



PIEDMONT TRIAD AIRPORT AUTHORITY

RESIDENTIAL SOUND INSULATION PROGRAM

PHASE 7 PROJECT MANUAL

January, 2019

Contents:

- 1. Notice to Bidders**
- 2. Instructions to Bidders**
- 3. Bid Form**
- 4. Construction Contract**
- 5. Site Specific Specifications**
- 6. Supplemental Terms and Conditions**

NOTICE TO BIDDERS

NOTICE TO BIDDERS

The Piedmont Triad Airport Authority will receive bids for Phase 7 of its Residential Sound Insulation Program in the Stanley Frank Board Room at the Piedmont Triad International Airport until 10:00 a.m. on February 11, 2019, at which time and place the bids will be opened and read aloud. Bids received after that time will not be accepted.

The work consists of making sound insulation improvements to the residences that are located at the addresses specified in the bid documents. The primary improvements for each residence are itemized in Site Specific Specifications for that residence, which are included in the bid documents. Other improvements may be required if needed for a particular house, as provided for in the bid documents. All improvements will be made in accordance with the General Specifications for the project describing how the various types of work should be performed. Materials and products described in the General Specifications establish a standard of required function, dimension, appearance, and quality that must be met by any proposed substitutions.

A bid security equal to 5% of the total bid is required to be submitted with each bid. No bid may be withdrawn for a period of 60 days after the closing time for receipt of bids.

The contract specifications for the proposed work may be examined each weekday, from 9:00 a.m. to 5:00 p.m., at the Authority's Offices at 1000-A Ted Johnson Parkway, Greensboro, N.C. 27409, or downloaded from the Authority's website, www.flyfrompti.com, in the "RFP, RFQ & Bid Docs" section under "Airport Operations." Bidders may make arrangements for inspecting the houses included in the project by contacting Lorin Akins, the Project Manager, at 336-665-5612.

Payment and Performance Bonds in the amount of 100% of the contract price shall be required from the successful bidder upon award of the contract.

Certain mandatory federal requirements apply to this solicitation and will be made a part of any contract awarded, including, without limitation:

- a. President's Executive Order No. 11246 as amended.
- b. Davis Bacon and Related Acts, 29 CFR Part 5.

- c. Copeland Act and 29 CFR Parts 3 and 5.
- d. Contract Work Hours and Safety Standards Act.
- e. Title VI of Civil Rights Act of 1964.
- f. Foreign Trade Restrictions, 49 CFR Part 30.
- g. Buy American Preference, 49 USC 50101.
- h. Certification Regarding Disbarment, Suspension, Ineligibility and Voluntary Exclusion, 2 CFR Part 180.
- i. Affirmative Action, 41 CFR Part 60-4.
- j. Certification Regarding Lobbying of Federal Employees, 49 CFR Part 20, Appendix A.
- k. Procurement of Recovered Materials, 2 CFR 200.322.

Bidders intending to subcontract any part of the work are alerted to the requirements of the Contract Documents that they take affirmative steps to assure that minority businesses and women's business enterprises are used when possible.

The requirements of 49 CFR Part 26 apply to this contract. It is the policy of the Piedmont Triad Airport Authority to practice non-discrimination based on race, color, sex or national origin in the award or performance of this contract. The Authority encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

The Piedmont Triad Airport Authority, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the implementing Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Each bidder must be properly licensed under Chapter 87, General Statutes of North Carolina (G.S. 87-15).

The Piedmont Triad Airport Authority reserves the right to waive any informalities or irregularities in any bids or to reject any or all bids and to award or refrain from awarding a contract for the work. Bids may be rejected by the Authority's governing Board, in its sole discretion, for sound, documented reasons.

INSTRUCTIONS TO BIDDERS

**PIEDMONT TRIAD AIRPORT AUTHORITY
RESIDENTIAL SOUND INSULATION PROGRAM**

PHASE 7 PROJECT

INSTRUCTIONS TO BIDDERS

The Piedmont Triad Airport Authority invites you to submit a bid for making sound insulation improvements to the houses in Phase 7 of its Residential Sound Insulation Program in accordance with the Construction Contract form, the Site Specific Specifications (SSS) for each of the individual houses and the other Contract Documents that are included in this Project Manual and listed on Exhibit A to these Instructions. The addresses for the houses are listed on the Bid Form and on Schedule 1 of the Construction Contract. The primary improvements to be made to each house and the Homeowner color selections for those improvements are specified in the SSS for that house. Other improvements will also be required as needed for various houses. These are described in ARTICLE I of the Construction Contract and will be performed on a unit price basis.

The bidding and award of the Contract shall be conducted as follows:

1. To be considered, a bid must be submitted on the Bid Form included in this Bid Package on or before

**February 11, 2019
at
10:00 A.M.
at the offices of the
Piedmont Triad Airport Authority
Airport Terminal Building
1000A Ted Johnson Parkway
Greensboro, N.C. 27409**

Bids received after such time will not be considered. Bids should be submitted in a sealed envelope addressed to the Project Manager, Lorin Akins, at the above address. At the time and date specified above, the bids will be opened and read aloud in the Stanley Frank Board Room at the Airport.

2. Bids must be presented on the Bid Form included in the Project Manual. The Bid Form, with attached documents, must be completed in full in ink or by typewriter on a copy thereof

downloaded from the Authority website or provided by the Authority upon your request. Bids may be submitted by hand, by mail or by other delivery system. Bids must be received at the Authority offices by the date and hour specified above regardless of how the bids are delivered to the Authority, and even if a bid is posted in the mail or deposited with another carrier prior to that time. All bids shall remain open for acceptance by the Authority for 60 days after the bid opening date.

3. Bidders must submit on the required lines of the Bid Form:
 - a. A fixed price on the bid line for each house (the "Base House Price") for Bidder to make the improvements that are specified on the SSS for such house, including installation of acoustical storm windows and storm doors, and, if called for in the SSS for that house, replacement of existing siding, sound stripping of crawl space doors, and installation of central air conditioning;
 - b. The total of the Base House Prices for all of the houses;
 - c. Per house unit prices for installing attic stair cover boxes, for increasing attic insulation, and for replacing weather stripping on exterior doors. These additional improvements will be made to all houses for which such additional improvements are needed as determined by the criteria specified in ARTICLE I of the Construction Contract. The per house unit prices for each type of improvement should be multiplied on the Bid Form by the estimated number of houses indicated on the unit price line for that improvement to arrive at the extended price for the work. (The estimates are provided solely for the sake of comparing bids and the final price that is paid to the Contractor for each type of unit price work will depend on the final number of houses for which such work is actually performed.)
 - d. The total of the extended unit prices for all of the unit price work; and
 - e. The Total Contract Price, being the sum of the Base House Price and Unit Price Totals.

The lowest responsible bid shall be determined by the Total Contract Price.

4. No bid shall be considered or accepted by the Authority unless at the time of its submission the bid is accompanied by a deposit with the Authority of cash, or cashier's check, or a certified check on some bank or trust company insured by the Federal Deposit Insurance Corporation in an amount equal to not less than five percent (5%) of the Total Contract Price specified in the Bid. In lieu of making a cash deposit, a Bidder may file a bid bond executed by a corporate surety licensed under the laws of North Carolina to execute such bonds, conditioned that the surety will upon demand forthwith make payment to the Authority upon said bond if the Bidder is awarded the Contract but fails within 10 days after being notified of such award to execute the contract and deliver the contract to the Authority or fails within such time to provide the Payment and Performance Bonds required in the Contract Documents.
5. Bidders are advised that the Authority may issue Addenda to the Bid Documents at any time prior to the bid opening. If issued by the Authority, an Addendum will be posted on the Authority's website at www.flyfrompti.com in the "RFP, RFQ & Bid Docs" section under "Airport Operations." BEFORE SUBMITTING BIDS, BIDDERS SHOULD MONITOR THE WEBSITE FOR ANY ADDENDA THAT MAY BE ISSUED AND SHOULD ACKNOWLEDGE RECEIPT OF SUCH ADDENDA AT THE PLACE INDICATED ON THE BID FORM. Bidders will be bound by any Addendum posted on the website whether or not the Bidder was actually aware of the Addendum.
6. All questions regarding the meaning or intent of these Instructions or of the Contract Documents should be submitted to Mr. Akins on or before February 1, 2019, via regular mail at the Authority address specified above or by e-mail at akinsl@gsoair.org. Questions submitted in any other form or after such date will be disregarded. Replies, when considered appropriate by Mr. Akins, will be issued by Addenda in the manner described above.
7. The materials, product and equipment described in the Contract Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitution will be considered unless the Authority has received a written request for approval by February 1, 2019. Such requests shall include the name of the material, product or equipment that would be replaced by the proposed substitution, a complete description of the proposed substitution including drawings, performance and test data, color, and appearance, installation details in substitution for the drawings in the General Specifications,

and other information necessary for an evaluation. A statement shall be included setting forth any changes in other materials, equipment or other portions of the work that would be necessary to incorporate the proposed substitution. The burden of proof of the merit of a proposed substitution is upon the Bidder. The Authority reserves the right to consult with the affected homeowners concerning any requests for substitutions. The Authority will inform the Bidder in writing as to whether a proposed substitution will be accepted, and the Authority's decision whether to approve or disapprove a proposed substitution shall be final. Bidders shall not rely upon approvals made in any other manner. No substitutions will be approved after award of the Construction Contract unless specifically provided for in the Contract Documents.

8. The award of the contract, if it is awarded, will be to the lowest responsible, responsive Bidder. In no case will the award be made until all necessary investigations have been completed to determine the qualifications of the low bidder. To demonstrate qualifications to perform the work, all Bidders must complete the Bidder's Qualification Questionnaire in the Bid Form, and the Bidder submitting the lowest responsive bid must submit, within seven days after the due date for the bids, any other evidence of the Bidder's qualifications that may be required by the Authority, such as, but not limited to, financial data and previous experience.
9. The Bidder to which the contract is awarded shall sign the Construction Contract in the form included with this Project Manual, with appropriate insertions in the blank spaces to conform to the terms of the successful bid, and shall return the signed contract to the Authority, along with the required Payment and Performance Bonds, within 10 days after being notified by the Authority of the award. No contract shall be considered binding upon the Authority until it has been properly executed by both the successful bidder and the Authority.
10. The successful bidder shall submit to the Authority, with the executed Construction Contract (i) a Payment Bond conditioned upon the prompt payment for all labor or materials for which such bidder or any of its subcontractors is liable and (ii) a Performance Bond conditioned upon the faithful performance of the Construction Contract in accordance with the plans, specifications and conditions of the contract. Each of the bonds shall be in the amount of 100% of the Total Contract Sum specified in the Bid, shall be executed by one or more sureties legally authorized to do business

in the State of North Carolina, and shall take the form for such bond in N.C.G.S. Section 44A-33 or be substantially equivalent thereto.

11. Bids may be withdrawn by written communication with the Authority without prejudice to the Bidder if the written withdrawal is received by the Authority before the bid opening time specified in Paragraph 1 above for receipt of bids. The Bid will be returned unopened.
12. By submitting a bid, the Bidder certifies that the Bidder has reviewed all of the Contract Documents. If there are any contradictions within the specifications or drawings concerning quantity, quality or method of installation, the Bidder shall include the cost of furnishing the more expensive item or installation, and the greater quantity.
13. The Authority, upon request, will provide an opportunity, prior to the due date for the bids, for Bidders to inspect the homes where the work is to be performed under the Contract. All bidders are invited to examine the samples for various types of sound insulation improvements that are on display at the Authority's Noise Office on North Regional Road by making an appointment with Mr. Akins.
14. Notice of Requirement for Affirmative Action - 41 CFR 60-4.2:
 - a. The Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" in Exhibit A of the Construction Contract.
 - b. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade	16.4%
Goals for female participation in each trade	6.9%

These goals are applicable to all of the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area.

If the Contractor performs construction work in a geographical area located outside the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its Federally-involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training shall be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project, for the sole purpose of meeting the Contractor's goals, shall be a violation of the contract, the Executive Order, and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

- c. The Contractor shall provide written notification to the Director, OFCCP, within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of subcontract; and the geographical area in which the subcontract is to be performed.
 - d. As used in this notice and in the contract resulting from this solicitation, the "covered area" is Guilford County, North Carolina.
15. In accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the applicable regulations, the Authority hereby notifies all Bidders that it will affirmatively ensure that, with respect to any contract entered into pursuant to this bid solicitation, disadvantaged business enterprises will be afforded full and fair opportunity to submit

bids in response to this solicitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

16. The Authority reserves the right to waive any informalities or irregularities in any bid, and to reject any and all bids and to award or refrain from awarding a contract for the work. Bids may be rejected by the Authority's governing Board, in its sole discretion, for sound, documented reasons.

PIEDMONT TRIAD AIRPORT AUTHORITY
Guilford County, N.C.

EXHIBIT A

Contract Documents

1. Construction Contract including Schedule 1 and Exhibit A attached to the Construction Contract.
2. Site Specific Specifications including written specifications and photographs of house exteriors.
3. Supplemental Terms and Conditions, Residential Sound Insulation Program consisting of:
 - Contractor Insurance Requirements
 - General Specifications
 - Homeowner Warranty Form
 - Contractor's Affidavit and Final Waiver of Lien
4. Payment and Performance Bonds required by ARTICLE XVIII of the Construction Contract.
5. Any Addenda issued by the Authority prior to the bid opening.

BID FORM

BID FORM

**Residential Sound Insulation Program
Piedmont Triad Airport Authority**

Phase 7 Project

Date: _____

Name of Bidder: _____

USPS Address: _____

Telephone No.: _____

Email Address: _____

Bidder's Contractor License No.: _____

1. The undersigned Bidder, having carefully examined the Instructions to Bidders, the form of the Construction Contract for the above-referenced Project, the Site Specific Specifications for the houses in the Project, the Supplemental Terms and Conditions for the Project, and all Bid Addenda, and being familiar with all conditions and requirements of the Construction Contract, and having had an opportunity to visit the Project sites, as listed below, hereby offers to furnish all material, labor, and services needed to complete the construction described in the Contract Documents in accordance with the terms and conditions thereof for the Base House Price specified below for each of the individual houses in the Project plus the applicable per house unit price that is specified below for each unit price improvement that is required to be made under the terms of the Contract Documents, as follows:

BASE HOUSE PRICES

<u>House</u>	<u>Bid Amount</u>
8006 Tam O'Shanter Dr., Greensboro, NC	\$ _____
604 O'Rourke Dr., Greensboro, NC	\$ _____
8012 Tam O'Shanter Dr., Greensboro, NC	\$ _____

8241 Tyner Road, Colfax, NC	\$_____
8127 Renfrew Road, Greensboro, NC	\$_____
8126 Thorndike Road, Greensboro, NC	\$_____
8112 Renfrew Road, Greensboro, NC	\$_____
8122 Thorndike Road, Greensboro, NC	\$_____
4903 Brian Hollars Ct., High Point, NC	\$_____
701 Yeoman Lane, Greensboro, NC	\$_____
8108 Thorndike Road, Greensboro, NC	\$_____
8117 Renfrew Road, Greensboro, NC	\$_____
3317 Dairy Point Dr., High Point, NC	\$_____
723 Pegg Road, Greensboro, NC	\$_____
3309 Dairy Point Dr., High Point, NC	\$_____
8043 Thorndike Road, Greensboro, NC	\$_____
8009 Tam O'Shanter Dr., Greensboro, NC	\$_____
8129 Renfrew Road, Greensboro, NC	\$_____
703 Yeoman Lane, Greensboro, NC	\$_____
7912 Tam O'Shanter Dr., Greensboro, NC	\$_____
4910 Caitlin Nicole Ct., High Point, NC	\$_____
8217 Tyner Road, Colfax, NC	\$_____
8046 Thorndike Road, Greensboro, NC	\$_____
8047 National Service Rd., Greensboro, NC	\$_____
8015 Tam O'Shanter Dr., Greensboro, NC	\$_____
705 Yeoman Lane, Greensboro, NC	\$_____
8016 Tam O'Shanter Dr., Greensboro, NC	\$_____
554 Pegg Road, Greensboro, NC	\$_____

2400 Krista-Kim Drive, High Point, NC \$_____

3320 Dairy Point Dr., High Point, NC \$_____

TOTAL - Base House Prices \$_____

UNIT PRICES

<u>Item</u>	<u>Unit Price</u>	<u>Estimated Quantity</u>	<u>Extended Price</u>
Attic Stair Cover Box - Per House	\$_____ x	30	= \$_____
Attic Insulation - Per House	\$_____ x	25	= \$_____
Weather Stripping Exterior Doors - Per House	\$_____ x	10	= \$_____

TOTAL - Unit Prices \$_____

TOTAL CONTRACT PRICE

Total - Base House Prices (from above) \$_____

Total - Unit Prices (from above) + \$_____

TOTAL CONTRACT PRICE \$_____

*(Sum of Base House &
Unit Price Totals)*

2. This Bid shall remain open for acceptance by the Authority for 60 days after the bid opening date. If awarded the Contract, within 10 days of being notified by the Authority of the award, the undersigned Bidder shall execute the Construction Contract and shall submit the Payment and Performance Bonds and the other documents that are required to be submitted at that time by the Contract Documents; and the undersigned Bidder shall thereafter comply with all of its other obligations under the Contract Documents.

3. The following documents are attached to and made a part of this Bid:

3.1 Non-Collusion Affidavit;

3.2 EEO Report Statement;

3.3 Certification of Non-Segregated Facilities;

3.4 Trade Restriction Certification;

3.5 Certificate of Buy American Compliance for Total Facility;

3.6 Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion;

3.7 Certification Regarding Lobbying;

3.8 Certification of Bidder Regarding Tax Delinquency and Felony Convictions;

3.9 Bidder's Qualification Questionnaire; and

3.10 Bidder's Information Questionnaire.

4. Bidder hereby acknowledges receipt of the following addenda:

Addendum No.

Date

_____	_____
_____	_____
_____	_____

Signed on this _____ day of _____, 2019.

Execution by Corporation

Name of Corporation

By: _____
Signature of Officer

Printed or typed name of person
signing and designation of office
held

ATTEST:

Signature of attesting Officer

Printed or typed name of person
attesting and designation of
office held

Execution by a Partnership or Limited Liability Company

Name of Entity

By: _____
Signature of General Partner
or Manager

Printed or typed name of person
signing and designation of position

Execution by an Individual

Signature of Individual

Printed or typed name of individual

(THIS AFFIDAVIT IS PART OF THE BID)

FORM OF NON-COLLUSION AFFIDAVIT

STATE OF _____)
) SS.
COUNTY OF _____)

_____,
being first duly sworn, deposes and says that he or she is
_____ (Sole owner, a partner, president,
secretary, etc.) of _____
the party making the foregoing Bid; that such Bid is genuine and
not collusive or a sham; that said Bidder has not colluded, con-
spired, connived, or agreed, directly or indirectly, with any
other bidder or person to put in a sham Bid or with any other
person for such other person to refrain from bidding; and that
said Bidder has not in any manner, directly or indirectly sought
by agreement or collusion, or communication or conference, with
any person, to fix the bid price of said Bidder or of any other
bidder, or to fix any overhead, profit or cost element of said
bid price or the bid price of any other Bidder, or to secure any
advantage against the Authority in favor of any person interested
in the proposed Contract; and that all statements in said Bid are
true; and further, that said Bidder has not, directly or indi-
rectly submitted this Bid, or the contents thereof, or divulged
information or data relative thereto to any association or to any
member or agent thereof.

(Affiant)

Sworn to and subscribed before me this _____ day of _____,
2019.

Notary Public in and for

_____ County

My Commission expires: _____

(SEAL)

(THIS REPORT IS PART OF THE BID)

EQUAL OPPORTUNITY REPORT STATEMENT
AS REQUIRED BY 41 CFR 60-1.7(b)

The Bidder shall complete the following statement by checking the appropriate blanks. Failure to complete these blanks may be grounds for rejection of bid:

1. The Bidder has _____ has not _____ developed and has on file at each establishment an affirmative action programs pursuant to 41 CFR 60-1.40 and 41 CFR 60-2.
2. The Bidder has _____ has not _____ participated in any previous contract or subcontract subject to the equal opportunity clause prescribed by Executive Order 11246, as amended.
3. The Bidder has _____ has not _____ filed with the Joint Reporting Committee the annual compliance report on Standard Form 100 (EEO-1 Report).
4. The Bidder does _____ does not _____ employ fifty (50) or more employees.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

(THIS CERTIFICATION IS PART OF THE BID)

CERTIFICATION OF NON-SEGREGATED FACILITIES

The federally-assisted construction contractor certifies that such contractor does not maintain or provide for its employees, any segregated facilities at any of its establishments and that it does not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The federally-assisted construction contractor certifies that it will not maintain or provide for its employees segregated facilities at any of its establishments and that it will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The federally-assisted construction contractor agrees that a breach of this certification is a violation of the equal opportunity clause in this contract.

As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directives or are in fact segregated on the basis of race, color, religion or national origin because of habit, local custom, or any other reason. The federally-assisted construction contractor agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the equal opportunity clause and that it will retain such certifications in its files.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

(THIS CERTIFICATION IS PART OF THE BID)

TRADE RESTRICTION CERTIFICATION

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror:

- a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (U.S.T.R.);
- b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. Firms as published by the U.S.T.R.; and
- c. has not entered into any subcontract for any product to be used on this project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Authority if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

- (1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or

- (2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or
- (3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in all lower tier subcontracts. The Contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R., unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Authority cancellation of the contract or subcontract for default at no cost to the Authority or the FAA.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

(THIS CERTIFICATE IS PART OF THE BID)

**CERTIFICATE OF BUY AMERICAN
COMPLIANCE FOR TOTAL FACILITY**

As a matter of bid responsiveness, the Bidder must complete, sign, date, and submit this certification statement with its Bid. The Bidder must indicate how it intends to comply with 49 USC § 50101 by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e. not both) by inserting a checkmark (✓) or the letter "X".

☐ Bidder hereby certifies that it will comply with 49 USC 50101 by:

- a) Only installing steel and manufactured products produced in the United States; or
- b) Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or
- c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the Bidder agrees:

- 1. To provide to the Authority evidence that documents the source and origin of the steel and manufactured product.
- 2. To faithfully comply with providing US domestic products.
- 3. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

☐ The Bidder hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the Bidder with the apparent low bid agrees:

- 1. To the submit to the Authority within 15 calendar days of the bid opening, a formal waiver request and

required documentation that support the type of waiver being requested.

2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination that may result in rejection of the Bid.
3. To faithfully comply with providing US domestic products at or above the approved US domestic content percentage as approved by the FAA.
4. To furnish US domestic product for any waiver request that the FAA rejects.
5. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 3 Waiver - The cost of components and subcomponents produced in the United States is more than 60% of the cost of all components and subcomponents of the "facility." The required documentation for a Type 3 Waiver is:

- a) Listing of all manufactured products that are not comprised of 100% US domestic content. (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety.)
- b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly and installation at project location.
- c) Percentage of non-domestic component and subcomponent cost as compared to total "facility" component and subcomponent costs, excluding labor costs associated with final assembly and installation at project locations.

Type 4 Waiver - Total cost of project using US domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a Type 4 Waiver is:

- a) Detailed cost information for total project using US domestic product.
- b) Detailed cost information for total project using non-domestic product.

False Statements - Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

(THIS CERTIFICATION IS PART OF THE BID)

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
INELIGIBILITY, AND VOLUNTARY EXCLUSION**

The Bidder certifies, by submission of this Bid, that neither it nor its principals is presently debarred or suspended from participation in this transaction by any Federal department or agency.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

(THIS CERTIFICATION IS PART OF THE BID)

CERTIFICATION REGARDING LOBBYING

The Bidder certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

(THIS CERTIFICATION IS PART OF THE BID)

**CERTIFICATION OF BIDDER REGARDING TAX
DELINQUENCY AND FELONY CONVICTIONS**

The Bidder must complete the following two certification statements. The Bidder must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The Bidder agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

- 1) The Bidder represents that it is () is not () a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.
- 2) The Bidder represents that it is () is not () a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If a Bidder responds in the affirmative to either of the above representations, the Bidder is ineligible to receive an award unless the Authority has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The Bidder therefore must provide information to the Authority about its tax liability or conviction. The Authority will notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twenty-four (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. code that specifically classifies the offense as a felony and

conviction of an offense that is classified as a felony under 18 U.S.C. § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

BIDDER'S QUALIFICATION QUESTIONNAIRE

Submitted by _____
Name of Bidder

General Contractor's License # _____
() An Individual
() A Partnership
() A Corporation
() A Limited Liability Corporation

Principal Office Address:

The undersigned guarantees the truth and accuracy of all statements and all answers to questions hereinafter made.

1. How many years has your organization been in business as a contractor under your present name?

2. How many years of experience in construction work has your organization had as a general contractor?

As a Subcontractor?

3. List below the requested information concerning projects your organization has completed in the last five (5) years for the type of work required in this project. (Use additional sheets if necessary)

PROJECT TITLE	CONTRACT AMOUNT	REQUIRED COMPLETION DATE	ACTUAL COMPLETION DATE	NAME/ADDRESS OF OWNER
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

4. Have you ever failed to complete any work awarded to you? If so, where and why?

5. Has any officer or partner of your organization ever been an officer or partner of some other organization that failed to complete a construction contract? If so, state name of individual, name of other organization, and reason therefor.

6. Has any officer or partner of your organization ever failed to complete a construction contract handled in his own name? If so, state name of individual, name of owner and reason therefor.

7. Give below any information, which would indicate the size and capacity of your organization, including number of employees, equipment owned by your organization, etc., which are available for utilization on this Contract.

8. List below the key personnel of your organization who will be engaged in the work and name your Project Manager.

9. List below the names and address of the subcontractors you may expect to employ on this Contract and a description of the work each subcontractor will perform.

10. List below the sources of supply of the various materials you intend to incorporate in this Contract.

Source of Supply

Material

11. What is your bonding capacity?

12. What amount of your bonding capacity has been used as of the date of this bid?

The undersigned Bidder hereby declares that the foregoing statements are true and correct, all as of the date hereinafter set forth, and that those examining this document have the undersigned's permission to contact any or all of those parties listed in this questionnaire. Incorrect or misleading statements in this questionnaire shall be grounds for a determination of non-responsibility with respect to such contractor.

Name of Bidder: _____

By: _____

Title: _____

Date: _____

BIDDER'S INFORMATION QUESTIONNAIRE

Bidders, other than individuals, should provide the information requested below that is applicable to the Bidder, depending on the form in which the Bidder is organized.

Bidder Is A Corporation

State of Incorporation: _____

Names of Officers:

President _____

Secretary _____

Treasurer _____

Business Address of Officers:

Bidder Is a Limited Liability Company (LLC)

State in which LLC
is organized: _____

Name of Manager: _____

Manager's Business Address:

Bidder Is a Partnership

Names and Business Addresses of General Partners:

Name: _____

Address: _____

Name: _____

Address: _____

Name: _____

Address: _____

The Bidder certifies that the foregoing information is true and correct.

NAME OF BIDDER: _____

BY: _____

TITLE: _____

DATE: _____

[Attach additional sheets if necessary]

CONSTRUCTION CONTRACT

**PIEDMONT TRIAD INTERNATIONAL AIRPORT
RESIDENTIAL SOUND INSULATION PROGRAM
PHASE 7 PROJECT**

CONSTRUCTION CONTRACT

THIS CONSTRUCTION CONTRACT is made and entered into as of the _____ day of _____, 2019, by and between the **PIEDMONT TRIAD AIRPORT AUTHORITY** (the "Authority") and Contractor (as defined below). The Authority and Contractor agree as set forth herein.

Authority: Piedmont Triad Airport Authority
1000-A Ted Johnson Parkway
Greensboro, NC 27409

Contractor: _____

House: The term "House" shall mean the house located at each of the respective addresses listed on Schedule 1 attached hereto.

Homeowner: The term "Homeowner" shall refer to the respective owners of each of the Houses. If a House is held in a tenancy by the entirety or has more than one owner, the term shall apply to all the owners collectively.

Project: The term "Project" shall mean the work to be performed on all of the Houses as described in the Site-Specific Specifications and elsewhere in the Contract Documents.

Project Manager: The person appointed as such by the Authority pursuant to Paragraph 8.1 hereof.

Site Specific The specifications designated as such in the Phase
Specifications: 7 Project Manual for the exterior improvements and
 Homeowner color choices for each House.

ARTICLE I

SCOPE OF WORK

1.1. The term "Work" means the construction and services required by the Contract Documents, and includes all other labor, materials, equipment and services that are needed to fulfill the Contractor's obligations. As used herein, such term shall refer to the work on the entire Project, except where this Contract clearly states, or it is clearly indicated by the context, that the reference is to a specific site or sites.

1.2. The Contractor shall execute and perform the entire Work described in the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others. The Work to be performed on each respective House shall consist of the following: (i) making all of the improvements listed in the Site Specific Specifications for such House and (ii) adding any insulation that is necessary to increase the House's attic insulation to a depth of 12", installing an insulated attic stair cover box for all drop down stairs unless an adequate cover box is already in place, and replacing weather stripping on exterior doors if the Authority determines the replacement of the weather stripping is necessary for adequate sound insulation. All required improvements shall be performed in accordance with the design and construction details specified in the General Specifications for the Authority's sound insulation program, which are set forth in the Supplemental Terms and Conditions of this Contract. The Contractor shall not be required to make all of the improvements described in the General Specifications in each House but only those that are called for in this Section 1.2.

1.3. In addition to meeting the requirements of the Contract Documents, the Contractor shall install all materials in a manner that conforms, or is superior in quality and technique, to the type of installation exhibited for like materials in the samples on display for viewing by the public in the Authority's Noise Office on North Regional Road. By its execution of this Contract, the Contractor represents that the Contractor has examined such samples and is familiar with the installation techniques and methods exhibited thereon.

1.4. The materials installed in each House shall conform to the Homeowner's color selections as listed on the Site-Specific Specifications for such House.

ARTICLE II

CONTRACT TIME

2.1. Within two weeks after the Contractor receives the Authority's Notice to Proceed under this Contract, the Contractor shall submit an order to the manufacturer for all of the acoustical storm windows and acoustical storm doors to be installed under this Contract in all of the houses listed on Schedule 1. The order shall specify the correct measurements for such materials and conform to the contract specifications. The Contractor shall complete all of the Work under this Contract within 150 days after the initial delivery of any storm windows and storm doors for the Project.

2.2. Within five days after the Contractor's receipt of the Authority's Notice to Proceed, the Contractor shall submit a site-specific schedule for performance of the Work setting forth for each House listed on Schedule 1 (i) the date by which the Contractor plans to complete all Work at such House, except for the installation of the acoustical storm windows and acoustical storm doors, and (ii) the number of days after the delivery of the storm windows and storm doors within which the Contractor will complete the Work on such House. Such schedule shall provide for the prompt and orderly completion of all Work within the contract deadline set forth above. The Contractor shall complete all Work at each respective House in accordance with the schedule.

2.3. If the Contractor is delayed at any time in the progress of the Work by changes ordered in the Work, by land disputes, unusual delay in deliveries, abnormal adverse weather conditions that could not have been reasonably anticipated, fire or other casualty not caused by the Contractor or any of its Subcontractors or by any other causes beyond the Contractor's control, or if the progress of the Work is delayed by other causes that the Project Manager determines may justify delay, then the time allowed for completion of the Work shall be extended by change order for a reasonable time.

ARTICLE III

CONTRACT SUM

Subject to any additions or deductions that may be provided for in the Contract Documents, the Authority shall pay the Contractor in current funds as full compensation for the Contractor's performance of this Contract a total Contract Sum equal to the following:

3.1. \$_____ representing the total of the Base House Prices for all of the Houses, as specified on Schedule 1; plus

3.2. The total of the Contractor's prices for unit price work, which shall be determined by multiplying the applicable unit price specified on Schedule 2 for each unit price improvement times the actual and verified number of Houses on which each such improvement is made by the Contractor.

ARTICLE IV

PAYMENTS

4.1. The Contractor may submit to the Authority Applications for Payment, prior to completion of the total Work hereunder, for the following sums less a retainage, in each case, of 5% of such sum:

4.1.1. The delivered cost of acoustical storm windows and storm doors that conform to the Contract Specifications and that are stored at a site acceptable to the Authority pending installation, provided that, prior to payment for such materials, the Authority may require that title to such materials be transferred to the Authority; and

4.1.2. The Contract Sum for each House for which the Contractor has completed its contract obligations, less the cost of any materials for such House that have been included in a previous Application for Payment by the Contractor under Paragraph 4.1.1. For this purpose, (i) the Contract Sum for each House shall be the Base House Price for such House, as specified on Schedule 1, plus the amount payable for each unit price improvement that the Contractor has made to the House, if any, at the applicable unit price rate specified on Schedule 2 for such improvement; and (ii) the Contractor shall not be deemed to have completed its contract obligations for a

particular House until (a) the Contractor has completed all the required Work for such House and the Work has passed final inspection under Section 8.8, and (b) the Contractor has satisfied all other conditions that are required under this Contract for final payment with respect to such House.

All such Applications for Payment shall be made on a form approved by the Authority and shall be accompanied by such documentation of the Contractor's right to payment as the Authority shall require. The documentation for unit price work shall include, in addition to any other required documentation, photographs and measurements of attic insulation showing the need for the unit price work before the work was performed. The Contractor may submit Applications for Payment no more often than once a month. Each Application for Payment, other than the first, shall include a certificate signed by the Contractor that all Subcontractors, and all of the Contractor's material suppliers, have been paid for all Work and materials provided by them for which payment has previously been made by the Authority, less any retainage permitted hereunder from the payments made by the Contractor to its Subcontractors.

