



Pinellas County Housing Authority
Dean Robinson Administration Building
11479 Ulmerton Road
Largo, FL 33778

INVITATION FOR BID

IFB # 17-002

FOR

RESIDENTIAL HOME REMODEL

APRIL 17, 2017



PROJECT TITLE: Residential Home Remodel
TO: All Qualified Contractors
DATE: April 17, 2017
SUBJECT: Invitation for Bid (IFB) # 17-002

Pinellas County Housing Authority (PCHA) herein solicits bids from qualified, responsible, licensed Contractors interested in providing general contractor services to renovate, and construct an addition to, a PCHA-owned single family residence located at 12065 134th Place North, Largo, FL 33778 in accordance with all applicable state and federal regulations, the requirements of PCHA and the U.S. Department of Housing and Urban Development (HUD).

Each Bidder shall submit one (1) unbound original and one (1) exact copy of its Bid to the Pinellas County Housing Authority. Bids shall be enclosed in a sealed envelope addressed to the attention of: Ray DiRusso, Director of Compliance, 11479 Ulmerton Road, Largo, Florida 33778. **Bids will be accepted until 12:00 p.m. Eastern Standard Time (EST), on Friday, May 5, 2017.**

Bids must be clearly marked – IFB #17-002 – RESIDENTIAL HOME REMODEL.

Any Bids received after the specified time and date will not be accepted. All Bids must be received and time-date stamped by a PCHA employee at the address listed above, on or before the above specified time and date. If you choose to mail in your Bid, it must be mailed return receipt requested and arrive by the specified time, regardless of the postmark date. THERE WILL BE NO EXCEPTIONS.

By submission of a Bid the Bidder agrees, if its Bid is accepted, to enter into a contract with the Housing Authority to complete all work as specified or indicated in the contract documents, for the contract price and within the contract time indicated in the attached IFB #17-002. The Bidders further accept all of the terms and conditions of the IFB.

A Pre-Bid Conference will be held at the home located at 12065 134th Place North, Largo, FL 33778 at 10:00 a.m. EST, on Wednesday, April 26, 2017. Although not mandatory, it is strongly recommended that all interested Bidders attend.

IMPORTANT NOTICE: PCHA reserves the right to request additional information and/or submission of documents concerning any and/or all bids submitted. A request for additional information will be faxed to bidder within 48 hours of the deadline established by PCHA for submission of additional information. Bidders are strongly encouraged to be prepared to respond.

Bids shall be prepared in accordance with instructions contained within the IFB and shall remain valid for 90 days. PCHA reserves the right to reject any or all Bids if such action is in the best interest of the Housing Authority and to waive any and/or all informalities and minor irregularities. PCHA reserves the right to cancel this solicitation for any reason it deems is in the best interest of the agency.

Sincerely,
Debra Johnson
Executive Director

INVITATION FOR BID

IFB #17-002

RESIDENTIAL HOME REMODEL

The Pinellas County Housing Authority (PCHA) is soliciting bids from qualified, responsible, licensed Contractors interested in providing general contractor services to renovate, and construct an addition to, a PCHA-owned single family residence located at 12065 134th Place North, Largo, FL 33778, in accordance with all applicable state and federal regulations, the requirements of PCHA and the U.S. Department of Housing and Urban Development (HUD).

PROPOSED SCHEDULE

- **April 17, 2017** **Publish Invitation for Bid**
- **April 17, 2017** **IFB Document Ready for Distribution**
- **April 26, 2017** **Pre-Bid Conference**

A Pre-Bid Conference will be held at the home located at 12065 134th Place North, Largo, FL 33778, at 10:00 a.m. EST, on Wednesday, April 26, 2017. Although not mandatory, it is strongly recommended that all interested parties attend.

- **May 5, 2017** **Bids are due by 12:00 p.m. EST**

If you are interested in submitting a bid, please send your request for an IFB package via fax to (727) 489-0799 or email to dleishman@pinellashousing.com. You may also pick up a copy in person at 11479 Ulmerton Road, Largo, Florida 33778, between the hours of 8:30 a.m. and 4:30 p.m. Monday through Thursday and 8:30 a.m. and 12:00 p.m. on Friday. **PCHA reserves the right to request additional information concerning any and/or all Bids submitted.**

PCHA RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS IF SUCH ACTION IS IN THE BEST INTEREST OF THE HOUSING AUTHORITY AND TO WAIVE ANY AND/OR ALL INFORMALITIES AND MINOR IRREGULARITIES. PCHA RESERVES THE RIGHT TO CANCEL THIS SOLICITATION FOR ANY REASON IT DEEMS IS IN THE BEST INTEREST OF THE AGENCY.

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INVITATION FOR BID

IFB# 17-002

RESIDENTIAL HOME REMODEL

NOTICE OF INTENT TO RECEIVE BIDS

In accordance with the U.S. Department of Housing and Urban Development (HUD) Handbook 7460.8 REV-2, Florida Statutes, 2 CFR 200.317-326 and other applicable laws, the Pinellas County Housing Authority (PCHA) formally requests competitive bids from qualified, responsible, licensed contractors interested in providing general contractor services to renovate, and construct an addition to, a PCHA-owned single family residence located at 12065 134th Place North, Largo, FL 33778, in compliance with the requirements of PCHA and the U.S. Department of Housing and Urban Development (HUD).

SECTION A

A-1 Type of Contract

The Pinellas County Housing Authority contemplates the award of a firm fixed price contract resulting from this solicitation. The term of this contract shall be one hundred five (105) business days from issuance of Notice to Proceed or receipt of required permits (if applicable), whichever is later.

SECTION B

B-1 Overview of Project

The Pinellas County Housing Authority

PCHA is a body, corporate and politic, established by the State of Florida pursuant to Chapter 421, Florida Statutes. PCHA is subject to all State, County and City ordinances and regulations. PCHA's mission is ". . . to provide safe, quality housing for persons in need and to cultivate healthy, vibrant neighborhoods for Pinellas County". A five (5) member Board of Commissioners, authorized by State law and appointed by the Governor of the State of Florida, is responsible for the development of housing authority policy. Housing authority operations and recommendations regarding planning strategies are the responsibility of PCHA's Executive Director to carry out.

PCHA owns, manages, and maintains two (2) public housing developments for a total of 310 public housing units; five (5) affordable housing developments totaling 1,061 affordable units; and a 48-unit property operating under Section 8 New Construction for a grand total of 1,419 owned housing units. All of PCHA's properties are managed and operated by PCHA employees. PCHA also administers approximately 3,100 Section 8 Housing Choice Vouchers.

PCHA receives funding from the United States Department of Housing and Urban Development (HUD) and is entitled to apply for funding to acquire, construct, modernize, maintain, and operate housing developments. In addition, PCHA administers several programs funded and regulated by HUD. These programs include conventional, rental assistance and community development components. HUD previously used the Public Housing Assessment System (PHAS), 24 CFR Part 902, to annually rate the effectiveness of Public and Indian Housing Authorities' operations. PCHA attained a rating of "high performer" status in its annual PHAS score. HUD is currently revising the rating and scoring process to conform to asset management requirements. It is the goal of PCHA to maintain high performer status in any subsequent scoring program.

Single Family Residence-10265 134th Place North

The property was deeded to PCHA by Pinellas County in December of 2015. It contains a vacant 825 living/1,164 gross square foot single family residential building planned for renovation. PCHA plans to construct a new affordable single family residential building in order to house a low-income family with the future goal of providing a low-income household with the ability to achieve homeownership.

The current single family residential building was built in 1960 and is located within the Ridgecrest neighborhood in unincorporated Pinellas County. The building will be 1,245 square feet and includes a living/dining room, kitchen, three (3) bedrooms, two (2) bathrooms, and a (1) car garage. The home is in walking distance to local transit, schools, and parks.

B-2 Scope of Work

Furnish all labor, materials, and equipment necessary to provide general contractor services to renovate, and construct an addition to, a PCHA-owned single family residence located at 12065 134th Place North, Largo, FL 33778 as further described in the scope of work located in Exhibit X.

SECTION C

C-1 Due Date of Bid

Bids are due at the Pinellas County Housing Authority Central Office by 12:00 p.m. Eastern Standard Time (EST) on Friday, May 5, 2017, mailed or delivered to the attention of:

Ray DiRusso, Director of Compliance
Pinellas County Housing Authority
11479 Ulmerton Road
Largo, FL 33778

Any questions regarding this IFB must be submitted in writing and shall be directed to Ms. Danielle Leishman, by email at dleishman@pinellashousing.com or by facsimile at (727) 489-0799.

C-2 Contract Award

A contract shall be awarded in accordance with the terms of Form HUD 5369, Instructions to Bidders for Contracts, Public and Indian Housing Programs, attached hereto as Exhibit A, and its Procurement Policy. The Executive Director shall make a final recommendation to the Board of Commissioners. The Board of Commissioners will make the final selection of the firm to be awarded the contract. A contract will be awarded to the Bidder whose bid best meets the needs and requirements of PCHA for the best value. Failure to meet the threshold requirements may result in rejection of the bid. PCHA reserves the right to reject any and all bids, to award one or more contracts or no contract.

SECTION D

D-1 Instructions to Bidders

See Exhibit A, HUD Form 5369, Instructions to Bidders for Contracts, Public and Indian Housing Programs. PCHA hereby excludes Item 5, Late Submissions, Modifications from HUD Form 5369.

SECTION E

E-1 Required Certifications

See Exhibit H, Form HUD 5369-A, Representations, Certifications, and other Statements of Bidders, Public and Indian Housing Programs.

E-2 Acceptance of Bids

Bid must be signed, sealed and received in completed form at the Pinellas County Housing Authority located at 11479 Ulmerton Road, Largo, FL 33778, no later than the bid submission time and date. Bids submitted after the designated date and hour will not be accepted for any reason.

PCHA reserves the right to accept or reject any or all Bids, to take exception to these IFB specifications or to waive any irregularities and/or informalities. Bidder may be excluded from further consideration for failure to comply fully with the specifications of this IFB.

PCHA also reserves the right to reject the Bid of any Bidder who has previously failed to perform properly, or to complete on time, contract(s) of a similar nature; who is not in a position to perform the contract, or who habitually and without just cause neglected the payment of bills or otherwise disregarded its obligations to subcontractors, providers of materials, or employees.

E-3 Confidential Material

Any material submitted by a Bidder that is to be considered as confidential must be clearly marked as such. In accordance with Florida Statutes, Chapter 119 regarding Public Records, all bids are subject to public inspection.

E-4 Financial Statements

The Bidder may be requested to submit current financial statements. Furthermore, the Bidder shall disclose any past or current litigation to which it is a party and the amount in controversy or potential liability.

E-5 Withdrawal of Bids

Bid may be withdrawn on a written or telegraphic (faxed) request dispatched by the Bidder in time for delivery in the normal course of business prior to the time specified herein for bid receipt, provided that written confirmation of any telegraphic withdrawal with the signature of the Bidder is placed in the mail and postmarked prior to the time specified herein for bid receipt. Negligence on the part of the Bidder in preparing its Bid confers no right of withdrawal or modification of its bid after the due date and time specified herein.

E-6 Incurring Costs

PCHA is not liable for any costs incurred by any Bidder prior to issuance of a Notice to Proceed. In general, no pre-contract costs will be paid to the successful Bidder.

All costs incurred in the preparation and presentation of Bid shall be wholly borne by each Bidder. All supporting documentation and manuals submitted with each Bid will become the property of PCHA unless otherwise indicated by the Bidder at the time of submission.

PCHA agrees to provide to the successful Bidder, upon request, no more than three sets of drawings and specifications for building permits.

E-7 Third Party Claims on Services or Software

If the proposed services include the use of products or services of another company, PCHA will hold the Bidder responsible for the proposed services. In addition, the Bidder shall hold PCHA harmless from any third party legal claims involving the use by PCHA of any software product or technique provided.

E-8 Ineligible Contractors

PCHA is prohibited from making any awards to contractors or accepting as subcontractors any individuals or firms that are on the GSA List of Parties Excluded from Federal Procurement and Non-procurement Programs.

E-9 Award of Contracts

A contract shall be awarded according to the criteria specified herein, provided the bid is in the best interest of PCHA. The Bidder to whom an award is made will be notified at the earliest practical date. An award may be subject to HUD approval.

SECTION F

F-1 Mandatory Clauses

See Exhibit I – Form HUD 5370, General Conditions for Construction Contracts-Public Housing Programs and Exhibit Y – Contract Provisions required by 2 CFR 200.326.

SECTION G

G-1 Insurance

The successful Bidder shall be required to furnish original Certificates of Insurance evidencing the required coverage to be in force on the date of the Contract, and Renewal Certificates of Insurance, or a copy of the policy, if the coverage has an expiration or renewal date occurring during the term of this Contract or extensions thereof. The receipt of any certificates does not constitute agreement by PCHA that the insurance requirements in the Contract have been fully met or that the insurance policies indicated on the certificates comply with all Contract requirements. The insurance policies shall provide for thirty (30) days prior written notice to be given to PCHA in the event coverage is substantially changed, canceled, or non-renewed.

The Bidder shall require all subcontractors to carry the insurance required herein, or the Bidder may provide the coverage for any or all subcontractors, and, if so, the Certificate of Insurance or copy of the policy submitted shall so stipulate.

The Bidder and all subcontractors agree that insurers shall waive their rights of Subrogation against the Pinellas County Housing Authority.

The Bidder expressly understands and agrees that any insurance or self insurance programs maintained by the Pinellas County Housing Authority shall apply in excess of and not contribute with insurance provided by the successful Bidder and subcontractors under the Contract.

- (a) The successful Bidder shall procure and maintain at its sole cost and expense for the duration of this Contract, insurance against claims for injuries to persons or damages to Properties which may arise from or in connection with the performance of the work hereunder by Bidder, its agents, representatives, volunteers, employees or subcontractors. Bidder acknowledges that it has familiarized itself with the extent and scope of work to be performed and certifies that its insurance policies provide coverage for losses that might arise from the types of hazards to be found herein.
 1. Bidder's insurance coverage shall be primary and noncontributory with respect to PCHA, its officials, employees and volunteers.
 2. To the extent that subcontractors may be used, Bidder shall include all subcontractors as Additional Insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All

coverages for subcontractors shall be subject to all of the requirements stated herein.

