of the proposed Contract Documents and with local conditions affecting the performance and costs of the Work at the place where the work is to be completed, and having fully inspected the site in all particulars, hereby proposes and agrees to full perform the work within the time stated and in strict accordance with the proposed Contract Document, including furnishing of any construct, and complete said Work in accordance with the Contract Documents, for the sum of money:

All labor, materials, services, and equipment necessary for the completion of the Work shown on the Drawings and in the Specifications: Contractor and/or Subcontractor is responsible for all required permits.

Total bid: \_\_\_\_\_ Dollars (\$\_\_\_\_\_)

As Needed Sheathing per Sheet cost: \_\_\_\_\_

If awarded the Contract, the Bidder agrees to have on file with the Agency all required documents for verification of licensing and insurance. Completion of the project will require \_ calendar days. This proposal is valid for a period of 60 days.

Contractor information:

Bid Authorized by: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fed. Tax ID: \_\_\_\_\_

Contractor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

# Central Illinois Land Bank Authority

## Roof Rehab Scope of work

Address: 1168 Jordan St Decatur IL Date: 10/13/24

# one story.

This work write-up is in accordance with Standards and guidelines. The contractor shall abide by the following: 2021 International Building Codes, 2014 Illinois Plumbing Codes, 2021 Illinois Mechanical Codes, Zoning and 2017 Electrical Codes, 2021 IECC code, and all current adopted city codes. If there are questions regarding code, it is the contractor's responsibility to seek out answers with the authority having jurisdiction.

The contractor is required to obtain all permits necessary to complete the project. No work is to be started until the permit for that area of work has been issued and displayed at the property. The contractor will be liable for any fines incurred for not obtaining the required permits.

Signed change orders by CILBA representative are required prior to modifications to the original contract scope or price. No changes to the contract price will be paid without a written change order signed by CILBA representative.

Where applicable, lead-based paint will be handled using RRP standards and guidelines. All work shall be completed with craftsmanship equivalent to industry standards. The quality of material shall be of standard grade and remain cost-effective for the project. All mechanical and Plumbing fixtures per the outlined scope must be replaced with Energy Efficient products.

The contractor is responsible for all labor associated with demolition and disposal fees. The contractor is required to maintain the exterior of the property during the time of construction in an orderly manner that will not create a nuisance. The contractor will be liable for any fines caused for not maintaining the property.

All measurements, quantities, size, design, etc. noted in the scope of work are for the contractor's convenience and shall be verified by the contractor prior to contract acceptance. No guarantee or warranty of accuracy is represented by CILBA. No claim for additional funds due to discrepancies in the measures or quantities shall be honored if not submitted at the time of the initial proposal.

The contractor shall remedy any defect due to faulty material or workmanship and pay for all damage to other work resulting therefrom, which appear within one year from the completion of the project.

Prevailing wage is not required.

## **A. Roof:**

- 1 existing asphalt roof shingles shall be removed and disposed.
- 2 Job sites shall be clean of all construction and roofing debris and a magnet shall be run to pick up all nails.
- 3 New shingles to be installed per manufacture with written instructions and specification.
- 4 All eaves and valley shall be lined with 36" ice and water shield or equivalent product.
- 5 Underlayment shall be ASTM D226 type 1 or 2 asphalt impregnated underlayment or synthetic underlayment installed per manufacturer specifications. Note review installation spec for proper laps between joints to follow warranty spec.
- 6 Nails shall be double hot dipped galvanized and shall be the proper length to install shingles per shingle manufacture specification.
- 7 Hip and valleys to be flash and waterproof per roofing shingle manufacture specifications to follow warranty.
- 8 Step flashings shall be a minimum of 0.011 thickness aluminum.
- 9 Install Drip edge at a minimum thickness of 0.019 at all eaves and gable ends.
- 10 Install air vent at ridge or air boxes as needed.
- 11 Install all new boots **Oatey no caulk galvanized pipe flashing boot**
- 12 Allowable roofing manufactures are **CertainTeed landmark, gaf timberline, and iko performance and Owens corning**

**Note: installers shall follow manufacture installation guidance per shingle manufacture for warranty purposes.**

shingles should be 30 years warranty.

## **B. low slope roof 12/3 and under**

low slope roof shall be Rober roof at minimum .062 thickness.

Install underlayment per roofing specifications.

Term bars at all roof edges

Install all new boots at every pipe and flash properly per roofing manufacturer specification.

Low slope roof allowed manufactures **are mule hi roofing system.**

### **Sheading installation**

Follow the 2021 building code for proper nailing of sheathing. Roof sheathing fastening spacing is 6" on center at intermediate supports for 8d common and RSRS-01 nails.

### **Scope of work**

1. replace shingles with color pick by homeowner and to shingle manufacture specifications.
2. install all new gutters around the property.
3. repair soffit as needed to match existing. replace fascia with aluminum fascia all around, assure wood under fascia is in good condition.

4. provide a separate quote to repair all columns on the deck to support roof, repair deck and redeck with all new boards, install new soffit on the deck. New stairs. New handrail. Note: Visual damage in ceiling joist in the deck area.

Important notice.

- 1 provide a written cost per sheet of decking when submitting a quote.
- 2 Provide the start date of the project at least 3 days before.

**3 When shedding or repairs are needed, provide pictures of affected areas before repairs and after repairs. Before pictures are needed, before work can begin. document every repair that is not included in the scope with pictures and provide descriptions in an email. Approval needed before starting repairs. Pictures can be sent to [kchomesolutions@outlook.com](mailto:kchomesolutions@outlook.com) or text at 217 649 1108. Must also be sent to [stonelli@decaturil.gov](mailto:stonelli@decaturil.gov)**

- 4 Contractors are required to pull all permits needed per town/city where work is been done.
- 5 Contractor to schedule all inspections in a timely manner for inspections to be properly done.
- 6 Contractors cannot submit payment until all permits have been closed. Note if permits were not pulled where needed, contractor to follow with city inspector for proper follow ups before submitting for payment.

[VIEW 3D MODEL](#)

Areas	Siding	Other
Facades	926 ft <sup>2</sup>	456 ft <sup>2</sup>
Openings	349 ft <sup>2</sup>	24 ft <sup>2</sup>
Trims*	281 ft <sup>2</sup>	92 ft <sup>2</sup>
Unknown (no photos)*	-	-
<b>Total</b>	<b>1556 ft<sup>2</sup></b>	<b>572 ft<sup>2</sup></b>

\*Any trim or unknown material that touches siding is included in the 'Siding' column. If it does not touch siding, then it's included in the 'Other' column.

Openings	Siding	Other
Quantity	25	4
Tops Length	59' 1"	10' 7"
Sills Length	50' 1"	10' 7"
Sides Length	184' 2"	22' 5"
<b>Total Perimeter</b>	<b>293' 5"</b>	<b>43' 6"</b>

Corners	Siding	Other
Inside Qty	3	3
Inside Length	16' 11"	7' 7"
Outside Qty	8	34
Outside Length	71' 8"	103'

Accessories	Siding	Other
Shutter Qty	0	0
Shutter Area	0 ft <sup>2</sup>	0 ft <sup>2</sup>
Vents Qty	1	0
Vents Area	9 ft <sup>2</sup>	0 ft <sup>2</sup>

Trim	Siding	Other
Level Starter	147' 6"	178'
Sloped Trim	16' 5"	4' 4"
Vertical Trim	6' 1"	11' 7"

Roofline	Length	Avg. Depth	Soffit Area
Eaves Fascia	214' 1"	-	-
Level Frieze Board	149'	2' 2"	451 ft <sup>2</sup>
Rakes Fascia	54' 6"	-	-
Sloped Frieze Board	39' 5"	8"	44 ft <sup>2</sup>

**SIDING WASTE TOTALS**

Siding & Trim Only*	Area	Squares
Zero Waste	1117 ft <sup>2</sup>	11¼
+10%	1230 ft <sup>2</sup>	12½
+18%	1319 ft <sup>2</sup>	13¾

+ Openings < 20ft <sup>2</sup>	Area	Squares
Zero Waste	1401 ft <sup>2</sup>	14¼
+10%	1541 ft <sup>2</sup>	15½
+18%	1654 ft <sup>2</sup>	16¾

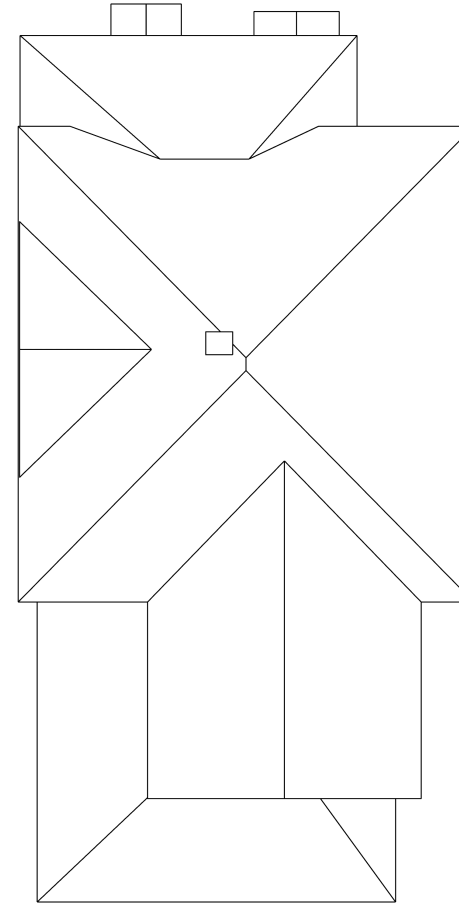
+ Openings < 33ft <sup>2</sup>	Area	Squares
Zero Waste	1465 ft <sup>2</sup>	14¾
+10%	1611 ft <sup>2</sup>	16¼
+18%	1729 ft <sup>2</sup>	17½

\*The first three rows of the Siding Waste Factor table are calculated using the total ft<sup>2</sup> of siding facades, ft<sup>2</sup> of trim touching siding, and ft<sup>2</sup> of unknowns touching siding.