4.2 Subject to the other provisions of this ARTICLE IV, if the Contractor submits a proper Application for Payment under this Paragraph 4.1 by the first of any month, together with any other required submissions, the Authority shall pay all amounts owed by the Authority, as itemized on such Application for Payment, on or before the 15th day of such month. In no case shall the total of the progress payments made by the Authority under this Paragraph 4.1 exceed the total Contract Sum; and notwithstanding Paragraph 4.1.2., if the Authority determines that a disproportionate amount of the total Contract Sum is allocated to any one or more of the Houses on Schedule 1, the Authority may reduce the progress payment for the completed work on such House or Houses to an amount which, in the judgment of the Authority, is fairly representative of the share that such work represents of the total work to be performed under this Contract.

4.3. Upon final completion of all of the Work for all of the Houses on Schedule 1 in accordance with the terms hereof, the Contractor shall submit a Final Application for Payment on the approved form for the balance of the Contract Sum, including any retainage that has been withheld by the Authority from previous Applications. The Authority shall pay the full amount that is owed by the Authority and itemized on the Final Application within 30 days after the Authority's receipt of the Final Application and the satisfaction of the remaining conditions for final payment as set forth herein.

4.4. Payments may be withheld on account of (i) defective Work not remedied, (ii) claims filed by third parties, (iii) failure of the Contractor to make payments properly to Subcontractors or suppliers for labor, materials or equipment, (iv) reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum, (v) damage to the property of the Authority, or to the person or property of the Homeowner or another contractor, (vi) unsatisfactory progress in the completion of the remaining work, or (vii) persistent failure to carry out the Work in accordance with the Contract Documents.

4.5. Final payment shall not become due for any House until the Contractor has delivered to the Homeowner and the Authority a Contractor's Affidavit and Final Waiver of Lien with respect to such House, in the form included in the Supplementary Terms and Conditions of the Contract Documents, or until the Contractor has delivered to the Homeowner and the Authority a bond satisfactory to the Homeowner and Authority to indemnify them against any such lien. If any lien remains unsatisfied after payments are made, the Contractor shall refund to the Homeowner and the Authority all money that the Homeowner or the Authority may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

4.6. Prior to receiving final payment with respect to any House, the Contractor shall complete all items on the Punch List developed by the Authority for such House, in consultation with the Homeowner, in connection with the Authority's and the Homeowner's inspection of the Work on such House.

4.7. To the extent it is required to do so under N.C.G.S. Section 143-134.1, the Authority shall reduce the retainage from the progress payments that are made after the Project is 50% complete, subject to any right the Authority may have subsequently to reinstate retainage in accordance with that Section.

ARTICLE V

ENUMERATION OF CONTRACT DOCUMENTS

5.1. The Contract Documents, except for modifications issued after execution of this Contract, are as follows:

5.1.1. This executed Construction Contract, including with this Contract Schedules 1 and 2, and Exhibit A attached hereto;

5.1.2. The Site Specific Specifications including written specifications and photographs of house exteriors;

5.1.3. The Supplemental Terms and Conditions for the Project dated January, 2019, including Contractor Insurance Requirements, General Specifications, Drawings, Homeowner Warranty Form, and Contractor's Affidavit and Final Waiver of Lien;

5.1.4. The Contractor's Payment and Performance Bonds furnished in compliance with ARTICLE XVIII; and

5.1.5. The Addenda issued by the Authority prior to the bid date, as follows:

Number	Title	Date
--------	-------	------

The portions of Addenda, if any, relating solely to bidding requirements are not part of the Contract Documents. All other Addenda provisions, the Site Specific Specifications, and the Supplemental Terms and Conditions referred to in Section 5.1.3, are hereby incorporated in this Construction Contract by reference as fully as if set forth herein.

5.2. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all. Performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.

5.3. Except as otherwise provided in this Contract, the Contract Documents shall not be construed to create a contractual relationship of any kind with the Homeowner or with any persons or entities other than the Authority and Contractor.

5.4. Execution of this Contract by the Contractor is a representation that the Contractor has visited the sites listed on Schedule 1 and become familiar with the local conditions under which the Work is to be performed.

5.5. The Work shall conform to the Contract Documents. No change therefrom shall be permitted without the prior review and written approval of the Authority. When more detailed information is required for performance of the Work or when an interpretation

of the Contract Documents is requested, the Contractor shall submit a written request to the Project Manager, who shall furnish, or shall provide for the furnishing of, such information or interpretation.

5.6. There are no Contract Documents other than those listed in this ARTICLE V. The Contract Documents may not be amended or supplemented except as provided in this Construction Contract.

ARTICLE VI

AGREEMENTS WITH HOMEOWNERS

The Authority shall enter into appropriate agreements or other arrangements with each Homeowner to permit and enable Contractor to perform the Work on each Homeowner's property except for permits and fees, which are the responsibility of the Contractor under the Contract Documents.

ARTICLE VII

CONTRACTOR

7.1. The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work, unless the Contract Documents give other specific instructions concerning these matters.

7.2. Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, transportation, and other facilities and services necessary for the proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work. If the Homeowner does not provide electric power for the Work, the Contractor shall provide an electric power generator. The Contractor shall pay all sums that it owes to Subcontractors and to its suppliers for labor, materials and equipment that are furnished by them in connection with the Work as such sums become due under its contracts with such Subcontractors and suppliers and as required under the prompt payment provisions of this Contract. The Contractor shall indemnify the Authority and each Homeowner against any claims that are made against either the

Authority or the Homeowner for non-payment of any amounts that are owed or that are alleged to be owed to any such Subcontractor or supplier for Work hereunder, and against all expenses that may be incurred in connection therewith, including reasonable attorneys' fees.

7.3. The Contractor shall enforce strict discipline and good order among the Contractor's employees, Subcontractors and other persons carrying out the Contract. The Contractor shall not employ, nor permit any Subcontractor to employ, in the performance of the Work unfit persons or persons not skilled in tasks assigned to them.

7.4. The Contractor warrants to the Authority and, with respect to each House, the Contractor warrants to the Homeowner of such House, that the materials and equipment furnished under this Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be performed in a good and workmanlike manner and shall be free from any defects, and that the Work will conform with the requirements of the Contract Documents. The Contractor's warranty excludes remedy for damage or defect resulting from abuse by persons other than the Contractor or any of its Subcontractors, modifications not made by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear under normal usage. The Contractor shall, upon request, furnish satisfactory evidence as to the kind and quality of materials and equipment used by the Contractor in the performance of the Work. This warranty is in addition to, and not in lieu of, any additional warranties for specific items required by the Contract Documents.

7.4.1. Unless otherwise stated in the Contract Documents, the warranty period for the Contractor's warranty against defects with respect to each House shall be for twelve months after the Date of Substantial Completion of the Work on such House. Any defects appearing within this period, and any damage to other work resulting therefrom, shall be made good by the Contractor without cost to the Homeowner or the Authority.

7.4.2. Prior to final payment for the Work on each respective House under this Contract, the Contractor shall submit to the Homeowner of such House a warranty for such Work conforming to the terms hereof in the form included in the Supplemental Terms and Conditions under the heading "Homeowner Warranty Form." Such warranty shall supplement, and shall not be a substitute for, the warranties that are owed by the Contractor to the Authority and to the Homeowner as set forth in this Paragraph 7.4.

7.4.3. In addition to the Contractor's warranty as set forth herein, the Contractor shall also obtain from its Subcontractors, and from the manufacturer of its materials, all warranties and guarantees that are given by each of them in normal commercial practice, and the Contractor shall require such warranties and guarantees to be executed, in writing, for the benefit of the Homeowner of such House. Prior to final payment for each respective House, the Contractor shall deliver to the Homeowner all such product warranties and guarantees and shall submit a certificate to the Authority confirming its compliance with this requirement.

7.5. Unless otherwise provided in the Contract Documents, the Contractor shall pay sales, consumer, use, and other similar taxes that are charged to the Contractor by its Subcontractors or material suppliers and had been legally enacted when the bids were received for this Contract, whether or not such taxes were effective at that time or merely scheduled to go into effect; provided that if the Contractor itself is required to collect any sales taxes on its own services or on any of the materials that it installs hereunder and to report such taxes to the North Carolina Department of Revenue, the Contractor may pass through such taxes to the Authority by separately stating such taxes on the Contractor's invoices. The Contractor shall also secure and shall pay for the building permits and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work.

7.6. The Contractor shall comply with, and shall give all notices required by, all laws, ordinances, rules, regulations and lawful orders of public authorities bearing on performance of the Work. The Contractor shall promptly notify the Authority if any drawings or specifications are observed by the Contractor to be at variance therewith.

7.7. The Contractor shall be responsible to the Authority for the acts and omissions of the Contractor's agents and employees, of any Subcontractors and their agents and employees, and of any other persons performing portions of the Work under a contract with the Contractor.

7.8. The Contractor shall review, approve and submit to the Project Manager shop drawings, product data, samples and similar submittals required by the Contract Documents with reasonable promptness. The Work shall be in accordance with approved submittals. When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, the Project Manager shall be entitled to rely upon the accuracy and completeness of such certifications.

7.9. The Contractor shall keep each House site and surrounding areas free from accumulation of waste materials or rubbish caused by operations under the Contract. At the completion of the Work at each House site, the Contractor (i) shall remove from and about the work sites all waste materials and rubbish, and the tools, construction equipment, machinery and surplus materials of the Contractor or any of its Subcontractors, (ii) shall restore all gutters, window and door trims and other items that were removed during the performance of the Work, with the exception of any siding, storm windows and doors and other items that must be permanently removed or replaced to fulfill the contract specifications, and (iii) shall repair any damages or harm to the Homeowner's House or other property of the Homeowner caused by the Contractor or any of its employees or by any Subcontractor or any Subcontractor employees, whether or not in the performance of the Work.

7.10. The Contractor shall provide the Homeowner and the Authority access to the Work in preparation and in progress wherever located.

7.11. The Contractor shall pay all royalties and license fees owed for materials, equipment, and processes used in the Work; and the Contractor shall defend suits or claims for infringement of patent or other intellectual property rights with respect to such materials, equipment or processes and shall hold the Homeowner and the Authority harmless from loss on account thereof, but the Contractor shall not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Contract Documents unless the Contractor, at the time of its use of such product or process, had reason to believe that there was a patent infringement.

7.12. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless (i) the Authority, (ii) the Authority's directors, officers, employees, and consultants, (iii) the Project Manager, and (iv) each Homeowner from and against any claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or in connection with the Work, or with the performance or attempted performance thereof, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to, destruction of or the loss of any real or personal property (other than the Work itself); and provided further that the Contractor shall not be required to indemnify any party or person otherwise entitled to indemnity under this Section 7.12 (the "Promisee") against liability for damages arising out of bodily injury to persons or damage to property proximately caused by or resulting from the

negligence or intentional fault, in whole or in part, of the Promisee, or of any independent contractors of the Promisee (other than the Contractor hereunder), or of any agents, employees or indemnitees of the Promisee.

7.12.1. The Contractor's obligation under this Paragraph 7.12 shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person indemnified hereunder.

7.12.2. In the case of any claims against any person or entity indemnified under this Paragraph 7.12 that are brought by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph 7.12 shall not be limited to the amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

7.12.3. The indemnity provided under this Paragraph 7.12 to the Authority, its directors, officers, agents and consultants, and to the Project Manager, shall apply, to the extent of its terms, to any claims made against any of them by any Homeowner, notwithstanding that each of the Homeowners is also indemnified hereunder.

7.13. To the fullest extent permitted by law, the Contractor shall also indemnify the Authority, the Authority's directors, officers, employees and consultants, and the Project Manager, from and against any claims by any Homeowner arising from any breach by the Contractor of any of the Contractor's duties under this Contract and from and against any expenses that may be incurred in defense of any such claims, including, but not limited to, attorney's fees.

7.14. The Contractor shall provide the Homeowner and the Authority a complete list of addresses and emergency telephone numbers for the Contractor and all Subcontractors. This list shall be provided to the Authority prior to beginning Work on the Project and to each Homeowner prior to the beginning of the Work on such Homeowner's House.

7.15. The Contractor acknowledges that any house dimensions, windows and door sizes and other measurements or details included in the Site-Specific Specifications are approximate only and are provided solely for purposes of illustration; and the Contractor shall rely exclusively on its own measurements for purposes of ordering materials and performing the Work.

7.16. The Contractor shall perform all Work on a Homeowner's premises between the hours of 8:00 A.M. and 5:00 P.M., Monday through Friday, exclusive of holidays, or at such additional times, if any, as may be permitted by the Homeowner. The Contractor shall give the Homeowner at least 48 hours advance notice of when the Contractor requires access to the Homeowner's premises.

ARTICLE VIII

ADMINISTRATION OF THE CONTRACT

8.1. The Authority shall appoint a Project Manager to review and supervise the Work of the Contractor and generally coordinate the operation of the Project. The Project Manager shall be the Authority's representative when dealing with the Homeowner or Contractor. The Project Manager will periodically inspect the progress of the Work to determine and ensure that the Work is being performed in accordance with the Contract Documents. The Project Manager shall confer with others whenever the Project Manager deems it necessary for technical assistance. The Project Manager shall review the Project to determine and certify substantial completion of the Work.

8.2. The Project Manager will provide administration of the Contract and will be the Authority's representative (i) during construction, (ii) until final payment is due, and (iii) with the Homeowner's concurrence, from time to time during the correction period described in Paragraph 14.1.

8.3. The Project Manager will visit the site at intervals appropriate to the stage of construction to become generally familiar with the progress and quality of the completed Work and to determine in general if the Work is being performed in a manner indicating that the Work, when completed, will be in accordance with the Contract Documents. However, the Project Manager will not be required to make exhaustive or continuous on-site inspections to check quality or quantity of the Work. On the basis of on-site observations, the Project Manager will keep the Homeowner and the Authority informed of progress of the Work.

8.4. The Authority will not have control over or charge of, and will not be responsible for, construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility as provided in Paragraphs 7.1 and 12.1.

The Authority will not be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents.

8.5. The Project Manager will interpret and decide matters concerning performance under and requirements of the Contract Documents on the written request of either the Homeowner or Contractor. The Project Manager will make initial decisions on all claims, disputes or other matters in question between the Homeowner and Contractor, but will not be liable for results of any interpretations or decisions rendered in good faith. The Project Manager's decisions in matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

8.6. The Project Manager will have authority to reject Work which does not conform to the Contract Documents.

8.7. The Project Manager will review and approve or take other appropriate action upon the Contractor's submittals such as shop drawings, product data and samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

8.8 After the Contractor notifies the Project Manager that the Work on a particular House has been completed, the Project Manager shall conduct a final inspection of the Work that has been performed on the House, both inside and outside, and shall prepare a written report of the inspection. Unless otherwise agreed with the Homeowner, the inspection shall take place on a weekday between the hours of 8:00 A.M. and 5:00 P.M., exclusive of holidays, and the Project Manager shall give the Contractor reasonable advance notice of the date and time of the inspection. The Homeowner, or a person having authority to represent the Homeowner, shall have the right to be present during the inspection. If all of the Work on such House is found to have been completed in accordance with the Contract Documents and the requirements of Section 7.9 have been satisfied, the Project Manager's inspection shall constitute the final inspection. If, however, the inspection discloses that any Work has not been satisfactorily completed or that any of such requirements have not been satisfied in full, the Project Manager shall indicate on the inspection report the corrective action needed for compliance with the Contract Documents. Within 15 days of its receipt of the inspection report, the Contractor shall complete all of the corrective action that is noted on the report and that is necessary for satisfactory performance of this Contract, and another inspection shall be made in accordance with this Section 8.8, which shall constitute final inspection, provided all of the corrective action has been completed. Neither the inspection reports nor the Project Manager's determination that the

Work has passed final inspection shall be binding on the Homeowner if the Homeowner disagrees. The inspection reports shall not bar any remedy that either the Authority or the Homeowner may have under this Contract or otherwise by reason of any defect in the Work or other default by the Contractor.

8.9. When the Project Manager agrees that the Work on a House is substantially complete, the Project Manager will notify the Authority and the Contractor of such decision, and the Date of Substantial Completion, as so established by the Project Manager, shall be deemed to be the Date of Substantial Completion for such House under the other provisions of this Contract.

ARTICLE IX

SUBCONTRACTS

9.1. A Subcontractor is a person or entity other than an employee of the Contractor who has a direct contract with the Contractor to perform a portion of the Work.

9.2. Unless otherwise stated in the Contract Documents or the bidding requirements, the Contractor, as soon as practicable after the execution hereof, shall furnish in writing to the Homeowner, the Authority and the Project Manager the names of the Subcontractors whom the Contractor intends to hire for each of the principal portions of the Work. The Contractor shall not contract with any Subcontractor to whom the Homeowner or the Authority has made reasonable and timely objection. Contracts between the Contractor and Subcontractors (1) shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by the terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities that the Contractor assumes under the Contract Documents to the Homeowner and the Authority, and (2) shall allow to the Subcontractor the benefit of all rights, remedies and redress afforded to the Contractor by these Contract Documents.

9.3. The Contractor shall not withhold retainage from progress payments to its Subcontractors except as permitted by N.C.G.S. Section 143-134.1(b1)(3).

ARTICLE X

CONSTRUCTION BY THE AUTHORITY OR BY SEPARATE CONTRACTORS

10.1. The Authority reserves the right to perform construction or operations related to the Project, but outside of the scope of the Work hereunder, with the Authority's own forces, or to award separate contracts for such construction or operations.

10.2. The Contractor shall afford the Authority and separate contractors reasonable opportunity for the introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with those of the Authority or such other contractors.

10.3. Costs caused by delays, improperly timed activities or defective construction shall be borne by the party responsible therefor.

ARTICLE XI

CHANGES IN THE WORK

11.1. The Authority, without invalidating the Contract, may order changes in the Work consisting of additions, deletions or modifications, and the Contract Sum and time allowed for completion of the Work shall be adjusted accordingly. Such changes in the Work shall be authorized by written change orders signed by the Authority and the Contractor.

11.2. The Contract Sum and time allowed for completion of the Work shall be changed only by change order.

11.3. The cost or credit to the Authority from a change in the Work shall be determined by mutual agreement.

11.4. Unless such changes are approved in advance by the Project Manager and included in a change order between the Contractor and the Authority under this ARTICLE XI, no change shall be made in the Work to be performed under this contract, provided the Contractor and the Homeowner may agree for the Contractor to perform additional or supplemental services at the Homeowner's home, at the Homeowner's sole expense, under a separate contract between them. No such agreement between the Contractor and a

Homeowner shall be binding upon the Authority or in any manner alter the Authority's responsibilities under this contract.

ARTICLE XII

PROTECTION OF PERSONS AND PROPERTY

12.1. The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract. The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to:

12.1.1. employees of the Contractor and of its Subcontractors, the Homeowners and their families and invitees, and any other persons who may be affected by the Work;

12.1.2. the Work and materials and equipment to be incorporated therein; and

12.1.3. the Homeowner's Houses and the contents thereof and all other property at the House sites or adjacent thereto.

The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons and property and their protection from damage, injury or loss. The Contractor shall promptly remedy damage and loss to property at the site (i) caused in whole or in part by the Contractor, a Subcontractor, any lower-tier subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable or (ii) for which the Contractor is otherwise responsible under this Paragraph 12.1, except for damage or loss attributable to acts or omissions of the Homeowner or of the Authority or of anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Paragraph 7.12.

12.2. No doors or windows shall be removed from any House unless such doors or windows are re-installed or replaced by the Contractor on the same day.

12.3. The Contractor shall not be required to perform without consent any Work relating to asbestos or polychlorinated biphenyl (PCB).

ARTICLE XIII

INSURANCE

13.1 The Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in North Carolina insurance for protection from claims under workers' compensation acts and other employee benefit acts which may be applicable, from claims for damages because of bodily injury, including death, and from claims for damages to property, other than to the Work itself, that may arise out of or result from the Work. This insurance shall be written for not less than limits of liability specified in the Supplemental Terms and Conditions for the Project, or required by law, whichever coverage is greater, shall provide the types of coverage specified in the Supplemental Terms and Conditions under the heading "Contractor Insurance Requirements" and shall include contractual liability insurance applicable to the Contractor's obligations under Paragraph 7.12. All such insurance shall provide coverage on an occurrence basis, and shall name the Authority, its officers, employees, and agents as additional insureds. Certificates of such insurance shall be filed with the Authority prior to the commencement of the Work, and the Contractor shall furnish to the Authority, upon request, copies of the insurance policies that provide the coverage that the Contractor is required to maintain hereunder. All such insurance shall remain in effect until final payment and at all times thereafter when the Contractor may be correcting, removing, or replacing defective Work in accordance with its obligations hereunder. In addition, the Contractor shall maintain the required completed operations insurance for at least two years after final payment.

13.2. The Contractor shall purchase and maintain, in a company or companies lawfully authorized to do business in North Carolina, property insurance upon the entire Work at the site to the full insurable value thereof. This insurance shall be on an all-risk policy form and shall cover the interests in the Work of the Homeowner, the Authority, the Contractor, any Subcontractors and any lower-tier subcontractors and shall insure against the perils of fire and extended coverage and against physical loss or damage including, without duplication of coverage, loss or damage resulting from theft, vandalism or malicious mischief.

13.3. The Authority and Contractor each waive all rights against the other for damages caused by fire or other perils to the extent covered by property insurance obtained by the injured party

pursuant to this Article XIII or any other property insurance obtained by the injured party applicable to the Work, except such rights as they may have to the proceeds of such insurance. The Contractor shall require similar waivers from Subcontractors and from lower-tier subcontractors in favor of the Homeowner, the Authority and the Contractor.

ARTICLE XIV

CORRECTION OF WORK

14.1. The Contractor shall promptly correct Work rejected by the Project Manager or the Authority or failing to conform to the requirements of the Contract Documents, whether observed before or after substantial completion and whether or not fabricated, installed or completed, and shall promptly correct any Work that, prior to the Date of Substantial Completion or within one year thereafter, is found not to be in accordance with the requirements of the Contract Documents or that is required to be corrected by the terms of any applicable warranty required by the Contract Documents. The provisions of this Article XIV apply to Work done by Subcontractors as well as to Work done by the Contractor's employees and shall apply notwithstanding final payment to the Contractor.

14.2. Nothing contained in this Article XIV shall be construed to establish a period of limitation with respect to other obligations that the Contractor might have under the Contract Documents. Establishment of the time period of one year as described in Paragraph 14.1 relates only to the specific obligation of the Contractor under Paragraph 14.1, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations.

ARTICLE XV

FEDERAL CONTRACT PROVISIONS

The Contractor shall comply with the Contractor obligations set forth in the Federal Contract Provisions on the attached Exhibit A and makes each and every certification and representation set out therein. The Contractor shall insert the provisions on Exhibit A in each subcontract that it enters into for the performance of any work hereunder and shall incorporate the

applicable requirements of such provisions by reference in any purchase orders, rental agreements, and other agreements that it enters into for supplies or services to be furnished to the Contractor in the performance of this Contract. The Contractor shall be responsible for compliance with the provisions set forth on Exhibit A by Subcontractors, lower-tier subcontractors, and service providers.

ARTICLE XVI

MISCELLANEOUS PROVISIONS

16.1. This Contract shall be governed by the laws of the State of North Carolina applied without reference to any conflict of law principles that might call for the application of the laws of any other jurisdiction. Any action for enforcement or interpretation of this Contract must be brought in the General Court of Justice of Guilford County, North Carolina, or in the Federal District Court for the Middle District of North Carolina. The Contractor consents to the jurisdiction of said Courts and waives any objection that it might have to venue in said Courts.

16.2. In all operations under the Contract, the Contractor agrees that it will comply with provisions of all state and federal laws (including OSHA) and all local ordinances that may affect such operations.

16.3. Contractor agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefitting from Federal assistance. This provision binds Contractor and subtier contractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

16.4. Pursuant to N.C.G.S. Section 143-133.3, the Authority may not enter into this Contract unless the Contractor and the Contractor's subcontractors comply with Article 2 of Chapter 64 of the General Statutes, which requires employers and their subcontractors with 25 or more employees, as defined in Article 2 of Chapter 64 of the N.C. General Statutes, to comply with E-Verify requirements set out therein. E-Verify is a program operated by the United States Department of Homeland Security and other federal agencies to verify the work authorization of newly hired employees. The Contractor shall comply with the requirements of Article 2 of

Chapter 64 of the General Statutes; and, by entering into this Contract, the Contractor certifies that it is presently in compliance with said requirements. The Contractor further agrees that it shall require any and all Subcontractors employed to perform any part of the Contract to comply with Article 2 of Chapter 64 of the General Statutes. The Contractor shall verify, by affidavit, compliance of the terms of this section upon request by the Authority.

16.5 The Contractor hereby certifies that it is not on the Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. Section 147-86.58 nor on the list of companies that is developed by the North Carolina State Treasurer under N.C.G.S. Section 147-86.81(a)(1).

16.6. This Contract is entered into between the Authority and the Contractor for work to be performed on property owned by the Homeowners. The Authority has no ownership or other interest in such property. The Homeowners are not parties to this Contract, have not ordered the improvements to be made hereunder, have not appointed the Authority to act as their agent and, except as otherwise provided herein, have no contractual relationship with the Contractor because of this Contract. Accordingly, the Contractor understands and agrees that it has no basis upon which to make or file a claim of lien, or notice of claim of lien, against or with respect to the property of any Homeowner. Notwithstanding any contrary terms or implications contained elsewhere in this Contract, the Contractor agrees that its sole remedy for any alleged breach of this Contract is an action against the Authority; and, to the fullest extent permitted by law, the Contractor hereby waives and releases any rights that it may now or hereafter have arising out of this Contract against any Homeowner or the property of any Homeowner.

ARTICLE XVII

SUSPENSION OR TERMINATION OF THE CONTRACT

17.1. If the Contractor fails to correct any Work that is not in accordance with the Contract Documents or consistently fails to carry out the Work in accordance with the Contract Documents, without prejudice to any other remedy the Authority may have, the Authority may, at its option, order the Contractor to suspend the Work, or any portion thereof, until the cause for such order has been corrected; however, the right of the Authority to suspend the Work shall not give rise to a duty on the part of the Authority to

exercise this right for the benefit of the Contractor or any third party.

17.2. At any time after the execution of this Contract, the Authority shall have the absolute right, by written notice to the Contractor, to terminate this Contract in its entirety or any part thereof for any reason whatsoever. In the event of termination for convenience under this Paragraph 17.2, the Contractor shall take the following steps except as otherwise specified in the Authority's notice (i) stop the Work, (ii) terminate all subcontracts for the Work, (iii) discontinue orders for materials or services to be used in the Work (iv) deliver to the Authority all unused materials and supplies that were acquired for the Work and (v) take any action directed by the Authority to protect and preserve any partially completed Work. The Authority shall pay the Contractor, in complete settlement of any further compensation owed hereunder, a sum determined by adding the following amounts and then deducting therefrom all progress payments that the Authority has previously paid to the Contractor:

17.2.1. The Net Contract Charge for all Houses on which the Work has been fully completed, and a percentage of the Net Contract Charge, equal to the percentage of completion, for all Houses on which the Work has been partially completed. The "Net Contract Charge" for each House on which the Work has been fully or partially completed shall be the amount specified on Schedule 1 for each such House, less the material and supply costs that have been or would be incurred by the Contractor to complete the Work on such House;

17.2.2. Documented expenses that the Contractor has sustained prior to the effective date of termination for the cost of materials and supplies that the Contractor has purchased for the performance of its Work; and

17.2.3. Reasonable and substantiated claims, costs or damages incurred by the Contractor in settlement of terminated contracts with Subcontractors and suppliers.

Except as provided herein, the Contractor shall not be entitled to any compensation from the Authority for loss of anticipated profits, revenue or other economic loss arising or resulting from the Authority's termination action. Upon the Authority's payment of the sums owed under this Section 17.2, the Authority will have no further liability to the Contractor for any cause whatsoever arising out of or in connection with such termination. Terminating the Contract for convenience under this Paragraph 17.2 shall not relieve the Contractor of its responsibilities for the Work that

has already been performed nor from any just claim arising out of such Work.

17.3. If the Contractor defaults or fails or neglects to carry out the Work in accordance with the Contract Documents or fails to perform any provision of the Contract, and if the Contractor fails to cure such breach within 10 days after written notice of such breach and the necessary corrective actions from the Authority, the Authority, without prejudice to any other remedy that the Authority may have, may make good such deficiencies and may deduct the cost thereof, including compensation for professional services and expenses made necessary thereby, from the payment then or thereafter due the Contractor. Alternatively, at the Authority's option, the Authority may terminate this Contract and shall have the right, at its option, to assume control of any Work that is underway at the Work sites, take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor and finish the Work by whatever method the Authority may deem expedient. If the costs of finishing the Work, including compensation for professional services and expenses made necessary thereby, exceeds the unpaid balance under this Contract, upon demand by the Authority, the Contractor shall pay the difference to the Authority.

17.4. The rights of the Authority under this ARTICLE XVII are in addition to, and not in limitation of, any other rights or remedies to which the Authority is entitled under applicable law.

ARTICLE XVIII

PAYMENT AND PERFORMANCE BONDS

Upon the execution of this Contract, the Contractor shall deliver to the Authority (i) a Payment Bond conditioned upon the prompt payment for all labor or materials for which the Contractor or any of its subcontractors is liable, and (ii) a Performance Bond conditioned upon the faithful performance of this Construction Contract in accordance with the plans, specifications and conditions of this Contract. Each of the bonds shall be in the amount of 100% of the Contract Sum under ARTICLE III hereof, shall be executed by one or more sureties legally authorized to do business in the State of North Carolina, and shall take the form for such bond in N.C.G.S. Section 44A-33 or be substantially equivalent thereto.

ARTICLE XIX

USE OF MINORITY & WOMEN'S BUSINESS SUBCONTRACTORS

If the Contractor subcontracts any part of the Work, the Contractor must take all necessary affirmative steps to assure that minority businesses, women's businesses enterprises, and labor surplus area firms are used when possible. Affirmative steps shall include:

(i) Placing qualified small and minority business and women's business enterprises on solicitation lists;

(ii) Assuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;

(iii) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority business, and women's business enterprises;

(iv) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority business, and women's business enterprises; and

(v) Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

IN WITNESS WHEREOF, the parties have entered into this Contract as of the day and year first written above.

PIEDMONT TRIAD AIRPORT AUTHORITY

By:_____

Title:_____

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act.

This the _____ day of _____, 20____.

By: _____
Finance Officer
Piedmont Triad Airport Authority

CONTRACTOR:

By: _____

Title: _____

SCHEDULE 1
TO RESIDENTIAL SOUND INSULATION PROGRAM
CONSTRUCTION CONTRACT

Property Address	Homeowner	Base House Price
8006 Tam O'Shanter Dr. Greensboro, NC	Michael Wayne Armstrong, III	\$_____
604 O'Rourke Drive Greensboro, NC	Taha Babiker Howida Babiker	\$_____
8012 Tam O'Shanter Dr. Greensboro, NC	Maged Ramzy Basily Mary Basily	\$_____
8241 Tyner Road Colfax, NC	Eddie Wayne Bates Sharon Kay Bates	\$_____
8127 Renfrew Road Greensboro, NC	Wade R. Beck Michelle C. Beck	\$_____
8126 Thorndike Road Greensboro, NC	Jacqueline A. Bobbitt	\$_____
8112 Renfrew Road Greensboro, NC	Gary Langston Bradshaw, Jr., Seanda Lynn Bradshaw	\$_____
8122 Thorndike Road Greensboro, NC	Ryan Walter Craig	\$_____
4903 Brian Hollars Ct. High Point, NC	Steven S. Elliott Cheryl A. Elliott	\$_____

701 Yeoman Lane Greensboro, NC	Arthur Alexander Freeman Shaunda Seal Freeman	\$ _____
8108 Thorndike Road Greensboro, NC	Darrell Alan Gates Lisa Anne O'Sullivan	\$ _____
8117 Renfrew Road Greensboro, NC	Rosemary Gimmel Dennis R. Gimmel	\$ _____
3317 Dairy Point Dr. High Point, NC	Carl J. Hall, Jr. Angie R. Hall	\$ _____
723 Pegg Road Greensboro, NC	Charles L. Jackson Vera Mae D. Jackson	\$ _____
3309 Dairy Point Dr. High Point, NC	Robert V. Johnson	\$ _____
8043 Thorndike Road Greensboro, NC	Robert L. Lackey Keith H. Lackey	\$ _____
8009 Tam O'Shanter Dr. Greensboro, NC	Randy Darrell May Debra D. May	\$ _____
8129 Renfrew Road Greensboro, NC	Sandra S. Mills Milton L. Mills	\$ _____
703 Yeoman Lane Greensboro, NC	Manuel Mosqueda Maria Mosqueda	\$ _____
7912 Tam O'Shanter Dr. Greensboro, NC	Jon W. Neal Kitty Denise Neal	\$ _____
4910 Caitlin Nicole Ct. High Point, NC	Lisa Michelle O'Reilly	\$ _____

8217 Tyner Road Colfax, NC	Larry Michael Owens Betty Sheetz Owens	\$_____
8046 Thorndike Road Greensboro, NC	Brenda Petty	\$_____
8047 National Service Road Colfax, NC	Oma Lou Pitts	\$_____
8015 Tam O'Shanter Dr. Greensboro, NC	Jose S. Sedano Sonia G. Sedano	\$_____
705 Yeoman Lane Greensboro, NC	Patricia T. Spear Timothy G. Spear	\$_____
8016 Tam O'Shanter Dr. Greensboro, NC	John Harvey Spencer	\$_____
554 Pegg Road Greensboro, NC	James Thomas Wallace	\$_____
2400 Krista-Kim Drive High Point, NC	Neil R. Watson Elizabeth C. Watson	\$_____
3320 Dairy Point Dr. High Point, NC	Brian C. Yarborough Kaytrell M. Yarborough	\$_____

SCHEDULE 2
TO RESIDENTIAL SOUND INSULATION PROGRAM
CONSTRUCTION CONTRACT

Unit Price Item	Unit Price
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Attic Stair Cover Box If Needed - \$_____

Per House

Attic Insulation for Any House \$_____

Lacking a Full 12"- Per House

Weather Stripping of Exterior Doors If \$_____

Required by the Authority - Per House

EXHIBIT A

FEDERAL CONTRACT PROVISIONS

CIVIL RIGHTS ACT OF 1964, TITLE VI –

COMPLIANCE WITH NON-DISCRIMINATION REQUIREMENTS

During the performance of this contract, the Contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "Contractor") agrees as follows:

- 1. Compliance with Regulations.** The Contractor (hereinafter includes consultants) shall comply with Title VI List of Pertinent Non-Discrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
- 2. Non-Discrimination.** The Contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor shall not participate either directly or indirectly in the discrimination prohibited by the Non-Discrimination Acts and Authorities, including employment practices when the contract covers any activity, project or program set forth in Appendix B of 49 CFR, Part 21.
- 3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment.** In all solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the Contractor of the Contractor's obligations under this contract and the Non-Discrimination Acts and Authorities on the grounds of race, color, or national origin.
- 4. Information and Reports.** The Contractor shall provide all information and reports required by the Acts, the Regulations and directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Authority or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Non-Discrimination Acts and Authorities and instructions. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor shall so certify to

the Authority or the FAA, as appropriate, and shall set forth what efforts the Contractor has made to obtain the information.