3. Certificates of insurance and endorsements shall be furnished to PCHA and approved by PCHA before services are furnished. PCHA must be named as an "Additional Insured".
 4. The following standard insurance policies shall be required:
 - i. Commercial General Liability Policy
 - ii. Workers' Compensation Policy
 - iii. Automobile Liability
 5. Approval, disapproval or failure to act by PCHA regarding any insurance supplied by Bidder shall not relieve Bidder of full responsibility or liability for damages and accident as set forth in the contract documents. Neither shall the bankruptcy, insolvency or denial of liability by the insurance company exonerate Bidder from liability.
- (b) The following requirements are applicable to all policies:
1. Commercial General Liability and Workers Compensation insurance shall be written by a carrier with an A-VII or better rating in accordance with current A.M. Best Key Rating Guide.
 2. Only insurance carriers licensed or duly authorized to do business in the State of Florida will be accepted.
 3. Only deductibles applicable to property damage are acceptable; if applicable they must be shown on the certificate of insurance and approved by PCHA.
 4. "Claims made" policies will not be accepted.
 5. PCHA, its officers, employees, and volunteers are to be added as "Additional Insured" to all required policies. The coverage shall contain no special limitations on the scope of protection afforded to PCHA, its officials, employees, or volunteers.
 6. Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, canceled, non-renewed or reduced in coverage or in limits except after thirty (30) days prior written notice to PCHA.
 7. Upon request, certified copies of all insurance policies shall be furnished to PCHA.
- (c) **COMMERCIAL GENERAL LIABILITY INSURANCE.** The following Commercial General Liability Insurance is required:
1. Minimum Limits of \$500,000 per Occurrence with an annual Aggregate

of \$2,000,000 for Bodily Injury, Personal Injury and Property Damage.

2. Coverage shall be provided for premises/operations and product/completed operations hazards.
 3. The ISO Commercial General Liability Policy form (Acord 25 2009/09) or broader with no deletions of coverage. Any exclusions, changes or limitations of coverage must be submitted with Contractor's written bid and must be approved by the PCHA risk manager.
- (d) WORKERS' COMPENSATION INSURANCE. The following Workers' Compensation is required:
1. Minimum Employer's Liability limits of:
 - (a) By Accident – Florida Statutory Limit.
 - (b) By Disease – Florida Statutory Limit.
 2. A Waiver of subrogation in favor of PCHA must be endorsed to the policy.
 3. "Florida," must appear in item 3A of the declarations page of item 3C must contain the following: "All states except those in Item 3A and the state of NV, ND, OH, WA, WV, and WY.
- (e) AUTOMOBILE LIABILITY. The following Automobile Liability Insurance will be required:
1. On Owned, Non-owned or Hired motor vehicles used on the site or in connection therewith, a minimum Combined Single limit of \$500,000, each Accident for Bodily Injury and Property Damage.
 2. PCHA, its officers, employees and volunteers, shall be added as "Additional Insured".
 3. Insurance Services Office Business Auto coverage form (Acord 25 2009/09) or broader with symbol 1, "*any auto*" shown in the *Covered Autos* portion of the declarations page.
 4. PCHA, its officers, employees and volunteers, shall be added as "Additional Insured".
 5. There shall be no special limitations regarding the scope of protection afforded to PCHA, its officials, employees or volunteers.
- (f) CERTIFICATES OF INSURANCE. All Certificates of Insurance shall have the following:
- Certificates of Insurance shall be prepared and executed by the insurance

company or its authorized agent, and shall contain provisions warranting the following:

1. The company is authorized to do business in the State of Florida.
2. The insurance set forth by the insurance company is written on forms, which have been approved by the Florida State Board of Insurance or ISO.
3. Sets forth all endorsement and insurance coverages according to requirements and instructions contained herein.
4. Shall specifically set forth the notice of cancellation, termination, or change in coverage provisions to PCHA.
5. Original endorsements affecting coverage required by this section shall be furnished with the certificates of insurance.

(g) VERIFICATION OF COVERAGE. The following requirement pertains to all Certificates of Insurance. Bidder shall furnish PCHA with certificate of insurance and with original endorsements effecting coverage by this clause. The certificates and endorsements for each policy are to be signed by a person authorized by that insurer to bind coverage on its behalf and written on forms which have been approved by the Florida Department of Insurance or Insurance Services Office. They must set forth all coverage and deductibles as well as the notice of cancellation, termination or change in coverage provisions to PCHA according to requirements and instructions contained herein. Certificates of Insurance (or certified copies of policies) and any required endorsements shall be furnished to and approved by PCHA before work commences. PCHA reserves the rights to require complete, certified copies of all required insurance policies at any time.

G-2 Indemnification

The successful Bidder will be required to protect, defend, indemnify, keep, save, and hold PCHA, its officers, officials, employees and agents, free and harmless from and against any and all liabilities, losses, penalties, damages, settlements, environmental liability, costs, charges, professional fees or other expenses or liabilities of every kind, obligations, actions, suits, judgments of settlements, proceedings of causes of action of every kind, nature and character (collectively, "Claims") in connection with or arising directly or indirectly out of the acts or omissions and/or the performance thereof by the successful Bidder, its officers, officials, agents, employees, and subcontractors, including, but not limit to, the enforcement of, the indemnification provision. The successful Bidder will be further required to investigate, handle, respond to, provide defense for and defend all suits for any and all Claims, at its sole expense and agrees to bear all other costs and expenses related thereto, even if the Claims are considered groundless, false or fraudulent.

PCHA will have the right, at its option and at its expense, to participate in the defense of any suit, without relieving the successful Bidder of any of its obligations under this indemnity provision. The indemnities to be set forth in the contract resulting from this IFB will survive the expiration or termination of that Contract.

G-3 Rules, Regulations, and Licensing Requirements

Each Bidder and its staff must possess all of the required State of Florida licenses, as well as all other licenses or registrations required by Pinellas County to perform in accordance with the contract scope of services herein. In addition, the Bidder shall comply with all laws, ordinances and regulations applicable to the scope of services contemplated herein. The successful Bidder is presumed to be familiar with all federal, state and local laws, ordinances, codes, rules and regulations.

G-4 Assignment

The successful Bidder shall not enter into any subcontracts, retain consultants, or assign, transfer, convey, sublet, or otherwise delegate its obligations under the contract resulting from this IFB, or any or all of its rights, title or interest therein, or its power to execute such contract to any person, company or corporation without the prior written consent and approval of PCHA.

SECTION H

H-1 Submission Requirements

Bids are to be submitted in accordance with Form HUD 5369, Instructions to Bidders for Contracts, Public and Indian Housing Programs. Bidders shall submit one unbound original and one (1) exact copy of its bid. Each bid package shall incorporate the following elements:

1. **The name of the Bidder, the location of the principal place of business.**
2. The following forms must be included:
 - One completed and signed copy of PCHA's **Bid Proposal Form**
 - One completed and signed **Bid Bond**
 - **Schedule of Values** to correspond with Bid amount
 - One completed, signed and notarized **Statement of Bidder's Qualifications**
 - One completed and signed copy of HUD **Form 5369-A**, Representations, Certifications, and other Statement of Bidders, Public and Indian Housing Programs
 - One completed and signed copy of the **Certification of Acceptance of Form HUD 5370, General Conditions for Construction Contracts-Public Housing Programs**
 - One completed and signed copy of HUD **Form 2530**, Previous Participation Certification

- One completed, signed, and notarized **Non-Collusive Affidavit of Contractor/Subcontractor**
- One completed, signed, and notarized **Sworn Statement Pursuant to Sections 287.133(3)(a) Florida Statutes, on Public Entity Crimes**
- One completed and signed copy of Bidder's **Certification of Authorization to Execute Bid/Contract on Behalf of Company**
- One copy of Contractor's or Sub-contractor's **Minority and/or Woman-Owned Business Certificate**, if applicable
- One completed and signed copy of PCHA's **M/WBE Utilization Summary (form is required, regardless of level of participation)**
- One completed and signed copy of the **Section 3 Opportunities Plan and Acknowledgement (form is required, must select at least one option)**
- **Listing of all contracts from the past three (3) years.** PCHA will choose from this list to check references on past projects. Please include company/customer name, contact name, and contact phone and fax numbers **(and e-mail addresses, if available)**.

Please list the physical address of the property where the contracted work was performed.

- Proof of Insurance
- Appropriate Certificate/License
- Acknowledgement of Receipt of Documents for all Addenda issued, if applicable

Alterations to the bid, or the terms and conditions in this IFB shall be grounds for rejecting the entire bid. Late bids shall not be accepted for ANY reason.

The IFB, as a general requirement, specifies that all work be performed in accordance with professional standards, HUD regulations, requirements and criteria, local codes, regulation ordinances, and statutes. It is PCHA's full expectation and it will be a contractual requirement that the successful respondent fully and routinely meet this requirement. Therefore, PCHA will carefully monitor and audit performance to ensure such performance.

SECTION I

I-1 M/WBE Participation

In accordance with 2 CFR Part 200.321, it is PCHA's goal to have minority and women-owned business enterprise (M/WBE) participation in 50% of all of its contracts. Therefore, the selected Bidder's firm that is not 51% minority or women-owned (non-M/WBE) will be required to take all necessary affirmative steps to assure that minority and women's business enterprises are used whenever possible.

All Bidders must submit PCHA's M/WBE Utilization Summary form (Exhibit P, hereto) as part of their Proposal. Certified M/WBE firms must submit copies of its Certification from any governmental certifying agency.

PCHA encourages joint ventures and/or partnerships with qualified minority and women-owned firms. The names of all contractors/subcontractors whom a Bidder is interested in forming a joint venture or partnership with on this project should be included in the Proposal. PCHA reserves the right at its own discretion to reject any subcontractor recommended in the proposal.

Each joint venture business must submit all forms required herein. Each M/WBE business must submit a statement of its intent to participate and its M/WBE certification with the proposal. In addition, the joint venture partnership agreement must be provided with the proposal.

SECTION J

J-1 Section 3 Requirements

Pursuant to 24 CFR Part 135, the Bidder shall comply with PCHA's approved Section 3 Policy and Procedures, as attached hereto, relative to residents for the contract awarded by PCHA. Each Proposal shall include a plan for employment and training of Section 3 Residents, which shall be used to determine the number and type of positions to be filled by qualified Section 3 residents.

The selected contractor and all subcontractors shall be required to consider employment applications from Section 3 residents, as a material term of any contract resulting from this IFB.

Furthermore, the Bidder shall describe in detail how it plans to use the services of PCHA/Section 3 Resident-owned Businesses or businesses that employ significant numbers of Section 3 Residents to meet its Section 3 obligations.

The following clause will be a part of any contract that is signed by PCHA.

The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance of HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of the contract, the parties to the contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.

The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other

understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice of knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD-assisted contracts.

SECTION K

K-1 List of Attachments

The following attachments are required and/or included as part of this IFB and shall be incorporated into the Bidder's bid/contract:

- Exhibit A: Form HUD 5369, Instructions to Bidders for Contracts, Public and Indian Housing Programs
- Exhibit B: Mailing Label
- Exhibit C: Bid Package Checklist
- Exhibit D: Bid Proposal Form
- Exhibit E: Bid Bond-Sample Form (5% bid bond required with bid)
- Exhibit F: Schedule of Values
- Exhibit G: Statement of Bidder's Qualifications
- Exhibit H: Form HUD 5369-A, Representations, Certifications, and Other Statements of Bidders, Public and Indian Housing Programs
- Exhibit I: Form HUD 5370, General Conditions for Construction Contracts-Public Housing Programs
- Exhibit J: Certification of Acceptance, HUD Form 5370, General Conditions for Construction Contracts-Public Housing Programs
- Exhibit K: Form HUD 2530, Previous Participation Certification



EXHIBIT A

**Form HUD 5369, Instructions to Bidders for Contracts,
Public and Indian Housing Programs**

**U.S. Department of Housing and
Urban Development**
Office of Public and Indian Housing

**Instructions to Bidders for Contracts
Public and Indian Housing Programs**

Instructions to Bidders for Contracts

Public and Indian Housing Programs

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1. Bid Preparation and Submission

(a) Bidders are expected to examine the specifications, drawings, all instructions, and, if applicable, the construction site (see also the contract clause entitled **Site Investigation and Conditions Affecting the Work** of the *General Conditions of the Contract for Construction*). Failure to do so will be at the bidders' risk.

(b) All bids must be submitted on the forms provided by the Public Housing Agency/Indian Housing Authority (PHA/IHA). Bidders shall furnish all the information required by the solicitation. Bids must be signed and the bidder's name typed or printed on the bid sheet and each continuation sheet which requires the entry of information by the bidder. Erasures or other changes must be initialed by the person signing the bid. Bids signed by an agent shall be accompanied by evidence of that agent's authority. (Bidders should retain a copy of their bid for their records.)

(c) Bidders must submit as part of their bid a completed form HUD-5369-A, "Representations, Certifications, and Other Statements of Bidders."

(d) All bid documents shall be sealed in an envelope which shall be clearly marked with the words "Bid Documents," the Invitation for Bids (IFB) number, any project or other identifying number, the bidder's name, and the date and time for receipt of bids.

(e) If this solicitation requires bidding on all items, failure to do so will disqualify the bid. If bidding on all items is not required, bidders should insert the words "No Bid" in the space provided for any item on which no price is submitted.

(f) Unless expressly authorized elsewhere in this solicitation, alternate bids will not be considered.

(g) Unless expressly authorized elsewhere in this solicitation, bids submitted by telegraph or facsimile (fax) machines will not be considered.

(h) If the proposed contract is for a Mutual Help project (as described in 24 CFR Part 905, Subpart E) that involves Mutual Help contributions of work, material, or equipment, supplemental information regarding the bid advertisement is provided as an attachment to this solicitation.

2. Explanations and Interpretations to Prospective Bidders

(a) Any prospective bidder desiring an explanation or interpretation of the solicitation, specifications, drawings, etc., must request it at least 7 days before the scheduled time for bid opening. Requests may be oral or written. Oral requests must be confirmed in writing. The only oral clarifications that will be provided will be those clearly related to solicitation procedures, i.e., not substantive technical information. No other oral explanation or interpretation will be provided. Any information given a prospective bidder concerning this solicitation will be furnished promptly to all other prospective bidders as a written amendment to the solicitation, if that information is necessary in submitting bids, or if the lack of it would be prejudicial to other prospective bidders.