Roof	Area	Total	Length
Roof Facets	1833 ft <sup>2</sup>	22	-
Ridges / Hips	-	16	175' 8"
Valleys	-	6	66' 3"
Rakes	-	9	54' 6"
Eaves	-	20	214' 1"
Flashing	-	12	26' 5"
Step Flashing	-	16	32' 4"
Drip Edge/Perimeter	-	-	268' 7"

Roof Pitch*	Area	Percentage
9 / 12	1357 ft <sup>2</sup>	74.03%
1 / 12	281 ft <sup>2</sup>	15.33%
4 / 12	157 ft <sup>2</sup>	8.57%
6 / 12	16 ft <sup>2</sup>	0.87%

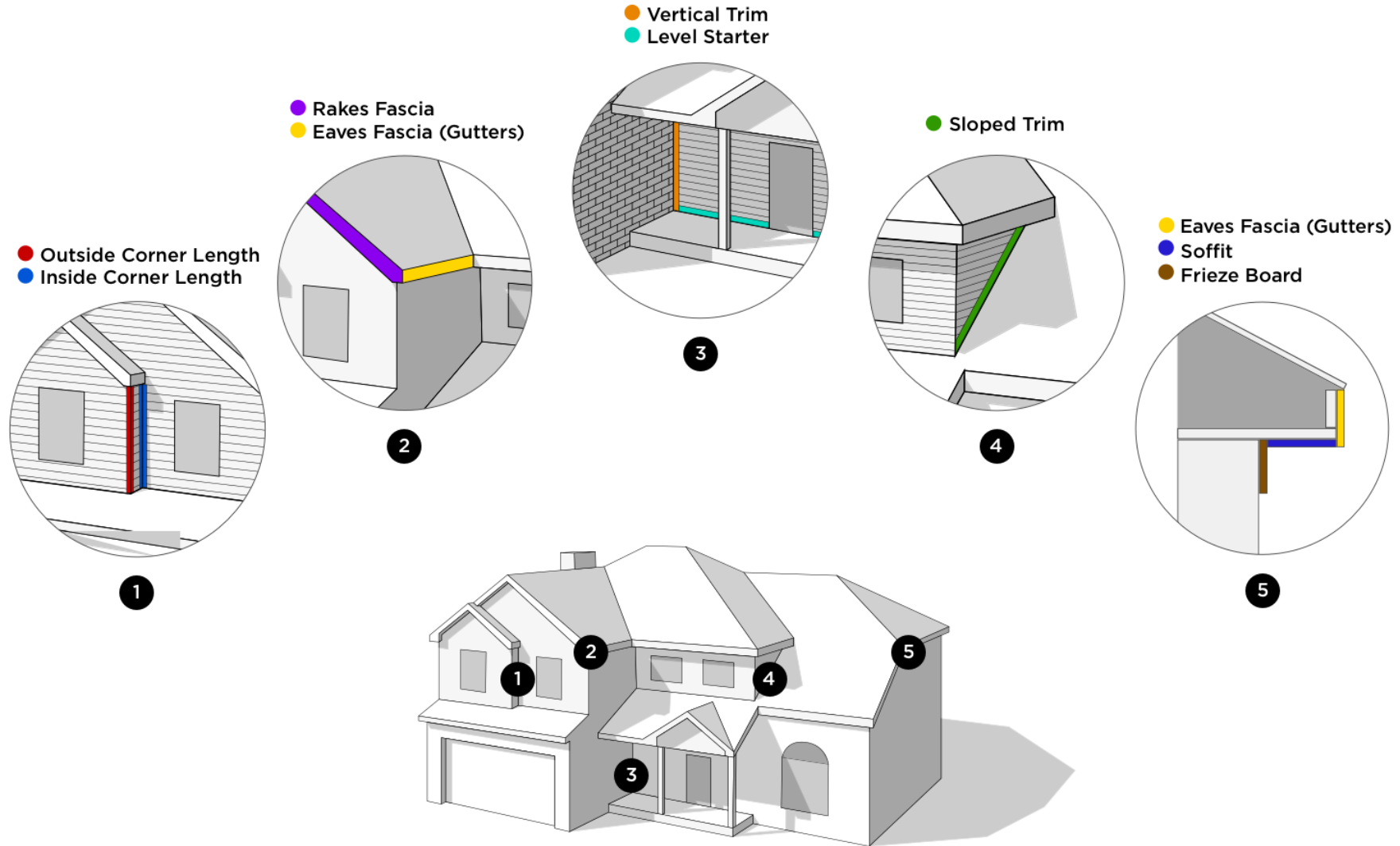
\* Only top 4 values shown. Reference Roof Pitch page for all values.

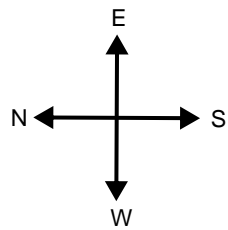


**Example Waste Factor Calculations**

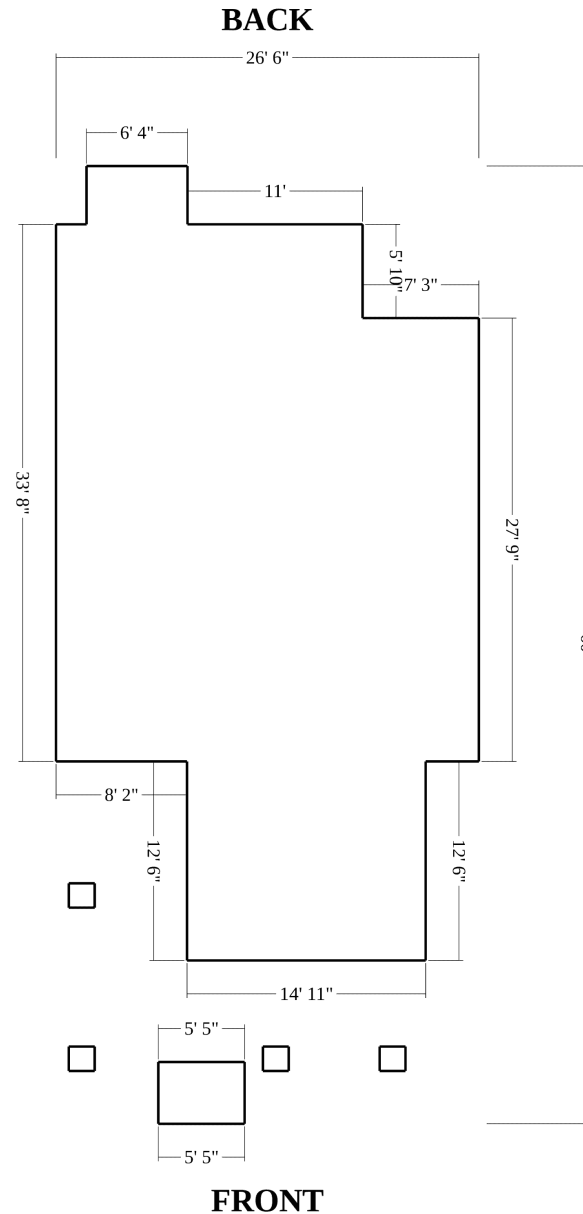
	Zero Waste	+5%	+10%	+15%	+20%
<b>Area</b>	1833 ft <sup>2</sup>	1925 ft <sup>2</sup>	2016 ft <sup>2</sup>	2108 ft <sup>2</sup>	2200 ft <sup>2</sup>
<b>Squares</b>	18 <sup>1</sup> / <sub>3</sub>	19 <sup>1</sup> / <sub>3</sub>	20 <sup>1</sup> / <sub>3</sub>	21 <sup>1</sup> / <sub>3</sub>	22 <sup>1</sup> / <sub>3</sub>

The table above provides the total roof area of a given property using waste percentages as noted. Please consider that area values and specific waste factors can be influenced by the size and complexity of the property, captured image quality, specific roofing techniques, and your own level of expertise. Additional square footage for Hip, Ridge, and Starter shingles are not included in this waste factor and will require additional materials. This table is only intended to make common waste calculations easier and should not be interpreted as recommendations.