5. Sanctions for Noncompliance. In the event of the Contractor's noncompliance with the Non-Discrimination provisions of this Contract, the Authority shall impose such contract sanctions as it or the FAA may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the Contractor under the Contract until the Contractor complies, and/or
- b. Cancelling, terminating or suspending a contract, in whole or in part.

6. Incorporation of Provisions. The Contractor shall include the provisions of Paragraphs 1 through 6 in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations or directives issued pursuant thereto. The Contractor shall take action with respect to any subcontract or procurement as the Authority or the FAA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided that if the Contractor becomes involved in, or is threatened with, litigation by a subcontractor or supplier because of such direction, the Contractor may request the Authority to enter into any litigation to protect the interests of the Authority. In addition, the Contractor may request the United States to enter into litigation to protect the interests of the United States.

TITLE VI LIST OF PERTINENT NON-DISCRIMINATION ACTS AND AUTHORITIES

During the performance of this Contract, the Contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "Contractor") agrees to comply with the following non-discrimination statutes and authorities, including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat 252), (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR Part 21 (Non-discrimination in Federally-Assisted Programs of The Department of Transportation--effectuation of Title VI of The Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975, and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 CFR Parts 37 and 38;

- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100); and
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 *et seq.*).

**AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982,
SECTION 520 - GENERAL CIVIL RIGHTS PROVISIONS**

The Contractor assures that it will comply with pertinent statutes, Executive orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance. This provision binds the Contractor and sub-tier contractors from the bid solicitation period through the completion of the Contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

LOBBYING AND INFLUENCING FEDERAL EMPLOYEES

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract grant, loan or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the Contractor shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The Contractor shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants and contracts under grants, loans and cooperative agreements), and that all sub-recipients shall certify and disclose accordingly.

ACCESS TO RECORDS AND REPORTS

The Contractor shall maintain an acceptable cost accounting system. The Contractor agrees to provide the Authority, the Federal Aviation Administration and the Comptroller General of the United States or any of their duly authorized representatives' access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purpose of making audit, examination, excerpts and transcriptions. The Contractor agrees to maintain all books, records and reports required under this Contract for a period of not less than three years after final payment is made and all pending matters are closed.

DISADVANTAGED BUSINESS ENTERPRISES

Contract Assurance (§26.13) - The Contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the Authority deems appropriate, which may include, but is not limited to:

- 1) Withholding monthly progress payments;
- 2) Assessing sanctions;
- 3) Liquidated damages; and/or
- 4) Disqualifying the Contractor from future bidding as non-responsible.

Prompt Payment (§26.29) - The Contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its subcontract no later than thirty (30) days from the receipt of each payment the prime Contractor receives from the Authority. The Contractor agrees to pay all retainage owed to each subcontractor for satisfactory completion of the accepted work within thirty (30) days after the Authority's payment to the Contractor. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the Authority. This clause applies to both DBE and non-DBE subcontractors.

ENERGY CONSERVATION REQUIREMENTS

The Contractor and each subcontractor agrees to comply with mandatory standards and policies relating to energy efficiency that are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Public Law 94-163)

VETERAN'S PREFERENCE

In the employment of labor (excluding executive, administrative, and supervisory positions), the Contractor and all sub-tier contractors must give preference to covered veterans as defined within Title 49 United States Code Section 47112. Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 U.S.C. 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.

FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE)

The provisions of 29 CFR Part 201, the Fair Labor Standards Act, are hereby incorporated by reference and made a part of this Contract with the same force and effect as if given in full text, and such provisions shall also be incorporated, with the same effect, in all subcontracts that the Contractor enters into in connection with this Contract. The Contractor has full responsibility to monitor compliance with the referenced statute or regulation. The Contractor must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor - Wage and Hour Division.

OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970

The requirements of 29 CFR Part 1910 are hereby incorporated by reference and made a part of this Contract with the same force and effect as if given in full text, and such requirement shall also be incorporated, with the same effect, in all subcontracts that the Contractor enters into in connection with this Contract. The Contractor must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Contractor retains full responsibility to monitor its compliance and its subcontractors' compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (29 CFR Part 1910). The Contractor must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor - Occupational Safety and Health Administration.

DAVIS BACON REQUIREMENTS

1. Minimum Wages

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalent thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Paragraph (1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under (1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can easily be seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii) (B) or (C) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding.

The Federal Aviation Administration or the Authority shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to David-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of work, all or part of the wages required by the contract, the Federal Aviation Administration may, after written notice to the Contractor, Authority, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or

mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual costs incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The Contractor shall submit weekly, for each week in which any contract work is performed, a copy of all payrolls to the applicant, Authority or owner, as the case may be, for transmission to the Federal Aviation Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under Paragraph 5.5(a)(3)(i) above. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors.

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

- (1) That the payroll for the payroll period contains the information required to be maintained under Paragraph (3)(i) above and that such information is correct and complete;
- (2) That each laborer and mechanic (including each helper, apprentice and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations 29 CFR Part 3;
- (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work

performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by Paragraph (3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The Contractor or subcontractor shall make the records required under Paragraph (3)(i) of this section available for inspection, copying or transcription by authorized representatives of the Authority, the Federal Aviation Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, Authority, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work

actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the

registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal Employment Opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance With Copeland Act Requirements.

The Contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.

6. Subcontracts.

The Contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR Part 5.5(a)(1) through (10) and such other clauses as the Federal Aviation Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR Part 5.5.

7. Contract Termination: Debarment.

A breach of the contract clauses in Paragraph 1 through 10 of this section may be grounds for termination of the contract, and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance With Davis-Bacon and Related Act Requirements.

All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes Concerning Labor Standards.

Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6 and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of Eligibility.

- (i) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- (ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- (iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

WAGE DETERMINATION OF THE SECRETARY OF LABOR

General Decision Number: NC190003 01/04/2019 NC3

Superseded General Decision Number: NC20180003

State: North Carolina

Construction Type: Residential

Counties: Alamance, Caswell, Guilford, Randolph and Rockingham Counties in North Carolina.

RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.60 for calendar year 2019 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.60 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2019. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/04/2019

SUNC1983-005 09/01/1983

	Rates
Air conditioning mechanic	\$ 7.25
Bricklayer	\$ 7.77
Carpenter	\$ 7.25
Cement mason/concrete finisher	\$ 7.25
Electrician	\$ 7.25
Glazier	\$ 7.25
Insulator/asbestos worker	\$ 7.25
Ironworker	\$ 7.25
Laborer, general	\$ 7.25
Painter	\$ 7.25
Plumber/pipefitter	\$ 7.69
Power equipment operators:	
Backhoe	\$ 7.25
Bulldozer	\$ 7.25
Loader	\$ 7.25
Motor Grader	\$ 7.30
Pan	\$ 7.25
Paver	\$ 7.25
Roller	\$ 7.25
Tractor	\$ 7.25
Roofer	\$ 7.25
Sheet metal worker	\$ 7.25
Soft floor layer	\$ 7.25
Tile setter	\$ 7.25
Truck driver	\$ 7.25
Drywall hanger	\$ 7.25
Drywall Finisher/Taper	\$ 7.25

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing

the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreements (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

COPELAND "ANTI-KICKBACK" ACT

Contractor must comply with the requirements of the Copeland "Anti-Kickback" Act (18 U.S.C. 874 and 40 U.S.C. 3145), as supplemented by Department of Labor regulation 29 CFR Part 3. Contractor and subcontractors are prohibited from inducing, by any means, any person employed on the project to give up any part of the compensation to which the employee is entitled. The Contractor and each subcontractor must submit to the Authority, a weekly statement on the wages paid to each employee performing on covered work during the prior week. The Authority must report any violations of the Act to the Federal Aviation Administration.

**EQUAL EMPLOYMENT OPPORTUNITY -
41 CFR 60-1.4(b)**

During the performance of this Contract, the Contractor agrees as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
3. The Contractor will send to each labor union or representative of workers with which s/he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, as amended, and of the rules, regulations, and relevant orders of the Secretary of Labor.
5. The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedure authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

7. The Contractor will include the portion of the sentence immediately preceding Paragraph 1 and the provisions of Paragraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provision, including sanctions for non-compliance: *Provided, however,* that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION - 41 CFR 60-4.2

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade	16.4%
Goals for female participation in each trade	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its Federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training shall be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project, for the sole purpose of meeting the Contractor's goals, shall be a violation of the contract, the Executive Order, and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director, OFCCP, within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier

for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this notice and in the contract resulting from this solicitation, the "covered area" is Guilford County, North Carolina.

**STANDARD FEDERAL EQUAL EMPLOYMENT
OPPORTUNITY CONSTRUCTION CONTRACT
SPECIFICATIONS - 41 CFR 60-4.3**

1. As used in these specifications:

- a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;
- b. "Director" means Director, Office of Federal Contract Compliance Programs (OFCCP), U.S. Department of Labor, or any person to whom the Director delegates authority;
- c. "Employer identification number" means the Federal social security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
- d. "Minority" includes:
 - (1) Black (all) persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin regardless of race);
 - (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (4) American Indian or Alaskan native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors shall be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or subcontractor participating in an approved plan is individually required to comply with its obligations under the EEO clause and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other contractors or subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction Contractors performing construction work in a geographical area where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement nor the failure by a union with whom the Contractor has a collective bargaining agreement to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246 or the regulations promulgated pursuant thereto.

6. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees shall be employed by the Contractor during the training period and the Contractor shall have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees shall be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:

- a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other onsite supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
- b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
- c. Maintain a current file of the names, addresses, and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source, or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor along with whatever additional actions the Contractor may have taken.
- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or female sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department

of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions including specific review of these items with onsite supervisory personnel such as superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other contractors and subcontractors with whom the Contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female, and community organizations, to schools with minority and female students; and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations, such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable provide after school, summer, and vacation employment to minority and female youth both on the site and in other areas of a Contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel, for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments, and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction Contractors and suppliers, including circulation of solicitations to minority and female Contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisor's adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar groups of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through 7p of these specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity

and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, if the particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally,) the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized.

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination, and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in Paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee, the name, address, telephone number, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however,

to the degree that existing records satisfy this requirement, Contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

CLEAN AIR AND WATER POLLUTION CONTROL

Contractor agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 U.S.C. §740-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. §1251-1387). The Contractor agrees to report any violation to the Authority immediately upon discovery. The Authority assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Contractor must include this requirement in all subcontracts that exceeds \$150,000.

CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS

1. Overtime Requirements.

No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; Liability for Unpaid Wages; Liquidated Damages.

In the event of any violation of the clause set forth in Paragraph 1 above, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in Paragraph 1 above, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in Paragraph 1 above.

3. Withholding for Unpaid Wages and Liquidated Damages.

The Federal Aviation Administration or the Authority shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any monies payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in Paragraph 2 above.

4. Subcontractors.

The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in Paragraphs 1 through 4 and also a clause requiring the subcontractor to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in Paragraphs 1 through 4 of this section.

PROHIBITION OF SEGREGATED FACILITIES

(a) The Contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(b) "Segregated facilities," as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this Contract.

PROCUREMENT OF RECOVERED MATERIALS

Contractor and subcontractor agree to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, and the regulatory provisions of 40 CFR Part 247. In the performance of this Contract and to the extent practicable, the Contractor and subcontractors are to use products containing the highest percentage of recovered materials for items designated by the Environmental Protection Agency (EPA) under 40 CFR Part 247 whenever:

- a) The contract requires procurement of \$10,000 or more of a designated item during the fiscal year; or,
- b) The Contractor has procured \$10,000 or more of a designated item using Federal funding during the previous fiscal year.

The list of EPA-designated items is available at
www.epa.gov/epawaste/consERVE/tools/cpg/products/.

Section 6002(c) establishes exceptions to the preference for recovery of EPA-designated products if the Contractor can demonstrate the item is:

- a) Not reasonably available within a timeframe providing for compliance with the contract performance schedule;
- b) Fails to meet reasonable contract performance requirements; or
- c) Is only available at an unreasonable price.

TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 "Text Messaging While Driving" (12/30/2009), the FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

In support of this initiative, the Authority encourages the Contractor to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Contractor must include the substance of this clause in all sub-tier contracts exceeding \$3,500 and involve driving a motor vehicle in performance of work activities associated with the project.

BUY AMERICAN PREFERENCE

The Contractor agrees to comply with 49 U.S.C. § 50101, which provides that Federal funds may not be obligated unless all steel and manufactured goods used in AIP funded projects are produced in the United States, unless the FAA has issued a waiver for the product; the product is listed as an Excepted Article, Material Or Supply in Federal Acquisition Regulation subpart 25.108; or is included in the FAA Nationwide Buy American Waivers Issued list.

ENERGY CONSERVATION REQUIREMENTS

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to energy efficiency as contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 USC 6201 *et seq.*).

CERTIFICATION OF LOWER TIER CONTRACTORS REGARDING DEBARMENT

The Contractor, by administering each lower tier subcontract that exceeds \$25,000 as a "covered transaction," must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website:
<http://www.sam.gov>.
2. Collecting a certification statement similar to the Certification of Offeror/Bidder Regarding Debarment attached to the Contractor's Bid Form.
3. Inserting a clause or condition in the covered transaction with the lower tier contract.

If the Federal Aviation Administration later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

SITE SPECIFIC SPECIFICATIONS

Site Specific Specifications Form

Owner: ARMSTRONG

Address: 8006 TAM O'SHANTER DRIVE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11		
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X		
Figure		14	14	15	14	14	14	14	14	14	14	14		
DOOR TREATMENT	DOOR NO.	D1	D2	D3										
Type of Door		M	*	M										
Install Sound Strip on Primary Door														
Install Acoustical Storm Door		X	*	X										
Install Acoustical Storm Panel														
Figure		19		19										

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Light Mist
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07

*Outswing Door









Site Specific Specifications Form

Owner: BABIKER

Address: 604 O'ROURKE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6	W7A	W7B	W8	W9	W10	W11	W12	W13	W14
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Install Acoustical Storm Window	WINDOW NO.	W15														
Figure		X														
		14														
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5										
Type of Door		M	M	M	SL	M										
Install Sound Strip on Primary Door																
Install Acoustical Storm Door		X	X	X	X	X										
Install Acoustical Storm Panel																
Figure		19	19	19	20	19										
Door Abbreviations: M = Metal Door P = Panel Door S = Solid Door																
SD = Sliding Glass Door FD = French Door GL = Glazed																

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Central Air Condition System	Yes, Confirm if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	Beige Pt. -03
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Beige Pt. -03



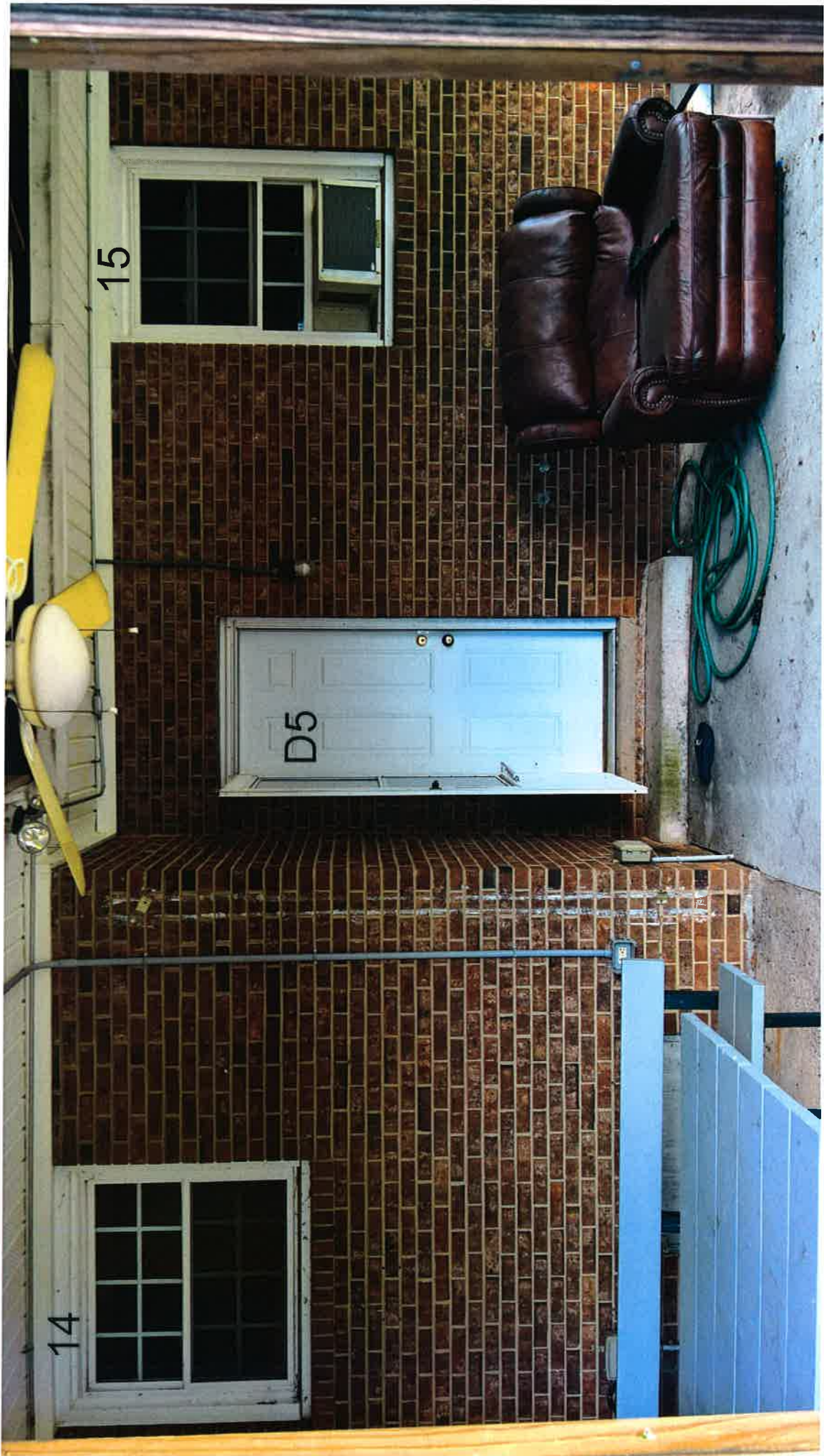






D4







Site Specific Specifications Form

Owner: BASILY

Address:

8012 TAM O'SHANTER DRIVE

Parcel No:

PLANNED TREATMENT															
WINDOW TREATMENT	WINDOW NO.	W1	W2A	W2B	W3	W4	W5	W6	W7	W8A	W8B	W8C	W8D	W9	
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	
Figure		14	14	14	14	14	14	14	14	16	16	16	16	14	
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5	D6								
Type of Door		GL	M	GL	SL	SL	M								
Install Sound Strip on Primary Door			X		X	X	X								
Install Acoustical Storm Door															
Install Acoustical Storm Panel		X		X											
Figure		13	19	13	20	20	19								

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS		
Add attic insulation to 12" depth.	Contractor verify if needed	
Install Attic Stair Detail	Contractor verify if needed	
Install Sound Strip on Crawl Space Door	Contractor verify if needed	
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes	

SELECTIONS BY OWNER

Siding Color selected by owner:	Need to get homeowner to select colors
Trim Color selected by owner:	Need to get homeowner to select colors
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07





1

6

5





Site Specific Specifications Form

Owner: BATES

Address: 8241 TYNER RED

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2A	W2B	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		10	14	14	14	14	14	14	14	14	14	14	14	14	10	10
Install Acoustical Storm Window	WINDOW NO.	W15	W16	W17	W18	W19	W20									
Figure		X	X	X	X	X	X									
10		10	10	10	10	10	14									
DOOR TREATMENT	DOOR NO.	D1	D2	D3												
Type of Door		M	M	M												
Install Sound Strip on Primary Door																
Install Acoustical Storm Door		X	X	X												
Install Acoustical Storm Panel																
Figure		19	19	19												

Door Abbreviations:

M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed	
Install Attic Stair Detail	Contractor verify if needed	
Install Sound Strip on Crawl Space Door	Contractor verify if needed	
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes	

SELECTIONS BY OWNER

Siding Color selected by owner:	Montrey Taupe
Trim Color selected by owner:	White
Shingle Color selected by owner (***Front of the House):	Timber Bark ***Staggered Edge Panel
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07











20

D3

19

Site Specific Specifications Form

Owner: BECK

Address: 8127 RENFREW ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2A	W2B	W3A	W3B	W4	W5	W6	W7A	W7B	W8	W9		
Install Acoustical Storm Window Figure		X 14	X 14	X 14	X 14	X 14	X 14	X 14	X 14	X 14	X 14	X 14	X 14		
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4										
Type of Door		*	M	FD	M										
Install Sound Strip on Primary Door			X	X	X										
Install Acoustical Storm Door		*													
Install Acoustical Storm Panel Figure			19	19	19										
Door Abbreviations: M = Metal Door P = Panel Door S = Solid Door SD = Sliding Glass Door FD = French Door GL = Glazed															

OTHER TREATMENTS

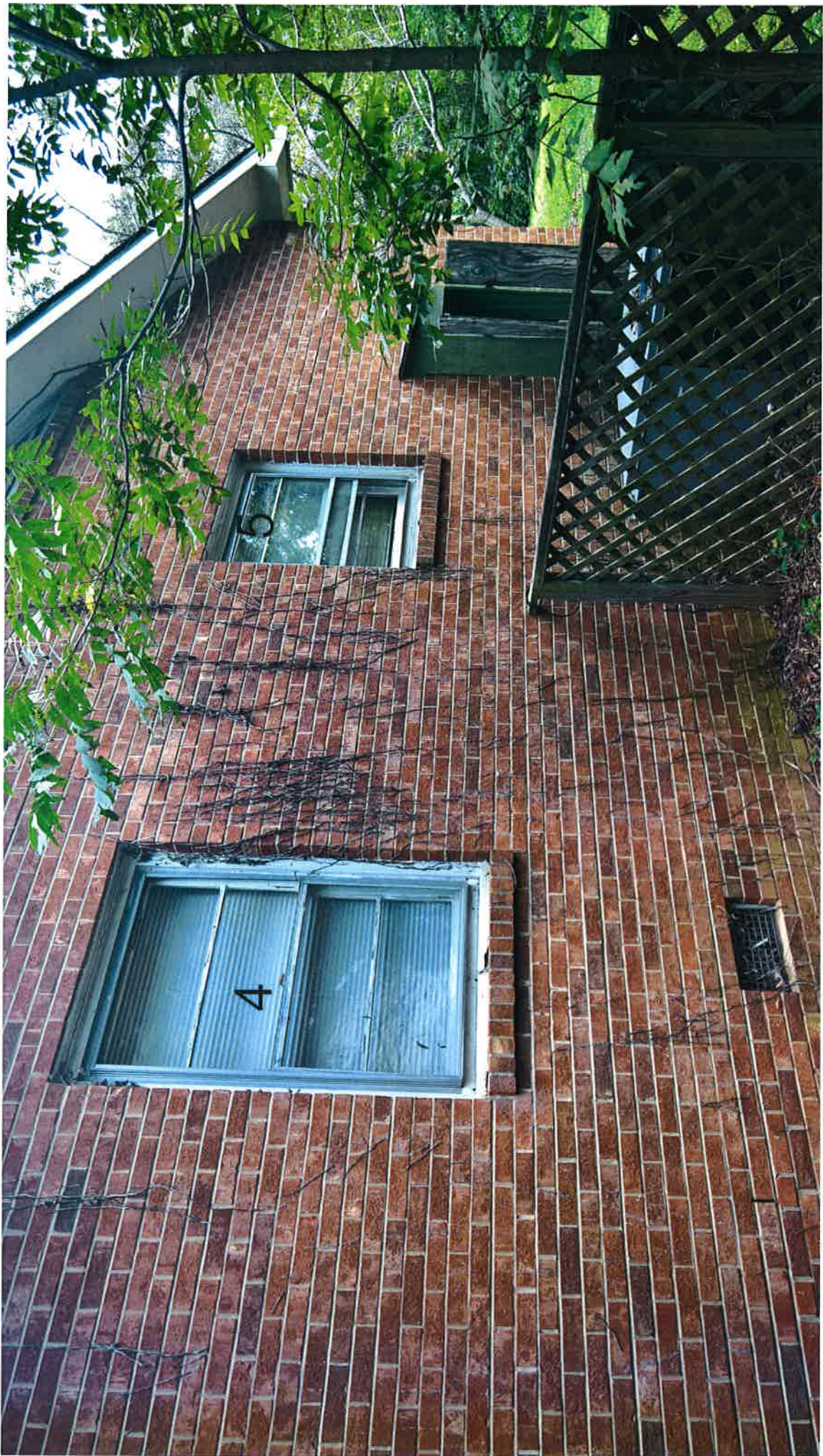
Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07

* Outswing Door









Site Specific Specifications Form

Owner: BOBBIT

Address: 8126 THORNDIKE ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
Install Acoustical Storm Window Figure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Install Acoustical Storm Window Figure	10	10	10	10	10	10	14	14	14	14	14	14	14	14	14
WINDOW NO.	W16	W17	W18	W19	W20	W21	W22								
Install Acoustical Storm Window Figure	X	X	X	X	X	X	X								
	14	14	14	14	14	14	14								
DOOR TREATMENT	D1	D2	D3												
Type of Door	M	M	M												
Install Sound Strip on Primary Door															
Install Acoustical Storm Door	X	X	X												
Install Acoustical Storm Panel Figure	19	19	19												

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Navajo Beige
Trim Color selected by owner:	Navajo Beige
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Beige Pt. - 03













Site Specific Specifications Form

Owner: BRADSHAW

Address: 8112 RENFREW ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W1C	W2	W3A	W3B	W3C	W3D	W4A	W4B	W5	W6A	W6B	W7A	W7B
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		16	16	16	15	16	16	16	16	16	16	16	16	16	16	16
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		16	16	16	16	16	16	17	17	10	10	10	10	10	16	16
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5	D6	D7								
Type of Door		M	SL	M	GL	M	SL	M								
Install Sound Strip on Primary Door		X	X	X		X	X	X								
Install Acoustical Storm Door																
Install Acoustical Storm Panel																
Figure		19	20	19	13	19	20	19								

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Install Cement Fiber Clapboards Over Existing Siding	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Countryside Red
Trim Color selected by owner:	Heathered Moss
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08

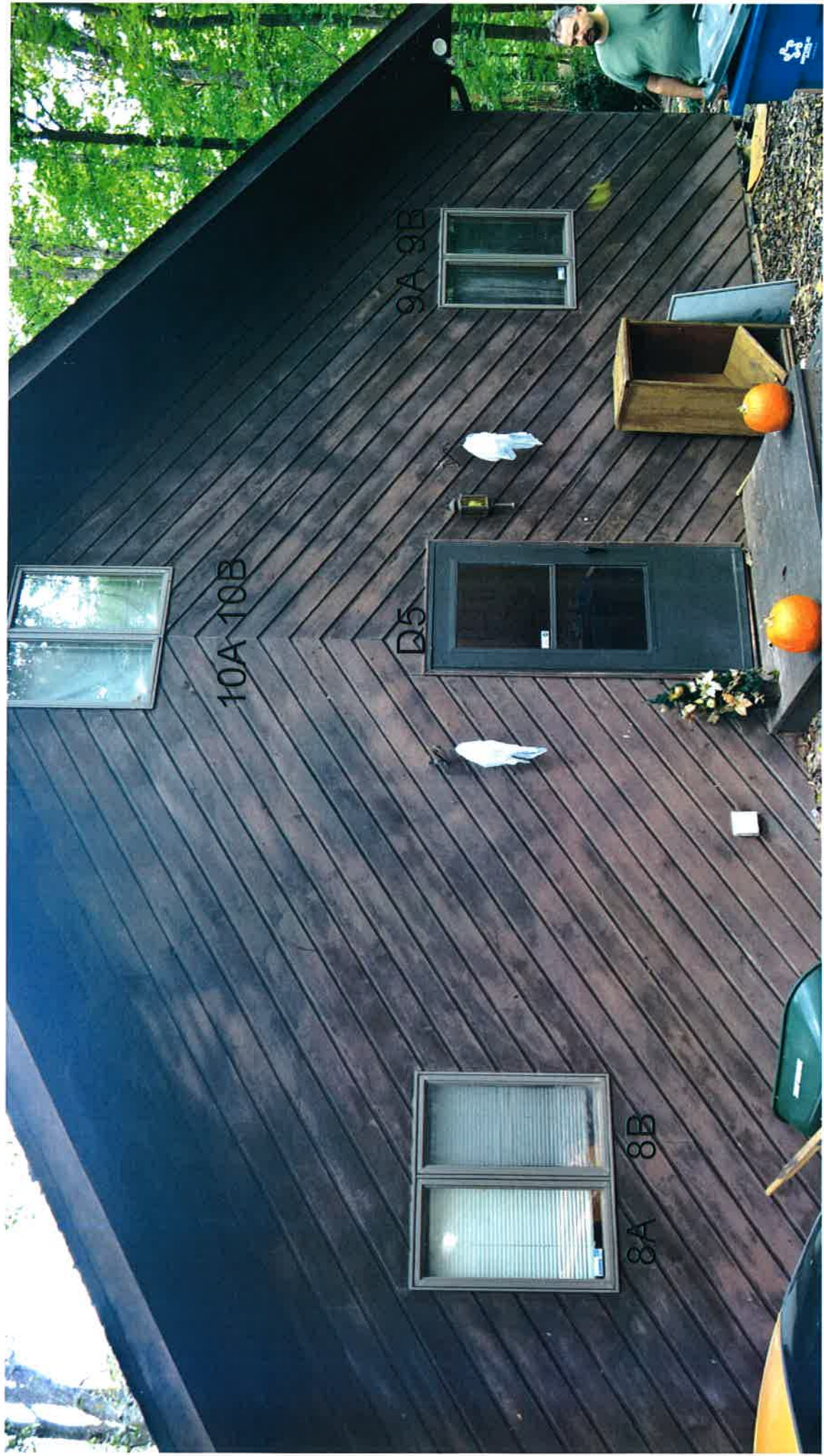




D2







Site Specific Specifications Form

Owner: CRAIG

Address: 8122 THORNDIKE ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W2	W3	W4A	W4B	W5	W6										
Install Acoustical Storm Window		X	X	X	X	X	X	X	X										
Figure		14	14	14	14	14	14	14	14										
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5	D6												
Type of Door		M	*	M															
Install Sound Strip on Primary Door																			
Install Acoustical Storm Door		X	*	X															
Install Acoustical Storm Panel																			
Figure		19		19															

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed	
Install Attic Stair Detail	Contractor verify if needed	
Install Sound Strip on Crawl Space Door	Contractor verify if needed	
Install Cement Fiber Clapboards Over Existing Siding	Yes	

SELECTIONS BY OWNER

Siding Color selected by owner:	Woodstock Brown
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07

*Outswing Door









Site Specific Specifications Form

Owner: ELLIOT

Address: 4903 Brian Hollars Court

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6A	W6B	W7	W8	W9	W10	W11	W12	W13	W14
Install Acoustical Storm Window Figure		X		X	X	X	X	X	X	X	X	X	X	X	X	X
		11		11	11	10	10, 12	10, 12	10	10	10	11	11	11	11	11
Install Acoustical Storm Window Figure																
Install Acoustical Storm Window Figure																
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5	D6									
Type of Door		GL	M	GL	GL	M	M									
Install Sound Strip on Primary Door																
Install Acoustical Storm Door			X			X	X									
Install Acoustical Storm Panel Figure		X		X	X											
		13	19	13	13	19	19									

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	yes

SELECTIONS BY OWNER

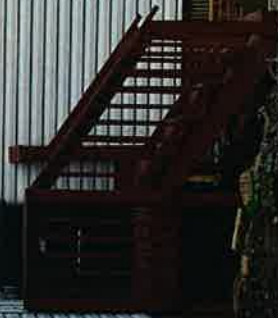
Siding Color selected by owner:	Monterey Taupe
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed



22A 22B

15







Parcel No:

Add attic insulation to 12" depth.	Contractor verify if needed	
Install Attic Stair Detail	Contractor verify if needed	
Install Sound Strip on Crawl Space Door	Contractor verify if needed	
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards		Yes

Siding Color selected by owner:	Monterey Taupe
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07









Site Specific Specifications Form

Owner: GATES

Address: 8108 THORNDIKE ROAD

Parcel No:

PLANNED TREATMENT

WINDOW/TREATMENT	WINDOW NO.	W1A	W1B	W2A	W2B	W3A	W3B	W3C	W4A	W4B	W4C	W5A	W5B	W5C	W6A	W6B
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Install Acoustical Storm Window	WINDOW NO.	W7A	W7B	W8	W9	W10A	W10B	W10C	W11A	W11B	W12	W13	W14	W15A	W15B	
Figure		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		16	16	16	16	16	16	16	16	16	16	16	16	16	16	
DOOR/TREATMENT	DOOR NO.	D1	D2	D3	D4											
Type of Door		M	M	*	**											
Install Sound Strip on Primary Door																
Install Acoustical Storm Door		X	X	*	**											
Install Acoustical Storm Panel																
Figure		19	19													

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door

SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08

*Outswing Door

**No Storm Dorm Door to be added!!!











Site Specific Specifications Form

Owner: GIMMEL

Address: 8117 RENFREW ROAD

Parcel No:

PLANNED TREATMENT		WINDOW NO.	W1A	W1B	W2	W3A	W3B	W4	W5	W6A	W6B				
Install Acoustical Storm Window			X	X	X	X	X	X	X	X	X				
Figure			14	14	14	14	14	14	14	14	14				
DOOR TREATMENT		DOOR NO.	D1	D2	D3	D4									
Type of Door			M	M	SL	*									
Install Sound Strip on Primary Door															
Install Acoustical Storm Door			X	X	X	*									
Install Acoustical Storm Panel															
Figure			19	19	20										

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door

SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS			Yes
Add attic insulation to 12" depth.		Contractor verify if needed	
Install Attic Stair Detail		Contractor verify if needed	
Install Sound Strip on Crawl Space Door		Contractor verify if needed	
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards			

SELECTIONS BY OWNER

Siding Color selected by owner:	Arctic White
Trim Color selected by owner:	Arctic White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07

*Outswing door





D2

4





Parcel No:

OTHER TREATMENTS	
Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

Siding Color selected by owner:	Cobble Stone
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07









Site Specific Specifications Form

Owner: JACKSON

Address: 723 PEGG ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W1C	W2	W3	W4	W5	W6	W7	W8	W9	
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	
Figure		14	14	14	14	14	14	14	14	14	14	14	
DOOR TREATMENT	DOOR NO.	D1	D2	D3									
Type of Door		M	M	M									
Install Sound Strip on Primary Door													
Install Acoustical Storm Door		X	X	X									
Install Acoustical Storm Panel													
Figure		19	19	19									

Door Abbreviations:

M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.		Contractor verify if needed
Install Attic Stair Detail		Contractor verify if needed
Install Sound Strip on Crawl Space Door	Yes	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards		N/A

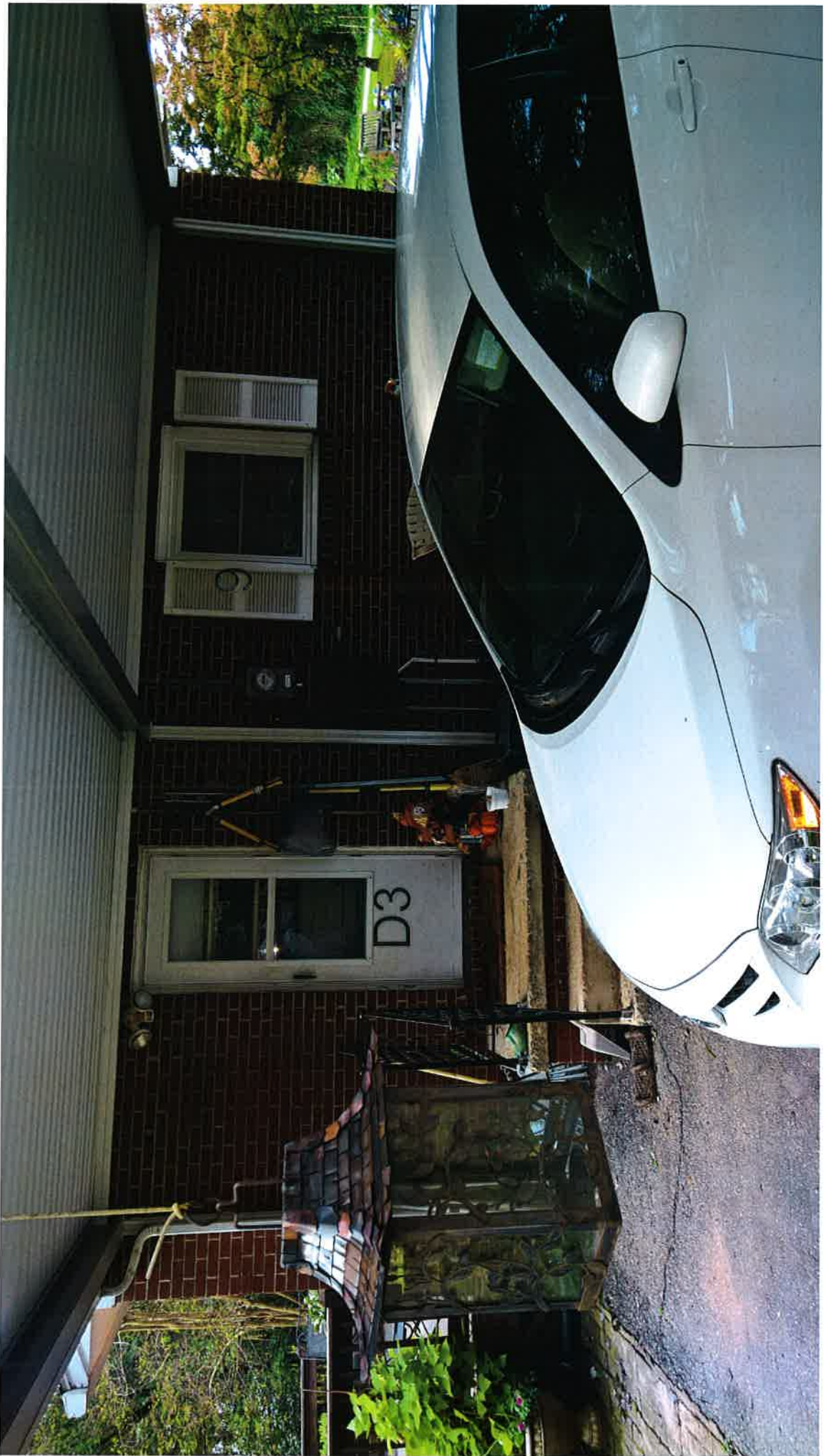
SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07









Site Specific Specifications Form

Owner: JOHNSON

Address: 3309 DAIRY POINT DRIVE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W2A	W2B	W3A	W3B	W3C	W3D	W3E	W3F	W4	W5	W6	W7	W8
Install Acoustical Storm Window		X														
Figure		11, 12	11, 12	11, 12	11, 12	11, 12	11, 12	11, 12	11, 12	11, 12	11, 12	10	10	10	10	10
WINDOW NO.	W9	W10	W11	W12	W13	W14	W15	W16A	W17	W18B	W19A	W20A	W21B	W22B	W23A	W24B
Install Acoustical Storm Window		X														
Figure		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4											
Type of Door		GL	M	GL	SD											
Install Sound Strip on Primary Door																
Install Acoustical Storm Door			X		X											
Install Acoustical Storm Panel		X														
Figure		13	19	13	20											

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Boothbay Blue
Trim Color selected by owner:	Boothbay Blue
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07











Site Specific Specifications Form

Owner: LACKEY

Address: 8043 THORNDIKE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	W1	W2	W3	W4	W5	W6	W7	W8	W9A	W9B	W10	W11	W12	W13	W14
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
WINDOW NO.															
Install Acoustical Storm Window	W15	W16	W17	W18											
Figure	X	X	X	X											
	14	14	14	14											
DOOR TREATMENT															
Type of Door	D1	D2	D3	D4	D5										
Install Sound Strip on Primary Door	M	M	M	SL	M										
Install Acoustical Storm Door	X	X	X	X	X										
Install Acoustical Storm Panel															
Figure	19	19	19	20	19										

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door

SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS:

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07











Site Specific Specifications Form

Owner: MAY

Address: 8009 TAM O'SHANter DRIVE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	14	14	14	14	14	14	14
DOOR TREATMENT	DOOR NO.	D1	D2										
Type of Door		M	M										
Install Sound Strip on Primary Door													
Install Acoustical Storm Door		X	X										
Install Acoustical Storm Panel													
Figure		19	19										

Door Abbreviations:

M = Metal Door

P = Panel Door

S = Solid Door

SD = Sliding Glass Door

FD = French Door

GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth. N	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07









Site Specific Specifications Form

Owner: MILLS

Address: 8129 RENFREW ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		10	10	10	10	10	10	10	10	10	10	10	10	10
DOOR TREATMENT	DOOR NO.	D1	D2											
Type of Door		M	M											
Install Sound Strip on Primary Door														
Install Acoustical Storm Door		X	X											
Install Acoustical Storm Panel														
Figure		19	19											

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Light Mist
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07

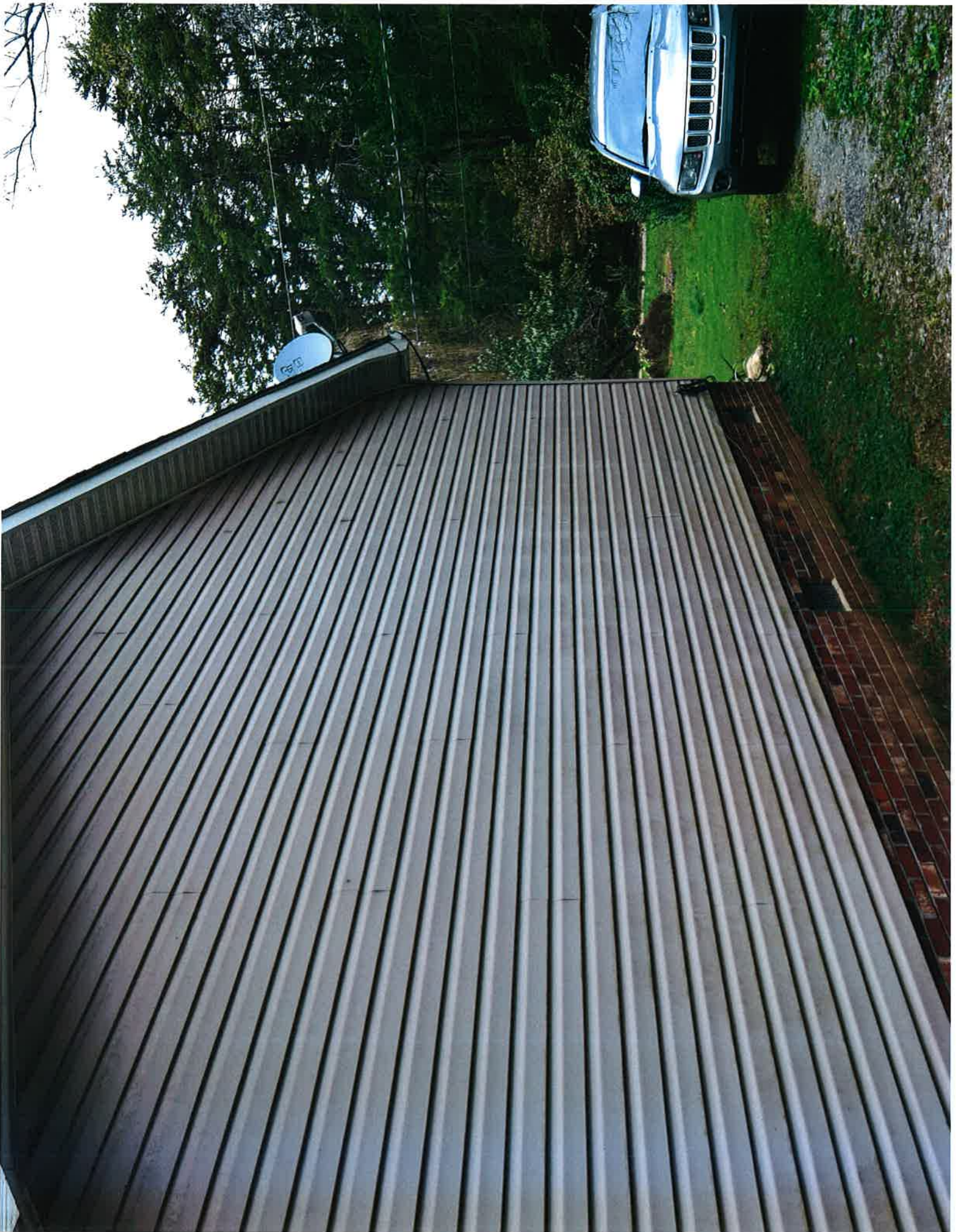












Site Specific Specifications Form

Owner: MOSQUEDA

Address: 703 YEOMAN LANE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	
Figure		10	10	10	10	10	10	10	10	10	10	10	10	10	
DOOR TREATMENT	DOOR NO.	DSE	D2												
Type of Door		M	M												
Install Sound Strip on Primary Door															
Install Acoustical Storm Door		X	X												
Install Acoustical Storm Panel															
Figure		19	19												
Door Abbreviations: M = Metal Door P = Panel Door S = Solid Door															
SD = Sliding Glass Door FD = French Door GL = Glazed															

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Harris Cream
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08









Site Specific Specifications Form

Owner: NEAL

Address: 7912 TAM O'SHANter DRIVE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W2	W3	W4	W5	W6	W7	W8	W9	W10A	W10B	W11	W12A	W12B
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X		X	X	X	X	X
Figure		16	16	16	16	16	16	16	16	16		16	16	16	16	16
Install Acoustical Storm Window	WINDOW NO.	W13A	W13B	W14												
Figure		X	X	X												
		16	16	16												
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5										
Type of Door		M	SL	M	M	M										
Install Sound Strip on Primary Door																
Install Acoustical Storm Door		X	X	X	X	X										
Install Acoustical Storm Panel																
Figure		19	20	19	19	19										

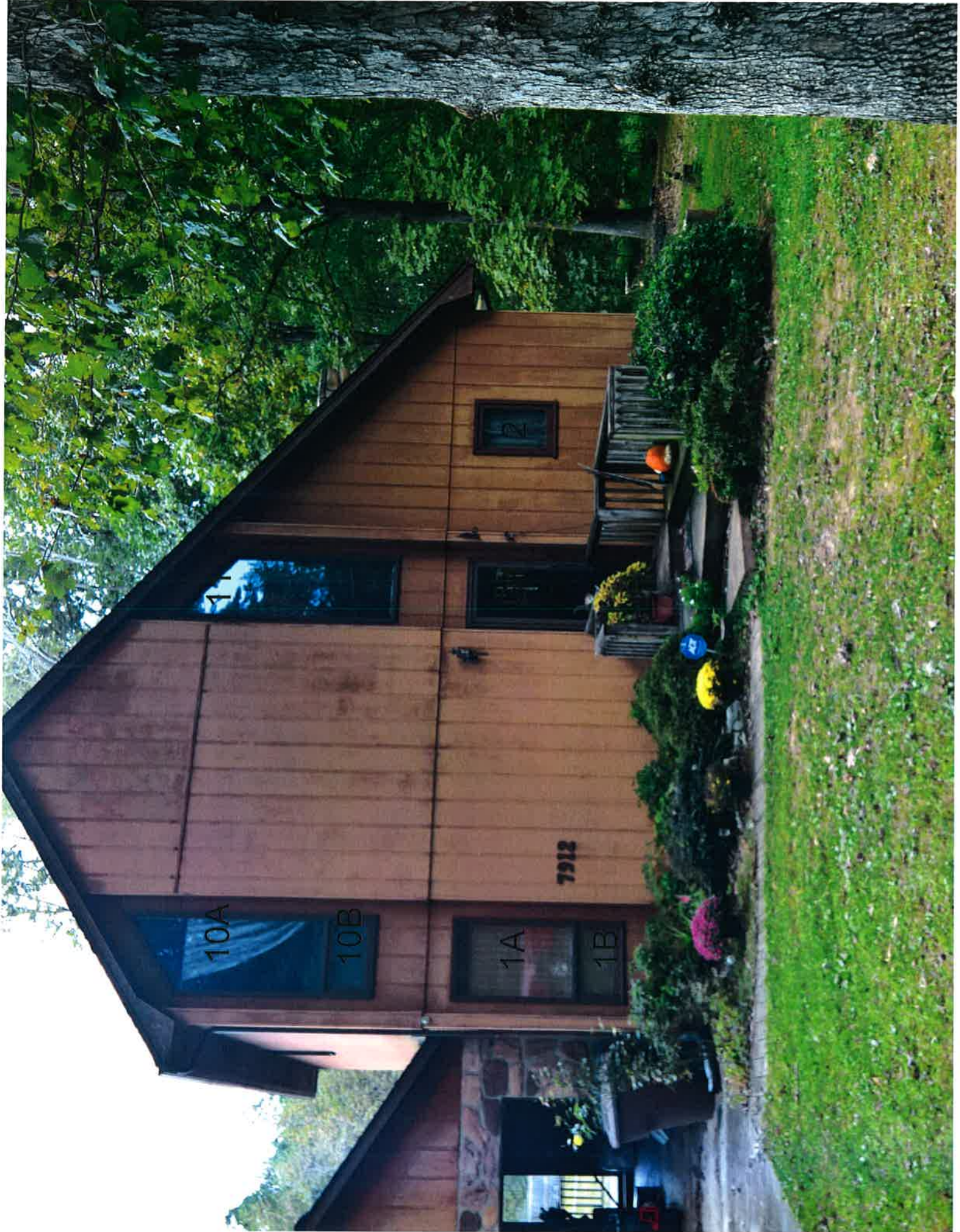
Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	
Install Cement Fiber Clapboards Over Existing Siding	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Chestnut Brown
Trim Color selected by owner:	Cobble Stone
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08









D4-IN GARAGE
ON HOUSE
WALL

9

14

Site Specific Specifications Form

Owner: O'Reilly

Address: 4910 Caitlin Nicole Ct.

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	W1	W2	W3	W4	W5	W6	W7	W8A	W8B	W9	W10	W11	W12	W13	W13
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure	10	10	10	10	10	10	10	10, 12	10, 12	10	10	10	10	10	10
WINDOW NO.	W14	W15	W16	W17	W18	W19	W20A	W20B	W21	W22	W23	W24	W25	W26A	W26B
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure	10	10	10	10	10	10	10, 12	10, 12	10	10	10	10, 12	10, 12	10, 12	10, 12
WINDOW NO.	W27	W28	W29	W30	W31	W32	W33	W34	W35	W36	W37	W38	W39	W40	W41
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure	10	10	10	10	10	10	10, 12	10, 12	10	10	10	10, 12	10, 12	10, 12	10, 12
DOOR NO.	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15
Type of Door	GL	M	GL	SD	SD	D6									
Install Sound Strip on Primary Door		X		X											
Install Acoustical Storm Door															
Install Acoustical Storm Panel	X		X												
Figure	13	19	13	20											

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Light Mist
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07







17

18

19

20A 20B 21

22

23

3

4

5



6

7

8A 8B

9



D4





26A-26B

25

24

11

10

Address: 8217 TYNER ROAD

Address: 8217 TYNER ROAD

Parcel No:

OTHER TREATMENTS		
Add attic insulation to 12" depth.	Contractor verify if needed	
Install Attic Stair Detail	Contractor verify if needed	
Install Central Air Condition System	Yes	
Install Sound Strip on Crawl Space Door	Contractor verify if needed	
Install Cement Fiber Clapboards Over Existing Siding	Yes	

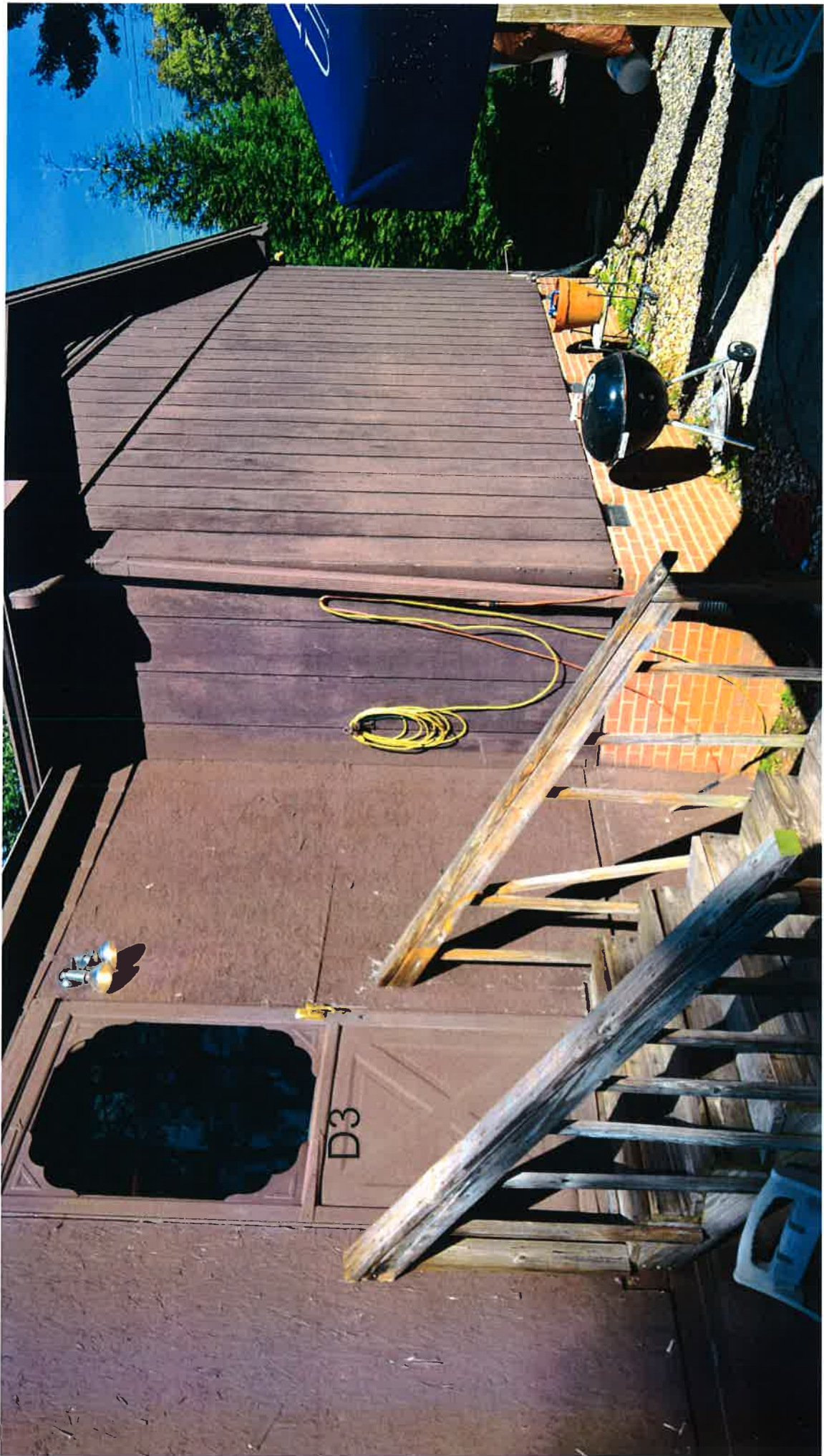
SELECTIONS BY OWNER	
Siding Color selected by owner:	Countryside Red
Trim Color selected by owner:	Countryside Red
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08











Site Specific Specifications Form

Owner: PETTY

Address: 8046 THORNDIKE ROAD

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W2	W3	W4A	W4B	W4C	W5	W6	W7A	W7B	W8	W9	W10	W11
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	13	14	14	14	10	10	10	10	14	14
WINDOW NO.																
Install Acoustical Storm Window		W12	W13	W14												
Figure		X	X	X												
DOOR NO.																
Type of Door		D1	D2	D3												
Install Sound Strip on Primary Door		M	M	SD												
Install Acoustical Storm Door		X	X	X												
Install Acoustical Storm Panel																
Figure		19	19	20												

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

SELECTIONS BY OWNER

Siding Color selected by owner:	Khaki Brown
Trim Color selected by owner:	Khaki Brown
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint - 07









Site Specific Specifications Form

Owner: PITTS

Address: 8047 NATIONAL SERVICE ROAD

Parcel No:

PLANNED TREATMENT															
WINDOW TREATMENT	WINDOW NO.	W1A	W1B	W1C	W2	W3A	W3B	W4	W5	W6	W7	W8	W9	W10	W11
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	14	14	14	14	14	14	14	14	14
DOOR TREATMENT	DOOR NO.	D1	D2	D3											
Type of Door		M	SL	M											
Install Sound Strip on Primary Door															
Install Acoustical Storm Door		X	X	X											
Install Acoustical Storm Panel															
Figure		19	20	19											
Door Abbreviations:															
M = Metal Door															
P = Panel Door															
S = Solid Door															
SD = Sliding Glass Door															
FD = French Door															
GL = Glazed															

OTHER TREATMENTS	
Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

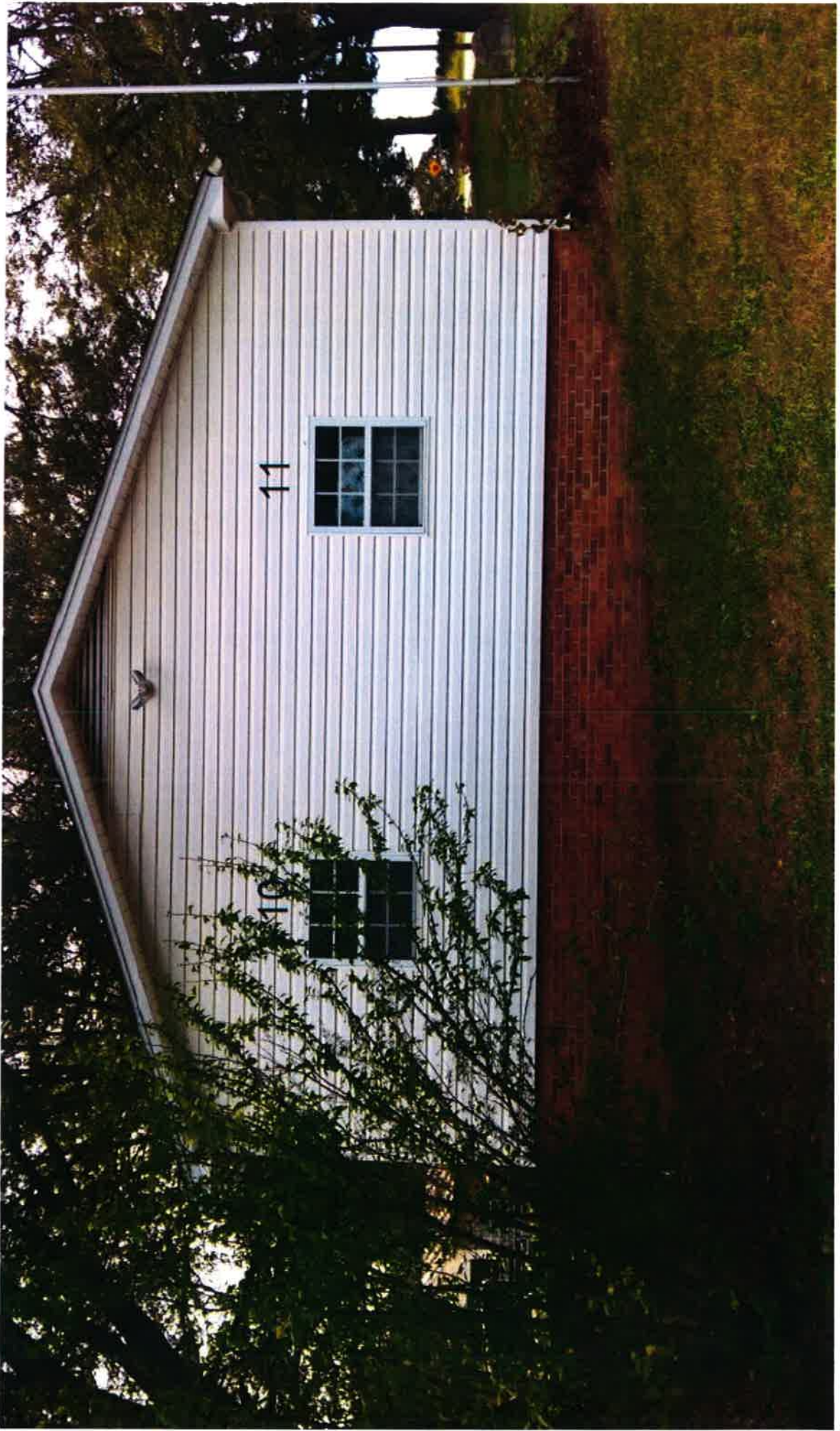
SELECTIONS BY OWNER

Siding Color selected by owner:	Arctic White
Trim Color selected by owner:	Arctic White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07









Site Specific Specifications Form

Owner: SEDANO

Address: 8015 TAM O'SHANTER DRIVE

Parcel No:

PLANNED TREATMENT												
WINDOW TREATMENT	WINDOW NO.	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	14	14	14	14	14	14
DOOR TREATMENT												
Type of Door	DOOR NO.	D1	D2	D3								
Install Sound Strip on Primary Door		M	M	*								
Install Acoustical Storm Door		X	X	*								
Install Acoustical Storm Panel												
Figure		19	19									
Door Abbreviations: M = Metal Door P = Panel Door S = Solid Door SD = Sliding Glass Door FD = French Door GL = Glazed												
OTHER TREATMENTS												
Add attic insulation to 12" depth.	Contractor verify if needed											
Install Attic Stair Detail	Contractor verify if needed											
Install Sound Strip on Crawl Space Door	Contractor verify if needed											
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes											

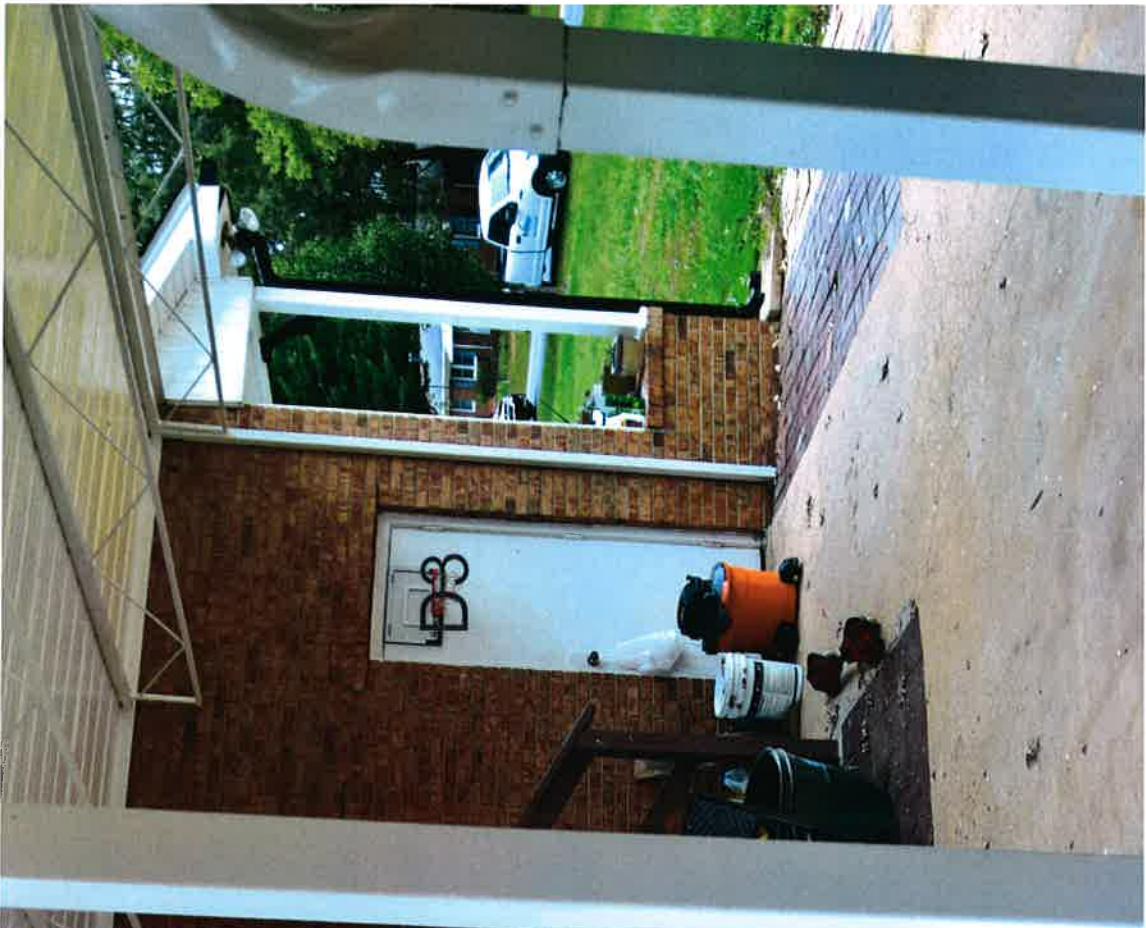
SELECTIONS BY OWNER	
Siding Color selected by owner:	Sail Cloth
Trim Color selected by owner:	Artic White
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07