(b) Any information obtained by, or provided to, a bidder other than by formal amendment to the solicitation shall not constitute a change to the solicitation.

3. Amendments to Invitations for Bids

(a) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

(b) Bidders shall acknowledge receipt of any amendment to this solicitation (1) by signing and returning the amendment, (2) by identifying the amendment number and date on the bid form, or (3) by letter, telegram, or facsimile, if those methods are authorized in the solicitation. The PHA/IHA must receive acknowledgement by the time and at the place specified for receipt of bids. Bids which fail to acknowledge the bidder's receipt of any amendment will result in the rejection of the bid if the amendment(s) contained information which substantively changed the PHA's/IHA's requirements.

(c) Amendments will be on file in the offices of the PHA/IHA and the Architect at least 7 days before bid opening.

4. Responsibility of Prospective Contractor

(a) The PHA/IHA will award contracts only to responsible prospective contractors who have the ability to perform successfully under the terms and conditions of the proposed contract. In determining the responsibility of a bidder, the PHA/IHA will consider such matters as the bidder's:

- (1) Integrity;
- (2) Compliance with public policy;
- (3) Record of past performance; and
- (4) Financial and technical resources (including construction and technical equipment).

(b) Before a bid is considered for award, the bidder may be requested by the PHA/IHA to submit a statement or other documentation regarding any of the items in paragraph (a) above. Failure by the bidder to provide such additional information shall render the bidder nonresponsible and ineligible for award.

5. Late Submissions, Modifications, and Withdrawal of Bids

(a) Any bid received at the place designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made and it:

(1) Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of offers (e.g., an offer submitted in response to a solicitation requiring receipt of offers by the 20th of the month must have been mailed by the 15th);

(2) Was sent by mail, or if authorized by the solicitation, was sent by telegram or via facsimile, and it is determined by the PHA/IHA that the late receipt was due solely to mishandling by the PHA/IHA after receipt at the PHA/IHA; or

(3) Was sent by U.S. Postal Service Express Mail Next Day Service - Post Office to Addressee, not later than 5:00 p.m. at the place of mailing two working days prior to the date specified for receipt of proposals. The term "working days" excludes weekends and observed holidays.

(b) Any modification or withdrawal of a bid is subject to the same conditions as in paragraph (a) of this provision.

(c) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent either by registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the bid, modification, or withdrawal shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed by employees of the U.S. or Canadian Postal Service on the date of mailing. Therefore, bidders should request the postal clerk to place a hand cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(d) The only acceptable evidence to establish the time of receipt at the PHA/IHA is the time/date stamp of PHA/IHA on the proposal wrapper or other documentary evidence of receipt maintained by the PHA/IHA.

(e) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent by Express Mail Next Day Service-Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service-Post Office to Addressee" label and the postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (c) of this provision, excluding postmarks of the Canadian Postal Service. Therefore, bidders should request the postal clerk to place a legible hand cancellation bull's eye postmark on both the receipt and Failure by a bidder to acknowledge receipt of the envelope or wrapper.

(f) Notwithstanding paragraph (a) of this provision, a late modification of an otherwise successful bid that makes its terms more favorable to the PHA/IHA will be considered at any time it is received and may be accepted.

(g) Bids may be withdrawn by written notice, or if authorized by this solicitation, by telegram (including mailgram) or facsimile machine transmission received at any time before the exact time set for opening of bids; provided that written confirmation of telegraphic or facsimile withdrawals over the signature of the bidder is mailed and postmarked prior to the specified bid opening time. A bid may be withdrawn in person by a bidder or its authorized representative if, before the exact time set for opening of bids, the identity of the person requesting withdrawal is established and the person signs a receipt for the bid.

6. Bid Opening

All bids received by the date and time of receipt specified in the solicitation will be publicly opened and read. The time and place of opening will be as specified in the solicitation. Bidders and other interested persons may be present.

7. Service of Protest

(a) Definitions. As used in this provision:

"Interested party" means an actual or prospective bidder whose direct economic interest would be affected by the award of the contract.

"Protest" means a written objection by an interested party to this solicitation or to a proposed or actual award of a contract pursuant to this solicitation.

(b) Protests shall be served on the Contracting Officer by obtaining written and dated acknowledgement from —

Pinellas County Housing Authority
Attn: Executive Director
11479 Ulmerton Road
Largo FL 33778

[Contracting Officer designate the official or location where a protest may be served on the Contracting Officer]

(c) All protests shall be resolved in accordance with the PHA's/IHA's protest policy and procedures, copies of which are maintained at the PHA/IHA.

8. Contract Award

(a) The PHA/IHA will evaluate bids in response to this solicitation without discussions and will award a contract to the responsible bidder whose bid, conforming to the solicitation, will be most advantageous to the PHA/IHA considering only price and any price-related factors specified in the solicitation.

(b) If the apparent low bid received in response to this solicitation exceeds the PHA's/IHA's available funding for the proposed contract work, the PHA/IHA may either accept separately priced items (see 8(e) below) or use the following procedure to determine contract award. The PHA/IHA shall apply in turn to each bid (proceeding in order from the apparent low bid to the high bid) each of the separately priced bid deductible items, if any, in their priority order set forth in this solicitation. If upon the application of the first deductible item to all initial bids, a new low bid is within the PHA's/IHA's available funding, then award shall be made to that bidder. If no bid is within the available funding amount, then the PHA/IHA shall apply the second deductible item. The PHA/IHA shall continue this process until an evaluated low bid, if any, is within the PHA's/IHA's available funding. If upon the application of all deductibles, no bid is within the PHA's/IHA's available funding, or if the solicitation does not request separately priced deductibles, the PHA/IHA shall follow its written policy and procedures in making any award under this solicitation.

(c) In the case of tie low bids, award shall be made in accordance with the PHA's/IHA's written policy and procedures.

(d) The PHA/IHA may reject any and all bids, except other than the lowest bid (e.g., the apparent low bid is unreasonably low), and waive informalities or minor irregularities in bids received, in accordance with the PHA's/IHA's written policy and procedures.

(e) Unless precluded elsewhere in the solicitation, the PHA/IHA may accept any item or combination of items bid.

(f) The PHA/IHA may reject any bid as nonresponsive if it is materially unbalanced as to the prices for the various items of work to be performed. A bid is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated for other work.

(g) A written award shall be furnished to the successful bidder within the period for acceptance specified in the bid and shall result in a binding contract without further action by either party.

9. Bid Guarantee (applicable to construction and equipment contracts exceeding \$25,000)

All bids must be accompanied by a negotiable bid guarantee which shall not be less than five percent (5%) of the amount of the bid. The bid guarantee may be a certified check, bank draft, U.S. Government Bonds at par value, or a bid bond secured by a surety company acceptable to the U.S. Government and authorized to do business in the state where the work is to be performed. In the case where the work under the contract will be performed on an Indian reservation area, the bid guarantee may also be an irrevocable Letter of Credit (see provision 10, Assurance of Completion, below). Certified checks and bank drafts must be made payable to the order of the PHA/IHA. The bid guarantee shall insure the execution of the contract and the furnishing of a method of assurance of completion by the successful bidder as required by the solicitation. Failure to submit a bid guarantee with the bid shall result in the rejection of the bid. Bid guarantees submitted by unsuccessful bidders will be returned as soon as practicable after bid opening.

10. Assurance of Completion

(a) Unless otherwise provided in State law, the successful bidder shall furnish an assurance of completion prior to the execution of any contract under this solicitation. This assurance may be [Contracting Officer check applicable items] —

(1) a performance and payment bond in a penal sum of 100 percent of the contract price; or, as may be required or permitted by State law;

(2) separate performance and payment bonds, each for 50 percent or more of the contract price;

(3) a 20 percent cash escrow;

(4) a 25 percent irrevocable letter of credit; or,

(5) an irrevocable letter of credit for 10 percent of the total contract price with a monitoring and disbursements agreement with the IHA (applicable only to contracts awarded by an IHA under the Indian Housing Program).

(b) Bonds must be obtained from guarantee or surety companies acceptable to the U.S. Government and authorized to do business in the state where the work is to be performed. Individual sureties will not be considered. U.S. Treasury Circular Number 570, published annually in the Federal Register, lists companies approved to act as sureties on bonds securing Government contracts, the maximum underwriting limits on each contract bonded, and the States in which the company is licensed to do business. Use of companies listed in this circular is mandatory. Copies of the circular may be downloaded on the U.S. Department of Treasury website <http://www.fms.treas.gov/c570/index.html>, or ordered for a minimum fee by contacting the Government Printing Office at (202) 512-2168.

(c) Each bond shall clearly state the rate of premium and the total amount of premium charged. The current power of attorney for the person who signs for the surety company must be attached to the bond. The effective date of the power of attorney shall not precede the date of the bond. The effective date of the bond shall be on or after the execution date of the contract.

(d) Failure by the successful bidder to obtain the required assurance of completion within the time specified, or within such extended period as the PHA/IHA may grant based upon reasons determined adequate by the PHA/IHA, shall render the bidder ineligible for award. The PHA/IHA may then either award the contract to the next lowest responsible bidder or solicit new bids. The PHA/IHA may retain the ineligible bidder's bid guarantee.

11. Preconstruction Conference (applicable to construction contracts)

After award of a contract under this solicitation and prior to the start of work, the successful bidder will be required to attend a preconstruction conference with representatives of the PHA/IHA and its architect/engineer, and other interested parties convened by the PHA/IHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract (e.g., Equal Employment Opportunity, Labor Standards). The PHA/IHA will provide the successful bidder with the date, time, and place of the conference.

12. Indian Preference Requirements (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)

(a) HUD has determined that the contract awarded under this solicitation is subject to the requirements of section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e(b)). Section 7(b) requires that any contract or subcontract entered into for the benefit of Indians shall require that, to the greatest extent feasible

(1) Preferences and opportunities for training and employment (other than core crew positions; see paragraph (h) below) in connection with the administration of such contracts or subcontracts be given to qualified "Indians." The Act defines "Indians" to mean persons who are members of an Indian tribe and defines "Indian tribe" to mean any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act, which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians; and,

(2) Preference in the award of contracts or subcontracts in connection with the administration of contracts be given to Indian organizations and to Indian-owned economic enterprises, as defined in section 3 of the Indian Financing Act of 1974 (25 U.S.C. 1452). That Act defines "economic enterprise" to mean any Indian-owned commercial, industrial, or business activity established or organized for the purpose of profit, except that the Indian ownership must constitute not less than 51 percent of the enterprise; "Indian organization" to mean the governing body of any Indian tribe or entity established or recognized by such governing body; "Indian" to mean any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act; and Indian "tribe" to mean any Indian tribe, band, group, pueblo, or community including Native villages and Native groups (including

corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

(b) (1) The successful Contractor under this solicitation shall comply with the requirements of this provision in awarding all subcontracts under the contract and in providing training and employment opportunities.

(2) A finding by the IHA that the contractor, either (i) awarded a subcontract without using the procedure required by the IHA, (ii) falsely represented that subcontracts would be awarded to Indian enterprises or organizations; or, (iii) failed to comply with the contractor's employment and training preference bid statement shall be grounds for termination of the contract or for the assessment of penalties or other remedies.

(c) If specified elsewhere in this solicitation, the IHA may restrict the solicitation to qualified Indian-owned enterprises and Indian organizations. If two or more (or a greater number as specified elsewhere in the solicitation) qualified Indian-owned enterprises or organizations submit responsive bids, award shall be made to the qualified enterprise or organization with the lowest responsive bid. If fewer than the minimum required number of qualified Indian-owned enterprises or organizations submit responsive bids, the IHA shall reject all bids and readvertise the solicitation in accordance with paragraph (d) below.

(d) If the IHA prefers not to restrict the solicitation as described in paragraph (c) above, or if after having restricted a solicitation an insufficient number of qualified Indian enterprises or organizations submit bids, the IHA may advertise for bids from non-Indian as well as Indian-owned enterprises and Indian organizations. Award shall be made to the qualified Indian enterprise or organization with the lowest responsive bid if that bid is -

(1) Within the maximum HUD-approved budget amount established for the specific project or activity for which bids are being solicited; and

(2) No more than the percentage specified in 24 CFR 905.175(c) higher than the total bid price of the lowest responsive bid from any qualified bidder. If no responsive bid by a qualified Indian-owned economic enterprise or organization is within the stated range of the total bid price of the lowest responsive bid from any qualified enterprise, award shall be made to the bidder with the lowest bid.

(e) Bidders seeking to qualify for preference in contracting or subcontracting shall submit proof of Indian ownership with their bids. Proof of Indian ownership shall include but not be limited to:

(1) Certification by a tribe or other evidence that the bidder is an Indian. The IHA shall accept the certification of a tribe that an individual is a member.

(2) Evidence such as stock ownership, structure, management, control, financing and salary or profit sharing arrangements of the enterprise.

(f) (1) All bidders must submit with their bids a statement describing how they will provide Indian preference in the award of subcontracts. The specific requirements of that statement and the factors to be used by the IHA in determining the statement's adequacy are included as an attachment to this solicitation. Any bid that fails to include the required statement shall be rejected as nonresponsive. The IHA may require that comparable statements be provided by subcontractors to the successful Contractor, and may require the Contractor to reject any bid or proposal by a subcontractor that fails to include the statement.

(2) Bidders and prospective subcontractors shall submit a certification (supported by credible evidence) to the IHA in any instance where the bidder or subcontractor believes it is infeasible to provide Indian preference in subcontracting. The acceptance or rejection by the IHA of the certification shall be final. Rejection shall disqualify the bid from further consideration.

(g) All bidders must submit with their bids a statement detailing their employment and training opportunities and their plans to provide preference to Indians in implementing the contract; and the number or percentage of Indians anticipated to be employed and trained. Comparable statements from all proposed subcontractors must be submitted. The criteria to be used by the IHA in determining the statement(s)'s adequacy are included as an attachment to this solicitation. Any bid that fails to include the required statement(s), or that includes a statement that does not meet minimum standards required by the IHA shall be rejected as nonresponsive.

(h) Core crew employees. A core crew employee is an individual who is a bona fide employee of the contractor at the time the bid is submitted; or an individual who was not employed by the bidder at the time the bid was submitted, but who is regularly employed by the bidder in a supervisory or other key skilled position when work is available. Bidders shall submit with their bids a list of all core crew employees.