Number of Stories: 1  
Footprint Perimeter: 196' 3"  
Footprint Area: 1089 ft<sup>2</sup>



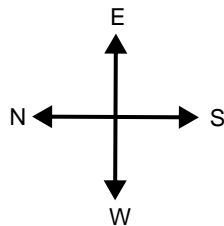


Siding Per Elevation

FRONT			RIGHT			LEFT			BACK		
SI-1	-	59 ft <sup>2</sup>	SI-4	-	89 ft <sup>2</sup>	SI-12	-	28 ft <sup>2</sup>	SI-8	-	44 ft <sup>2</sup>
SI-2	-	37 ft <sup>2</sup>	SI-6	-	195 ft <sup>2</sup>	SI-13	-	178 ft <sup>2</sup>	SI-9	-	3 ft <sup>2</sup>
SI-3	-	42 ft <sup>2</sup>	SI-7	-	45 ft <sup>2</sup>	SI-14	-	18 ft <sup>2</sup>	SI-10	-	50 ft <sup>2</sup>
SI-5	-	13 ft <sup>2</sup>				SI-15	-	99 ft <sup>2</sup>	SI-11	-	26 ft <sup>2</sup>
									SI-16*	-	0 ft <sup>2</sup>
<b>151 ft<sup>2</sup></b>			<b>329 ft<sup>2</sup></b>			<b>323 ft<sup>2</sup></b>			<b>123 ft<sup>2</sup></b>		

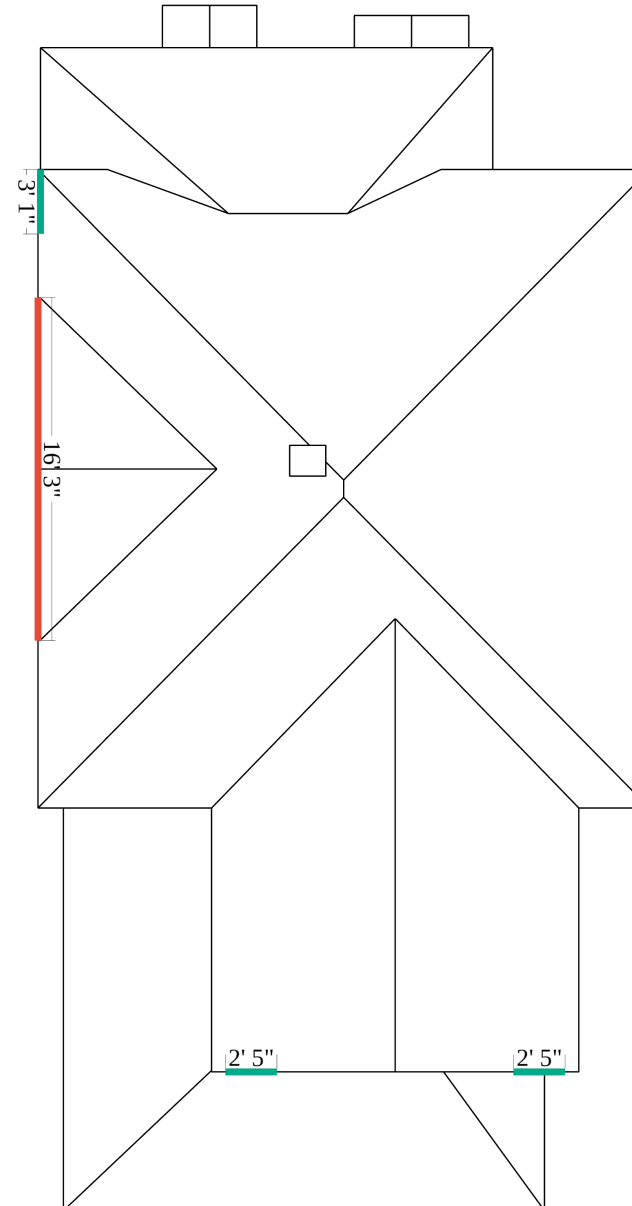
\* Facet is not visible due to size or location

Number of Stories: 1



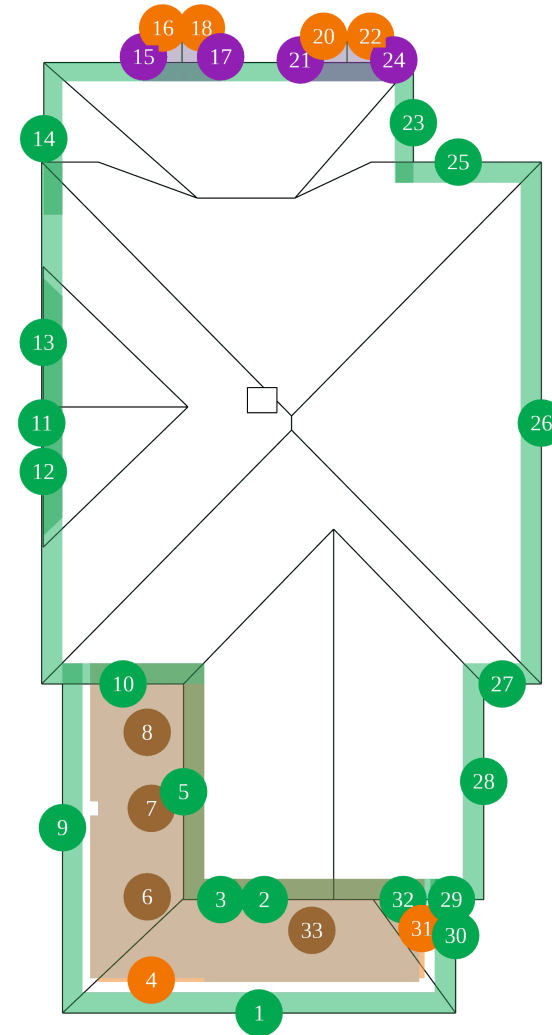
	Cornice Returns	Length	Count
<span style="color: blue;">■</span>	Returns Story 2	3'	1
<span style="color: green;">■</span>	Returns Story 3	5'	2
	<b>Total</b>	<b>8'</b>	<b>3</b>

	Cornice Strips	Length	Count
<span style="color: red;">■</span>	Strips Story 1	16'	1
	<b>Total</b>	<b>16'</b>	<b>1</b>



Soffit Summary

Depth	Type	Count	Total Length	Total Area
1" - 6"	rakes	4	10' 10"	2 ft <sup>2</sup>
	eaves	2	11' 11"	3 ft <sup>2</sup>
12" - 18"	rakes	4	39' 3"	42 ft <sup>2</sup>
	eaves	15	191' 1"	225 ft <sup>2</sup>
24" - 48"	eaves	4	10' 7"	29 ft <sup>2</sup>
> 48"	eaves	4	30' 8"	194 ft <sup>2</sup>
<b>Totals</b>			<b>294' 5"</b>	<b>495 ft<sup>2</sup></b>

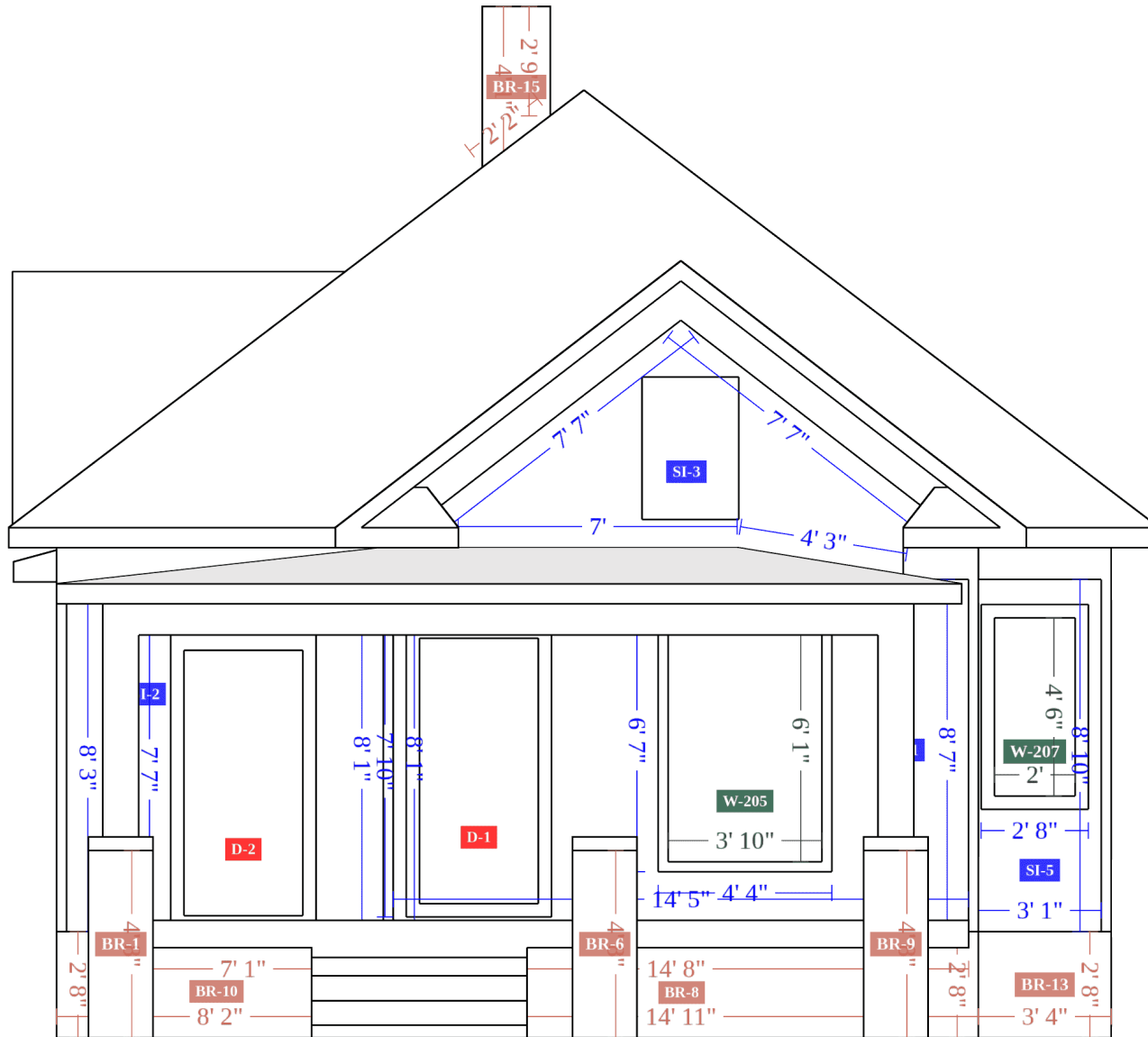
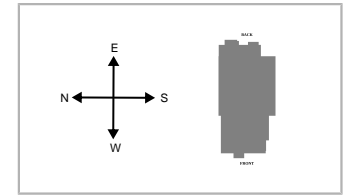