*Outswing door









Site Specific Specifications Form

Owner: SPEAR

Address: 705 YEOMAN LANE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT		W1	W2	W3	W4	W5	W6	W7	W8	W9	W10					
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X					
Figure		10	10	15	15	10	10	10	10	17	17					
DOOR TREATMENT		D1	D2	D3	D4	D5	D6A	D6B	D7A	D7B	D8A	D8B	D9A	D9B	D10	D11
Type of Door		SL	SL	SL	SL	SL	SL	GL	SL	GL	SL	GL	SL	GL	M	M
Install Sound Strip on Primary Door		X	X	X	X	X	X		X		X		X		X	X
Install Acoustical Storm Door								X		X		X		X		
Install Acoustical Storm Panel																
Figure		20	20	20	20	20	20	13	20	13	20	13	20	13	19	19
DOOR TREATMENT		D12A	D12B	D13A	D13B	D14	D15									
Type of Door		SL	GL	SL	GL	M	M		Door Abbreviations:							
Install Sound Strip on Primary Door									M = Metal Door							
Install Acoustical Storm Door		X		X		X	X		P = Panel Door							
Install Acoustical Storm Panel			X		X				S = Solid Door							
Figure		20	13	20	13	19	19									

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08











Site Specific Specifications Form

Owner: SPENCER

Address: 8016 TAM O'SHANTER DRIVE

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2A	W2B	W3	W4	W5	W6	W7	W8	W9	W10	W10A	W10B
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	14	14	14	14	14	14	14	14
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4									
Type of Door		M	M	M	M									
Install Sound Strip on Primary Door														
Install Acoustical Storm Door		X	X	X	X									
Install Acoustical Storm Panel														
Figure		19	19	19	19									

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	White Paint - 07
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	White Paint - 07











Site Specific Specifications Form

Owner: WALLACE

Address: 554 PEGG

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X		
Figure	15	15	15	15	15	15	15	15	15	15	15		
DOOR TREATMENT	D1	D2	D3										
Type of Door	M	M	M										
Install Sound Strip on Primary Door													
Install Acoustical Storm Door	X	X	X										
Install Acoustical Storm Panel													
Figure	19	19	19										
Door Abbreviations: M = Metal Door P = Panel Door S = Solid Door SD = Sliding Glass Door FD = French Door GL = Glazed													

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Central Air Condition System	Yes
Install Sound Strip on Crawl Space Doors	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	N/A

SELECTIONS BY OWNER

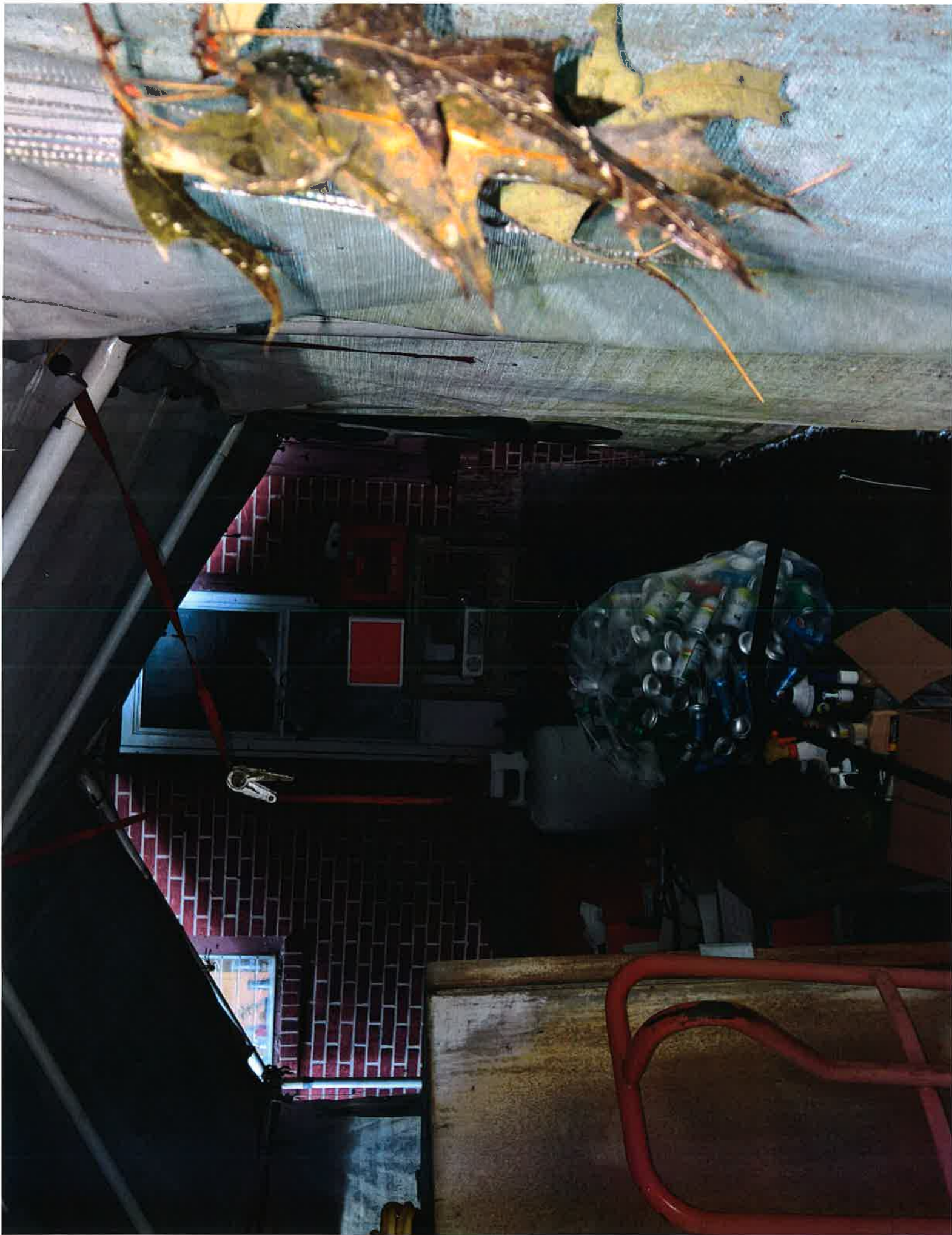
Siding Color selected by owner:	N/A
Trim Color selected by owner:	N/A
Acoustical Storm Door Color selected by owner:	Bronze Painte -08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Painte -08













Site Specific Specifications Form

Owner: WATSON

Address: 2400 KRISTA-KIM

Parcel No:

PLANNED TREATMENT

WINDOW TREATMENT	WINDOW NO.	W1	W2	W3A	W3B	W4A	W4B	W5A	W5B	W6A	W6B	W7A	W7B	W8	W9A	W9B
Install Acoustical Storm Window		X		X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	14	14	14	14	14	14	14	14	14	14	14	10	14	14
WINDOW NO.		W9C		W11A	W11B	W12A	W12B	W13	W14	W15	W16A	W16B	W17A	W17B	W18A	W18B
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure		14	15	14	14	14	14	14	14	14	14	14	14	14	10	14
WINDOW NO.		W19		W21A	W21B	W21C	W21A	W21B	W21C	W22	W23	W24				
Install Acoustical Storm Window		X	X	X	X	X	X	X	X	X	X	X				
Figure		10	14	16	16	16	14	14	14	14	14	14				
DOOR TREATMENT	DOOR NO.	D1	D2	D3	D4	D5	D6	D7								
Type of Door		GL	M	GL	*	SL	M	M								
Install Sound Strip on Primary Door																
Install Acoustical Storm Door			X		*	X	X	X								
Install Acoustical Storm Panel		X		X												
Figure		13	19	13		20	19	19								

Door Abbreviations:
SD = Sliding Glass Door
FD = French Door
GL = Glazed

OTHER TREATMENTS

Add attic insulation to 12" depth.		Contractor verify if needed
Install Attic Stair Detail		Contractor verify if needed
Install Sound Strip on Crawl Space Door		Contractor verify if needed
Replace Existing Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes	

SELECTIONS BY OWNER

Siding Color selected by owner:	Monterey Taupe
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	White Paint-07
Acoustical Storm Door Hardware Color selected by owner:	White
Acoustical Storm Window Color selected by owner:	White Paint-07

*Outswing













Site Specific Specifications Form

Owner: YARBOROUGH

Address: 3320 DAIRY POINT DRIVE

Parcel No:

PLANNED TREATMENT

WINDOW/TREATMENT	W1	W2	W3	W4	W5	W6	W7A	W7B	W8	W9	W10	W11	W12	W13	W14
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure	11	11	10	10	10	10	10, 12	10, 12	10	10	10	10	10	11	11
WINDOW NO.	W15A	W15B	W15C	W16	W17	W18	W19	W20	W21	W22A	W22B	W23	W24	W25	W26
Install Acoustical Storm Window	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Figure	11, 12	11, 12	11, 12	10	10	10	10	10	10	10, 12	10, 12	10	10	10	10
DOOR TREATMENT	D1	D2	D3	D4											
Type of Door	GL	M	GL	SL											
Install Sound Strip on Primary Door															
Install Acoustical Storm Door		X		X											
Install Acoustical Storm Panel	X		X												
Figure	13	19	13	20											

OTHER TREATMENTS

Add attic insulation to 12" depth.	Contractor verify if needed
Install Attic Stair Detail	Contractor verify if needed
Install Sound Strip on Crawl Space Door	Contractor verify if needed
Replace Vinyl Siding with Cement Fiber Backer Board and Cement Fiber Clapboards	Yes

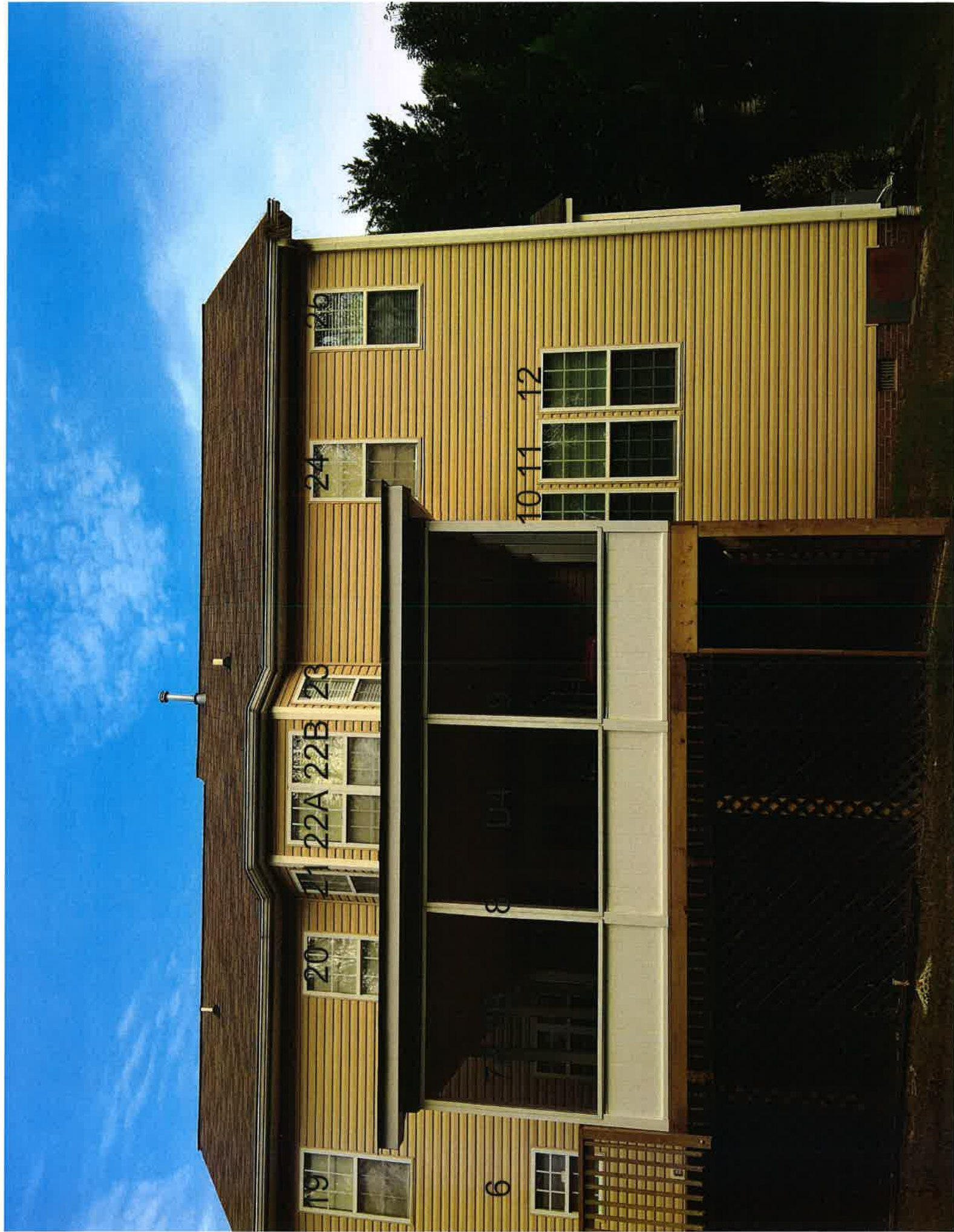
SELECTIONS BY OWNER

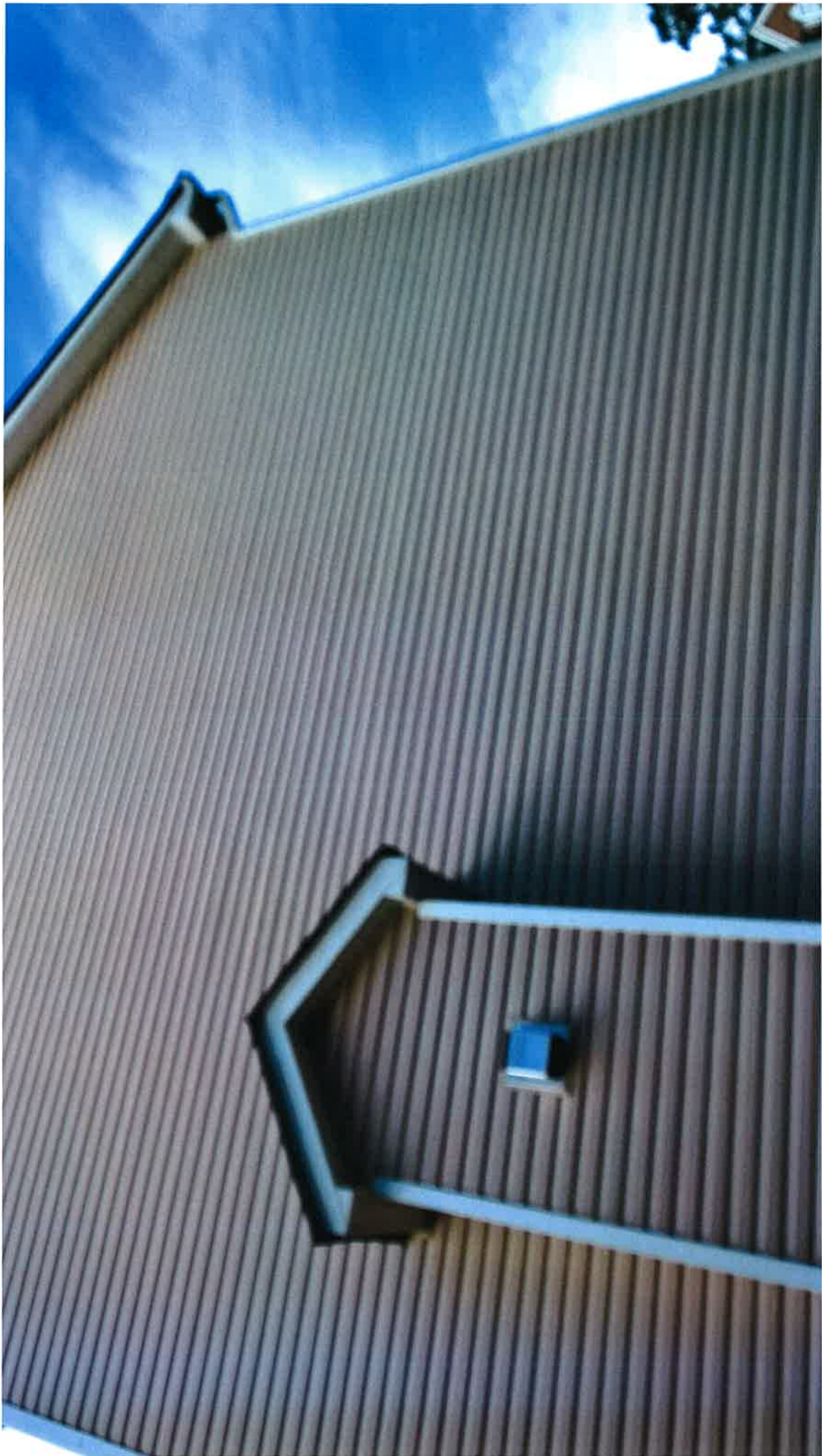
Siding Color selected by owner:	Timber Bark
Trim Color selected by owner:	White
Acoustical Storm Door Color selected by owner:	Bronze Paint - 08
Acoustical Storm Door Hardware Color selected by owner:	Black
Acoustical Storm Window Color selected by owner:	Bronze Paint - 08

Door Abbreviations:
M = Metal Door
P = Panel Door
S = Solid Door
SD = Sliding Glass Door
FD = French Door
GL = Glazed









**SUPPLEMENTAL TERMS
AND CONDITIONS**

SUPPLEMENTAL TERMS AND CONDITIONS

RESIDENTIAL SOUND INSULATION PROGRAM

PIEDMONT TRIAD INTERNATIONAL AIRPORT

CONTRACTOR INSURANCE REQUIREMENTS

GENERAL SPECIFICATIONS

HOMEOWNER WARRANTY FORM

CONTRACTOR'S AFFIDAVIT AND
FINAL WAIVER OF LIEN

January, 2019

CONTRACTOR INSURANCE REQUIREMENTS

1. Workers' Compensation:

- | | | |
|-----|----------------------|-------------|
| (a) | State | Statutory |
| (b) | Employer's Liability | \$1,000,000 |

2. Comprehensive General Liability:

- | | | |
|-----|--|---------------------------------|
| (a) | Bodily Injury and Property Damage
Combined Single Limit | \$1,000,000
(Per Occurrence) |
| (b) | The Contractor's general Liability insurance shall provide coverage for the following (1) Premises - Operations, (2) Independent Contractors, (3) Products/ Completed Operations Hazard, (4) Broad Form Property Damage, (5) Explosion and Collapse Hazard, where applicable, and (6) Personal Injury. | |

3. Comprehensive Automobile Liability:

- | | | |
|-----|---|---------------------------------|
| (a) | Bodily Injury and Property Damage:
Combined Single Limit | \$1,000,000
(Per Occurrence) |
| (b) | The Contractor's Comprehensive Automobile Liability Insurance shall provide coverage for Bodily Injury and Property Damage Per Occurrence for owned, hired, and non-owned vehicles. | |

4. Homeowner's Protective Liability Insurance:

The Contractor shall obtain in the name of each Homeowner, Owner's Protective Liability Insurance which will have the same limits of coverage for the same period as that required above for the Contractor's general liability coverage, including liability for acts of subcontractors and subordinate contractors.

GENERAL SPECIFICATIONS

FOR

RESIDENTIAL SOUND
INSULATION PROGRAM

PIEDMONT TRIAD
INTERNATIONAL AIRPORT

1000-A TED JOHNSON PARKWAY

GREENSBORO, NC 27409

336-665-5600

2019

These General Specifications contain the design and construction details for the various types of sound insulation improvements that may be made in the houses included in the Authority's Residential Sound Insulation Program. Not all of the improvements described in these General Specifications will be made in every house. The improvements to be made in a particular house are those that are listed on the Site-Specific Specifications for the house in question or that are necessary to complete one of the listed improvements in the Site-Specific Specifications.

TABLE OF CONTENTS

I. GENERAL REQUIREMENTS	1
A. General	1
Related Documents.....	1
Labor and Materials	1
Cutting and Patching.....	1
Verifications of Existing Dimensions	2
Protection of Finished Surfaces	2
General Construction Notes	2
II. ALLOWANCES.....	4
A. General	4
Related Documents.....	4
Fireplace Doors Allowance.....	4
Adjustment of Cash Allowances.....	4
B. Products.....	4
C. Execution	4
Schedule of Allowances	4
III. CONSTRUCTION FACILITIES.....	5
A. General	5
Description of Requirements.....	5
Quality Assurance	5
B. Products.....	5
Materials and Equipment.....	5
C. Execution	5
D. Field Conditions	6
Toilet Facilities	6
Occupancy	6
IV. ROUGH CARPENTRY	7
A. General	7
Summary.....	7

Quality Assurance	7
B. Products	7
Materials.....	7
C. Execution	8
Installation	8
V. FINISH CARPENTRY	11
A. General	11
Summary.....	11
Quality Assurance	11
B. Products.....	11
Materials.....	11
C. Execution	11
Installation	11
D. Removal of Wall-Mounted Air Conditioning Unit	12
VI. THERMAL & MOISTURE PROTECTION FOR RESIDENCES WHERE VINYL SIDING IS REPLACED WITH FIBER-CEMENT SIDING	13
A. General	13
Summary.....	13
Quality Assurance	13
B. Products.....	13
Materials.....	13
C. Execution	13
Installation	13
VII. INSULATION	14
A. General	14
Summary.....	14
Quality Assurance	14
B. Products.....	14
Materials.....	14

C. Execution	14
Installation	14
VIII. WOOD DOORS AND FRAMES.....	16
A. General	16
Summary.....	16
Submittals	16
Quality Assurance	16
B. Products.....	17
Manufacturers	17
Fabrication	17
C. Execution	17
Installation	17
Adjusting and Protection	18
IX. ACOUSTICAL WINDOWS AND DOORS	19
A. General	19
Summary.....	19
System Description	19
Submittals	19
Project Conditions	20
B. Products.....	20
Manufacturers	20
Materials.....	20
Hardware.....	21
Accessories.....	21
Fabrication	22
Acoustical Storm Window Units	22
Acoustical Storm Doors (Hinged Doors)	22
Acoustical Patio Storm Door	22
C. Execution	23
Installation	23
Adjusting and Cleaning	23

X.	SECTIONAL OVERHEAD DOOR.....	24
A.	General	24
	Summary.....	24
	Submittals	24
B.	Products.....	24
	Manufacturer	24
	Type	24
	Materials and Construction.....	24
C.	Execution	25
	Installation	25
	Adjustment and Demonstration	25
XI.	GYPSUM DRYWALL.....	26
A.	General	26
	Summary.....	26
	Quality Assurance	26
	Delivery, Storage, and Handling.....	26
	Project Conditions	26
B.	Products.....	27
	Manufacturers	27
	Gypsum Board	27
	Trim Accessories.....	27
	Gypsum Board Joint Treatment Materials.....	27
	Miscellaneous Materials	28
C.	Execution	28
	Examination	28
	Application and Finishing of Gypsum Board, General.....	28
	Installation of Drywall Trim Accessories.....	29
	Finishing of Drywall	30
	Protection	30
XII.	PAINTING, STAINING, AND VARNISHING	31
A.	General	31
	Summary.....	31
	Acceptable Products	31

Quality Assurance	31
B. Products.....	32
Products Compatibility	32
C. Execution	32
Preparation.....	32
D. Paint Schedule.....	33
Interior.....	33
Exterior Stain.....	33
Exterior Trim.....	34
XIII. ROOF	35
A. Shingle Installation.....	35
B. Quality Assurance	35
XIV. FIBER-CEMENT REPLACEMENT SIDING WITH BACKING LAYER.....	36
A. General	36
Summary.....	36
Submittals	36
B. Products.....	36
Summary.....	36
C. Execution	37
XV. SOUND SEALS ON PRIMARY DOORS AND CRAWL SPACE DOORS	38
A. General	38
Summary.....	38
Entry Doors	38
Door Sides and Top	38
Submittals	40
APPENDIX 1. DRAWINGS	41
Fig. 1 - Typical Baffle Detail at Attic Fan Vents.....	42
Fig. 2 - Typical Baffle Detail at Attic Gable Vent	43

Fig. 3 - Typical Baffle Detail at Attic Vent Openings	44
Fig. 4 - Typical Sound Baffle at Ridge Vent	45
Fig. 5 - Typical Baffle Detail at Attic Soffit Vents	46
Fig. 6 - Typical Shim Space Treatment.....	47
Fig. 7 - Attic Stairs Detail	48
Fig. 8 - House Fan Baffle Detail	49
Fig. 9 - Foundation Space Vent Detail	50
Fig. 10 - PTI Type #1W Window Install.....	51
Fig. 11 - PTI Type #2W Window Install.....	52
Fig. 12 - PTI Type #1aW or #2aW Window Install	53
Fig. 13 - PTI Type #3W Window Install.....	54
Fig. 14 - PTI Type #4W Window Install.....	55
Fig. 15 - PTI Type #5W Window Install.....	56
Fig. 16 - PTI Type #6W Window Install.....	57
Fig. 17 - PTI Type #7W Window Install.....	58
Fig. 18 - PTI Type #8W Window Install.....	59
Fig. 19 - PTI Type #1D Hinged Storm Door Install.....	60
Fig. 20 - PTI Type #2D Sliding Patio Storm Door Install	61

I. GENERAL REQUIREMENTS

A. General

Related Documents

The Site Specific Specifications have been prepared based on the assumption that the Contractor will utilize these Specifications in interpreting the Site Specific Specifications.

Labor and Materials

1. Unless otherwise specifically noted, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment, transportation, and other facilities and services necessary for the proper execution and completion of his Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.
2. When these specifications reference a particular product or an approved equal, the reference to an "approved equal" is limited to products that the Contractor has submitted to the Authority prior to bidding, and that the Authority has approved, in accordance with the procedure set forth in the Instructions to Bidders. The Authority shall make the final determination as to whether the Contractor's proposed substitution is acceptable as provided in that procedure. Substitute products will not be considered for approval except as allowed in the Instructions to Bidders.
3. The Contractor shall enforce strict discipline and good order among his employees or other persons carrying out Work of his Contract and shall not permit employment of unfit person or persons or anyone not skilled in the task assigned to them.

Cutting and Patching

The Contractor shall not perform cutting that may impair the strength of the building or its components, Work shall be done in a neat manner by mechanics skilled in their trades, and the final Work shall be subject to approval by the Airport and Owner.

Verifications of Existing Dimensions

The Contractor shall be responsible for the procurement of the field information.

Protection of Finished Surfaces

The Contractor shall be responsible for protection of the Owner's furnishings and finished surfaces during the Construction period. The Contractor shall protect new and existing finishes. Neither the Owner nor the Authority will accept or pay for materials which are damaged.

General Construction Notes

1. General contractor to field measure all openings for new windows and doors.
2. Replace all damaged siding due to window and door demolition.
3. 12" insulation in attic areas is required only where no attic flooring exists. In places where attic flooring exists, blow in insulation to the thickness of the floor joists.
4. Apply sound stripping to all attic access doors and drop-down stairs.
5. Increase existing ceiling insulation to R-30 as follows:
 - a. Blown-in insulation to a total 12" thickness where blown-in insulation exists currently.
 - b. Fiberglass batts--12" thick--with paper face toward conditioned space where no insulation exists currently.
 - c. Unfaced fiberglass batts as required to 12" total thickness where batts exist currently.
6. All crawlspace access doors on the exterior of the residences to be solid wood construction or an insulated hollow metal door. All crawlspace doors shall be weatherstripped and caulked. Rehang or replace doors which do not swing or operate freely.
7. Where existing glass panels are to remain, tighten panels and caulk as required.
8. Caulk and seal (w/Compressible filler) around all door and window openings where the jamb/frame meets the stud wall.

9. Contractor to protect exposed areas of houses from weather and secure at the end of the work day.
10. Contractor to inspect existing crawlspace vents, to insure adequate ventilation.
11. Owner to pick color for doors and windows from manufacturers standard color options.
12. The owner shall have salvage rights to any materials and/or equipment removed to prepare for proposed construction.
13. Contractor shall repair any damage to property resulting from specified work.
14. Before removing any alarm contacts from windows or doors, Contractor should check to verify that contacts are in good working order. Contractor is responsible for reconnection of all alarm contacts on installed primary or storm doors and/or primary or storm windows after the Work is completed and should confirm that connections are working.
15. All baffles and insulation barriers shall be installed before the house is insulated.
16. All air-conditioning work must be completed prior to installing storm windows and doors.

The Contractor is advised that, where caulking is required, the quality of the caulking is critical to the final result, and caulking should be applied with special care and attention.

II. ALLOWANCES

A. General

Related Documents

Change Order Data: Include in each change order proposal both the quantities of products being purchased and costs, along with total amount of purchases to be made. Where requested, furnish receipt of purchase to substantiate material costs.

Fireplace Doors Allowance

The General Construction Work shall include in its Base Bid work the allowance amount listed under "Schedule of Allowance" below.

Adjustment of Cash Allowances

Unused amounts of allowances shall be credited to the job site by deduct Change Order prior to approval of Final Application for Payment.

B. Products (Not Applicable)

C. Execution

Schedule of Allowances

Allowance No. 1: The General Construction Work Base Bid shall include a Fireplace Doors Allowance of \$350.00. This allowance is for materials only; associated labor shall be included in the base bid proposal.

III. CONSTRUCTION FACILITIES

A. General

Description of Requirements

The Contractor shall include all costs associated with the supply, installation, maintenance, and usage of the construction facilities described below in the General Contract Base Bid:

- a. Plug-in electric power cords and extension cords, and supplementary plug-in task lighting and special lighting necessary to complete its own work.
- b. Collection and disposal of its own waste material on a **daily** basis.

Quality Assurance

Regulations: The Contractor shall comply with state and local laws and regulations governing construction.

B. Products

Materials and Equipment

1. Electrical Power Cords: Use only grounded extension cords; use "hard-service" cords where exposed to abrasion and traffic. Use single lengths or waterproof connectors to connect separate lengths, if single lengths will not reach work areas.
2. Lamps and Light Fixtures: Provide general service incandescent lamps of wattage required for adequate illumination. Protect lamps with guard cages, where fixtures are exposed to breakage by construction operation. Provide exterior fixtures where fixtures are exposed to weather or moisture.

C. Execution

Tie into Project Residence for power and water if needed.

D. Field Conditions

Toilet Facilities

The Owner's toilet facilities are not available to the Contractor.

Occupancy

The Owner will occupy the site of the Work continuously during the contract period and care shall be taken to minimize disruption to the Owner's normal activities within the house while the Work is in progress.

IV. ROUGH CARPENTRY

A. General

Summary

1. Provide rough carpentry work (if required):
 - a. Wood framing
 - b. Sheathing
 - c. Subflooring
 - d. Backing Panels for Utilities
 - e. Nailers, blocking, furring, and sleepers
2. Related work:
 - a. Insulation
 - b. Exterior wood door
 - c. Acoustical storm door (hinged)
 - d. Acoustical storm window
 - e. Sliding acoustical patio storm door

Quality Assurance

Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

B. Products

Materials

1. Lumber, finished 4 sides, 19% maximum moisture content:
 - a. Light framing: Construction grade No. 2 grade spruce.
 - b. Structural framing: Construction grade No. 2 grade spruce or yellow pine.
 - c. Boards: Construction grade.
2. Wood for nailers, blocking, furring, and sleepers: Construction grade, finished 4 sides, 19% maximum moisture content. Pressure preservative

treat items in contact with roofing, flashing, waterproofing, masonry, concrete or the ground. Provide blocking for all mounted items including:

- a. Casework
 - b. Window treatment
3. Plywood, APA rated for use and exposure:
- a. Roof Sheathing: (if required) APA Sheathing, Exterior.
 - b. Wall Sheathing: (if required) APA sheathing, C-D plugged, Exterior.
 - c. Backing Panels: APA C-D plugged interior with exterior glue, fire retardant treated $\frac{3}{4}$ " thick.
4. Building Paper: Asphalt saturated felt, non-perforated, ASTM D226, Type 1.
5. Wood Treatment:
- Preservative treatment: Pressure-treated with waterborne preservatives, to comply with AWPB LP-2 for above-ground items, LP-22 for ground contact items. Kiln dried after treatment to 19% maximum moisture content for lumber and 15% for plywood. Treat above-ground wood exposed to deterioration by moisture and all wood in contact with the ground or fresh water.

C. Execution

Installation

1. Wood framing: Comply with recommendation of NFPA Manual for House Framing, NFPA Recommended Nailing Schedule, and NFPA National Design Specification for Wood Construction.
2. Plywood: Comply with recommendations of APA Design and Construction Guide - Residential and Commercial.
3. Provide nailers, blocking and grounds where required. Set work plumb, level and accurately cut.
4. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with other work.
5. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.

6. Restore damaged components in immediate area of improvement. Protect work from damage.
7. Installation of Attic Fan Vent Baffle (Fig. 1):
 - a. Install plywood baffle as shown on drawing in Appendix 1. Provide nailers, blocking and shims as required.
 - b. Furnish and install duct liner board. Secure firmly onto wood blocking with galvanized metal wire and nails, conforming to insulation manufacturer's instructions.
8. Installation of Attic Gable End Vent Baffle (Fig. 2):
 - a. Install plywood baffle as shown on drawing in Appendix 1. Provide nailers, blocking and shims as required.
 - b. Furnish and install fiberglass batt insulation. Secure firmly onto wood blocking with galvanized metal wire and nails, conforming to insulation manufacturer's instructions.
9. Installation of Attic Vent Opening Baffle (Fig. 3):
 - a. Install plywood baffle as shown on drawing in Appendix 1. Provide nailers, blocking and shims as required.
 - b. Furnish and install fiberglass batt insulation. Secure firmly onto wood blocking with galvanized metal wire and nails, conforming to insulation manufacturer's instructions.
10. Installation of Ridge Vent Baffle (Fig. 4):
 - a. Install plywood baffle as shown on drawings in Appendix 1. Provide nailers, blocking and shims as required.
 - b. Furnish and install fiberglass batt insulation. Secure firmly onto wood blocking with galvanized metal wire and nails, conforming to insulation manufacturer's instructions.
11. Installation of Eave Vent (Soffit Vent) Baffle (Fig. 5):
 - a. Insure that attic insulation has been increased to thickness specified in Scope of Work and that insulation stops between rafters have been installed.
 - b. Install wood blocking as shown on drawings in Appendix 1.
 - c. Furnish and install fiberglass batt insulation. Secure firmly into wood blocking with galvanized metal wire and nails, conforming to insulation manufacturer's instructions.