(i) Preference in contracting, subcontracting, employment, and training shall apply not only on-site, on the reservation, or within the IHA's jurisdiction, but also to contracts with firms that operate outside these areas (e.g., employment in modular or manufactured housing construction facilities).

(j) Bidders should contact the IHA to determine if any additional local preference requirements are applicable to this solicitation.

(k) The IHA [] does [] does not [Contracting Officer check applicable box] maintain lists of Indian-owned economic enterprises and Indian organizations by specialty (e.g., plumbing, electrical, foundations), which are available to bidders to assist them in meeting their responsibility to provide preference in connection with the administration of contracts and subcontracts.



EXHIBIT B

Mailing Label

Use the label below on
package when returning
bid response.



IFB# 17-002 Residential Home Remodel

Bid Opening Date: Friday, May 5, 2017 at 12:00 p.m.

Bidder: _____

Return Bid To:

PINELLAS COUNTY HOUSING AUTHORITY

ATTN: RAY DIRUSSO, DIRECTOR OF COMPLIANCE

11479 ULMERTON ROAD

LARGO, FL 33778



EXHIBIT C

Bid Package Checklist



Bid Package Checklist

IFB# 16-012 Roof Replacement-Management Office Building at Rainbow Village Apartments

Business Name: _____

Business Address: _____

Bidders shall submit one unbound, clearly marked original, and one exact copy of its bid.

The following forms **MUST** be completed and submitted on or before bid opening time:

- _____ Mailing Label-to be placed on face of package (Exhibit B)
- _____ Bid Package Checklist (Exhibit C)
- _____ Bid Proposal Form (Exhibit D) **REQUIRED**
- _____ Bid Bond (original with raised seal) (Exhibit E) **REQUIRED**
- _____ Schedule of Values (Exhibit F) **REQUIRED**
- _____ Statement of Bidder's Qualifications [notarized] (Exhibit G) **REQUIRED**
- _____ HUD Form 5369-A, Representations, Certifications, and other Statement of Bidders, Public and Indian Housing Programs (Exhibit H) **REQUIRED**
- _____ Certification of Acceptance of HUD 5370-General Conditions for Construction Contracts, Public and Indian Housing Programs (Exhibit J) **REQUIRED**
- _____ Non-Collusive Affidavit of Contractor/Subcontractor [notarized] (Exhibit L) **REQUIRED**
- _____ Sworn Statement Pursuant to Sections 287.133(3)(a) Florida Statutes, on Public Entity Crimes [notarized] (Exhibit M) **REQUIRED**
- _____ Certification of Authorization to Execute Bid/Contract on Behalf of Company (Exhibit N) **REQUIRED**
- _____ Minority and/or Woman-Owned Business Certificate, if applicable (Exhibit O)
- _____ M/WBE Utilization Summary (Exhibit P) **REQUIRED**
- _____ Section 3 Opportunities Plan (Exhibit Q) **REQUIRED**
- _____ Listing of All Contracts from the Past Three (3) Years (Exhibit R) **REQUIRED**
- _____ Certificate of Liability Insurance **REQUIRED**
- _____ Copies of Appropriate Certificate(s)/License(s) **REQUIRED**
- _____ Acknowledgement of Receipt of Documents, if applicable

Failure to complete, sign where required, have notarized where required, and return the above bid documents with your bid may render it non-responsive.



EXHIBIT D

Bid Proposal Form

BID PROPOSAL FORM

DATE: _____

The Pinellas County Housing Authority

For: IFB# 17-002- Residential Home Remodel

To Whom It May Concern:

The undersigned, hereinafter called "Bidder," having visited the site of the proposed project and familiarized himself with the local conditions, nature and extent of the Work, and having examined carefully the Specifications, the Form of Agreement, and other Contract Documents and the requirements therein, proposes to furnish all labor, materials, equipment and other items, facilities, and services for the proper execution and completion of the Residential Home Remodel in full accordance with the Advertisement for Bid, Invitation to Bid, Instructions to Bidders, and all other documents relating thereto, on file in the office of the Pinellas County Housing Authority and, if awarded the Contract, to complete the said Work within the time limits specified or stipulated herein for the following Bid Price.

Total Bid Amount: \$ _____

Dollars: _____ **and** _____ **/ 100 Dollars**

The Bidder hereby agrees that:

1. The above proposal shall remain in full force and effect for a period of ninety (90) calendar days after the time and date of receipt of Bids and that this Bidder will not revoke or cancel this proposal or withdraw from competition within the said ninety (90) calendar days.
2. In case he be notified in writing by mail, telegraph, or delivery of the acceptance of this proposal within ninety (90) days after the time set for the opening of bids, the undersigned agrees to execute within ten (10) calendar days a formal written contract for the work for the above stated compensation and at the time to furnish and deliver to the Owner proof of insurance and any required bonding in accordance with the requirements of the Invitation for Bid.
3. The undersigned agrees to commence actual physical work on the site with an adequate work force and equipment within ten (10) calendar days of the date of receipt of written Notice to Commence and to fully complete all work within the

timeframes as prescribed in the Scope of Work as described in the IFB document.

*Addenda issued during the bidding period are hereby acknowledged.

*If this proposal is not accepted within ninety (90) days after the date set for the opening of bids, then this proposal will be null and void.

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

(The Bidder shall list all addenda)

ATTACHMENTS:

All documents attached herein shall be incorporated into the Bid Proposal Package; as per the requirements of **IFB# 17-002 Section H-1, Submission Requirements.**

LIQUIDATED DAMAGES-\$100.00 PER DAY

Note: The penalty for making false statements in offer is described in 18 U.S.C. 1001.

In witness whereof, the bidder has hereunto set this signature and affixed his seal this _____ day of _____, 2017.

(AFFIX CORPORATE SEAL IF BIDDER IS A CORPORATION)

BIDDER: _____
(Name)

BY: _____
(Name)

TITLE: _____

Witness (Secretary's Attest)
If Bidder is Corporation



EXHIBIT E

Bid Bond (Sample Form)

BID BOND

Bond No. _____

KNOW ALL BY THESE PRESENTS, that we _____
as Principal, hereinafter called the Principal, and _____
(Bonding Company) a corporation duly organized under the laws of the _____
(State) as Surety, hereinafter called the Surety, are held and firmly bound unto Pinellas
County Housing Authority (PCHA) for the sum of _____ **Dollars,**
(\$ _____) for the payment of which sum will and truly to be made, the
said Principal and the said Surety bind ourselves, our heirs, executors,
administrators, successors and assigns, jointly and severally, firmly by these
presents.

WHEREAS, the Principal has submitted a Bid for _____ .

NOW, THEREFORE, if the PCHA shall accept the bid of the Principal and the Principal
shall enter into a contract with the PCHA in accordance with the terms of such bid, and
give such bond or bonds as may be specified in the bidding or Contract documents with
good and sufficient surety for the faithful performance of such contract and for the
prompt payment of labor and materials furnished in the prosecution thereof, or in the
event of the failure of the Principal to enter such Contract and give such bond or bonds, if
the Principal shall pay to the PCHA the difference not to exceed the penalty hereof
between the amount specified in said bid and such larger amount for which the PCHA
may in good faith contract with another party to perform work covered by said bid or an
appropriate required amount as specified in the Invitation for Bids then this obligation
shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this _____ day of _____, 20__.

(Principal)

(Seal)

(Witness)

(Title)

(Witness)

(BONDING COMPANY)

BY _____
(Attorney-in-Fact)



EXHIBIT F

Schedule of Values

Schedule of Values

Project Name and Location		Project Number
Name, Address, and Zip Code of Contractor		
Nature of Contract		
Item No.	Description of Item	Subtotal
Total		

Choose from the item numbers listed below, as applicable to this project:

- 1 Bond
- 2 General Conditions
- 3 Electrical
- 4 Demolition & Clearing
- 5 Painting
- 6 Flooring
- 7 Roofing
- 8 Plumbing
- 9 HVAC
- 10 Permit
- 11 Mobilization
- 12 Paving/Striping/Signs
- 13 Landscaping
- 14 Irrigation
- 15 Other



EXHIBIT G

Statement of Bidder's Qualifications

STATEMENT OF BIDDER'S QUALIFICATIONS (Prime Contractor)

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, add separate sheets for items requiring additional explanation. This information may be submitted in a separate sealed envelope marked "Bidder's Qualifications" and inserted inside the sealed Bid Envelope. In the event your bid is not selected for award, this envelope will be returned to the Contractor unopened.

1. Name of Bidder
2. Permanent main office address
3. Date organized
4. State of incorporation
5. How many years have you been engaged in the contracting business under your present firm name?
6. Listing of current contracts: (Schedule these, showing nature of the work, gross amount of each contract, anticipated dates for completion, name and telephone number of owner's representative)
7. General character of work usually performed by your company
8. Have you ever failed to complete any work awarded to you? If 'yes', where and why?
9. Have you ever defaulted on a contract? If 'yes', where and why?
10. List the three (3) most important structures recently completed by your company, stating approximate cost of each, month and year completed, name and telephone number of owner's representative.
11. List your major equipment available for use on this contract
12. Experience in construction work similar in importance to this project
13. Background and experience of the principal members of your firm, including the officers and proposed construction superintendent
14. Credit available for administration of this contract; furnish written evidence
15. Proof of Florida License

- 16. Audited financial report not more than twelve (12) months old (including a balance sheet and invoice statement)
- 17. Will you, upon request, fill out a detailed financial statement and furnish any other information that may be required to the Pinellas County Housing Authority?
- 18. The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the Pinellas County Housing Authority in verification of the recitals comprising the Statement of Bidder's Qualifications.

Dated at _____ this _____ day of _____, 2____.

(Name of Bidder)

By _____

Title _____

_____, being duly sworn deposes and says that he is _____ of _____

and that he answers to the foregoing questions and all statements therein contained are true and correct.

STATE OF FLORIDA
COUNTY OF _____

Sworn to (or affirmed) and subscribed before me this _____ day of _____, 2____,

by _____
Name of Person Making Statement

Signature of Notary Public

(NOTARY SEAL)

(Name of Notary Typed, Printed or Stamped)

My Commission Expires _____

Personally Known _____ OR Produced Identification _____

Type of Identification Produced _____

(Bidder may submit additional information if desired.)

Name of Firm: _____

BALANCE SHEET

AS OF _____

ASSETS

CURRENT ASSETS

Cash
Joint Venture Accounts
Accounts Receivable
Notes Receivable
Accrued Interest on Notes
Deposits
Materials and Prepaid Expense
Total Current Assets

FIXED ASSETS – NET

OTHER ASSETS

TOTAL ASSETS

=====

LIABILITIES AND CAPITAL

CURRENT LIABILITIES

Accounts Payable
Notes Payable
Accrued Interest on Notes
Provision for Income Taxes
Advances Received from Owners
Accrued Salaries
Accrued Payroll Taxes
Other

TOTAL CURRENT LIABILITIES

=====

OTHER LIABILITIES

CAPITAL

Capital Stock
Authorized and Outstanding Shares,
Par Value
Earned Surplus

TOTAL CAPITAL

=====

TOTAL LIABILITIES AND CAPITAL

=====



EXHIBIT H

**Form HUD 5369-A, Representations, Certifications, and
Other Statements of Bidders, Public and Indian Housing Programs**

**U.S. Department of Housing
and Urban Development**
Office of Public and Indian Housing

**Representations, Certifications,
and Other Statements of Bidders**
Public and Indian Housing Programs

Representations, Certifications, and Other Statements of Bidders

Public and Indian Housing Programs

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1. Certificate of Independent Price Determination

(a) The bidder certifies that--

(1) The prices in this bid have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other bidder or competitor relating to (i) those prices, (ii) the intention to submit a bid, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this bid have not been and will not be knowingly disclosed by the bidder, directly or indirectly, to any other bidder or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a competitive proposal solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the bidder to induce any other concern to submit or not to submit a bid for the purpose of restricting competition.

(b) Each signature on the bid is considered to be a certification by the signatory that the signatory--

(1) Is the person in the bidder's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

_____ [insert full name of person(s) in the bidder's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the bidder's organization];

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the bidder deletes or modifies subparagraph (a)2 above, the bidder must furnish with its bid a signed statement setting forth in detail the circumstances of the disclosure.

[X] [Contracting Officer check if following paragraph is applicable]

(d) Non-collusive affidavit. (applicable to contracts for construction and equipment exceeding \$50,000)

(1) Each bidder shall execute, in the form provided by the PHA/IHA, an affidavit to the effect that he/she has not colluded with any other person, firm or corporation in regard to any bid submitted in response to this solicitation. If the successful bidder did not submit the affidavit with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the affidavit by that date may render the bid nonresponsive. No contract award will be made without a properly executed affidavit.

(2) A fully executed "Non-collusive Affidavit" is, is not included with the bid.

2. Contingent Fee Representation and Agreement

(a) Definitions. As used in this provision:

"Bona fide employee" means a person, employed by a bidder and subject to the bidder's supervision and control as to time, place, and manner of performance, who neither exerts, nor proposes to exert improper influence to solicit or obtain contracts nor holds out as being able to obtain any contract(s) through improper influence.

"Improper influence" means any influence that induces or tends to induce a PHA/IHA employee or officer to give consideration or to act regarding a PHA/IHA contract on any basis other than the merits of the matter.

(b) The bidder represents and certifies as part of its bid that, except for full-time bona fide employees working solely for the bidder, the bidder:

(1) has, has not employed or retained any person or company to solicit or obtain this contract; and

(2) has, has not paid or agreed to pay to any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

(c) If the answer to either (a)(1) or (a)(2) above is affirmative, the bidder shall make an immediate and full written disclosure to the PHA/IHA Contracting Officer.

(d) Any misrepresentation by the bidder shall give the PHA/IHA the right to (1) terminate the contract; (2) at its discretion, deduct from contract payments the amount of any commission, percentage, brokerage, or other contingent fee; or (3) take other remedy pursuant to the contract.

3. Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (applicable to contracts exceeding \$100,000)

(a) The definitions and prohibitions contained in Section 1352 of title 31, United States Code, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The bidder, by signing its bid, hereby certifies to the best of his or her knowledge and belief as of December 23, 1989 that:

(1) No 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 on his or her behalf in connection with the awarding of a contract resulting from this solicitation;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) 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 on his or her behalf in connection with this solicitation, the bidder shall complete and submit, with its bid, OMB standard form LLL, "Disclosure of Lobbying Activities;" and

(3) He or she will include the language of this certification in all subcontracts at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

(d) Indian tribes (except those chartered by States) and Indian organizations as defined in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) are exempt from the requirements of this provision.