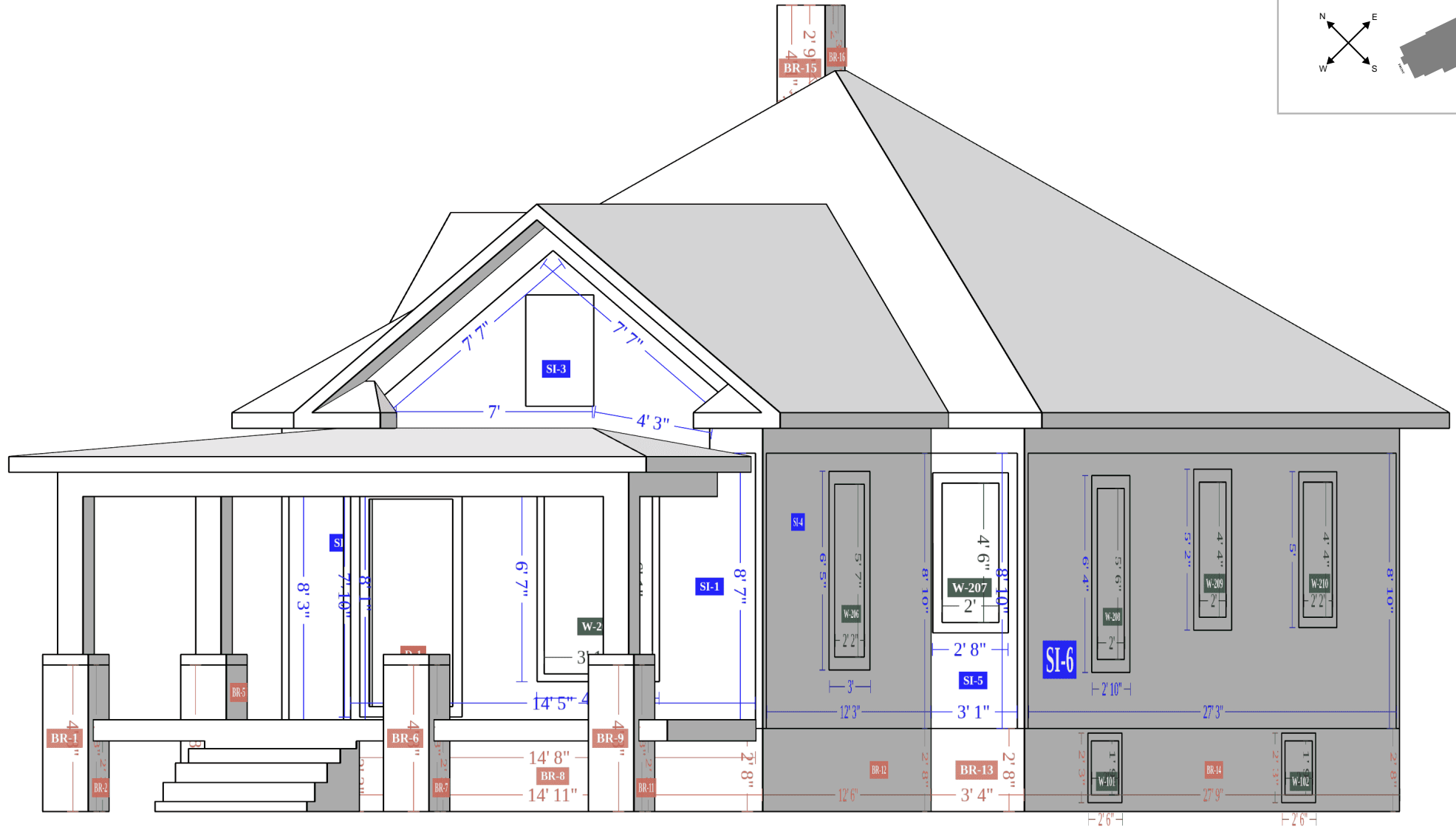
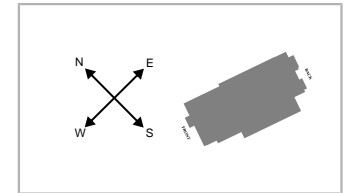
Soffit Breakdown

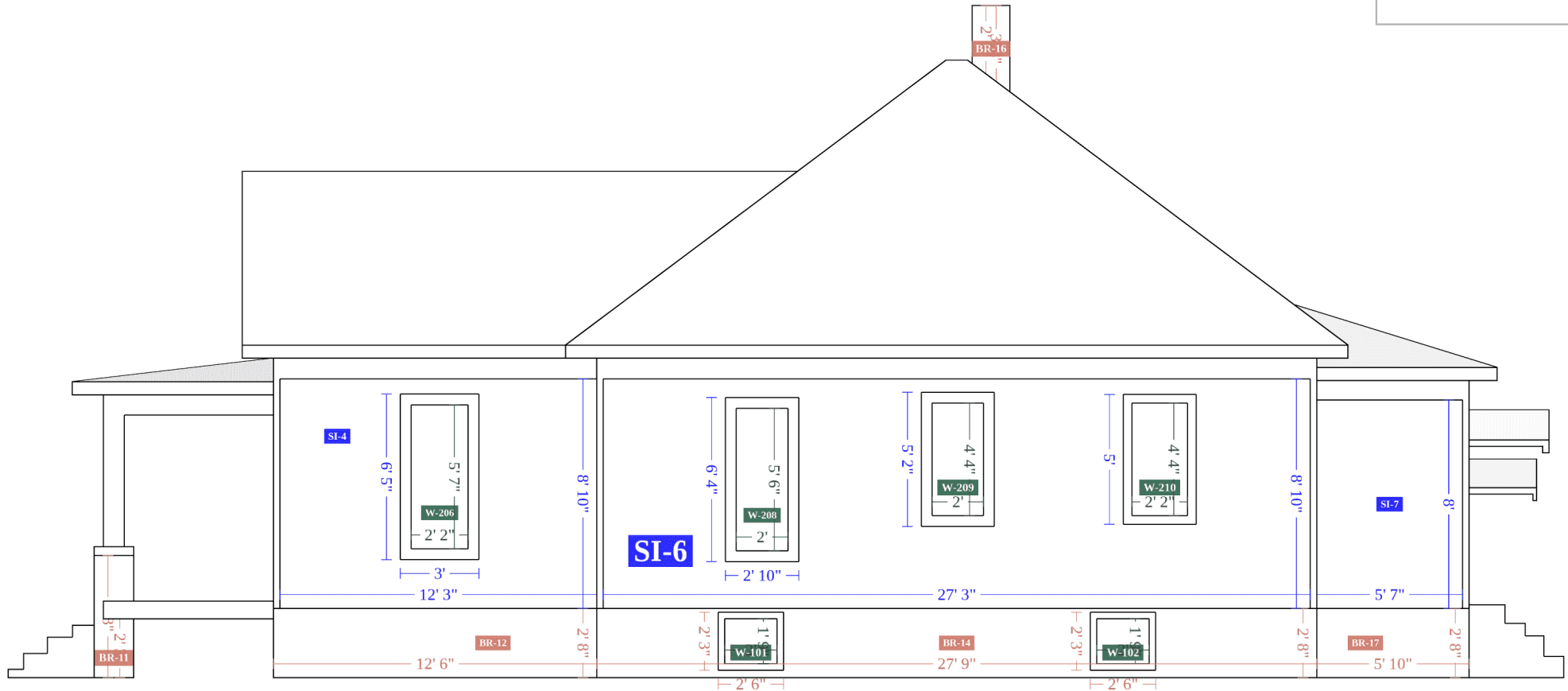
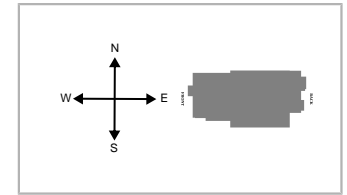
	num	Type	Depth	Length	Area	Pitch
●	1	eave	14"	22' 9"	27 ft <sup>2</sup>	1 / 12
●	2	rake	14"	10' 2"	11 ft <sup>2</sup>	9 / 12
●	3	eave	14"	1' 11"	2 ft <sup>2</sup>	10 / 12
●	4	eave	3"	6' 2"	1 ft <sup>2</sup>	1 / 12
●	5	eave	14"	12' 6"	15 ft <sup>2</sup>	9 / 12
●	6	eave	79"	9' 5"	62 ft <sup>2</sup>	1 / 12
●	7	eave	74"	10"	5 ft <sup>2</sup>	1 / 12
●	8	eave	79"	8'	53 ft <sup>2</sup>	1 / 12
●	9	eave	14"	19'	22 ft <sup>2</sup>	1 / 12
●	10	eave	14"	8' 2"	10 ft <sup>2</sup>	9 / 12
●	11	eave	14"	30' 2"	36 ft <sup>2</sup>	9 / 12
●	12	rake	13"	9' 6"	10 ft <sup>2</sup>	9 / 12
●	13	rake	13"	9' 6"	10 ft <sup>2</sup>	9 / 12
●	14	eave	13"	8' 10"	10 ft <sup>2</sup>	4 / 12
●	15	eave	30"	2' 10"	7 ft <sup>2</sup>	6 / 12
●	16	rake	3"	2' 6"	1 ft <sup>2</sup>	6 / 12
●	17	eave	30"	2' 10"	7 ft <sup>2</sup>	6 / 12
●	18	rake	3"	2' 6"	1 ft <sup>2</sup>	6 / 12
⊘	19	eave	13"	19' 2"	21 ft <sup>2</sup>	4 / 12