12. Typical Shim Space treatment (Fig. 6):

- a. Use detail in Fig. 6 of Appendix 1 to assure that shim space between rough opening in framing and window and door units does not become a thermal or acoustical "leak."
- b. Fill shim space between rough opening and window and door units with batt insulation.
- c. Insert backer rod and caulk spaces between rough framing and window and door units on inside and outside of structure.

13. Installation of Attic Stairs Detail (Fig. 7):

- a. Install edge framing for attic insulation as shown in Fig. 7 in Appendix 1.
- b. Install fiberglass duct-board as shown in Fig. 7 fastened according to manufacturer's instructions.

14. House Fan Baffle Detail (Fig. 8):

- a. Install edge framing for attic insulation as shown in Fig. 8 in Appendix 1.
- b. Install fiberglass duct-board as shown in Fig. 7 fastened according to manufacturer's instructions.

15. Foundation Space Vent Detail (Fig. 9):

- a. Acquire galvanized sheet metal duct with outside dimensions allowing for a "slip" fit in each vent space.
- b. Install duct liner board and fasten according to manufacturer's instructions.
- c. Insert lined duct into foundation vent opening as shown in Fig. 9 of Appendix 1.
- d. Insert backer rod and caulk space between duct foundation vent opening.

V. FINISH CARPENTRY

A. General

Summary

Provide finish carpentry for exterior items (doors and windows or items in immediate area of improvement), exposed to view.

- a. Running and standing trim and moldings.
- b. Door frames.
- c. Decorative elements (if applicable).

Quality Assurance

Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

B. Products

Materials

1. Quality standard for fabrication and products: Architectural Woodwork Institute Quality Standards, premium grade unless noted otherwise.
2. Exterior finish carpentry:
 - a. Trim and boards for painted finish. Clear pine or fir, or other softwood suitable for exposure and use.
 - b. Plywood painted finish: APA rated, exterior, medium density overlay plywood.

C. Execution

Installation

1. Provide work sizes, shapes, and profile indicated. Install work to comply with quality standards referenced. Back prime work and install plumb, level, and straight with tight joints; scribe work to fit.

2. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Use non-corrosive fasteners for exterior work. Coordinate with other work of other sections.
3. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
4. Repair minor damage around immediate area of improvement and protect.

D. Removal of Wall-Mounted Air Conditioning Unit

Remove unit from wall. Repair and seal opening. Wall reconstruction should conform with standard construction practices. Insulate wall between studs accordingly. Replace exterior and interior walls with like/kind matching material of surrounding wall surface (i.e., exterior: brick, masonite, vinyl, etc.; interior: drywall, paneling, etc.) and when necessary, paint exterior wall to match surrounding surface color to homeowner's satisfaction. Paint opening surface and surrounding surface at least 2 to 3 feet from edge of opening. When necessary, paint interior wall to match surrounding surface color. Paint entire repaired wall. Provide homeowner with additional paint to repaint remainder of room.

VI. THERMAL & MOISTURE PROTECTION FOR RESIDENCES WHERE VINYL SIDING IS REPLACED WITH FIBER-CEMENT SIDING

A. General

Summary

The installation of a water resistive barrier and joint flashing are essential parts of installation of fiber-cement siding. Wherever the fiber-cement siding is installed, the Contractor shall install a moisture barrier in accordance with the instructions of the siding and barrier manufacturer.

Quality Assurance

Comply with governing codes and regulations. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

B. Products

Materials

Non-woven moisture barriers designed for control of air and moisture infiltration: HandieWrap, tyvec or approved equal.

C. Execution

Installation

1. Remove existing barrier and flashing; examine substrate; report unsatisfactory conditions in writing. Construction of work after removal of the siding means acceptance of substrates.
2. Install new barrier in accordance with instructions of the manufacturer including penetrations, junctions with brick and other masonry veneers, and the roof sheathing.

VII. INSULATION

A. General

Summary

Provide building insulation of batt, blanket, blow-in types and duct liner board as applicable.

- a. Roofs and attics (interior), fiberglass batt and/or blown loose-fill.
- b. Exterior stud walls, fiberglass or mineral fiber batt (if applicable).
- c. Soffits fiberglass or mineral fiber batt (if applicable).
- d. Attic blow-in fiberglass insulation.
- e. Duct liner board (where specified)

Quality Assurance

Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

B. Products

Materials

1. Blanket/batt-type insulation: Paper-faced and foil-faced glass fiber blanket insulation types. Manufacturer: Owens Corning Fiberglass Corp. or Authority approved equal.
2. Blow-in: InsulSafe III, Fiber Glass Insulation, Manufacturer: CertainTeed Corporation or Authority approved equal.
3. Duct liner board: Owens Corning or Authority approved equal.

C. Execution

Installation

1. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other

sections. Provide full thickness in one layer over entire area, tightly fitting around penetrations.

2. Blow-in (InsulSafe III must be pneumatically installed by a professional contractor).
3. Protect installed insulation.

VIII. WOOD DOORS AND FRAMES

A. General

Summary

1. Extent and location of each type of wood door and frame is indicated on drawings and in the schedules.
2. Types of doors required include the following:
 - a. 1-3/4" Solid particle core wood flush, AWI PC-5 doors (STC rating of 30 minimum), when installed with appropriate acoustical gasketing and drop seal.
3. Factory-prefitting to frames and factory-premachining for reuse of existing hardware for new doors is included in this section.
4. Finishing of new wood doors, refer to Section XII. Field finishing to comply with manufacturer's suggested preparation for such, and in accordance with AWI and NWWDA recommendations. Manufacturer is not responsible for the appearance of field finishes.

Submittals

1. Product Data: Door manufacturer's technical data for each type of door, including details of core and edge construction, and trim for openings.
2. Samples: Submit samples, 1'-0" square if requested.

Quality Assurance

Quality Standards: Comply with the following standards:

- a. NWWDA Quality Standard: I.S.1 "Industry Standard for Wood Flush Doors," of National wood window and Door Association (NWWDA).
- b. AWI Quality Standards: "Architectural Woodwork Quality Standards," including Section 1300 "Architectural Flush Doors," of Architectural Institute (AWI) for grade door, core construction, finish and other requirements exceeding those of NWWDA's quality standard.

B. Products

Manufacturers

Manufacturer: Subject to compliance with requirements, provide products of one of the following or Authority approved equal:

- a. Algoma Hardwoods, Inc.
- b. Eggers Industries, Architectural Door Division
- c. Weyerhaeuser Company

Fabrication

1. Fabricate wood doors to produce doors complying with the following requirements:
 - a. Factory pre-fit and pre-machine doors to fit frame opening sizes indicated with the following uniform clearances and bevels:
 - i. Comply with tolerance requirements of AWI for prefitting. Comply with final hardware schedules and door frame shop drawings and with hardware templates.
 - ii. Coordinate measurements of hardware mortises in metal frames to verify dimensions and alignment before proceeding with factory premachining.
2. Openings: Cut and trim openings through doors to comply with applicable requirements of referenced standards for kind(s) of doors required.
3. Glazings: Factory glazed with manufacturer's dual glazed acoustical glazing system.
4. Hinges: Heavy duty, ball bearing, non-ferrous metal, finish to match existing hinges.

C. Execution

Installation

1. Hardware: Re-use existing hardware to the greatest extent possible. If new hardware is required, new hardware should match old hardware as closely as possible. Install new hinges.

2. Manufacturer's Instructions: Install wood doors to comply with manufacturer's instructions and of referenced AWI standard and as indicated.
3. Mechanically fasten hinges through the door frames into the wood studs of the door jamb.
4. Pre-fit Doors: Fit to frames for uniform clearance at each edge.
 - a. Field-Finished Doors: Refer to Section XII - "Painting."

Adjusting and Protection

1. Operation: Rehang or replace doors which do not swing or operate freely.
2. Damaged Doors: Replace doors damaged during installation.
3. Care and Handling: Doors shall be handled, stored, finished and installed per manufacturer's recommendations and in accordance with AWI and NWWDA specifications.
4. Before removing any alarm contacts from windows or doors, Contractor should check to verify that contacts are in good working order. Contractor is responsible for reconnection of all alarm contacts on installed doors or windows after the Work is completed and should confirm that connections are working.

IX. ACOUSTICAL WINDOWS AND DOORS

A. General

Summary

1. Extent of each type of acoustical window and door unit required is indicated on the drawings and schedules.
2. Types of Acoustical units required include the following:
 - a. Storm windows.
 - b. Storm doors (hinged).
 - c. Sliding acoustical patio storm door.

System Description

1. Performance Requirements: Comply with performance requirements indicated.
2. STC Rating of 30 (minimum) for acoustical storm windows and 44 (minimum) for replacement window units.
3. STC Rating 32 (minimum) for acoustical storm doors and 46 (minimum) when tested in tandem with an approved acoustical prime door.
4. STC rating of sliding patio storm doors shall be 32 (minimum).

Submittals

1. Shop Drawings: Submit shop drawings for each type of window including information not fully detailed in manufacturer's standard product data.
2. Product Data: Submit manufacturer's product specifications, technical product data, recommendations and standard details for each type window unit required.
3. Laboratory Test Reports: Provide test reports from a testing laboratory certifying acoustical performance of storm window and storm door units required.

Project Conditions

Field Measurements: Check actual window openings in construction work by accurate field measurement before fabrication; show recorded measurement on order details for each home.

B. Products

Manufacturers

Subject to compliance with these specifications, products of the following manufacturers will be considered:

- a. Mon-Ray, Inc., www.monray.com (800) 544-3646.
 - i. Series 500 Secondary Storm Window System.
 - ii. Series 600 Secondary Storm Window System.
 - iii. Series 800 Secondary Hinged Storm Door and Sliding Patio Storm Door.
- b. Airport-approved equivalent systems.

Materials

1. Fasteners: Provide aluminum, non-magnetic stainless steel, or other materials warranted by the manufacturer to be non-corrosive and compatible with window member, trim, hardware, anchors and other components of window units.
2. Anchors, Clips and Window Accessories: Depending on strength and corrosion-inhibiting requirements, fabricate anchors, clips and window accessories of aluminum or non-magnetic stainless steel.
3. Sealant: For sealants required within fabricated window units, provide type recommended by the window manufacturer for joint size and movement. Sealant shall remain permanently elastic, non-shrinking and non-migrating. Sealant shall be Class "A" meeting Federal Specification TT-S-00230.
4. Aluminum: All frame, sash and screen main members shall be aluminum prime alloy 6063-T6. Minimum wall thickness for main members shall be 0.050" for windows and swinging doors. Minimum wall thickness for main members shall be 0.062" for Acoustical Sliding Patio Storm doors.

5. Glazing: Glazing shall be in accordance with DD-G-451 and the Type 1, Class 1, Quality Q5. Glazing shall be clear 1/4" laminated safety glass.
6. Finishes: Finishes for all windows and doors shall be pre-finished with colors selected by Owner from manufacturer's standard colors.

Hardware

General: Except to the extent that more specific or stringent requirements are indicated, provide the manufacturer's standard hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with aluminum and of sufficient strength to perform its intended function. All units shall be provided with positive locking mechanism that prevents entry from exterior.

1. Sash Assist Balances: Overhead mounted block and tackle balances to assist in reducing the operating force when lifting the lower sash. Balance cords shall be removable from sash without the use of special tools. Provide sash assist balances for double-hung storm windows with lower sash weight exceeding 18 lbs. and a sash width greater than 27" wide.

Accessories

1. Screens: Provide insect screens to the exterior of the operable sash. Screens shall be removable to the interior for cleaning and repair without special tools.
2. Weatherstripping: Provide weatherstripping at locations where sash rails slide horizontally or vertically along the unit frame. Provide double compression-type weatherstripping at the perimeter of each operating sash where sliding-type weatherstripping is not appropriate.
3. Sub-Sill: Supply and install (if required) extruded aluminum sub-sills for windows and doors, matching the finish of the window framing.
4. Head & Jamb Sub-Frame: Manufacturer's standard head and jamb sub-frames may be used to facilitate installation of replacement windows. Exposed portions of sub-frames shall match the finish of window and door framing.

Fabrication

1. General: Fabricate aluminum window and door units to comply with indicated standards. Include a complete system for assembly of components and anchorage.
2. Glazing Stops: Provide screw-applied or snap-on glazing stops. Finish glazing stops to match window units.
3. Pre-glazed Fabrication: Pre-glaze units at the factory.

Acoustical Storm Window Units

General: Provide pre-assembled units.

- a. Glazing shall be clear 1/4" laminated safety glass. All vertical sliding sashes shall be equipped with two spring-loaded stainless steel pin-lock assemblies. Sashes shall be adjustable and removable for cleaning without special tools. Adjustment to include multiple ventilation settings for each sash.

Acoustical Storm Doors (Hinged Doors)

General: Provide pre-assembled units with integral frames.

- a. Fixed Glazing shall be clear 1/4" laminated safety glass.
- b. Hinges shall be three (3) stainless steel, double-leaf hinges with self-lubricating oil-lite bushing.
- c. Latch shall be cast aluminum with thumb push on exterior and lever on interior.
- d. Closer shall be adjustable spring-loaded, heavy duty hydraulic cylinder with hold-open feature. Equip with check chain with spring safety cushion.
- e. Weatherstripping to be full perimeter set in frame slot. Sill sweep to be adjustable and extend full width of door.

Acoustical Sliding Patio Storm Door

General: Provide pre-assembled sashes.

- a. All fasteners incorporated in the product shall be non-magnetic stainless steel.

- b. Weatherstrip shall be of materials compatible with aluminum and resistant to weathering. Weatherstripping shall be polypropylene pile with a fin barrier running through the entire length of the weatherstripping.
- c. All hardware shall be of aluminum, stainless steel or other non-corrosive material compatible with aluminum. White metal or plastic hardware is not acceptable.
- d. Operating sash surfaces shall be separated from metal-to-metal contact. Operating sash shall operate smoothly and quietly on zinc plated, galvanized, adjustable 1-1/2" wheels. Each wheel shall roll on its own extruded track rail. Operating and non-operating sash shall be easily removable from the inside for cleaning.
- e. Integrated sill frame track shall be removable from the main sill frame of the Patio Storm Door to allow door sash to remove to the exterior for cleaning, maintenance or repair.

C. Execution

Installation

1. Comply with manufacturer's specifications and recommendations for installation of window units, hardware, operators, sealants and other components of the work. See Figs. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 showing additional installation details.
2. Set units plumb, level and true to line, without warp or rack of frames or sash. Provide proper support and anchor securely in place.

Adjusting and Cleaning

1. Adjust operating sash and hardware to provide a tight fit at contact points and at weatherstripping, smooth operation and a weathertight closure.
2. Clean aluminum and glass surfaces promptly after installation. Lubricate hardware and other moving parts.

X. SECTIONAL OVERHEAD DOOR

A. General

Summary

Provide labor, materials, and equipment necessary for complete installation of the overhead doors as shown on the Drawings and specified herein. Reuse existing closer (if applicable).

Submittals

Product Data: Submit door manufacturer's product data, specification, and installation instructions for overhead door.

B. Products

Manufacturer

1. Overhead doors shall be manufactured by the Overhead door Corporation, Dallas, Texas; specified as the type, size, function, and quality of the products required.
2. Products of the following manufacturers will be considered:
 - a. Porvene McKee Door Company.
 - b. Clopay Overhead Door Co.
 - c. Raynor Manufacturing Co.
 - d. Wayne-Dalton Door Co.

Type

Residential steel sectional upward acting door.

Materials and Construction

1. Panel Construction: Panel sections shall be rolled from zinc-coated steel and chemically treated for paint adherence. Interior and exterior panels shall be .016 inch thick (minimum). Center and end stiles are 16 gauge or heavier steel.

2. Counterbalance: Torsion spring(s) on crossheader shaft. Galvanized lift cables with cable safety factor of 8:1, spring wire stressed to give high cycle life.
3. Hardware: Galvanized steel hinges and fixtures, full floating, hardened steel, ball bearing rollers. Doors reinforced with steel struts according to best engineering practices.
4. Weather Strip: Flexible neoprene strip on bottom section shall provide tight seal between door and floor. Weather strip retainer to hold weather strip and provide additional reinforcement to bottom of door. Provide one inch by 1/4 inch vinyl foam gasket applied continuously to inside of jamb and head. Vinyl foam shall have adhesive back and 1.5 mil polyurethane surface cover in contact with exterior surface of door.
5. Insulation: Provide expanded foam insulation in door sections. Insulation shall be full thickness of door and shall have an "R" factor of 13.33 (minimum) at 75 degrees F mean temperature.
6. Finish: Door panels shall be factory painted.
7. Glazing: Provide standard glazing units of 24 by 7 inches, held in place with glazing moldings. Single glazing shall be DSA clear glass. Locate glazing units approximately 5'-0" above floor.

C. Execution

Installation

The door shall be erected in compliance with detailed instructions of the manufacturer.

Adjustment and Demonstration

After installation, moving parts shall be properly adjusted to give free, effortless operation.

XI. GYPSUM DRYWALL

A. General

Summary

1. Extent of each type of gypsum drywall construction required is indicated on Drawings.
2. This Section includes the following types of gypsum board construction:
 - a. Gypsum board screw-attached to framing and furring members.

Quality Assurance

Single-Source Responsibility: Obtain each type of gypsum board and related joint treatment materials from a single manufacturer.

Delivery, Storage, and Handling

1. Deliver materials in original packages, containers or bundles bearing brand name and identification of manufacturer or supplier.
2. Store materials inside under cover and keep them dry and protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic and other causes. Neatly stack gypsum boards flat to prevent sagging. Materials should not be stored inside the homeowner's house.
3. Handle gypsum boards to prevent damage to edges, ends, and surface. Do not bend or otherwise damage metal corner beads and trim.

Project Conditions

1. Environmental Conditions, General: Establish and maintain environmental conditions for application and finishing gypsum board to comply with ASTM C 840 and with gypsum board manufacturer's recommendations. Min. room temp. to be not less than 40 degrees F (4 degrees C).
2. Ventilate building spaces to remove water not required for drying joint treatment materials. Avoid drafts during dry, hot weather to prevent materials from drying too rapidly.

B. Products

Manufacturer

Manufacturer: Subject to compliance with requirements provide products of one of the following or Authority approved equal:

- a. Gypsum boards and related products:
 - i. Georgia-Pacific Corp.
 - ii. Gold Bond Building Products Div., National Gypsum Co.
 - iii. United States Gypsum Co.

Gypsum Board

- 1. General: Provide gypsum board of types indicated in maximum lengths available to minimize end-to-end joints.
- 2. Gypsum Wallboard: ASTM C 36 and as follows:
 - a. Type: Regular 1/2" tapered edge for all locations, unless otherwise indicated on drawings.

Trim Accessories

Corner Bead and Edge Trim for Interior Installation: Provide corner beads, edge trim and control joints which comply with ASTM C 1047 and requirements indicated below:

- a. Material: Formed metal composed of sheet steel zinc-coated by hot-dip process.

Gypsum Board Joint Treatment Materials

- 1. General: Provide materials complying with ASTM C 475, ASTM C 840, and recommendations of manufacturer of both gypsum board and joint treatment materials for the application indicated.
- 2. Joint-Tape: Paper or open-weave glass fiber reinforcing tape.
- 3. Drying-Type Joint Compounds: Factory- prepackaged, vinyl-based products complying with the following requirements for formulation and intended use.
 - a. Ready-Mix Formulation: Factory-premixed product.

- b. All-purpose compound formulated for use as both taping and topping compound.

Miscellaneous Materials

1. General: Provide auxiliary materials for gypsum drywall construction which comply with referenced standards and the recommendations of the manufacturer of the gypsum board.
2. Gypsum Board Screws: ASTM C 1002.
3. Framing: Provide wood framing as required to support gypsum board.
4. Concealed Acoustical Sealant: Non-drying, non-hardening, non-skinning, non-staining, non-bleeding, gunnable sealant for concealed applications per ASTM C 919.
5. Exposed Acoustical Sealant: Non-oxidizing, skinnable, paintable, gunnable sealant for exposed applications per ASTM C 919.
6. Sound Attenuation Blankets: Acoustical insulation batts shall be equal to "Sound Attenuation Batts (for walls) and "Sono Batts" (for ceilings) as manufactured by Owens-Corning Fiberglass Corp. Blankets shall be 3-1/2 inches thick and width of blanket shall match spacing of studs.

C. Execution

Examination

Examine substrates to which drywall construction attaches for compliance with requirements for installation tolerances and other condition affecting performance of drywall construction. Do not proceed with installation until unsatisfactory conditions have been corrected.

Application and Finishing of Gypsum Board, General

1. Gypsum Board Applications and Finishing Standard: Install and finish gypsum board to comply with ASTM C 840.
2. Install sound attenuation blankets to completely fill all wall cavities.
3. Locate exposed end-butt joints as far from center of walls and ceilings as possible, and stagger not less than 24 inches in alternate courses of board.

4. Install exposed gypsum board with face side out. Do not install imperfect, damaged or damp boards. Butt boards together for a light contact at edges and ends with not more than 1/16 inch open space between boards. Do not force into place.
5. Locate either edge or end joints over supports. Position boards so that like edges abut, tapered edges against tapered edges and mill-cut or field-cut ends against mill-cut or field-cut ends. Do not place tapered edges against cut edges or ends. Stagger vertical joints over different studs on opposite sides of partitions.
6. Attach gypsum board to supplementary framing and blocking provided for additional support at opening and cutouts.
7. Seal construction at perimeters, control and expansion joints, openings and penetrations with a continuous bead of acoustical sealant including a bead at both faces of partitions. Comply with ASTM C 919 and manufacturer's recommendations for location of edge trim and close off sound-flanking paths around or through construction, including sealing of partitions above acoustical panel and gypsum drywall ceilings.
8. Space fasteners in gypsum boards in accordance with referenced gypsum board application and finishing standard and manufacturer's recommendations.

Installation of Drywall Trim Accessories

1. General: Where feasible, use the same fasteners to anchor trim accessory flanges as required to fasten gypsum board to the supports. Otherwise, fasten flanges to comply with manufacturer's recommendations.
2. Install corner beads at external corners.
3. Install metal edge trim whenever edge of gypsum board would otherwise be exposed or semi-exposed, and except where plastic trim is indicated. Provide type with face flange to receive joint compound except where "U-bead" (semi-finishing type) is indicated.
 - a. Install U-type trim where edge is exposed, revealed, gasketed, or sealant-filled (including expansion joints).

Finishing of Drywall

1. General: Apply joint treatment at gypsum board joints (both directions), flanges of corner bead, edge trim, and control joints; penetrations; fastener heads, surface defects and elsewhere as required to prepare work for decoration.
2. Pre-fill open joints and rounded or beveled edges, if any, using setting-type joint compound.
3. Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
4. Finish interior gypsum wallboard by applying ready-mix, drying-type, all-purpose compounds in 3 coats (not including pre-fill of openings in base), and sand between coats and after last coat.

Protection

Provide final protection and maintain conditions, in a manner suitable to installer, which ensures gypsum drywall construction being without damage or deterioration at time of Substantial Completion.

XII. PAINTING, STAINING, AND VARNISHING

A. General

Summary

Provide all labor, materials, equipment and services and perform all operations necessary for complete painting and finishing interior and exterior surfaces exposed to view as denoted on drawings and/or finish schedule. Surfaces to be painted shall be limited to:

- a. Surfaces around the immediate area of doors and windows as specified in Sections VIII, IX, and X.
- b. Damaged wood surfaces around immediate area of soffit/gable insulation installation.

Acceptable Products

1. Glidden.
2. Pittsburgh.
3. Pratt and Lambert.
4. Sherwin Williams.
5. Authority approved manufacturers not named.

Quality Assurance

1. Materials shall be of the best quality and suitable for surfaces receiving work.
2. Workmanship: Work shall conform to standards generally accepted by industry, and shall be of a high quality free of uneven color, appearance, coverage, and/or cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness or other surface imperfections.
3. Guarantee/Warranty:
 - a. Provide product warranty information to Airport.
 - b. Contractor shall provide written guarantee, covering labor cost, against peeling and/or chipping for a period of two (2) years or equal to the length of product warranty whichever less.

B. Products

Product Compatibility

1. Undercoat (primer) and finish coat (paint) shall be of material by the same manufacturer.
2. Color and texture of finish coat (paint) shall match existing finish.

C. Execution

1. Starting of work in this section shall be construed as the acceptance by this section of surface conditions within any particular area as suitable for work. Prior to start of work, examine all surfaces to be painted to ensure the absence of visible defects, damages, markings and/or other conditions otherwise detrimental to the formation of a durable paint film. Report all unacceptable conditions to the General Contractor for correction by others.
2. Protection of adjacent areas: Prior to surface preparations and painting operations, completely mask, remove, or otherwise adequately protect all hardware, accessories, glass, lighting fixtures and similar items in contact with painting operations but not scheduled to receive paint.
3. Do not conduct painting operations at air temperatures below 50 degrees Fahrenheit or manufacturer's recommendations whichever is higher. Prepare job site to allow adequate ventilation during operation but otherwise do not allow interior of premises to be affected by inclement weather.

Preparation

1. Prepare surfaces by cleaning, sanding, dusting and/or other acceptable methods in accordance with manufacturer's recommendations to achieve suitable condition for painting.
2. Material Preparations:
 - a. Mixing shall be conducted in accordance with manufacturer's instructions.
 - b. Material not in actual use shall be stored in tightly-covered containers. Materials should not be stored inside homeowner's house.

- c. Material shall be kept free of foreign substances.
 - d. Stir material before and periodically during application to produce a mixture of uniform density and flow. Remove surface films, if any, by lifting or straining.
- 3. Application:
 - a. Apply each material in accordance with manufacturer's instructions. Use application tools and techniques best suited for each type of material being applied and surfaces receiving material, but otherwise do not use sprayers of any kind.
- 4. Protection of Completed Work: Provide "Wet Paint" signs as required to protect newly-painted surfaces.
- 5. Material Disposal and Tool Cleaning: Disposal of paint materials and/or containers as well as cleaning of tools on job site are strictly prohibited.
- 6. Clean-Up: Upon completion and complete and thorough drying of final paint application:
 - a. Remove all masking and other protective covers installed by this section, clean adjacent areas to remove splattering if any.
 - b. Re-install all hardware, fixtures and other items previously removed by this section.
 - c. Remove barricades and other protective measures and clean job site in accordance with requirements stated in this document.

D. Paint Schedule

- 1. Interior
 - a. Coat #1: Primer or Basecoat
 - b. Coat #2: Finish Coat
 - c. Coat #3: Finish Coat
- 2. Exterior Stain
 - a. Coat #1: Stain
 - b. Coat #2: Sealer
 - c. Coat #3: Finish urethane
 - d. Coat #4: Finish urethane

3. Exterior Trim

- a. Coat #1: Primer
- b. Coat #2: Finish Coat
- c. Coat #3: Finish Coat

XIII. ROOF

A. Shingle Installation

1. Remove old shingles and roofing felt from roof.
2. Replace any damaged plywood sheathing with same thickness plywood. If part of the plywood sheet is damaged, the entire sheet must be replaced.
3. Cover entire roof with roofing felt. Cover entire roof with 20-year warranty shingle.
4. Old roofing material must be completely removed from the property and properly disposed of.

B. Quality Assurance

Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

XIV. FIBER-CEMENT REPLACEMENT SIDING WITH BACKING LAYER

A. General

Summary

The existing exterior walls in houses receiving this treatment have vinyl siding applied over a vapor barrier and a single layer of OSB on some or all sides of the house, including walls of any dormer windows. Many of the houses have brick or other masonry veneer on some walls. The vinyl siding must be replaced with Fiber-Cement Siding with a Backing Layer in order to achieve the 5-dB Improvement in Outdoor to Indoor Noise Reduction (OINR) required by the FAA. The Backing Layer will be a 1/2" Fiber-Cement Backer Board.

Submittals

1. Shop Drawings: Submit shop drawings for:
 - a. Installation of Brick Molding with 2" wide by 1-1/4" deep, solid PVC section to provide a mounting plane for the Acoustical Storm Windows as shown in Fig. 11; and
 - b. Installation of Fiber-Cement Replacement Siding with Backer Layer of 1/2" Fiber-Cement Backer Board.

B. Products

Summary

Provide Fiber-Cement Replacement Siding and trim products manufactured by James Hardie Technology Limited with ColorPlus finish, installed according to the most current "Best Practices" identified at www.Jameshardie.com for Climate Zone 10 (HardieZone 10), or a substitute product that has been approved by the Authority prior to bidding in accordance with the Instructions to Bidders.

C. Execution

1. The Scope of Work includes:

- a. Removal of existing vinyl siding, aluminum boxing, gutters, downspouts, soffits, shutters, and the decorative door and window headers, if any, at the front of the house.
 - b. Installing a layer of 1/2" fiber-cement board on the exterior of the house. This layer shall extend toward the underside of the roof sheathing and allow proper ventilation.
 - c. Installing a new air barrier house wrap in accordance with Section VI. extending to the roof sheathing and sealed there.
 - d. Installing a new 2" wide by 1- 1/4" deep solid PVC brick molding to form a mounting plane for the Acoustical Storm Windows and for the Acoustical Storm Doors around the existing windows and doors.
 - e. Installing new fiber-cement clapboards, trim and boxing (HardieBoard or Authority-approved equal) on the exterior of the house. Clapboard shall be pre-finished with the stock color that has been selected by the homeowner and specified in the Site-Specific Specifications for the house. The siding shall have the same pattern of installation as the existing vinyl clapboards. Installation shall be consistent with the approved shop drawings and the Best Practices of the manufacturer. The additional layer of siding shall extend to the underside of the roof sheathing.
 - f. Install the Acoustical Storm Windows and Doors in accordance with Section IX.
 - g. Reinstall gutters, soffits, downspouts, shutters, and decorative window and door headers at the conclusion of the previous tasks.
2. If the Contractor identifies apparent inconsistencies between the approved shop drawings, the Best Practices of the manufacturer(s) or other terms of these Specifications and the Contract, the Authority's Noise Officer will determine how the installation will proceed.

XV. SOUND SEALS ON PRIMARY DOORS AND CRAWL SPACE DOORS

A. General

Summary

When Site Specific Specifications include installation of Sound Strip, inspect fit of outside entry doors to the living space and crawl space doors to see if weather and sound seals are present and sealing properly. Seals should be present at the top, bottom and sides of the door. For the primary doors to the living space, these seals will often be visible from the outside when the door is closed. For a crawl space door that opens to the outside, the seals will more likely be visible on the inside. Some types of seal at the sides and top and often the bottom seals will not be visible when the door is closed. The bottom seal will typically be different from those on the sides and top.

A proper seal leaves no gap between the seal and the door and is attached to the frame so there is no gap between the seal and frame. The seals on the sides and top may be attached with nails, screws or adhesive, or may fit into a groove on the frame called a “kerf” as illustrated below. Most newer door frames will have such a kerf seal. At the bottom, there should either be a bulb built into the threshold, or a raised threshold with a bulb or sweep on the bottom of the door. For most seal systems, a good test is to insert a business card between the seal and door. The card should go in with some resistance but not be difficult to insert. Once in place at the top or sides, it should remain in place when released and not fall. At the bottom the card should have similar resistance to being inserted and removed.

The proper treatment for door seals depends on the condition of the doors and frames and type of existing seal. Several possible conditions are identified below along with proper treatments.

Entry Doors

Door Sides and Top

Many newer doors will have a vinyl covered foam seal with an anchoring flange inserted in a slot in the door frame as shown in Fig. A. These seals would be around the sides and top. This seal can work well as long as the frame or door is not badly warped or bowed. The gap between door and

frame should be around 1/8 inch as shown. If the gap approaches 1/4 inch the seal will not work well. Thus, the frames must be examined for fit of the door and for warping of the frame or door which could leave gaps between the seal and door. If such situations are found they must either be repaired or a different type seal used. If the door and frame are in good shape but the seals damaged, the seals should be replaced and tested with a business card. Seals of this type are available at Lowes and Home Depot.

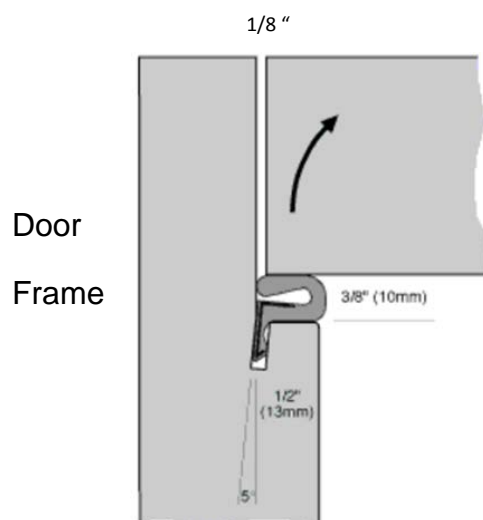


Fig. A

There may be seals as shown in Fig. A mounted with adhesive. Most such seals are of poor durability or have a poor adhesive. These must be examined carefully. If they are a foam type, the business card test can be used. Examine the gap between the door and frame on all sides to verify it is not so large that the seal cannot work.