4. Organizational Conflicts of Interest Certification

The bidder certifies that to the best of its knowledge and belief and except as otherwise disclosed, he or she does not have any organizational conflict of interest which is defined as a situation in which the nature of work to be performed under this proposed contract and the bidder's organizational, financial, contractual, or other interests may, without some restriction on future activities:

- (a) Result in an unfair competitive advantage to the bidder; or,
- (b) Impair the bidder's objectivity in performing the contract work.

In the absence of any actual or apparent conflict, I hereby certify that to the best of my knowledge and belief, no actual or apparent conflict of interest exists with regard to my possible performance of this procurement.

5. Bidder's Certification of Eligibility

(a) By the submission of this bid, the bidder certifies that to the best of its knowledge and belief, neither it, nor any person or firm which has an interest in the bidder's firm, nor any of the bidder's subcontractors, is ineligible to:

(1) Be awarded contracts by any agency of the United States Government, HUD, or the State in which this contract is to be performed; or,

(2) Participate in HUD programs pursuant to 24 CFR Part 24.

(b) The certification in paragraph (a) above is a material representation of fact upon which reliance was placed when making award. If it is later determined that the bidder knowingly rendered an erroneous certification, the contract may be terminated for default, and the bidder may be debarred or suspended from participation in HUD programs and other Federal contract programs.

6. Minimum Bid Acceptance Period

(a) "Acceptance period," as used in this provision, means the number of calendar days available to the PHA/IHA for awarding a contract from the date specified in this solicitation for receipt of bids.

(b) This provision supersedes any language pertaining to the acceptance period that may appear elsewhere in this solicitation.

(c) The PHA/IHA requires a minimum acceptance period of [Contracting Officer insert time period] calendar days.

(d) In the space provided immediately below, bidders may specify a longer acceptance period than the PHA's/IHA's minimum requirement. The bidder allows the following acceptance period: calendar days.

(e) A bid allowing less than the PHA's/IHA's minimum acceptance period will be rejected.

(f) The bidder agrees to execute all that it has undertaken to do, in compliance with its bid, if that bid is accepted in writing within (1) the acceptance period stated in paragraph (c) above or (2) any longer acceptance period stated in paragraph (d) above.

7. Small, Minority, Women-Owned Business Concern Representation

The bidder represents and certifies as part of its bid/ offer that it --

(a) is, is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) is, is not a women-owned business enterprise. "Women-owned business enterprise," as used in this provision, means a business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) is, is not a minority business enterprise. "Minority business enterprise," as used in this provision, means a business which is at least 51 percent owned or controlled by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)

- | | |
|---|---|
| <input type="checkbox"/> Black Americans | <input type="checkbox"/> Asian Pacific Americans |
| <input type="checkbox"/> Hispanic Americans | <input type="checkbox"/> Asian Indian Americans |
| <input type="checkbox"/> Native Americans | <input type="checkbox"/> Hasidic Jewish Americans |

8. Indian-Owned Economic Enterprise and Indian Organization Representation (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)

The bidder represents and certifies that it:

(a) is, is not an Indian-owned economic enterprise. "Economic enterprise," as used in this provision, means any commercial, industrial, or business activity established or organized for the purpose of profit, which is at least 51 percent Indian owned. "Indian," as used in this provision, means any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act.

(b) is, is not an Indian organization. "Indian organization," as used in this provision, means the governing body of any Indian tribe or entity established or recognized by such governing body. Indian "tribe" means any Indian tribe, band, group, pueblo, or

community including Native villages and Native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

9. Certification of Eligibility Under the Davis-Bacon Act (applicable to construction contracts exceeding \$2,000)

(a) By the submission of this bid, the bidder certifies that neither it nor any person or firm who has an interest in the bidder's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of the contract resulting from this solicitation shall be subcontracted to any person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(c) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

10. Certification of Nonsegregated Facilities (applicable to contracts exceeding \$10,000)

(a) The bidder's attention is called to the clause entitled **Equal Employment Opportunity** of the General Conditions of the Contract for Construction.

(b) "Segregated facilities," as used in this provision, 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, or national origin because of habit, local custom, or otherwise.

(c) By the submission of this bid, the bidder certifies 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 bidder agrees that a breach of this certification is a violation of the Equal Employment Opportunity clause in the contract.

(d) The bidder further agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) prior to entering into subcontracts which exceed \$10,000 and are not exempt from the requirements of the Equal Employment Opportunity clause, it will:

- (1) Obtain identical certifications from the proposed subcontractors;
- (2) Retain the certifications in its files; and
- (3) Forward the following notice to the proposed subcontractors (except if the proposed subcontractors have submitted identical certifications for specific time periods):

Notice to Prospective Subcontractors of Requirement for Certifications of Nonsegregated Facilities

A Certification of Nonsegregated Facilities must be submitted before the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Employment Opportunity clause of the prime contract. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

Note: The penalty for making false statements in bids is prescribed in 18 U.S.C. 1001.

11. Clean Air and Water Certification (applicable to contracts exceeding \$100,000)

The bidder certifies that:

(a) Any facility to be used in the performance of this contract is, is not listed on the Environmental Protection Agency List of Violating Facilities:

(b) The bidder will immediately notify the PHA/IHA Contracting Officer, before award, of the receipt of any communication from the Administrator, or a designee, of the Environmental Protection Agency, indicating that any facility that the bidder proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities; and,

(c) The bidder will include a certification substantially the same as this certification, including this paragraph (c), in every nonexempt subcontract.

12. Previous Participation Certificate (applicable to construction and equipment contracts exceeding \$50,000)

(a) The bidder shall complete and submit with his/her bid the Form HUD-2530, "Previous Participation Certificate." If the successful bidder does not submit the certificate with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the certificate by that date may render the bid nonresponsive. No contract award will be made without a properly executed certificate.

(b) A fully executed "Previous Participation Certificate" is, is not included with the bid.

13. Bidder's Signature

The bidder hereby certifies that the information contained in these certifications and representations is accurate, complete, and current.

(Signature and Date)

(Typed or Printed Name)

(Title)

(Company Name)

(Company Address)



EXHIBIT I

**Form HUD 5370 General Conditions for Construction Contracts-
Public Housing Programs**

General Conditions for Construction Contracts - Public Housing Programs

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing
OMB Approval No. 2577-0157 (exp. 1/31/2017)

Applicability. This form is applicable to any construction/development contract greater than \$100,000.

This form includes those clauses required by OMB's common rule on grantee procurement, implemented at HUD in 24 CFR 85.36, and those requirements set forth in Section 3 of the Housing and Urban Development Act of 1968 and its amendment by the Housing and Community Development Act of 1992, implemented by HUD at 24 CFR Part 135. The form is required for construction contracts awarded by Public Housing Agencies (PHAs).

The form is used by Housing Authorities in solicitations to provide necessary contract clauses. If the form were not used, HAs would be unable to enforce their contracts.

Public reporting burden for this collection of information is estimated to average 1.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Responses to the collection of information are required to obtain a benefit or to retain a benefit.

The information requested does not lend itself to confidentiality.

HUD may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB number.

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1. Definitions

- (a) "Architect" means the person or other entity engaged by the PHA to perform architectural, engineering, design, and other services related to the work as provided for in the contract. When a PHA uses an engineer to act in this capacity, the terms "architect" and "engineer" shall be synonymous. The Architect shall serve as a technical representative of the Contracting Officer. The Architect's authority is as set forth elsewhere in this contract.
 - (b) "Contract" means the contract entered into between the PHA and the Contractor. It includes the forms of Bid, the Bid Bond, the Performance and Payment Bond or Bonds or other assurance of completion, the Certifications, Representations, and Other Statements of Bidders (form HUD-5370), these General Conditions of the Contract for Construction (form HUD-5370), the applicable wage rate determinations from the U.S. Department of Labor, any special conditions included elsewhere in the contract, the specifications, and drawings. It includes all formal changes to any of those documents by addendum, change order, or other modification.
 - (c) "Contracting Officer" means the person delegated the authority by the PHA to enter into, administer, and/or terminate this contract and designated as such in writing to the Contractor. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer also designated in writing. The Contracting Officer shall be deemed the authorized agent of the PHA in all dealings with the Contractor.
 - (d) "Contractor" means the person or other entity entering into the contract with the PHA to perform all of the work required under the contract.
 - (e) "Drawings" means the drawings enumerated in the schedule of drawings contained in the Specifications and as described in the contract clause entitled Specifications and Drawings for Construction herein.
 - (f) "HUD" means the United States of America acting through the Department of Housing and Urban Development including the Secretary, or any other person designated to act on its behalf. HUD has agreed, subject to the provisions of an Annual Contributions Contract (ACC), to provide financial assistance to the PHA, which includes assistance in financing the work to be performed under this contract. As defined elsewhere in these General Conditions or the contract documents, the determination of HUD may be required to authorize changes in the work or for release of funds to the PHA for payment to the Contractor. Notwithstanding HUD's role, nothing in this contract shall be construed to create any contractual relationship between the Contractor and HUD.
 - (g) "Project" means the entire project, whether construction or rehabilitation, the work for which is provided for in whole or in part under this contract.
 - (h) "PHA" means the Public Housing Agency organized under applicable state laws which is a party to this contract.
 - (j) "Specifications" means the written description of the technical requirements for construction and includes the criteria and tests for determining whether the requirements are met.
 - (l) "Work" means materials, workmanship, and manufacture and fabrication of components.
- (a) The Contractor shall furnish all necessary labor, materials, tools, equipment, and transportation necessary for performance of the work. The Contractor shall also furnish all necessary water, heat, light, and power not made available to the Contractor by the PHA pursuant to the clause entitled Availability and Use of Utility Services herein.
 - (b) The Contractor shall perform on the site, and with its own organization, work equivalent to at least [] (12 percent unless otherwise indicated) of the total amount of work to be performed under the order. This percentage may be reduced by a supplemental agreement to this order if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the PHA.
 - (c) At all times during performance of this contract and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the work site a competent superintendent who is satisfactory to the Contracting Officer and has authority to act for the Contractor.
 - (d) The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, and shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others. The Contractor shall hold and save the PHA, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.
 - (e) The Contractor shall lay out the work from base lines and bench marks indicated on the drawings and be responsible for all lines, levels, and measurements of all work executed under the contract. The Contractor shall verify the figures before laying out the work and will be held responsible for any error resulting from its failure to do so.
 - (f) The Contractor shall confine all operations (including storage of materials) on PHA premises to areas authorized or approved by the Contracting Officer.
 - (g) The Contractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. After completing the work and before final inspection, the Contractor shall (1) remove from the premises all scaffolding, equipment, tools, and materials (including rejected materials) that are not the property of the PHA and all rubbish caused by its work; (2) leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer; (3) perform all specified tests; and, (4) deliver the installation in complete and operating condition.
 - (h) The Contractor's responsibility will terminate when all work has been completed, the final inspection made, and the work accepted by the Contracting Officer. The Contractor will then be released from further obligation except as required by the warranties specified elsewhere in the contract.

3. Architect's Duties, Responsibilities, and Authority

- (a) The Architect for this contract, and any successor, shall be designated in writing by the Contracting Officer.

2. Contractor's Responsibility for Work

- (b) The Architect shall serve as the Contracting Officer's technical representative with respect to architectural, engineering, and design matters related to the work performed under the contract. The Architect may provide direction on contract performance. Such direction shall be within the scope of the contract and may not be of a nature which: (1) institutes additional work outside the scope of the contract; (2) constitutes a change as defined in the Changes clause herein; (3) causes an increase or decrease in the cost of the contract; (4) alters the Construction Progress Schedule; or (5) changes any of the other express terms or conditions of the contract.
- (c) The Architect's duties and responsibilities may include but shall not be limited to:
- (1) Making periodic visits to the work site, and on the basis of his/her on-site inspections, issuing written reports to the PHA which shall include all observed deficiencies. The Architect shall file a copy of the report with the Contractor's designated representative at the site;
 - (2) Making modifications in drawings and technical specifications and assisting the Contracting Officer in the preparation of change orders and other contract modifications for issuance by the Contracting Officer;
 - (3) Reviewing and making recommendations with respect to - (i) the Contractor's construction progress schedules; (ii) the Contractor's shop and detailed drawings; (iii) the machinery, mechanical and other equipment and materials or other articles proposed for use by the Contractor; and, (iv) the Contractor's price breakdown and progress payment estimates; and,
 - (4) Assisting in inspections, signing Certificates of Completion, and making recommendations with respect to acceptance of work completed under the contract.

4. Other Contracts

The PHA may undertake or award other contracts for additional work at or near the site of the work under this contract. The Contractor shall fully cooperate with the other contractors and with PHA employees and shall carefully adapt scheduling and performing the work under this contract to accommodate the additional work, heeding any direction that may be provided by the Contracting Officer. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by PHA employees

Construction Requirements

5. Pre-construction Conference and Notice to Proceed

- (a) Within ten calendar days of contract execution, and prior to the commencement of work, the Contractor shall attend a preconstruction conference with representatives of the PHA, its Architect, and other interested parties convened by the PHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract. The PHA will provide the Contractor with the date, time, and place of the conference.
- (b) The contractor shall begin work upon receipt of a written Notice to Proceed from the Contracting Officer or designee. The Contractor shall not begin work prior to receiving such notice.

6. Construction Progress Schedule

- (a) The Contractor shall, within five days after the work commences on the contract or another period of time determined by the Contracting Officer, prepare and submit to the Contracting Officer for approval three copies of a practicable schedule showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the several salient features of the work (including acquiring labor, materials, and equipment). The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments or take other remedies under the contract until the Contractor submits the required schedule.
- (b) The Contractor shall enter the actual progress on the chart as required by the Contracting Officer, and immediately deliver three copies of the annotated schedule to the Contracting Officer. If the Contracting Officer determines, upon the basis of inspection conducted pursuant to the clause entitled Inspection and Acceptance of Construction, herein that the Contractor is not meeting the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the Contracting Officer, without additional cost to the PHA. In this circumstance, the Contracting Officer may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant, and to submit for approval any supplementary schedule or schedules in chart form as the Contracting Officer deems necessary to demonstrate how the approved rate of progress will be regained.
- (c) Failure of the Contractor to comply with the requirements of the Contracting Officer under this clause shall be grounds for a determination by the Contracting Officer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the Contract. Upon making this determination, the Contracting Officer may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the Default clause of this contract.