	num	Type	Depth	Length	Area	Pitch
●	20	rake	2"	2' 11"	0 ft <sup>2</sup>	5 / 12
●	21	eave	35"	2' 6"	7 ft <sup>2</sup>	5 / 12
●	22	rake	2"	2' 11"	0 ft <sup>2</sup>	5 / 12
●	23	eave	13"	6' 11"	8 ft <sup>2</sup>	4 / 12
●	24	eave	35"	2' 6"	7 ft <sup>2</sup>	5 / 12
●	25	eave	14"	7' 3"	9 ft <sup>2</sup>	9 / 12
●	26	eave	14"	30' 2"	36 ft <sup>2</sup>	9 / 12
●	27	eave	14"	3' 4"	4 ft <sup>2</sup>	9 / 12
●	28	eave	14"	11' 3"	14 ft <sup>2</sup>	9 / 12
●	29	eave	14"	3' 1"	4 ft <sup>2</sup>	10 / 12
●	30	eave	14"	6' 7"	8 ft <sup>2</sup>	1 / 12
●	31	eave	4"	5' 9"	2 ft <sup>2</sup>	1 / 12
●	32	rake	14"	10' 2"	11 ft <sup>2</sup>	9 / 12
●	33	eave	72"	12' 5"	74 ft <sup>2</sup>	1 / 12

⊘ Feature is too small to label on the plan diagram



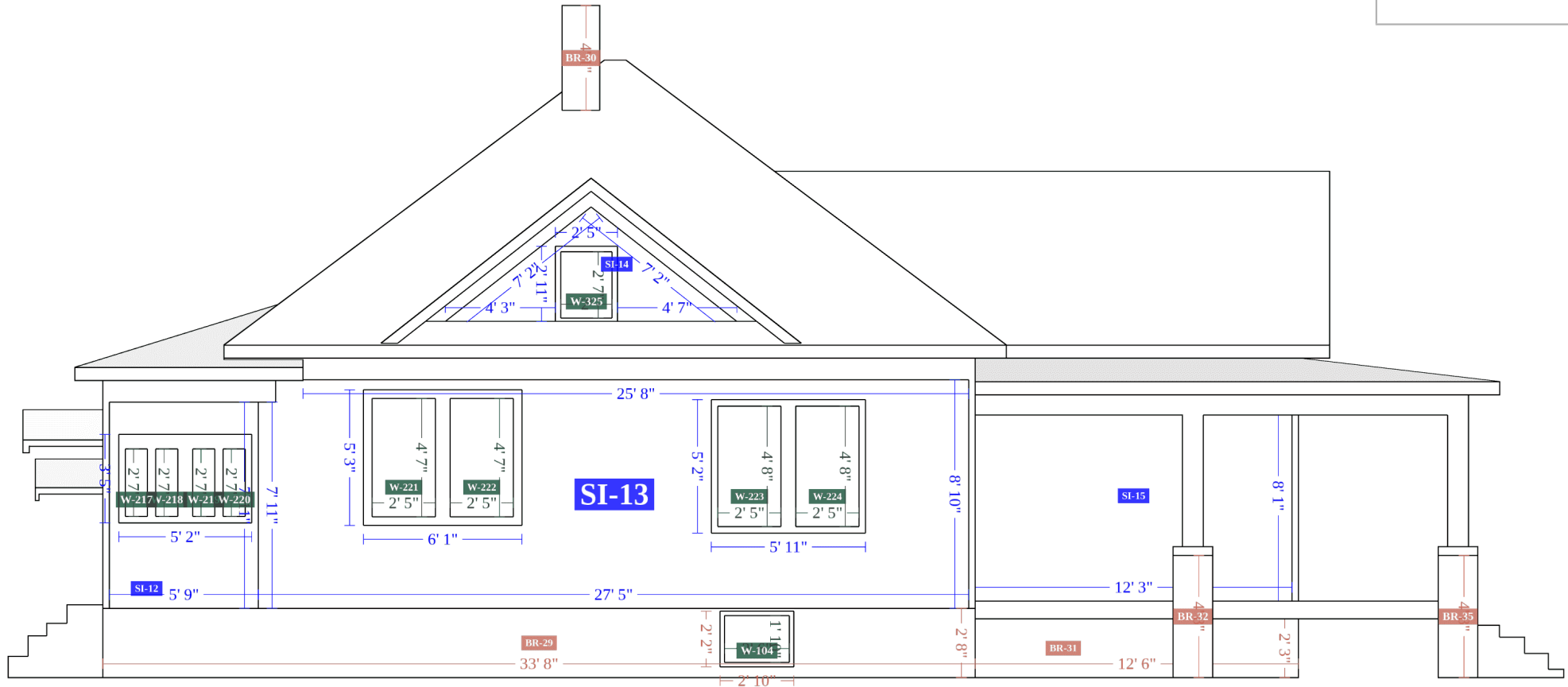
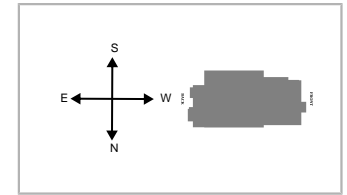


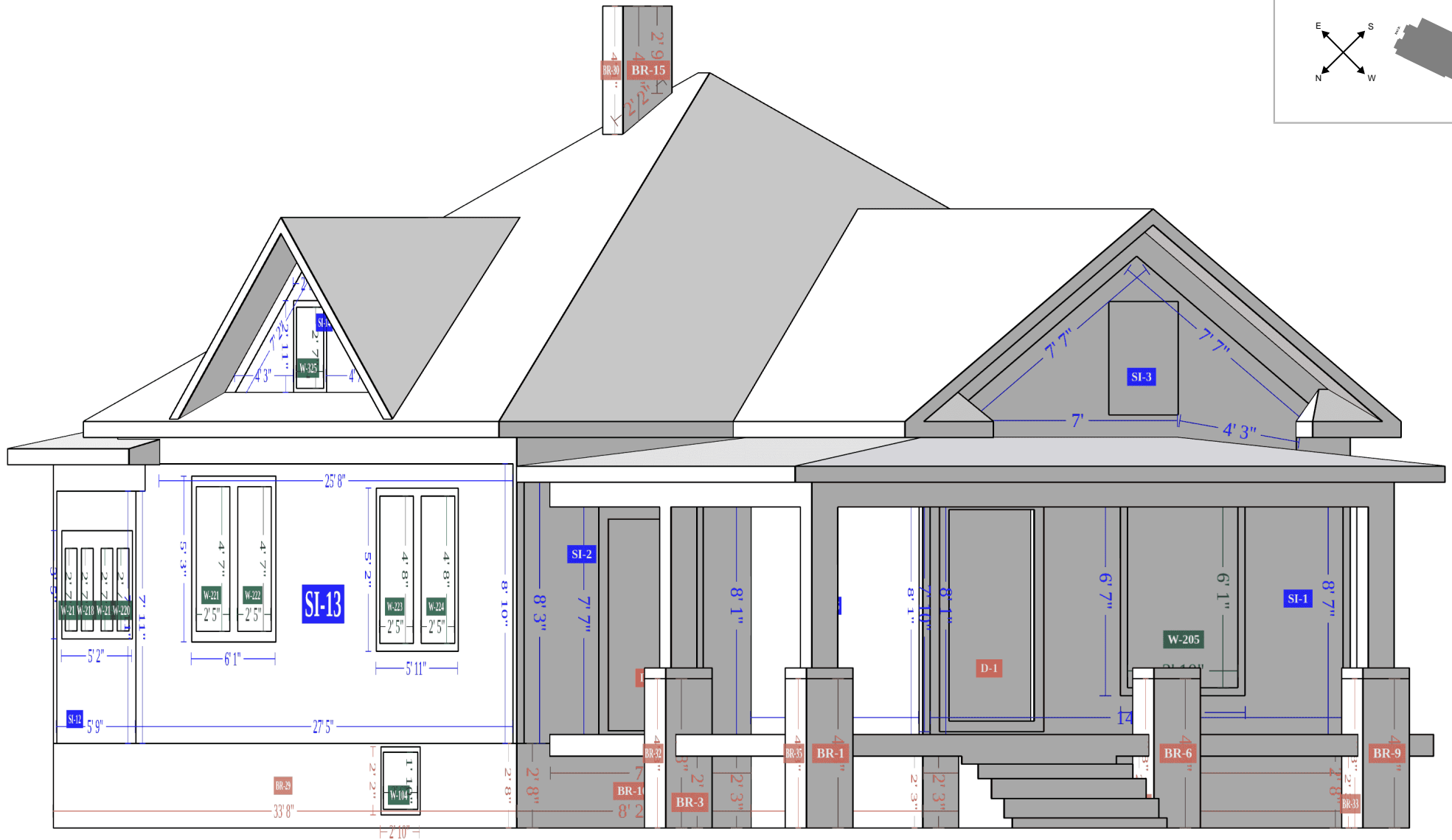
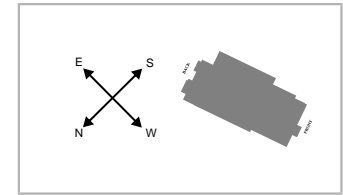