If it cannot be verified that there is a good seal, and the door surface is not bowed or warped, use a seal mounted inside the frame further from the edge of the door. This could be a seal similar that used in the kerf in the frame but mounted in a kerf in an additional wood or aluminum mounting piece as illustrated in Figs. B and C. Seals with a wooden frame as illustrated in Fig B are available from MD Products (stocked at Lowes) and Frost King (stocked at

Home Depot). The thinner metal frame in Fig. C is available from MD Products.

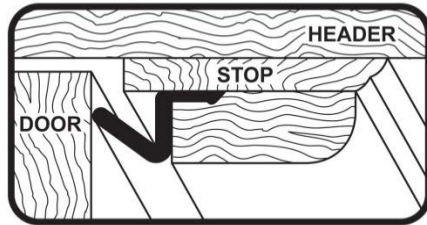


Fig. B

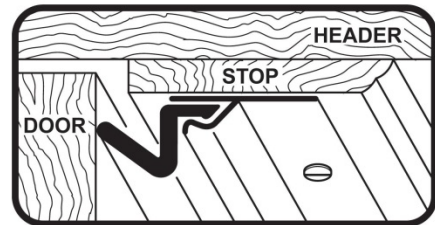


Fig. C

If the door is bowed or warped such that a good seal cannot be obtained with a seal in a rigid mounting, it is necessary to either replace the door or use an adjustable seal. The Zero International Model 870, illustrated in Fig. D, provides up to $\frac{1}{4}$ inch adjustment to compensate for door surfaces not being flat.

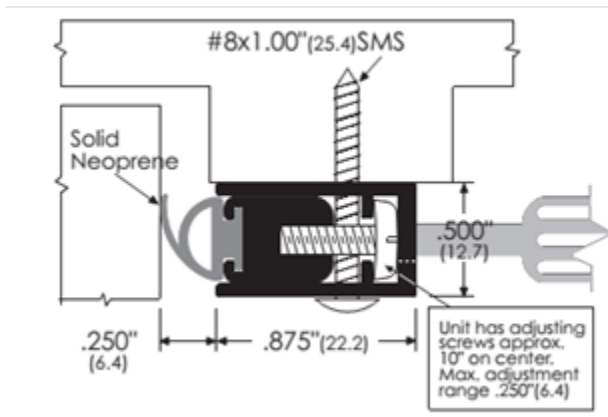


Fig. D

Submittals

1. Product Data: Submit product data for each seal selected.
2. Samples: Submit samples, 1'0" long if requested.

APPENDIX 1

DRAWINGS

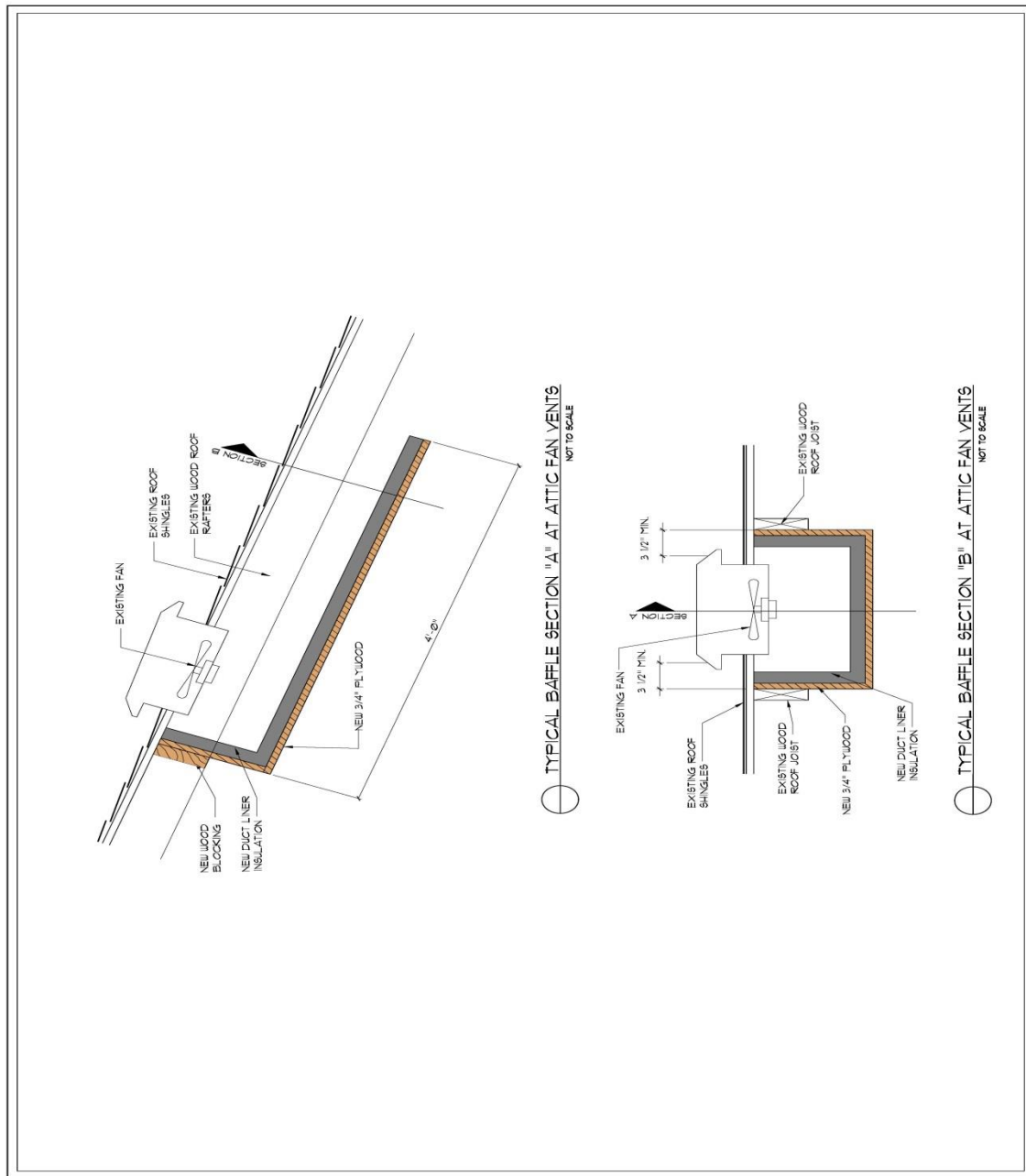


Fig. 1 - Typical Baffle Detail at Attic Fan Vents

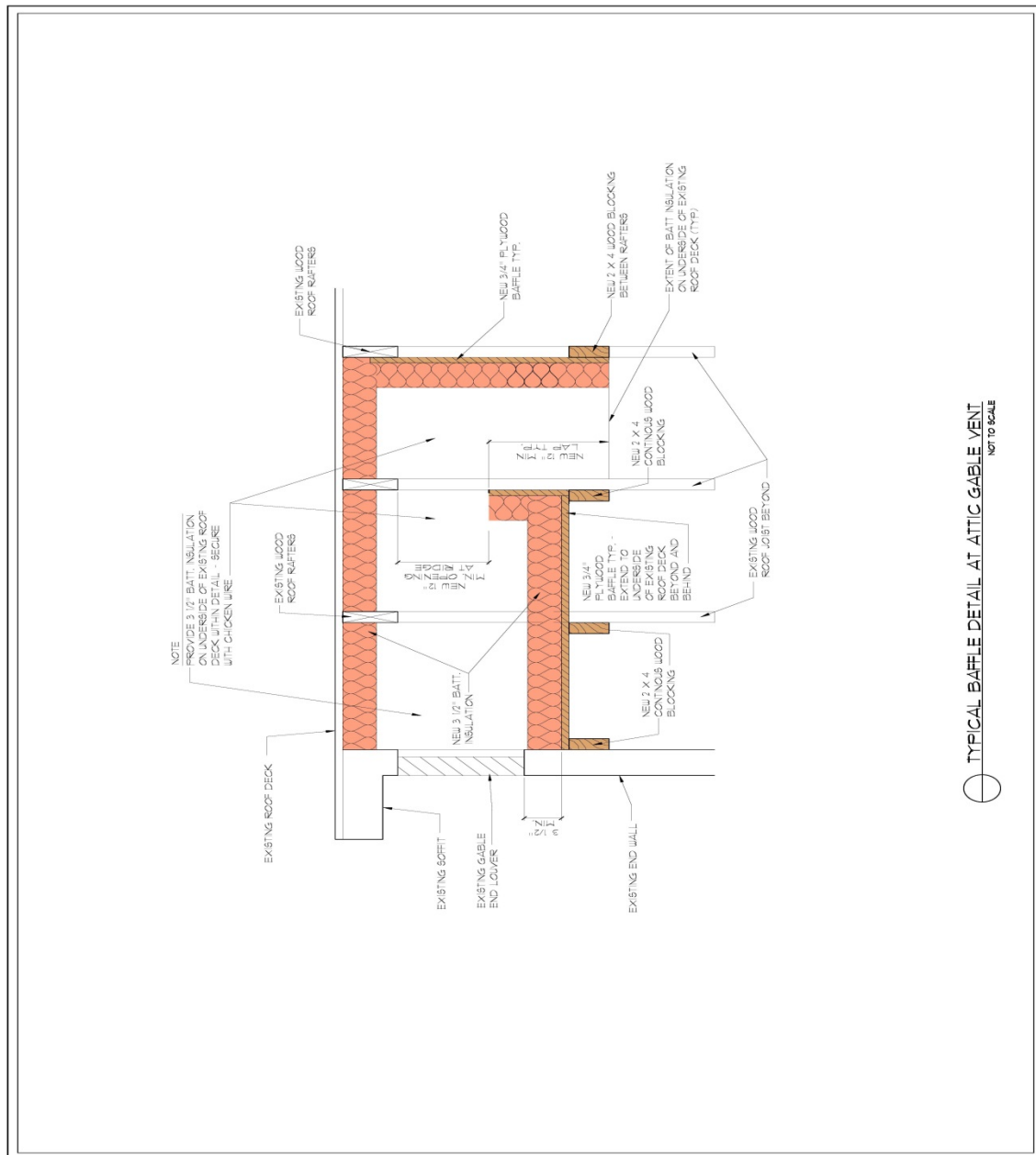


Fig. 2 - Typical Baffle Detail at Attic Gable Vent

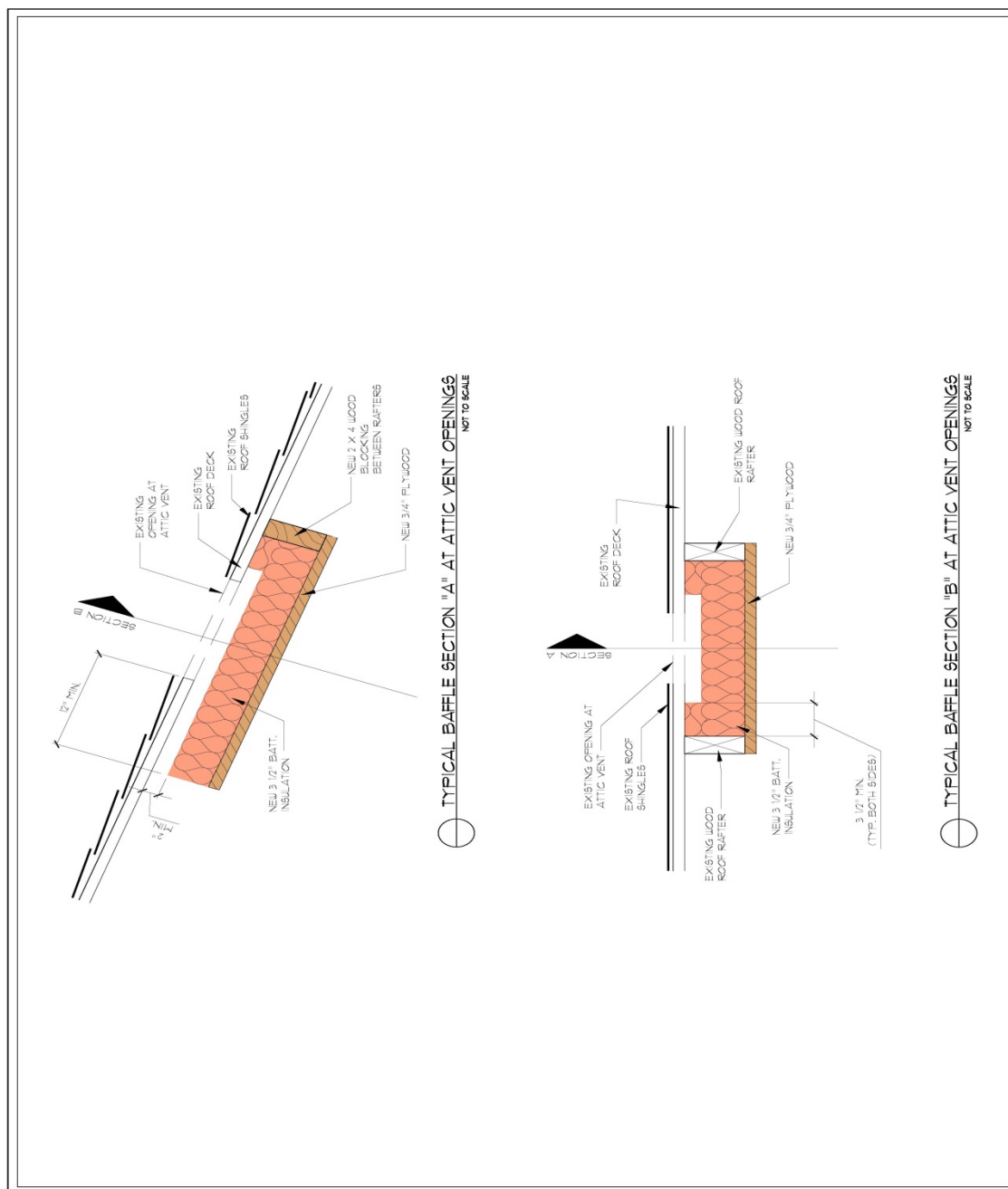


Fig. 3 - Typical Baffle Detail at Attic Vent Openings



Fig. 4 - Typical Sound Baffle at Ridge Vent

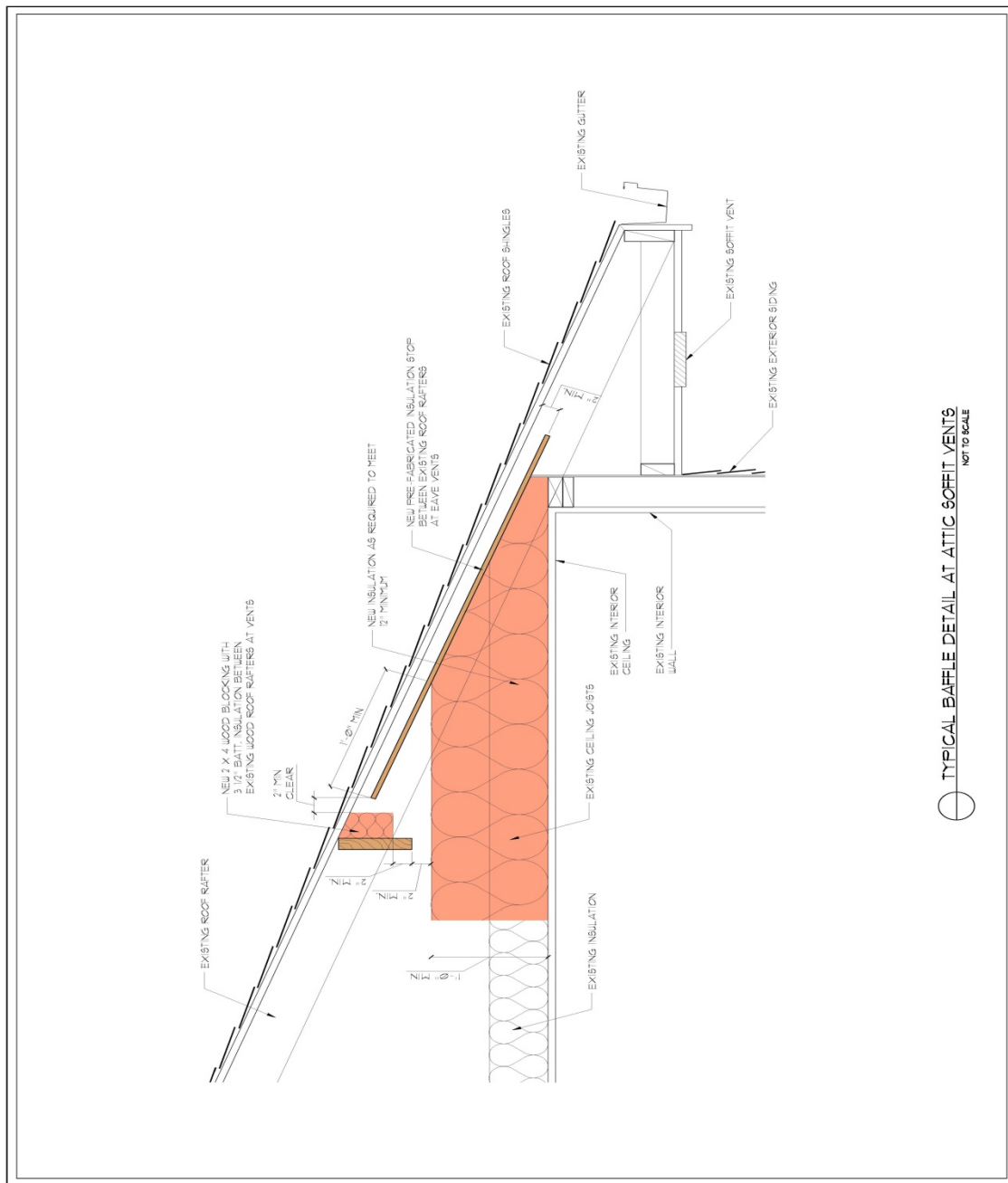


Fig. 5 - Typical Baffle Detail at Attic Soffit Vents

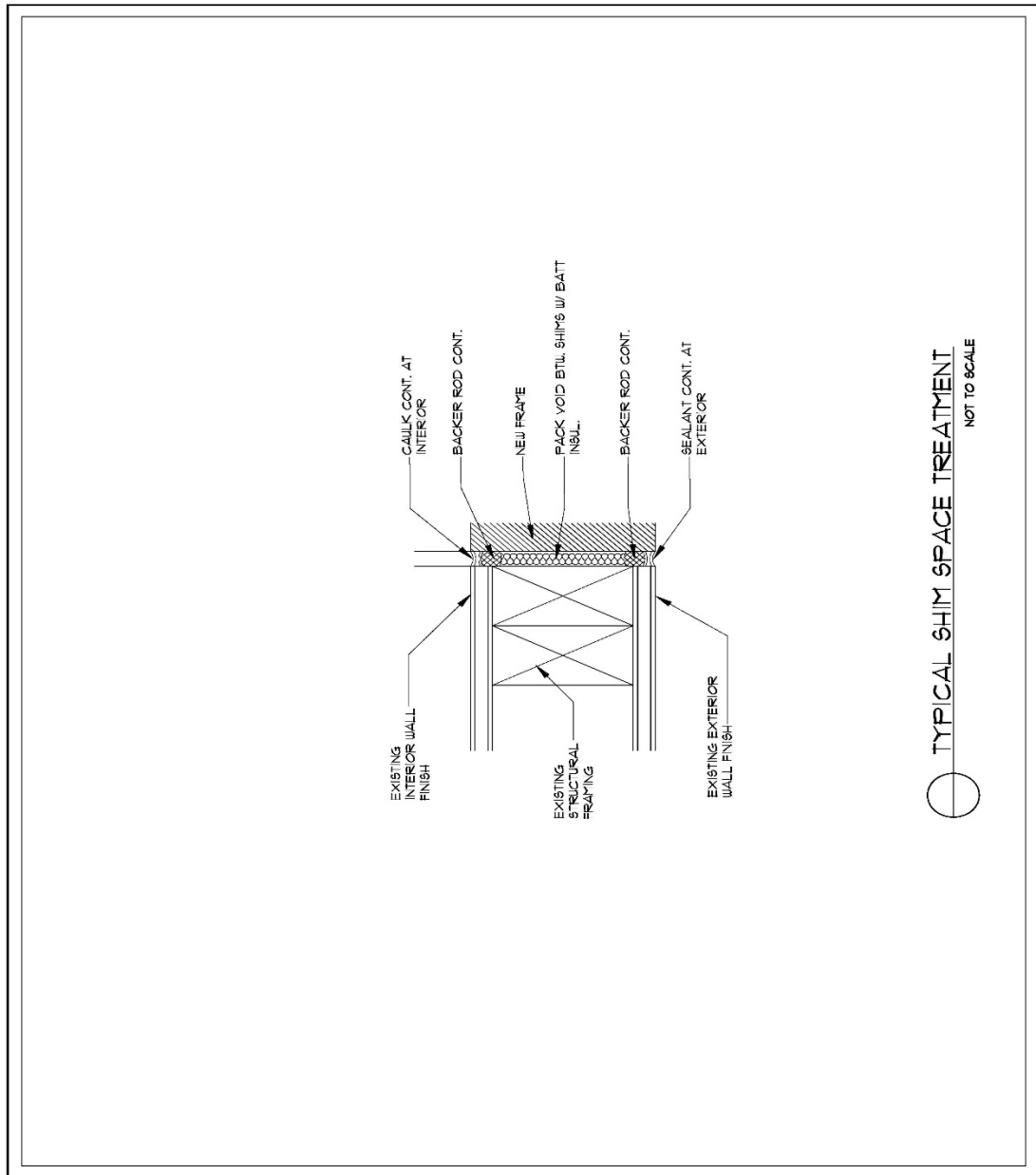


Fig. 6 - Typical Shim Space Treatment

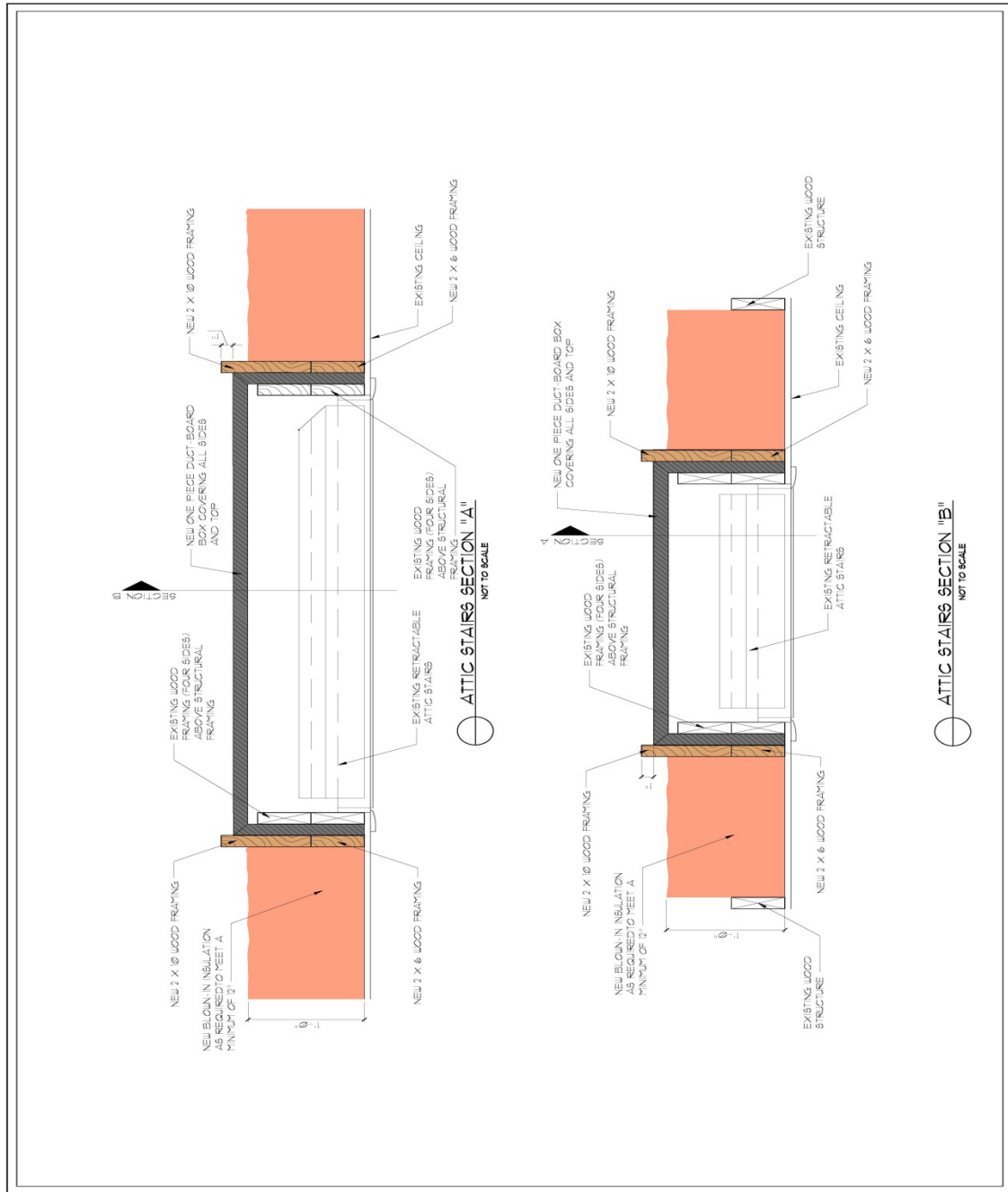


Fig. 7 - Attic Stairs Detail

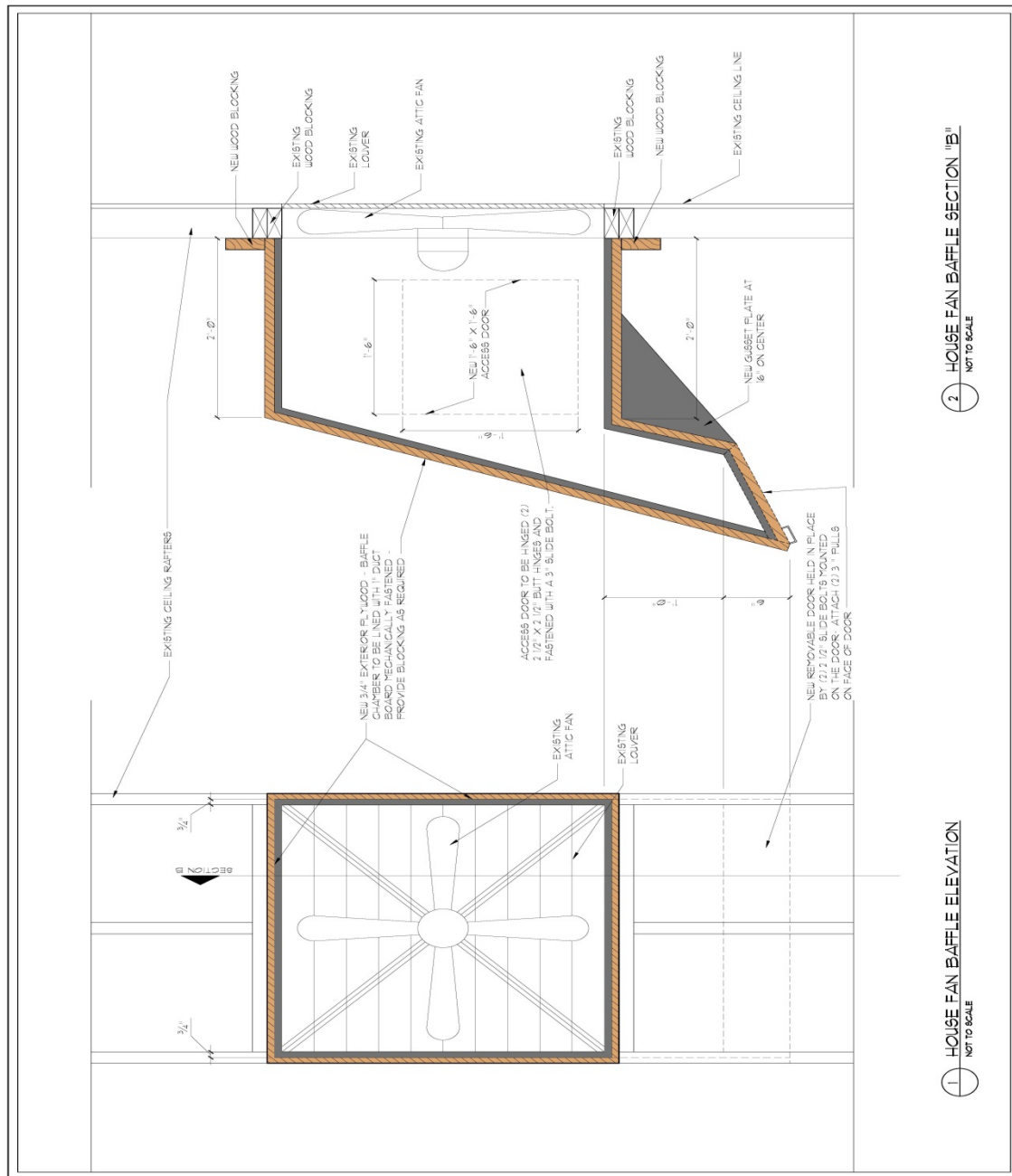


Fig. 8 - House Fan Baffle Detail

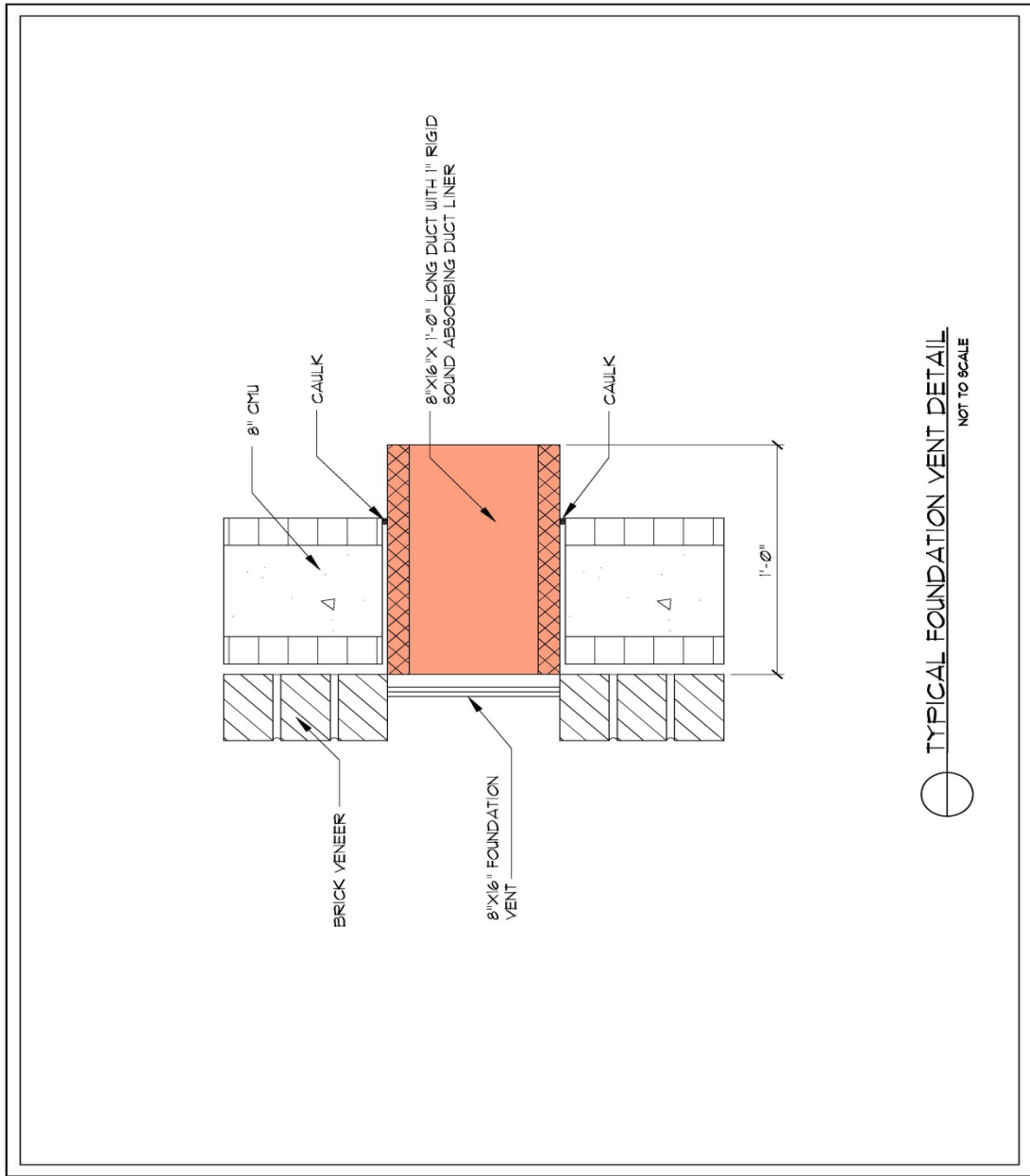
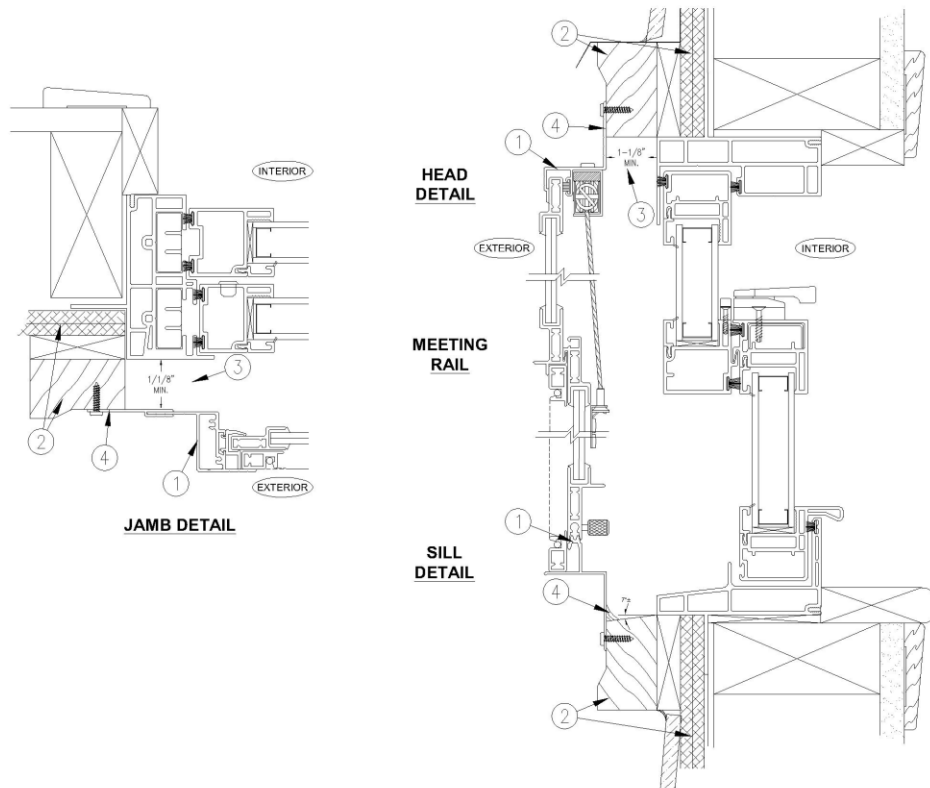


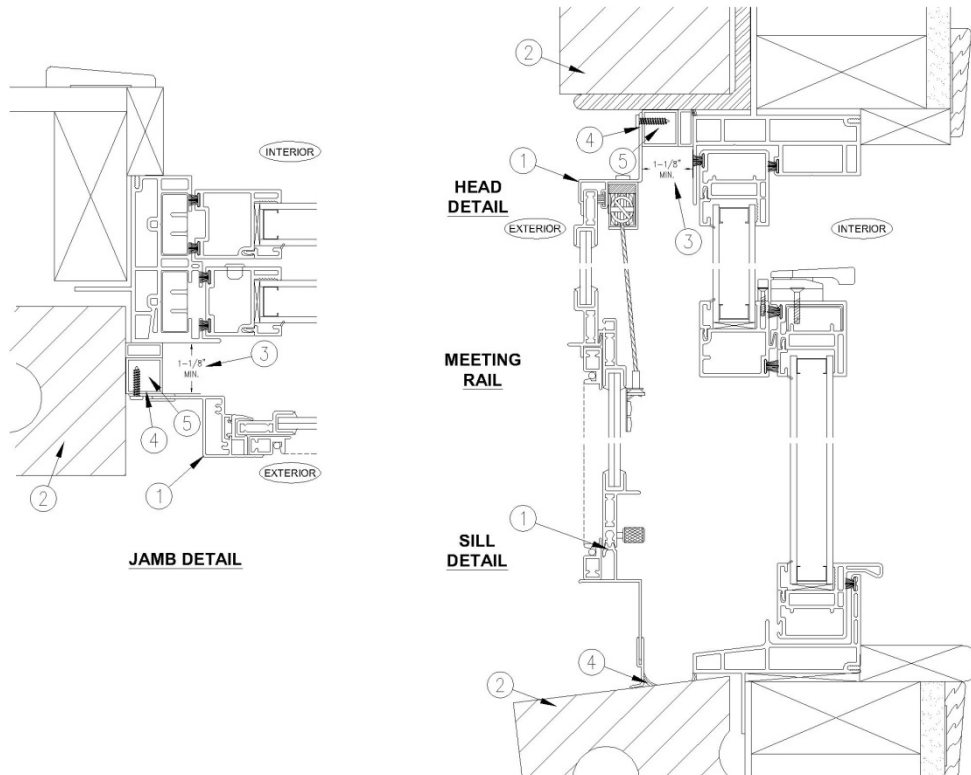
Fig. 9 - Foundation Space Vent Detail

PIEDMONT TRIAD AIRPORT AUTHORITY



- (1) New Mon-Ray Model 604-DH Secondary Window (see PTI Specification Section IX).
- (2) New Exterior Wall Backing and Exterior Window Casing to be furnished and installed by Installation Contractor (see PTI Specification Section VI).
- (3) The distance between the New Mon-Ray Storm Window and the Existing Prime Window shall be a minimum air space of least 1-1/8".
- (4) Approved sealant shall be furnished and applied by Installation Contractor.