7. Site Investigation and Conditions Affecting the Work

- (a) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the work or its cost, including but not limited to, (1) conditions bearing upon transportation, disposal, handling, and storage of materials; (2) the availability of labor, water, electric power, and roads; (3) uncertainties of weather, river stages, tides, or similar physical conditions at the site; (4) the conformation and conditions of the ground; and (5) the character of equipment and facilities needed preliminary to and during work performance. The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is

reasonably ascertainable from an inspection of the site, including all exploratory work done by the PHA, as well as from the drawings and specifications made a part of this contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the PHA.

- (b) The PHA assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the PHA. Nor does the PHA assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract.

8. Differing Site Conditions

- (a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of (1) subsurface or latent physical conditions at the site which differ materially from those indicated in this contract, or (2) unknown physical conditions at the site(s), of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the contract.
- (b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. Work shall not proceed at the affected site, except at the Contractor's risk, until the Contracting Officer has provided written instructions to the Contractor. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, the Contractor shall file a claim in writing to the PHA within ten days after receipt of such instructions and, in any event, before proceeding with the work. An equitable adjustment in the contract price, the delivery schedule, or both shall be made under this clause and the contract modified in writing accordingly.
- (c) No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required; provided, that the time prescribed in (a) above for giving written notice may be extended by the Contracting Officer.
- (d) No request by the Contractor for an equitable adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

9. Specifications and Drawings for Construction

- (a) The Contractor shall keep on the work site a copy of the drawings and specifications and shall at all times give the Contracting Officer access thereto. Anything mentioned in the specifications and not shown on the drawings, or shown on the drawings and not mentioned in the specifications, shall be of like effect as if shown or mentioned in both. In case of difference between drawings and specifications, the specifications shall govern. In case of discrepancy in the figures, in the drawings, or in the specifications, the matter shall be

promptly submitted to the Contracting Officer, who shall promptly make a determination in writing. Any adjustment by the Contractor without such a determination shall be at its own risk and expense. The Contracting Officer shall furnish from time to time such detailed drawings and other information as considered necessary, unless otherwise provided.

- (b) Wherever in the specifications or upon the drawings the words "directed", "required", "ordered", "designated", "prescribed", or words of like import are used, it shall be understood that the "direction", "requirement", "order", "designation", or "prescription", of the Contracting Officer is intended and similarly the words "approved", "acceptable", "satisfactory", or words of like import shall mean "approved by", or "acceptable to", or "satisfactory to" the Contracting Officer, unless otherwise expressly stated.
- (c) Where "shown" "indicated", "detailed", or words of similar import are used, it shall be understood that the reference is made to the drawings accompanying this contract unless stated otherwise. The word "provided" as used herein shall be understood to mean "provide complete in place" that is "furnished and installed".
- (d) "Shop drawings" means drawings, submitted to the PHA by the Contractor, subcontractor, or any lower tier subcontractor, showing in detail (1) the proposed fabrication and assembly of structural elements and (2) the installation (i.e., form, fit, and attachment details) of materials of equipment. It includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the contract. The PHA may duplicate, use, and disclose in any manner and for any purpose shop drawings delivered under this contract.
- (e) If this contract requires shop drawings, the Contractor shall coordinate all such drawings, and review them for accuracy, completeness, and compliance with other contract requirements and shall indicate its approval thereon as evidence of such coordination and review. Shop drawings submitted to the Contracting Officer without evidence of the Contractor's approval may be returned for resubmission. The Contracting Officer will indicate an approval or disapproval of the shop drawings and if not approved as submitted shall indicate the PHA's reasons therefore. Any work done before such approval shall be at the Contractor's risk. Approval by the Contracting Officer shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract, except with respect to variations described and approved in accordance with (f) below.
- (f) If shop drawings show variations from the contract requirements, the Contractor shall describe such variations in writing, separate from the drawings, at the time of submission. If the Architect approves any such variation and the Contracting Officer concurs, the Contracting Officer shall issue an appropriate modification to the contract, except that, if the variation is minor or does not involve a change in price or in time of performance, a modification need not be issued.
- (g) It shall be the responsibility of the Contractor to make timely requests of the PHA for such large scale and full size drawings, color schemes, and other additional information, not already in his possession, which shall be

required in the planning and production of the work. Such requests may be submitted as the need arises, but each such request shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay.

- (h) The Contractor shall submit to the Contracting Officer for approval four copies (unless otherwise indicated) of all shop drawings as called for under the various headings of these specifications. Three sets (unless otherwise indicated) of all shop drawings, will be retained by the PHA and one set will be returned to the Contractor. As required by the Contracting Officer, the Contractor, upon completing the work under this contract, shall furnish a complete set of all shop drawings as finally approved. These drawings shall show all changes and revisions made up to the time the work is completed and accepted.
- (i) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all shop drawings prepared by subcontractors are submitted to the Contracting Officer.

10. As-Built Drawings

- (a) "As-built drawings," as used in this clause, means drawings submitted by the Contractor or subcontractor at any tier to show the construction of a particular structure or work as actually completed under the contract. "As-built drawings" shall be synonymous with "Record drawings."
- (b) As required by the Contracting Officer, the Contractor shall provide the Contracting Officer accurate information to be used in the preparation of permanent as-built drawings. For this purpose, the Contractor shall record on one set of contract drawings all changes from the installations originally indicated, and record final locations of underground lines by depth from finish grade and by accurate horizontal offset distances to permanent surface improvements such as buildings, curbs, or edges of walks.
- (c) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all as-built drawings prepared by subcontractors are submitted to the Contracting Officer.

11. Material and Workmanship

- (a) All equipment, material, and articles furnished under this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the contract to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of, and as approved by the Contracting Officer, is equal to that named in the specifications, unless otherwise specifically provided in this contract.
- (b) Approval of equipment and materials.
 - (1) The Contractor shall obtain the Contracting Officer's approval of the machinery and mechanical and other equipment to be incorporated into the work. When requesting approval, the Contractor shall furnish to the Contracting Officer the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the

machinery and mechanical and other equipment. When required by this contract or by the Contracting Officer, the Contractor shall also obtain the Contracting Officer's approval of the material or articles which the Contractor contemplates incorporating into the work. When requesting approval, the Contractor shall provide full information concerning the material or articles. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

- (2) When required by the specifications or the Contracting Officer, the Contractor shall submit appropriately marked samples (and certificates related to them) for approval at the Contractor's expense, with all shipping charges prepaid. The Contractor shall label, or otherwise properly mark on the container, the material or product represented, its place of origin, the name of the producer, the Contractor's name, and the identification of the construction project for which the material or product is intended to be used.
- (3) Certificates shall be submitted in triplicate, describing each sample submitted for approval and certifying that the material, equipment or accessory complies with contract requirements. The certificates shall include the name and brand of the product, name of manufacturer, and the location where produced.
- (4) Approval of a sample shall not constitute a waiver of the PHA right to demand full compliance with contract requirements. Materials, equipment and accessories may be rejected for cause even though samples have been approved.
- (5) Wherever materials are required to comply with recognized standards or specifications, such specifications shall be accepted as establishing the technical qualities and testing methods, but shall not govern the number of tests required to be made nor modify other contract requirements. The Contracting Officer may require laboratory test reports on items submitted for approval or may approve materials on the basis of data submitted in certificates with samples. Check tests will be made on materials delivered for use only as frequently as the Contracting Officer determines necessary to insure compliance of materials with the specifications. The Contractor will assume all costs of retesting materials which fail to meet contract requirements and/or testing materials offered in substitution for those found deficient.
- (6) After approval, samples will be kept in the Project office until completion of work. They may be built into the work after a substantial quantity of the materials they represent has been built in and accepted.
- (c) Requirements concerning lead-based paint. The Contractor shall comply with the requirements concerning lead-based paint contained in the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846) as implemented by 24 CFR Part 35.

12. Permits and Codes

- (a) The Contractor shall give all notices and comply with all applicable laws, ordinances, codes, rules and regulations. Notwithstanding the requirement of the Contractor to comply with the drawings and specifications in the contract, all work installed shall comply with all applicable codes and regulations as amended by any

waivers. Before installing the work, the Contractor shall examine the drawings and the specifications for compliance with applicable codes and regulations bearing on the work and shall immediately report any discrepancy it may discover to the Contracting Officer. Where the requirements of the drawings and specifications fail to comply with the applicable code or regulation, the Contracting Officer shall modify the contract by change order pursuant to the clause entitled Changes herein to conform to the code or regulation.

- (b) The Contractor shall secure and pay for all permits, fees, and licenses necessary for the proper execution and completion of the work. Where the PHA can arrange for the issuance of all or part of these permits, fees and licenses, without cost to the Contractor, the contract amount shall be reduced accordingly.

13. Health, Safety, and Accident Prevention

(a) In performing this contract, the Contractor shall:

- (1) Ensure that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health and/or safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation;
- (2) Protect the lives, health, and safety of other persons;
- (3) Prevent damage to property, materials, supplies, and equipment; and,
- (4) Avoid work interruptions.

(b) For these purposes, the Contractor shall:

- (1) Comply with regulations and standards issued by the Secretary of Labor at 29 CFR Part 1926. Failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96), 40 U.S.C. 3701 et seq.; and
- (2) Include the terms of this clause in every subcontract so that such terms will be binding on each subcontractor.

(c) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment, and shall report this data in the manner prescribed by 29 CFR Part 1904.

(d) The Contracting Officer shall notify the Contractor of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.

(e) The Contractor shall be responsible for its subcontractors' compliance with the provisions of this clause. The Contractor shall take such action with respect to any subcontract as the PHA, the Secretary of Housing and Urban Development, or the Secretary of Labor shall direct as a means of enforcing such provisions.

14. Temporary Heating

The Contractor shall provide and pay for temporary heating, covering, and enclosures necessary to properly protect all work and materials against damage by dampness and cold, to dry out the work, and to facilitate the completion of the work. Any permanent heating equipment used shall be turned over to the PHA in the condition and at the time required by the specifications.

15. Availability and Use of Utility Services

- (a) The PHA shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract. Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the Contractor at prevailing rates charged to the PHA or, where the utility is produced by the PHA, at reasonable rates determined by the Contracting Officer. The Contractor shall carefully conserve any utilities furnished without charge.
- (b) The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by the PHA, the Contractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.

16. Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements

- (a) The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed under this contract, and which do not unreasonably interfere with the work required under this contract.
- (b) The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during performance of this contract, or by the careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contracting Officer.
- (c) The Contractor shall protect from damage all existing improvements and utilities (1) at or near the work site and (2) on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. Prior to disturbing the ground at the construction site, the Contractor shall ensure that all underground utility lines are clearly marked.
- (d) The Contractor shall shore up, brace, underpin, secure, and protect as necessary all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be affected by the excavations or other operations connected with the construction of the project.
- (e) Any equipment temporarily removed as a result of work under this contract shall be protected, cleaned, and replaced in the same condition as at the time of award of this contract.

- (f) New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the specifications.
- (g) No structural members shall be altered or in any way weakened without the written authorization of the Contracting Officer, unless such work is clearly specified in the plans or specifications.
- (h) If the removal of the existing work exposes discolored or unfinished surfaces, or work out of alignment, such surfaces shall be refinished, or the material replaced as necessary to make the continuous work uniform and harmonious. This, however, shall not be construed to require the refinishing or reconstruction of dissimilar finishes previously exposed, or finished surfaces in good condition, but in different planes or on different levels when brought together by the removal of intervening work, unless such refinishing or reconstruction is specified in the plans or specifications.
- (i) The Contractor shall give all required notices to any adjoining or adjacent property owner or other party before the commencement of any work.
- (j) The Contractor shall indemnify and save harmless the PHA from any damages on account of settlement or the loss of lateral support of adjoining property, any damages from changes in topography affecting drainage, and from all loss or expense and all damages for which the PHA may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises.
- (k) The Contractor shall repair any damage to vegetation, structures, equipment, utilities, or improvements, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

17. Temporary Buildings and Transportation of Materials

- (a) Temporary buildings (e.g., storage sheds, shops, offices, sanitary facilities) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the PHA. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed.
- (b) The Contractor shall, as directed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any federal, state, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.

18. Clean Air and Water

The contractor shall comply with the Clean Air Act, as amended, 42 USC 7401 et seq., the Federal Water Pollution Control Water Act, as amended, 33 U.S.C. 1251 et seq., and standards issued pursuant thereto in the facilities in which this contract is to be performed.

19. Energy Efficiency

The Contractor shall comply with mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under the contract is performed.

20. Inspection and Acceptance of Construction

- (a) Definitions. As used in this clause -
 - (1) "Acceptance" means the act of an authorized representative of the PHA by which the PHA approves and assumes ownership of the work performed under this contract. Acceptance may be partial or complete.
 - (2) "Inspection" means examining and testing the work performed under the contract (including, when appropriate, raw materials, equipment, components, and intermediate assemblies) to determine whether it conforms to contract requirements.
 - (3) "Testing" means that element of inspection that determines the properties or elements, including functional operation of materials, equipment, or their components, by the application of established scientific principles and procedures.
- (b) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the contract conforms to contract requirements. All work is subject to PHA inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.
- (c) PHA inspections and tests are for the sole benefit of the PHA and do not: (1) relieve the Contractor of responsibility for providing adequate quality control measures; (2) relieve the Contractor of responsibility for loss or damage of the material before acceptance; (3) constitute or imply acceptance; or, (4) affect the continuing rights of the PHA after acceptance of the completed work under paragraph (j) below.
- (d) The presence or absence of the PHA inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specifications without the Contracting Officer's written authorization. All instructions and approvals with respect to the work shall be given to the Contractor by the Contracting Officer.
- (e) The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The PHA may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The PHA shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.