Siding

Facade	Area	Inside Corners	Outside Corners	Openings	Shutters	Vents
SI-1	59 ft <sup>2</sup>	-	2	2	-	-
SI-2	37 ft <sup>2</sup>	1	1	1	-	-
SI-3	42 ft <sup>2</sup>	-	-	-	-	1
SI-4	89 ft <sup>2</sup>	-	2	1	-	-
SI-5	13 ft <sup>2</sup>	-	2	1	-	-
SI-6	195 ft <sup>2</sup>	-	2	3	-	-
SI-7	45 ft <sup>2</sup>	1	1	-	-	-
SI-8	44 ft <sup>2</sup>	2	1	1	-	-
SI-9	3 ft <sup>2</sup>	-	-	-	-	-
SI-10	50 ft <sup>2</sup>	-	-	3	-	-
SI-11	26 ft <sup>2</sup>	-	1	4	-	-
SI-12	28 ft <sup>2</sup>	-	1	4	-	-
SI-13	178 ft <sup>2</sup>	-	1	4	-	-
SI-14	18 ft <sup>2</sup>	-	-	1	-	-
SI-15	99 ft <sup>2</sup>	1	1	-	-	-
SI-16*	0 ft <sup>2</sup>	-	-	-	-	-
<b>Total</b>	<b>926 ft<sup>2</sup></b>	<b>5</b>	<b>15</b>	<b>25</b>	<b>0</b>	<b>1</b>

\* Facet is not visible due to size or location

**Brick**

Facade	Area	Openings	Shutters	Vents
BR-1	8 ft <sup>2</sup>	-	-	-
BR-2	6 ft <sup>2</sup>	-	-	-
BR-3	7 ft <sup>2</sup>	-	-	-
BR-4	3 ft <sup>2</sup>	-	-	-
BR-5	3 ft <sup>2</sup>	-	-	-
BR-6	8 ft <sup>2</sup>	-	-	-
BR-7	6 ft <sup>2</sup>	-	-	-
BR-8	34 ft <sup>2</sup>	-	-	-
BR-9	8 ft <sup>2</sup>	-	-	-
BR-10	19 ft <sup>2</sup>	-	-	-
BR-11	6 ft <sup>2</sup>	-	-	-
BR-12	33 ft <sup>2</sup>	-	-	-
BR-13	9 ft <sup>2</sup>	-	-	-
BR-14	63 ft <sup>2</sup>	2	-	-
BR-15	6 ft <sup>2</sup>	-	-	-
BR-16	4 ft <sup>2</sup>	-	-	-
BR-17	16 ft <sup>2</sup>	-	-	-
BR-18	4 ft <sup>2</sup>	-	-	-
BR-19	3 ft <sup>2</sup>	-	-	-

Brick (cont.)

Facade	Area	Openings	Shutters	Vents
BR-20	4 ft <sup>2</sup>	-	-	-
BR-21	3 ft <sup>2</sup>	-	-	-
BR-22	7 ft <sup>2</sup>	-	-	-
BR-23	7 ft <sup>2</sup>	-	-	-
BR-24	6 ft <sup>2</sup>	-	-	-
BR-25	14 ft <sup>2</sup>	1	-	-
BR-26	2 ft <sup>2</sup>	-	-	-
BR-27	18 ft <sup>2</sup>	-	-	-
BR-28	5 ft <sup>2</sup>	-	-	-
BR-29	84 ft <sup>2</sup>	1	-	-
BR-30	6 ft <sup>2</sup>	-	-	-
BR-31	28 ft <sup>2</sup>	-	-	-
BR-32	7 ft <sup>2</sup>	-	-	-
BR-33	6 ft <sup>2</sup>	-	-	-
BR-34	6 ft <sup>2</sup>	-	-	-
BR-35	7 ft <sup>2</sup>	-	-	-
Total	456 ft <sup>2</sup>	4	0	0

Facades

Facade	Area	Trim			Corners		Roofline		Openings		
		Level Starter	Sloped	Vertical	Inside	Outside	Level Frieze Board	Sloped Frieze Board	Tops	Sills	Sides
SI-1	59 ft <sup>2</sup>	14' 5"	8"	2' 3"	-	17' 9"	15' 7"	-	8'	8'	28' 10"
SI-2	37 ft <sup>2</sup>	4' 4"	-	2'	8' 1"	8' 3"	7' 6"	-	3' 8"	-	15' 2"
SI-3	42 ft <sup>2</sup>	7'	5' 8"	1'	-	-	-	17'	-	-	-
SI-4	89 ft <sup>2</sup>	12' 3"	-	-	-	18' 6"	12' 6"	-	3'	3'	12' 9"
SI-5	13 ft <sup>2</sup>	3' 1"	-	-	-	18' 6"	3' 4"	-	2' 8"	2' 8"	10' 3"
SI-6	195 ft <sup>2</sup>	27' 3"	-	-	-	19' 3"	27' 9"	-	8' 5"	8' 5"	33'
SI-7	45 ft <sup>2</sup>	5' 7"	-	-	8'	8' 9"	5' 10"	-	-	-	-
SI-8	44 ft <sup>2</sup>	7'	-	1"	8' 9"	9' 8"	8' 4"	-	2' 11"	2' 11"	12' 8"
SI-9	3 ft <sup>2</sup>	8"	-	-	-	-	-	8"	-	-	4' 9"
SI-10	50 ft <sup>2</sup>	6' 5"	6' 3"	6"	-	-	19' 2"	5' 4"	6'	2' 11"	20' 6"
SI-11	26 ft <sup>2</sup>	4' 10"	3' 10"	2"	-	8' 9"	19' 2"	2"	4' 9"	4' 7"	12' 11"
SI-12	28 ft <sup>2</sup>	5' 9"	-	-	-	8' 9"	6' 8"	-	5' 2"	5' 2"	6' 10"
SI-13	178 ft <sup>2</sup>	27' 5"	-	-	-	8' 3"	36' 8"	-	12' 1"	12' 1"	20' 9"
SI-14	18 ft <sup>2</sup>	8' 10"	-	-	-	-	-	16' 3"	2' 5"	-	5' 9"
SI-15	99 ft <sup>2</sup>	12' 3"	-	-	8' 1"	8' 1"	12' 3"	-	-	-	-
SI-16 <sup>†</sup>	0 ft <sup>2</sup>	4"	-	1"	-	-	-	-	-	4"	-
Total*	926 ft <sup>2</sup>	147' 6"	16' 5"	6' 1"	16' 11"	71' 8"	174' 10"	39' 5"	59' 1"	50' 1"	184' 2"

\*Totals de-duplicate any line segments that are shared between multiple facades, and as a result may not represent a total summation of the corresponding column.