Fig. 10 - PTI Type #1W Window Install - On a House with New Exterior Fiber-Cement Siding with Backing and Typical Vinyl Prime Windows, the New Mon-Ray Acoustical Storm Windows are installed on the Surface of the Exterior Window Casing.

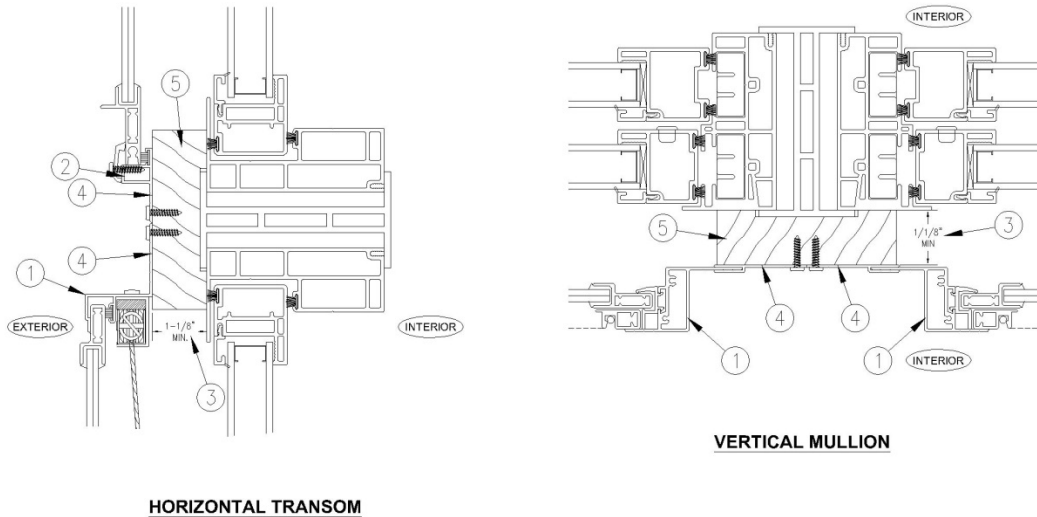


- (1) New Mon-Ray Model 604-DH Secondary Window (see PTI Specification Section IX).
- (2) Existing Exterior Brick Veneer.
- (3) The distance between the New Mon-Ray Storm Window and the Existing Prime Window shall be a minimum air space of least 1-1/8\".
- (4) Approved sealant shall be furnished and applied by Installation Contractor.
- (5) Aluminum Tubing furnished by Window Manufacturer for installation by Installation Contractor.

Fig. 11 - PTI Type #2W Window Install - On a House with Existing Exterior Brick Veneer and Typical Vinyl Prime Windows, the New Mon-Ray Acoustical Storm Windows (see PTI are installed on aluminum tubing furnished with the New Acoustical Storm Windows.

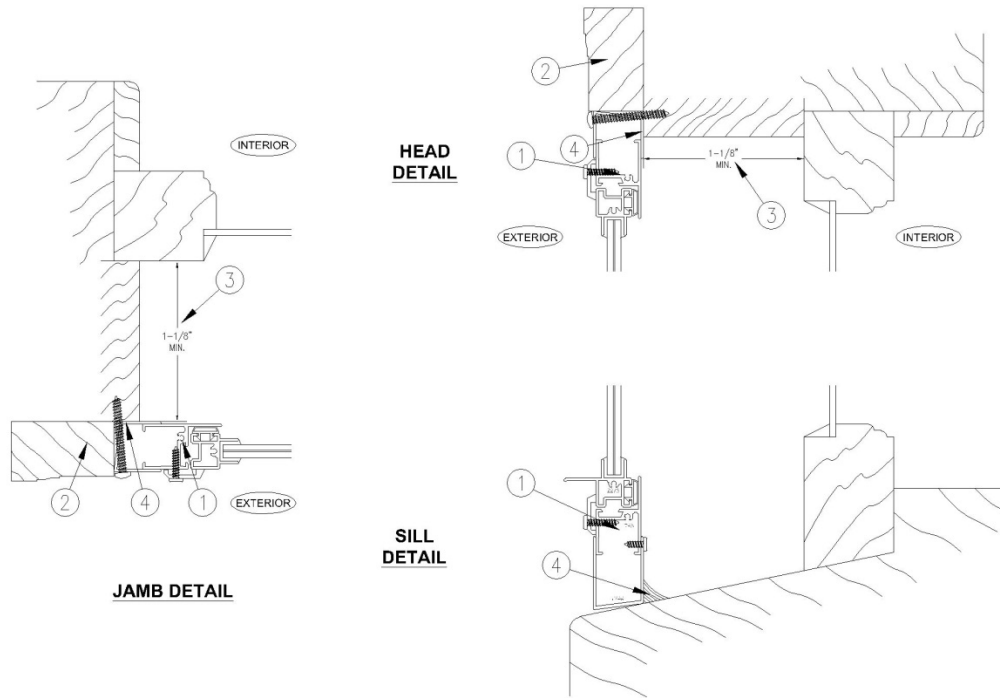


PIEDMONT TRIAD AIRPORT AUTHORITY



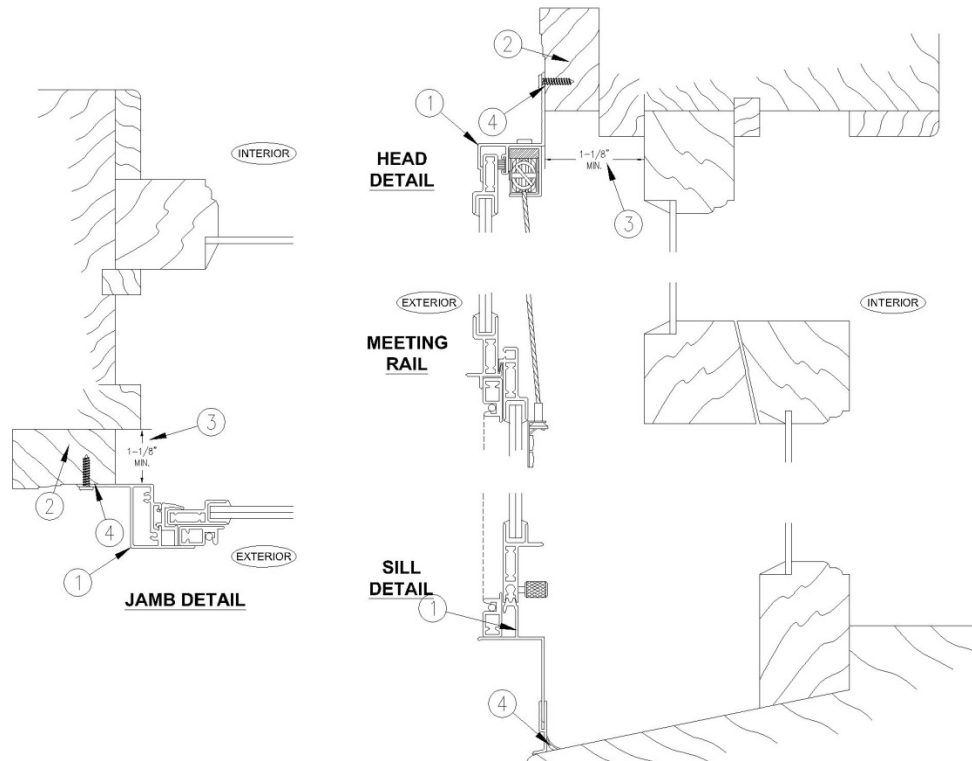
- (1) New Mon-Ray Model 604-DH Secondary Window (see PTI Specification Section IX).
- (2) New Mon-Ray Model 603-PL Secondary Window (see PTI Specification Section IX).
- (3) The distance between the New Mon-Ray Storm Window and the Existing Prime Window shall be a minimum air space of least 1-1/8".
- (4) Approved sealant shall be furnished and applied by Installation Contractor.
- (5) New Wood Blocking furnished and installed by Installation Contractor on the Exterior of the Horizontal Transom and/or the Exterior of the Vertical Mullion connecting the Vinyl Windows.

Fig. 12 - PTI Type #1aW or #2aW Window Install - On a House with either Exterior Siding or Brick Veneer and Typical Vinyl Prime Windows, the New Mon-Ray Acoustical Storm Window are installed on the Exterior Surface of the Wood Blocking furnished and installed by the Contractor on the Exterior of the Horizontal Transoms and/or the Vertical Mullions connecting the Vinyl Windows.



- (1) New Mon-Ray Model 503-PL Secondary Window (see PTI Specification Section IX).
- (2) Typical Exterior Window Casing with Blindstop for mounting exterior storm window.
- (3) The distance between the New Mon-Ray Storm Window and the Existing Prime Window shall be a minimum air space of least 1-1/8".
- (4) Approved sealant shall be furnished and applied by Installation Contractor.

Fig. 13 - PTI Type #3W Window Install - On a House with Wood Prime Windows and Typical Wood Casing around the Opening's Exterior Perimeter, the New Mon-Ray Acoustical Storm Windows are installed on the Blindstop of the Exterior Wood Casing.

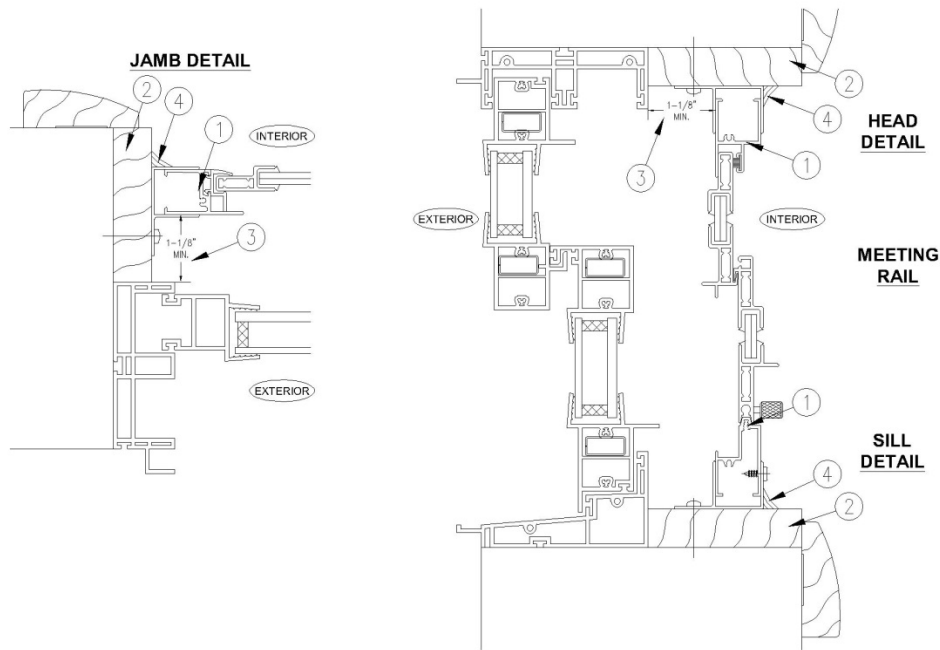


- (1) New Mon-Ray Model 503-PL Secondary Window (see PTI Specification Section IX).
- (2) Typical Exterior Window Casing with Blindstop for mounting exterior storm window.
- (3) The distance between the New Mon-Ray Storm Window and the Existing Prime Window shall be a minimum air space of least 1-1/8".
- (4) Approved sealant shall be furnished and applied by Installation Contractor.

Fig. 14 - PTI Type #4W Window Install - On a House with Wood Prime Windows and Typical Wood Casing around the Opening's Exterior Perimeter, the New Mon-Ray Acoustical Storm Windows are installed on the Exterior Surface of the Exterior Wood Casing.

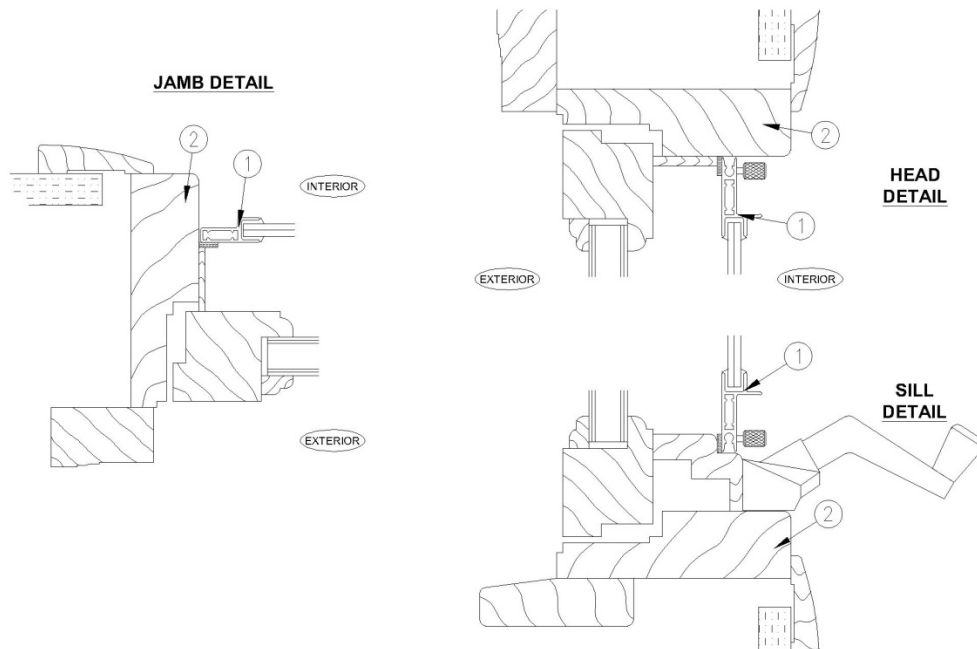


PIEDMONT TRIAD AIRPORT AUTHORITY



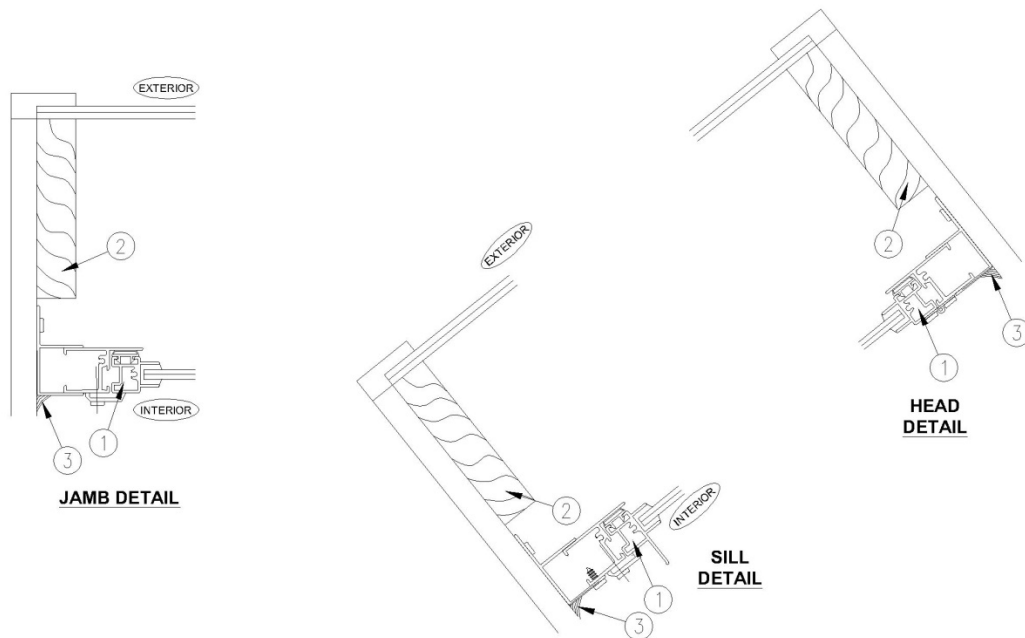
- (1) New Mon-Ray Model 504-DH Secondary Window (see PTI Specification Section IX).
- (2) Typical Interior Window Casing for mounting the New Interior Secondary Window.
- (3) The distance between the New Mon-Ray Interior Secondary Window and the Existing Prime Window shall be a minimum air space of least 1-1/8".
- (4) Approved sealant shall be furnished and applied by Installation Contractor.

Fig. 15 - PTI Type #5W Window Install - On a House with an Exterior Construction Material or Design not recommended for installing an exterior mounted storm windows, the New Mon-Ray Acoustical Storm Windows are installed to the Interior of the Vinyl, Wood or Aluminum Prime Windows on the Surface of the Interior Casing.



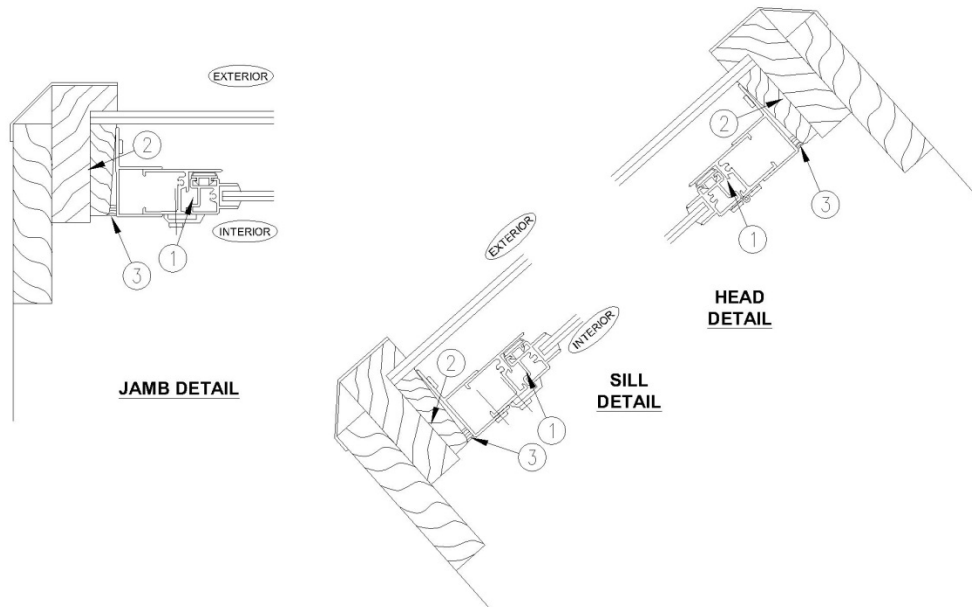
- (1) New Mon-Ray Model P150 Interior Secondary Window Panel with corner Pin-Locks for mounting (see PTI Specification Section IX).
- (2) Typical Interior Frame of Outward Operating Casement Window for mounting the New Interior Secondary Window Panel.

Fig. 16 - PTI Type #6W Window Install - On a House with Typical Outward Operating Casement Window, the New Mon-Ray Acoustical Storm Windows are mounted to the Interior of the Prime Casement Windows.



- (1) New Mon-Ray Model 503-SKY Secondary Window (see PTI Specification Section IX).
- (2) Typical Interior Window Casing for mounting the New Interior Secondary Window.
- (3) Approved sealant shall be furnished and applied by Installation Contractor.

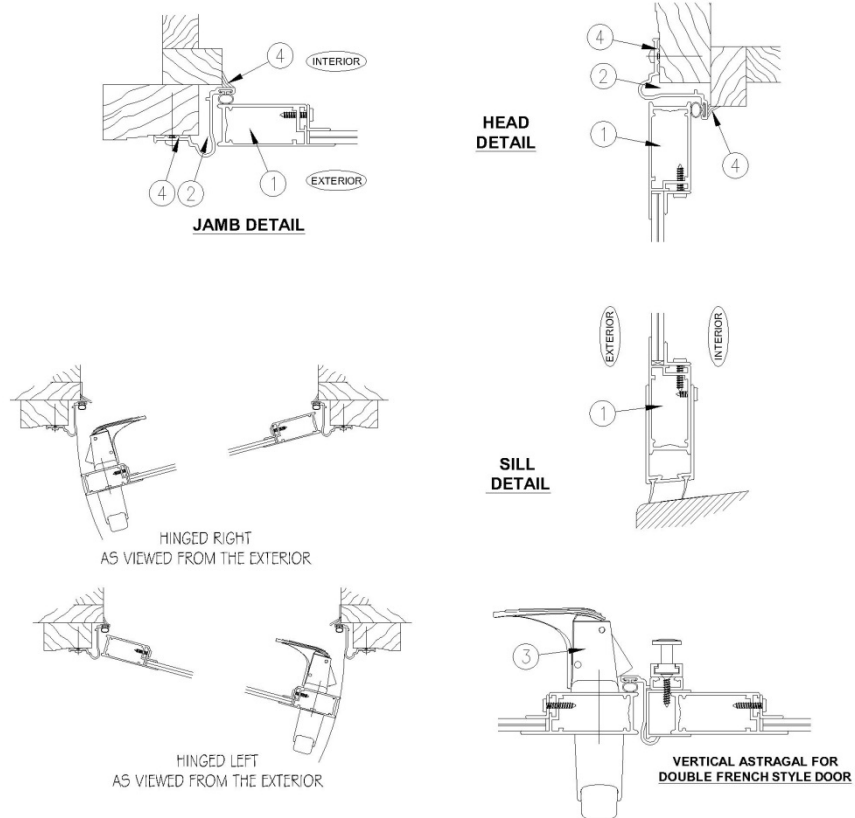
Fig. 17 - PTI Type #7W Window Install - On a House with Existing Fixed (Non-Operating) Sky-Lite Windows, the New Mon-Ray Acoustical Storm Windows are installed by the Window Installation Contractor to the Interior of the Existing Sky-Lite Windows on the Surface of the Window Interior Casing.



- (1) New Mon-Ray Model 503-SKY Secondary Window (see PTI Specification Section IX).
- (2) Typical Interior Frame of an Outward Operating Sky-Lite Window for mounting the New Interior Secondary Window.
- (3) Approved sealant shall be furnished and applied by Installation Contractor.

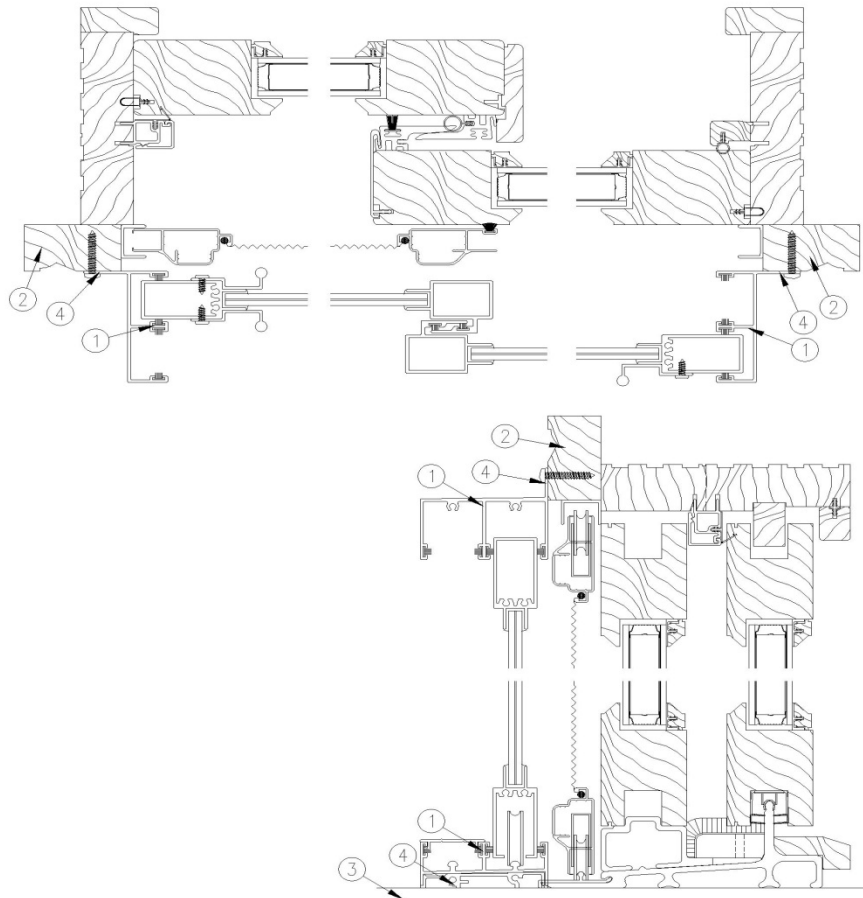
Fig. 18 - PTI Type #8W Window Install - On a House with Existing Outward Operating Sky-Lite Windows, the New Mon-Ray Acoustical Storm Windows are installed by the Window Installation Contractor onto the Interior Frame of the Existing Sky-Lite Windows.

PIEDMONT TRIAD AIRPORT AUTHORITY



- (1) New Mon-Ray Model 802-L hinged accoustical Storm Door.
- (2) Extruder aluminum Z-bar Factory prehung with stainless steel hinges.
- (3) Exterior Push Bottom Handle and Interior Latch Handle with Lock.
- (4) Approved sealant shall be furnished and applied by Installation Contractor.

Fig. 19 - PTI Type #1D Hinged Storm Door Install - The New Mon-Ray Model 802-L 1-Lite All-View Hinged Acoustical Storm Door is installed by the Installation Contractor to the exterior of the In-Swinging Prime Door on the Surface of the Exterior Door Casing.



- (1) New Mon-Ray Model 805-PSD Acoustical Sliding Patio Storm Door (see PTI Specification Section IX).
- (2) Typical Brickmold for mounting the New Sliding Patio Storm Door.
- (3) Solid Blocking as required for proper sill support.
- (4) Approved sealant shall be furnished and applied by Installation Contractor.

Fig. 20 - PTI Type #2D Sliding Patio Storm Door Install - The New Mon-Ray Model 805-PSD Horizontal Sliding Patio Storm Door is installed by the Installation Contractor to the exterior of the Sliding Prime Patio Door on the Surface of the Exterior Door Casing.

PIEDMONT TRIAD AIRPORT
RESIDENTIAL SOUND INSULATION PROGRAM
HOMEOWNER WARRANTY FORM

PROPERTY ADDRESS: _____

Homeowners: _____

The undersigned Contractor, having completed the improvements to be made to the property (the "Property") located at the above address under a Contract (the "Contract") entered into with the Piedmont Triad Airport Authority (the "Authority") under the Authority's Residential Sound Insulation Program, hereby warrants to the Homeowners named above that the materials and equipment furnished under the Contract at said Property are of good quality and new, that the work performed at the Property under said Contract is free from defects and that the work conforms with the Contract Documents applicable to said Contract. This warranty excludes any remedy for damage or defect resulting from abuse by persons other than the undersigned Contractor or any of its Subcontractors, modifications not made by the undersigned Contractor, improper or insufficient maintenance, improper operation or normal wear and tear under normal usage.

The Warranty Period for this Warranty shall be twelve months from the Date of Substantial Completion set forth below. Any defects appearing within this period, and any damage to other work resulting therefrom, shall be made good by the Contractor without cost to the Homeowners or the Authority.

Date of Substantial Completion: _____

This the _____ day of _____, 20____.

[Name of Contractor]

By: _____
[Authorized Signature]

Title: _____

**CONTRACTOR'S AFFIDAVIT
AND
FINAL WAIVER OF LIEN**

The undersigned Contractor, having been employed under a contract (the "Contract") with the Piedmont Triad Airport Authority (the "Authority") to furnish labor and materials for improvements to the property (the "Property") at:

under the Authority's Residential Sound Insulation Program, in consideration for the undersigned's receipt of final payment from the Authority for the Work performed on the Property under the Contract, hereby represents and agrees as follows:

AFFIDAVIT

The undersigned, through its principal named below, represents and acknowledges that:

1. The undersigned has been paid in full all sums owed by the Authority to the undersigned for the work performed on the Property under the Contract;
2. There are no outstanding liens by anyone claiming by or through the undersigned for labor, services or materials for improvements made to the Property pursuant to the Contract;
3. The undersigned has not assigned its right to payment under the Contract or the right to perfect a lien upon the Property; and
4. The undersigned has not received any notice of a claim of lien upon any funds owed to the undersigned under the Contract.

WAIVER OF LIEN

In consideration of such final payment, the undersigned does hereby waive and release any lien rights to, or claim of lien,

that the undersigned or any party claiming through it may have upon the Property or the improvements thereon, on account of labor, services, material, fixtures, apparatus or machinery that the undersigned has heretofore or may hereafter furnish to or for the Property by virtue of the Contract.

INDEMNIFICATION

The undersigned acknowledges that all statements made herein are material and that the Authority may rely thereon; and the undersigned will indemnify the Authority for any and all loss, including attorneys fee, that may be caused by any misstatement made herein.

This the _____ day of _____, 20____.

CONTRACTOR (Name of sole proprietorship, corporation, limited liability company, or partnership)

(Signature of authorized representative)

Title:_____

Sworn to and subscribed before me by

_____,
[Name of Principal]
this the _____ day of _____,
20____.

Notary Public

My Commission Expires:_____