- (f) The PHA may conduct routine inspections of the construction site on a daily basis.
- (g) The Contractor shall, without charge, replace or correct work found by the PHA not to conform to contract requirements, unless the PHA decides that it is in its interest to accept the work with an appropriate adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.
- (h) If the Contractor does not promptly replace or correct rejected work, the PHA may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor, or (2) terminate for default the Contractor's right to proceed.
- (i) If any work requiring inspection is covered up without approval of the PHA, it must, if requested by the Contracting Officer, be uncovered at the expense of the Contractor. If at any time before final acceptance of the entire work, the PHA considers it necessary or advisable, to examine work already completed by removing or tearing it out, the Contractor, shall on request, promptly furnish all necessary facilities, labor, and material. If such work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray all the expenses of the examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the contract, the Contracting Officer shall make an equitable adjustment to cover the cost of the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.
- (j) The Contractor shall notify the Contracting Officer, in writing, as to the date when in its opinion all or a designated portion of the work will be substantially completed and ready for inspection. If the Architect determines that the state of preparedness is as represented, the PHA will promptly arrange for the inspection. Unless otherwise specified in the contract, the PHA shall accept, as soon as practicable after completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines and designates can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the PHA's right under any warranty or guarantee.

21. Use and Possession Prior to Completion

- (a) The PHA shall have the right to take possession of or use any completed or partially completed part of the work. Before taking possession of or using any work, the Contracting Officer shall furnish the Contractor a list of items of work remaining to be performed or corrected on those portions of the work that the PHA intends to take possession of or use. However, failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The PHA's possession or use shall not be deemed an acceptance of any work under the contract.
- (b) While the PHA has such possession or use, the Contractor shall be relieved of the responsibility for (1) the loss of or damage to the work resulting from the PHA's possession or use, notwithstanding the terms of the clause entitled Permits and Codes herein; (2) all maintenance costs on the areas occupied; and, (3) furnishing heat, light, power, and water used in the areas

occupied without proper remuneration therefore. If prior possession or use by the PHA delays the progress of the work or causes additional expense to the Contractor, an equitable adjustment shall be made in the contract price or the time of completion, and the contract shall be modified in writing accordingly.

22. Warranty of Title

The Contractor warrants good title to all materials, supplies, and equipment incorporated in the work and agrees to deliver the premises together with all improvements thereon free from any claims, liens or charges, and agrees further that neither it nor any other person, firm or corporation shall have any right to a lien upon the premises or anything appurtenant thereto.

23. Warranty of Construction

- (a) In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph (j) of this clause, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall continue for a period of _____ (one year unless otherwise indicated) from the date of final acceptance of the work. If the PHA takes possession of any part of the work before final acceptance, this warranty shall continue for a period of (one year unless otherwise indicated) from the date that the PHA takes possession.
- (b) The Contractor shall remedy, at the Contractor's expense, any failure to conform, or any defect. In addition, the Contractor shall remedy, at the Contractor's expense, any damage to PHA-owned or controlled real or personal property when the damage is the result of—
 - (1) The Contractor's failure to conform to contract requirements; or
 - (2) Any defects of equipment, material, workmanship or design furnished by the Contractor.
- (c) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for (one year unless otherwise indicated) from the date of repair or replacement.
- (d) The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect or damage.
- (e) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the PHA shall have the right to replace, repair or otherwise remedy the failure, defect, or damage at the Contractor's expense.
- (f) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall:
 - (1) Obtain all warranties that would be given in normal commercial practice;
 - (2) Require all warranties to be executed in writing, for the benefit of the PHA; and,
 - (3) Enforce all warranties for the benefit of the PHA.
- (g) In the event the Contractor's warranty under paragraph (a) of this clause has expired, the PHA may bring suit at its own expense to enforce a subcontractor's, manufacturer's or supplier's warranty.

- (h) Unless a defect is caused by the negligence of the Contractor or subcontractor or supplier at any tier, the Contractor shall not be liable for the repair of any defect of material or design furnished by the PHA nor for the repair of any damage that results from any defect in PHA furnished material or design.
- (i) Notwithstanding any provisions herein to the contrary, the establishment of the time periods in paragraphs (a) and (c) above relate only to the specific obligation of the Contractor to correct the work, and have no relationship to the time within which its obligation to comply with the contract 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 its obligation other than specifically to correct the work.
- (j) This warranty shall not limit the PHA's rights under the Inspection and Acceptance of Construction clause of this contract with respect to latent defects, gross mistakes or fraud.

24. Prohibition Against Liens

The Contractor is prohibited from placing a lien on the PHA's property. This prohibition shall apply to all subcontractors at any tier and all materials suppliers.

Administrative Requirements

25. Contract Period

business/working

The Contractor shall complete all work required on this contract within (105) ~~calendar~~ ^{business/working} days of the effective date of the contract, or within the time schedule established in the notice to proceed issued by the Contracting Officer.

26. Order of Provisions

In the event of a conflict between these General Conditions and the Specifications, the General Conditions shall prevail. In the event of a conflict between the contract and any applicable state or local law or regulation, the state or local law or regulation shall prevail; provided that such state or local law or regulation does not conflict with, or is less restrictive than applicable federal law, regulation, or Executive Order. In the event of such a conflict, applicable federal law, regulation, and Executive Order shall prevail.

27. Payments

- (a) The PHA shall pay the Contractor the price as provided in this contract.
- (b) The PHA shall make progress payments approximately every 30 days as the work proceeds, on estimates of work accomplished which meets the standards of quality established under the contract, as approved by the Contracting Officer. The PHA may, subject to written determination and approval of the Contracting Officer, make more frequent payments to contractors which are qualified small businesses.
- (c) Before the first progress payment under this contract, the Contractor shall furnish, in such detail as requested by the Contracting Officer, a breakdown of the total contract price showing the amount included therein for each principal category of the work, which shall substantiate the payment amount requested in order to provide a

basis for determining progress payments. The breakdown shall be approved by the Contracting Officer and must be acceptable to HUD. If the contract covers more than one project, the Contractor shall furnish a separate breakdown for each. The values and quantities employed in making up this breakdown are for determining the amount of progress payments and shall not be construed as a basis for additions to or deductions from the contract price. The Contractor shall prorate its overhead and profit over the construction period of the contract.

- (d) The Contractor shall submit, on forms provided by the PHA, periodic estimates showing the value of the work performed during each period based upon the approved breakdown of the contract price. Such estimates shall be submitted not later than 30 days in advance of the date set for payment and are subject to correction and revision as required. The estimates must be approved by the Contracting Officer with the concurrence of the Architect prior to payment. If the contract covers more than one project, the Contractor shall furnish a separate progress payment estimate for each.
- (e) Along with each request for progress payments and the required estimates, the Contractor shall furnish the following certification, or payment shall not be made: I hereby certify, to the best of my knowledge and belief, that:
 - (1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
 - (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements; and,
 - (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract.

Name:

Title:

Date:

- (f) Except as otherwise provided in State law, the PHA shall retain ten (10) percent of the amount of progress payments until completion and acceptance of all work under the contract; except, that if upon completion of 50 percent of the work, the Contracting Officer, after consulting with the Architect, determines that the Contractor's performance and progress are satisfactory, the PHA may make the remaining payments in full for the work subsequently completed. If the Contracting Officer subsequently determines that the Contractor's performance and progress are unsatisfactory, the PHA shall reinstate the ten (10) percent (or other percentage as provided in State law) retainage until such time as the Contracting Officer determines that performance and progress are satisfactory.
- (g) The Contracting Officer may authorize material delivered on the site and preparatory work done to be taken into consideration when computing progress payments.

Material delivered to the Contractor at locations other than the site may also be taken into consideration if the Contractor furnishes satisfactory evidence that (1) it has acquired title to such material; (2) the material is properly stored in a bonded warehouse, storage yard, or similar suitable place as may be approved by the Contracting Officer; (3) the material is insured to cover its full value; and (4) the material will be used to perform this contract. Before any progress payment which includes delivered material is made, the Contractor shall furnish such documentation as the Contracting Officer may require to assure the protection of the PHA's interest in such materials. The Contractor shall remain responsible for such stored material notwithstanding the transfer of title to the PHA.

- (h) All material and work covered by progress payments made shall, at the time of payment become the sole property of the PHA, but this shall not be construed as (1) relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or, (2) waiving the right of the PHA to require the fulfillment of all of the terms of the contract. In the event the work of the Contractor has been damaged by other contractors or persons other than employees of the PHA in the course of their employment, the Contractor shall restore such damaged work without cost to the PHA and to seek redress for its damage only from those who directly caused it.
- (i) The PHA shall make the final payment due the Contractor under this contract after (1) completion and final acceptance of all work; and (2) presentation of release of all claims against the PHA arising by virtue of this contract, other than claims, in stated amounts, that the Contractor has specifically excepted from the operation of the release. Each such exception shall embrace no more than one claim, the basis and scope of which shall be clearly defined. The amounts for such excepted claims shall not be included in the request for final payment. A release may also be required of the assignee if the Contractor's claim to amounts payable under this contract has been assigned.
- (j) Prior to making any payment, the Contracting Officer may require the Contractor to furnish receipts or other evidence of payment from all persons performing work and supplying material to the Contractor, if the Contracting Officer determines such evidence is necessary to substantiate claimed costs.
- (k) The PHA shall not; (1) determine or adjust any claims for payment or disputes arising there under between the Contractor and its subcontractors or material suppliers; or, (2) withhold any moneys for the protection of the subcontractors or material suppliers. The failure or refusal of the PHA to withhold moneys from the Contractor shall in nowise impair the obligations of any surety or sureties under any bonds furnished under this contract.

28. Contract Modifications

- (a) Only the Contracting Officer has authority to modify any term or condition of this contract. Any contract modification shall be authorized in writing.
- (b) The Contracting Officer may modify the contract unilaterally (1) pursuant to a specific authorization stated in a contract clause (e.g., Changes); or (2) for administrative matters which do not change the rights or

responsibilities of the parties (e.g., change in the PHA address). All other contract modifications shall be in the form of supplemental agreements signed by the Contractor and the Contracting Officer.

- (c) When a proposed modification requires the approval of HUD prior to its issuance (e.g., a change order that exceeds the PHA's approved threshold), such modification shall not be effective until the required approval is received by the PHA.

29. Changes

- (a) The Contracting Officer may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make changes in the work within the general scope of the contract including changes:
 - (1) In the specifications (including drawings and designs);
 - (2) In the method or manner of performance of the work;
 - (3) PHA-furnished facilities, equipment, materials, services, or site; or,
 - (4) Directing the acceleration in the performance of the work.
- (b) Any other written order or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contracting Officer that causes a change shall be treated as a change order under this clause; provided, that the Contractor gives the Contracting Officer written notice stating (1) the date, circumstances and source of the order and (2) that the Contractor regards the order as a change order.
- (c) Except as provided in this clause, no order, statement or conduct of the Contracting Officer shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.
- (d) If any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this contract, whether or not changed by any such order, the Contracting Officer shall make an equitable adjustment and modify the contract in writing. However, except for an adjustment based on defective specifications, no proposal for any change under paragraph (b) above shall be allowed for any costs incurred more than 20 days (5 days for oral orders) before the Contractor gives written notice as required. In the case of defective specifications for which the PHA is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Contractor in attempting to comply with the defective specifications.
- (e) The Contractor must assert its right to an adjustment under this clause within 30 days after (1) receipt of a written change order under paragraph (a) of this clause, or (2) the furnishing of a written notice under paragraph (b) of this clause, by submitting a written statement describing the general nature and the amount of the proposal. If the facts justify it, the Contracting Officer may extend the period for submission. The proposal may be included in the notice required under paragraph (b) above. No proposal by the Contractor for an equitable adjustment shall be allowed if asserted after final payment under this contract.
- (f) The Contractor's written proposal for equitable adjustment shall be submitted in the form of a lump sum proposal supported with an itemized breakdown of all increases and decreases in the contract in at least the following details:

- (1) Direct Costs. Materials (list individual items, the quantity and unit cost of each, and the aggregate cost); Transportation and delivery costs associated with materials; Labor breakdowns by hours or unit costs (identified with specific work to be performed); Construction equipment exclusively necessary for the change; Costs of preparation and/ or revision to shop drawings resulting from the change; Worker's Compensation and Public Liability Insurance; Employment taxes under FICA and FUTA; and, Bond Costs when size of change warrants revision.
- (2) Indirect Costs. Indirect costs may include overhead, general and administrative expenses, and fringe benefits not normally treated as direct costs.
- (3) Profit. The amount of profit shall be negotiated and may vary according to the nature, extent, and complexity of the work required by the change. The allowability of the direct and indirect costs shall be determined in accordance with the Contract Cost Principles and Procedures for Commercial Firms in Part 31 of the Federal Acquisition Regulation (48 CFR 1-31), as implemented by HUD Handbook 2210.18, in effect on the date of this contract. The Contractor shall not be allowed a profit on the profit received by any subcontractor. Equitable adjustments for deleted work shall include a credit for profit and may include a credit for indirect costs. On proposals covering both increases and decreases in the amount of the contract, the application of indirect costs and profit shall be on the net-change in direct costs for the Contractor or subcontractor performing the work.
- (g) The Contractor shall include in the proposal its request for time extension (if any), and shall include sufficient information and dates to demonstrate whether and to what extent the change will delay the completion of the contract in its entirety.
- (h) The Contracting Officer shall act on proposals within 30 days after their receipt, or notify the Contractor of the date when such action will be taken.
- (i) Failure to reach an agreement on any proposal shall be a dispute under the clause entitled Disputes herein. Nothing in this clause, however, shall excuse the Contractor from proceeding with the contract as changed.
- (j) Except in an emergency endangering life or property, no change shall be made by the Contractor without a prior order from the Contracting Officer.

30. Suspension of Work

- (a) The Contracting Officer may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the convenience of the PHA.
- (b) If the performance of all or any part of the work is, for an unreasonable period of time, suspended, delayed, or interrupted (1) by an act of the Contracting Officer in the administration of this contract, or (2) by the Contracting Officer's failure to act within the time specified (or within a reasonable time if not specified) in this contract an adjustment shall be made for any increase in the cost of performance of the contract (excluding profit) necessarily caused by such unreasonable suspension, delay, or interruption and the contract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that performance would have

been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor or for which any equitable adjustment is provided for or excluded under any other provision of this contract.

- (c) A claim under this clause shall not be allowed (1) for any costs incurred more than 20 days before the Contractor shall have notified the Contracting Officer in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order); and, (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the contract.