† Facet is not visible due to size or location

**Example Waste Factor Calculations**

**SIDING & TRIM ONLY**

	Zero Waste	+10%	+18%
SI-1	59 ft <sup>2</sup>	65 ft <sup>2</sup>	70 ft <sup>2</sup>
SI-2	37 ft <sup>2</sup>	41 ft <sup>2</sup>	44 ft <sup>2</sup>
SI-3	42 ft <sup>2</sup>	46 ft <sup>2</sup>	50 ft <sup>2</sup>
SI-4	89 ft <sup>2</sup>	98 ft <sup>2</sup>	105 ft <sup>2</sup>
SI-5	13 ft <sup>2</sup>	14 ft <sup>2</sup>	15 ft <sup>2</sup>
SI-6	195 ft <sup>2</sup>	215 ft <sup>2</sup>	230 ft <sup>2</sup>
SI-7	45 ft <sup>2</sup>	50 ft <sup>2</sup>	53 ft <sup>2</sup>
SI-8	44 ft <sup>2</sup>	48 ft <sup>2</sup>	52 ft <sup>2</sup>
SI-9	3 ft <sup>2</sup>	3 ft <sup>2</sup>	4 ft <sup>2</sup>
SI-10	50 ft <sup>2</sup>	55 ft <sup>2</sup>	59 ft <sup>2</sup>
SI-11	26 ft <sup>2</sup>	29 ft <sup>2</sup>	31 ft <sup>2</sup>
SI-12	28 ft <sup>2</sup>	31 ft <sup>2</sup>	33 ft <sup>2</sup>
SI-13	178 ft <sup>2</sup>	196 ft <sup>2</sup>	210 ft <sup>2</sup>
SI-14	18 ft <sup>2</sup>	20 ft <sup>2</sup>	21 ft <sup>2</sup>
SI-15	99 ft <sup>2</sup>	109 ft <sup>2</sup>	117 ft <sup>2</sup>
SI-16	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>

**+ OPENINGS < 20FT<sup>2</sup>**

	Zero Waste	+10%	+18%
	59 ft <sup>2</sup>	65 ft <sup>2</sup>	70 ft <sup>2</sup>
	37 ft <sup>2</sup>	41 ft <sup>2</sup>	44 ft <sup>2</sup>
	42 ft <sup>2</sup>	46 ft <sup>2</sup>	50 ft <sup>2</sup>
	101 ft <sup>2</sup>	111 ft <sup>2</sup>	119 ft <sup>2</sup>
	22 ft <sup>2</sup>	24 ft <sup>2</sup>	26 ft <sup>2</sup>
	224 ft <sup>2</sup>	246 ft <sup>2</sup>	264 ft <sup>2</sup>
	45 ft <sup>2</sup>	50 ft <sup>2</sup>	53 ft <sup>2</sup>
	55 ft <sup>2</sup>	61 ft <sup>2</sup>	65 ft <sup>2</sup>
	3 ft <sup>2</sup>	3 ft <sup>2</sup>	4 ft <sup>2</sup>
	96 ft <sup>2</sup>	106 ft <sup>2</sup>	113 ft <sup>2</sup>
	34 ft <sup>2</sup>	37 ft <sup>2</sup>	40 ft <sup>2</sup>
	36 ft <sup>2</sup>	40 ft <sup>2</sup>	42 ft <sup>2</sup>
	222 ft <sup>2</sup>	244 ft <sup>2</sup>	262 ft <sup>2</sup>
	23 ft <sup>2</sup>	25 ft <sup>2</sup>	27 ft <sup>2</sup>
	99 ft <sup>2</sup>	109 ft <sup>2</sup>	117 ft <sup>2</sup>
	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>

**+ OPENINGS < 33FT<sup>2</sup>**

	Zero Waste	+10%	+18%
	103 ft <sup>2</sup>	113 ft <sup>2</sup>	122 ft <sup>2</sup>
	57 ft <sup>2</sup>	63 ft <sup>2</sup>	67 ft <sup>2</sup>
	42 ft <sup>2</sup>	46 ft <sup>2</sup>	50 ft <sup>2</sup>
	101 ft <sup>2</sup>	111 ft <sup>2</sup>	119 ft <sup>2</sup>
	22 ft <sup>2</sup>	24 ft <sup>2</sup>	26 ft <sup>2</sup>
	224 ft <sup>2</sup>	246 ft <sup>2</sup>	264 ft <sup>2</sup>
	45 ft <sup>2</sup>	50 ft <sup>2</sup>	53 ft <sup>2</sup>
	55 ft <sup>2</sup>	61 ft <sup>2</sup>	65 ft <sup>2</sup>
	3 ft <sup>2</sup>	3 ft <sup>2</sup>	4 ft <sup>2</sup>
	96 ft <sup>2</sup>	106 ft <sup>2</sup>	113 ft <sup>2</sup>
	34 ft <sup>2</sup>	37 ft <sup>2</sup>	40 ft <sup>2</sup>
	36 ft <sup>2</sup>	40 ft <sup>2</sup>	42 ft <sup>2</sup>
	222 ft <sup>2</sup>	244 ft <sup>2</sup>	262 ft <sup>2</sup>
	23 ft <sup>2</sup>	25 ft <sup>2</sup>	27 ft <sup>2</sup>
	99 ft <sup>2</sup>	109 ft <sup>2</sup>	117 ft <sup>2</sup>
	0 ft <sup>2</sup>	0 ft <sup>2</sup>	0 ft <sup>2</sup>

**SIDING & TRIM ONLY (CONT.)**

	<b>Zero Waste</b>	<b>+10%</b>	<b>+18%</b>
<b>Trims</b>	191 ft <sup>2</sup>	210 ft <sup>2</sup>	225 ft <sup>2</sup>
<b>Total</b>	1117 ft <sup>2</sup>	1230 ft <sup>2</sup>	1319 ft <sup>2</sup>

**+ OPENINGS < 20FT<sup>2</sup>**

	<b>Zero Waste</b>	<b>+10%</b>	<b>+18%</b>
	303 ft <sup>2</sup>	333 ft <sup>2</sup>	358 ft <sup>2</sup>
	1401 ft <sup>2</sup>	1541 ft <sup>2</sup>	1654 ft <sup>2</sup>

**+ OPENINGS < 33FT<sup>2</sup>**

	<b>Zero Waste</b>	<b>+10%</b>	<b>+18%</b>
	303 ft <sup>2</sup>	333 ft <sup>2</sup>	358 ft <sup>2</sup>
	1465 ft <sup>2</sup>	1611 ft <sup>2</sup>	1729 ft <sup>2</sup>

The first Siding Waste Factor table is calculated using the total ft<sup>2</sup> of siding facades, ft<sup>2</sup> of trim touching siding, and ft<sup>2</sup> of unknowns touching siding.

The tables above provide the area of siding on a given property, segmented by individual and in sum total form. Values include openings (doors & windows) and waste percentages as noted. Please consider that area values and specific waste factors can be influenced by the size and complexity of the property, captured image quality, specific siding techniques, and your own level of expertise. Accessories are not included in these values and may require additional material.

These tables are only intended to make common waste calculations easier and should not be interpreted as recommendations.

Windows

Group	Group Width x Height	Group United Inches	Opening	Width x Height	United Inches	Area
WG-1	24" x 21"	45"	W-101	24" x 21"	45"	4 ft <sup>2</sup>
WG-2	24" x 21"	45"	W-102	24" x 21"	45"	4 ft <sup>2</sup>
WG-3	30" x 21"	51"	W-103	30" x 21"	51"	4 ft <sup>2</sup>
WG-4	30" x 22"	52"	W-104	30" x 22"	52"	5 ft <sup>2</sup>
WG-5	46" x 73"	119"	W-205	46" x 73"	119"	24 ft <sup>2</sup>
WG-6	26" x 67"	93"	W-206	26" x 67"	93"	12 ft <sup>2</sup>
WG-7	24" x 54"	78"	W-207	24" x 54"	78"	9 ft <sup>2</sup>
WG-8	24" x 66"	90"	W-208	24" x 66"	90"	11 ft <sup>2</sup>
WG-9	24" x 52"	76"	W-209	24" x 52"	76"	9 ft <sup>2</sup>
WG-10	26" x 52"	78"	W-210	26" x 52"	78"	9 ft <sup>2</sup>
WG-11	25" x 66"	91"	W-211	25" x 66"	91"	11 ft <sup>2</sup>
WG-12	29" x 49"	78"	W-212	29" x 49"	78"	10 ft <sup>2</sup>
WG-13	49" x 31"	80"	W-213	8" x 31"	40"	2 ft <sup>2</sup>
			W-214	8" x 31"	40"	2 ft <sup>2</sup>
			W-215	8" x 31"	40"	2 ft <sup>2</sup>
			W-216	8" x 31"	40"	2 ft <sup>2</sup>

Windows (cont.)

Group	Group Width x Height	Group United Inches	Opening	Width x Height	United Inches	Area
WG-14	56" x 31"	87"	W-217	10" x 31"	41"	2 ft <sup>2</sup>
			W-218	10" x 31"	41"	2 ft <sup>2</sup>
			W-219	10" x 31"	41"	2 ft <sup>2</sup>
			W-220	10" x 31"	41"	2 ft <sup>2</sup>
WG-15	65" x 55"	120"	W-221	29" x 55"	84"	11 ft <sup>2</sup>
			W-222	29" x 55"	84"	11 ft <sup>2</sup>
WG-16	65" x 56"	121"	W-223	29" x 56"	85"	11 ft <sup>2</sup>
			W-224	29" x 56"	85"	11 ft <sup>2</sup>
WG-17	24" x 31"	54"	W-325	24" x 31"	54"	5 ft <sup>2</sup>
			Total	-	1614"	177 ft <sup>2</sup>

**Doors**

Opening	Width x Height
D-1	36" x 80"
D-2	36" x 80"
D-3	32" x 82"
D-4	32" x 80"

\*Door height and width have been snapped to standard

**Entire Doors**

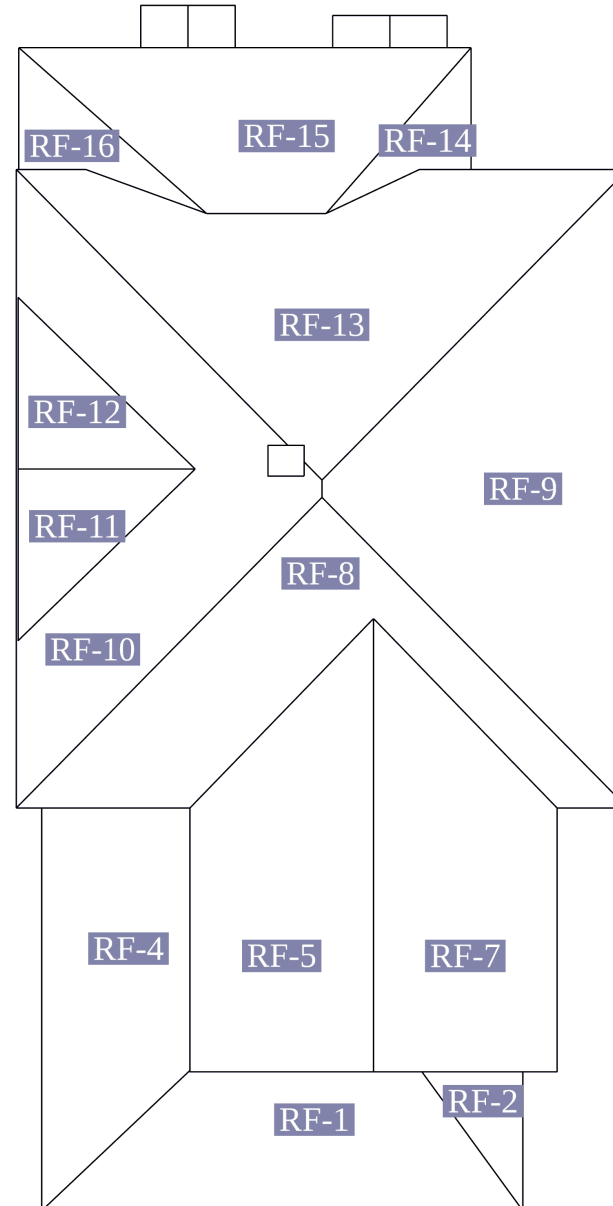
Opening	Width x Height	Area
D-1	36" x 80"	20 ft <sup>2</sup>
D-2	36" x 80"	20 ft <sup>2</sup>
D-3	32" x 83"	18 ft <sup>2</sup>
D-4	32" x 74"	16 ft <sup>2</sup>
<b>Total</b>	-	<b>74 ft<sup>2</sup></b>

\*Total door square footage includes entire door package (e.g. with transoms, sidelites, etc.)



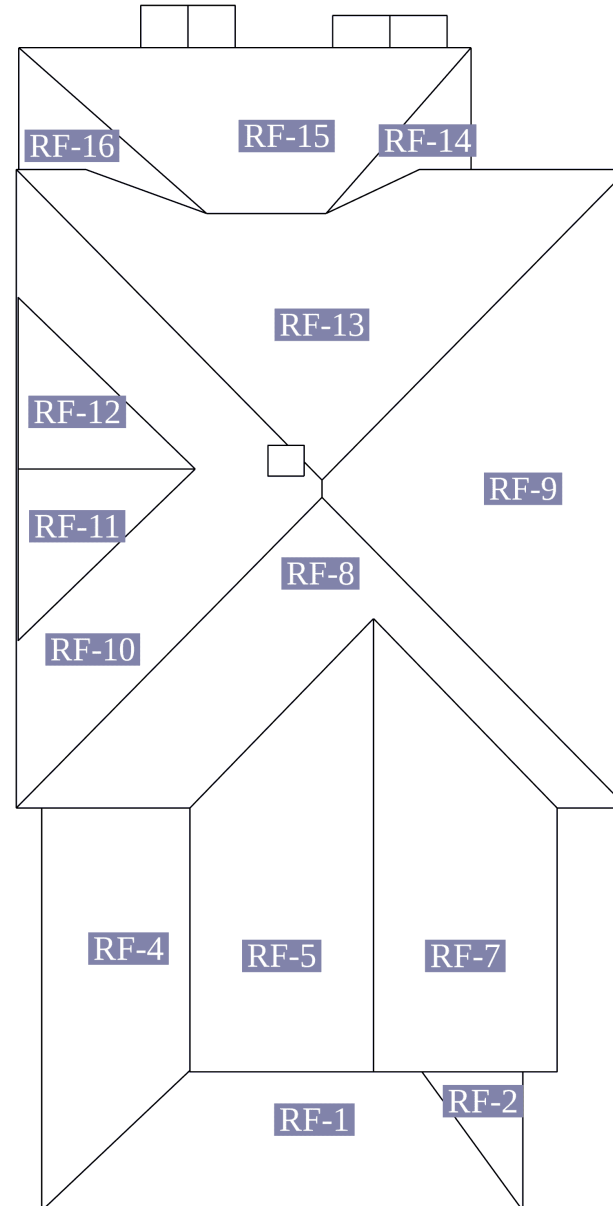
Roof Facets

Facet	Area	Pitch
RF-1	124 ft <sup>2</sup>	1/12
RF-2	22 ft <sup>2</sup>	1/12
RF-3	2 ft <sup>2</sup>	10/12
RF-4	135 ft <sup>2</sup>	1/12
RF-5	186 ft <sup>2</sup>	9/12
RF-6	2 ft <sup>2</sup>	10/12
RF-7	186 ft <sup>2</sup>	9/12
RF-8	168 ft <sup>2</sup>	9/12
RF-9	281 ft <sup>2</sup>	9/12
RF-10	213 ft <sup>2</sup>	9/12
RF-11	43 ft <sup>2</sup>	9/12
RF-12	43 ft <sup>2</sup>	9/12
RF-13	237 ft <sup>2</sup>	9/12
RF-14	20 ft <sup>2</sup>	4/12
RF-15	111 ft <sup>2</sup>	4/12
RF-16	26 ft <sup>2</sup>	4/12
RF-17	8 ft <sup>2</sup>	5/12
RF-18	8 ft <sup>2</sup>	5/12
RF-19	8 ft <sup>2</sup>	6/12

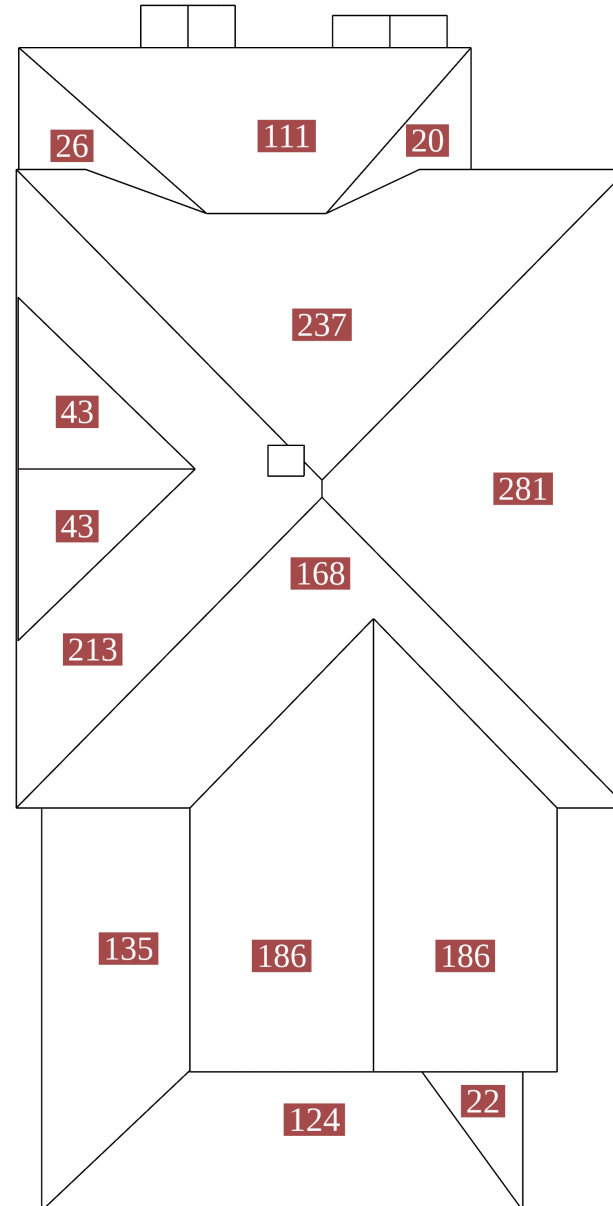


Roof Facets (cont.)

Facet	Area	Pitch
RF-20	8 ft <sup>2</sup>	6/12



Roof	Facets	Total
Labeled Facets	20	1831 ft <sup>2</sup>
Small Facets	2	2 ft <sup>2</sup>
<b>Total</b>	<b>22</b>	<b>1833 ft<sup>2</sup></b>



Roof Pitch	Area	Percentage
9 / 12	1357 ft <sup>2</sup>	74.03%
1 / 12	281 ft <sup>2</sup>	15.33%
4 / 12	157 ft <sup>2</sup>	8.57%
5 / 12	16 ft <sup>2</sup>	0.87%
6 / 12	16 ft <sup>2</sup>	0.87%
10 / 12	4 ft <sup>2</sup>	0.22%
15 / 12	2 ft <sup>2</sup>	0.11%