31. Disputes

- (a) "Claim," as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to the contract. A claim arising under the contract, unlike a claim relating to the contract, is a claim that can be resolved under a contract clause that provides for the relief sought by the claimant. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim. The submission may be converted to a claim by complying with the requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.
- (b) Except for disputes arising under the clauses entitled Labor Standards - Davis Bacon and Related Acts, herein, all disputes arising under or relating to this contract, including any claims for damages for the alleged breach thereof which are not disposed of by agreement, shall be resolved under this clause.
- (c) All claims by the Contractor shall be made in writing and submitted to the Contracting Officer for a written decision. A claim by the PHA against the Contractor shall be subject to a written decision by the Contracting Officer.
- (d) The Contracting Officer shall, within 60 (unless otherwise indicated) days after receipt of the request, decide the claim or notify the Contractor of the date by which the decision will be made.
- (e) The Contracting Officer's decision shall be final unless the Contractor (1) appeals in writing to a higher level in the PHA in accordance with the PHA's policy and procedures, (2) refers the appeal to an independent mediator or arbitrator, or (3) files suit in a court of competent jurisdiction. Such appeal must be made within (30 unless otherwise indicated) days after receipt of the Contracting Officer's decision.
- (f) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

32. Default

- (a) If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with the diligence that will insure its completion within the time specified in this contract, or any extension thereof, or fails to complete said work within this time, the Contracting Officer may, by written notice to the Contractor, terminate the right to

proceed with the work (or separable part of the work) that has been delayed. In this event, the PHA may take over the work and complete it, by contract or otherwise, and may take possession of and use any materials, equipment, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the PHA resulting from the Contractor's refusal or failure to complete the work within the specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the PHA in completing the work.

- (b) The Contractor's right to proceed shall not be terminated or the Contractor charged with damages under this clause if—
- (1) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include (i) acts of God, or of the public enemy, (ii) acts of the PHA or other governmental entity in either its sovereign or contractual capacity, (iii) acts of another contractor in the performance of a contract with the PHA, (iv) fires, (v) floods, (vi) epidemics, (vii) quarantine restrictions, (viii) strikes, (ix) freight embargoes, (x) unusually severe weather, or (xi) delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and the subcontractors or suppliers; and
 - (2) The Contractor, within days (10 days unless otherwise indicated) from the beginning of such delay (unless extended by the Contracting Officer) notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay. If, in the judgment of the Contracting Officer, the findings of fact warrant such action, time for completing the work shall be extended by written modification to the contract. The findings of the Contracting Officer shall be reduced to a written decision which shall be subject to the provisions of the Disputes clause of this contract.
- (c) If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been for convenience of the PHA.

33. Liquidated Damages

- (a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, as specified in the clause entitled Default of this contract, the Contractor shall pay to the PHA as liquidated damages, the sum of \$ 100.00 [Contracting Officer insert amount] for each day of delay. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed. To the extent that the Contractor's delay or nonperformance is excused under another clause in this contract, liquidated damages shall not be due the PHA. The Contractor remains liable for damages caused other than by delay.
- (b) If the PHA terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final

completion of the work together with any increased costs occasioned the PHA in completing the work.

- (c) If the PHA does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

34. Termination for Convenience

- (a) The Contracting Officer may terminate this contract in whole, or in part, whenever the Contracting Officer determines that such termination is in the best interest of the PHA. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which the performance of the work under the contract is terminated, and the date upon which such termination becomes effective.
- (b) If the performance of the work is terminated, either in whole or in part, the PHA shall be liable to the Contractor for reasonable and proper costs resulting from such termination upon the receipt by the PHA of a properly presented claim setting out in detail: (1) the total cost of the work performed to date of termination less the total amount of contract payments made to the Contractor; (2) the cost (including reasonable profit) of settling and paying claims under subcontracts and material orders for work performed and materials and supplies delivered to the site, payment for which has not been made by the PHA to the Contractor or by the Contractor to the subcontractor or supplier; (3) the cost of preserving and protecting the work already performed until the PHA or assignee takes possession thereof or assumes responsibility therefore; (4) the actual or estimated cost of legal and accounting services reasonably necessary to prepare and present the termination claim to the PHA; and (5) an amount constituting a reasonable profit on the value of the work performed by the Contractor.
- (c) The Contracting Officer will act on the Contractor's claim within days (60 days unless otherwise indicated) of receipt of the Contractor's claim.
- (d) Any disputes with regard to this clause are expressly made subject to the provisions of the Disputes clause of this contract.

35. Assignment of Contract

The Contractor shall not assign or transfer any interest in this contract; except that claims for monies due or to become due from the PHA under the contract may be assigned to a bank, trust company, or other financial institution. Such assignments of claims shall only be made with the written concurrence of the Contracting Officer. If the Contractor is a partnership, this contract shall inure to the benefit of the surviving or remaining member(s) of such partnership as approved by the Contracting Officer.

36. Insurance

- (a) Before commencing work, the Contractor and each subcontractor shall furnish the PHA with certificates of insurance showing the following insurance is in force and will insure all operations under the Contract:
- (1) Workers' Compensation, in accordance with state or Territorial Workers' Compensation laws.
 - (2) Commercial General Liability with a combined single limit for bodily injury and property damage of not less than \$500,000.00 [Contracting Officer insert amount]

per occurrence to protect the Contractor and each subcontractor against claims for bodily injury or death and damage to the property of others. This shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under (3) below. If the Contractor has a made" policy, then the following additional requirements apply: the policy must provide a "retroactive date" which must be on or before the execution date of the Contract; and the extended reporting period may not be less than five years following the completion date of the Contract.

- (3) Automobile Liability on owned and non-owned motor vehicles used on the site(s) or in connection therewith for a combined single limit for bodily injury and property damage of not less than \$500,000.00 [Contracting Officer insert amount] per occurrence.
- (b) Before commencing work, the Contractor shall furnish the PHA with a certificate of insurance evidencing that Builder's Risk (fire and extended coverage) Insurance on all work in place and/or materials stored at the building site(s), including foundations and building equipment, is in force. The Builder's Risk Insurance shall be for the benefit of the Contractor and the PHA as their interests may appear and each shall be named in the policy or policies as an insured. The Contractor in installing equipment supplied by the PHA shall carry insurance on such equipment from the time the Contractor takes possession thereof until the Contract work is accepted by the PHA. The Builder's Risk Insurance need not be carried on excavations, piers, footings, or foundations until such time as work on the superstructure is started. It need not be carried on landscape work. Policies shall furnish coverage at all times for the full cash value of all completed construction, as well as materials in place and/or stored at the site(s), whether or not partial payment has been made by the PHA. The Contractor may terminate this insurance on buildings as of the date taken over for occupancy by the PHA. The Contractor is not required to carry Builder's Risk Insurance for modernization work which does not involve structural alterations or additions and where the PHA's existing fire and extended coverage policy can be endorsed to include such work.
- (c) All insurance shall be carried with companies which are financially responsible and admitted to do business in the State in which the project is located. If any such insurance is due to expire during the construction period, the Contractor (including subcontractors, as applicable) shall not permit the coverage to lapse and shall furnish evidence of coverage to the Contracting Officer. All certificates of insurance, as evidence of coverage, shall provide that no coverage may be canceled or non-renewed by the insurance company until at least 30 days prior written notice has been given to the Contracting Officer.

37. Subcontracts

- (a) Definitions. As used in this contract -
- (1) "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime contract or a subcontract.

(2) "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another subcontractor.

- (b) The Contractor shall not enter into any subcontract with any subcontractor who has been temporarily denied participation in a HUD program or who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or of the state in which the work under this contract is to be performed.
- (c) The Contractor shall be as fully responsible for the acts or omissions of its subcontractors, and of persons either directly or indirectly employed by them as for the acts or omissions of persons directly employed by the Contractor.
- (d) The Contractor shall insert appropriate clauses in all subcontracts to bind subcontractors to the terms and conditions of this contract insofar as they are applicable to the work of subcontractors.
- (e) Nothing contained in this contract shall create any contractual relationship between any subcontractor and the PHA or between the subcontractor and HUD.

38. Subcontracting with Small and Minority Firms, Women's Business Enterprise, and Labor Surplus Area Firms

The Contractor shall take the following steps to ensure that, whenever possible, subcontracts are awarded to small business firms, minority firms, women's business enterprises, and labor surplus area firms:

- (a) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (b) Ensuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;
- (c) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women's business enterprises;
- (d) Establishing delivery schedules, where the requirements of the contract permit, which encourage participation by small and minority businesses and women's business enterprises; and
- (e) Using the services and assistance of the U.S. Small Business Administration, the Minority Business Development Agency of the U.S. Department of Commerce, and State and local governmental small business agencies.

39. Equal Employment Opportunity

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

- (a) The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap.
- (b) The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, (1) employment, (2) upgrading, (3) demotion, (4) transfer, (5) recruitment or recruitment advertising, (6) layoff or termination, (7) rates of pay or other forms of compensation, and (8) selection for training, including apprenticeship.

- (c) The Contractor shall post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer that explain this clause.
- (d) The Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
- (e) The Contractor shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Contracting Officer advising the labor union or workers' representative of the Contractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.
- (f) The Contractor shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.
- (g) The Contractor shall furnish all information and reports required by Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto. The Contractor shall permit access to its books, records, and accounts by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (h) In the event of a determination that the Contractor is not in compliance with this clause or any rule, regulation, or order of the Secretary of Labor, 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 under the procedures authorized in Executive Order 11246, as amended. In addition, sanctions may be imposed and remedies invoked against the Contractor as provided in Executive Order 11246, as amended, the rules, regulations, and orders of the Secretary of Labor, or as otherwise provided by law.
- (i) The Contractor shall include the terms and conditions of this clause in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued under Executive Order 11246, as amended, so that these terms and conditions will be binding upon each subcontractor or vendor. The Contractor shall take such action with respect to any subcontract or purchase order as the Secretary of Housing and Urban Development or the Secretary of Labor 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 with a subcontractor or vendor as a result of such direction, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.
- (j) Compliance with the requirements of this clause shall be to the maximum extent consistent with, but not in derogation of, compliance with section 7(b) of the Indian Self-Determination and Education Assistance Act and the Indian Preference clause of this contract.
- 40. Employment, Training, and Contracting Opportunities for Low-Income Persons, Section 3 of the Housing and Urban Development Act of 1968.**
- (a) The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- (b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.
- (c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.
- (d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- (e) The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.
- (f) Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
- (g) With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

41. Interest of Members of Congress

No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this contract or to any benefit that may arise therefrom.

42. Interest of Members, Officers, or Employees and Former Members, Officers, or Employees

No member, officer, or employee of the PHA, no member of the governing body of the locality in which the project is situated, no member of the governing body of the locality in which the PHA was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this contract or the proceeds thereof.

43. Limitations on Payments made to Influence Certain Federal Financial Transactions

- (a) The Contractor agrees to comply with Section 1352 of Title 31, United States Code which prohibits the use of Federal appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: 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; or the modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) The Contractor further agrees to comply with the requirement of the Act to furnish a disclosure (OMB Standard Form LLL, Disclosure of Lobbying Activities) if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) 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 a Federal contract, grant, loan, or cooperative agreement.

44. Royalties and Patents

The Contractor shall pay all royalties and license fees. It shall defend all suits or claims for infringement of any patent rights and shall save the PHA harmless from loss on account thereof; except that the PHA shall be responsible for all such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified and the Contractor has no reason to believe that the specified design, process, or product is an infringement. If, however, the Contractor has reason to believe that any design, process or product specified is an infringement of a patent, the Contractor shall promptly notify the Contracting Officer. Failure to give such notice shall make the Contractor responsible for resultant loss.

45. Examination and Retention of Contractor's Records

- (a) The PHA, HUD, or Comptroller General of the United States, or any of their duly authorized representatives shall, until 3 years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.
- (b) The Contractor agrees to include in first-tier subcontracts under this contract a clause substantially the same as paragraph (a) above. "Subcontract," as used in this clause, excludes purchase orders not exceeding \$10,000.
- (c) The periods of access and examination in paragraphs (a) and (b) above for records relating to (1) appeals under the Disputes clause of this contract, (2) litigation or settlement of claims arising from the performance of this contract, or (3) costs and expenses of this contract to which the PHA, HUD, or Comptroller General or any of their duly authorized representatives has taken exception shall continue until disposition of such appeals, litigation, claims, or exceptions.

46. Labor Standards - Davis-Bacon and Related Acts

If the total amount of this contract exceeds \$2,000, the Federal labor standards set forth in the clause below shall apply to the development or construction work to be performed under the contract.

- (a) Minimum Wages.
- (1) All laborers and mechanics employed under this contract in the development or construction of the project(s) involved 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 regulations issued 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 equivalents 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 29 CFR 5.5(a)(1)(iv); 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 regular 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 in the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 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 29 CFR 5.5(a)(1)(ii) 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 be easily seen by the workers.

- (2) (i) 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. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when all the following criteria have been met: (A) The work to be performed by the classification requested is not performed by a classification in the wage determination; and (B) The classification is utilized in the area by the construction industry; and (C) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee 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 HUD or its designee to the Administrator of the Wage and Hour Division, Employee Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.
- (iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.
- (iv) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (a)(2)(ii) or (iii) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in classification.
- (3) 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.
- (4) 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.

- (b) Withholding of funds. HUD or its designee 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 Davis-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 in the construction or development of the project, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Contractor, 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. HUD or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due.
- (c) Payrolls and basic records.
- (1) 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 in the construction or development of the project. 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 section 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 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 cost 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.

- (2) (i) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under subparagraph (c)(1) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1214-0149.)
- (ii) 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:
- (A) That the payroll for the payroll period contains the information required to be maintained under paragraph (c) (1) of this clause and that such information is correct and complete;
- (B) That each laborer or 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 29 CFR Part 3; and
- (C) 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.
- (iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirements for submission of the "Statement of Compliance" required by subparagraph (c)(2)(ii) of this clause.
- (iv) 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 3729 of Title 31 of the United States Code.
- (3) The Contractor or subcontractor shall make the records required under subparagraph (c)(1) available for inspection, copying, or transcription by authorized representatives of HUD or its designee, the Contracting Officer, 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, HUD or its designee may, after written notice to the Contractor, 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.

- (d) (1) 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, Office of Apprenticeship and Training, Employer and Labor Services (OATELS), or with a State Apprenticeship Agency recognized by OATELS, 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 OATELS 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 in this paragraph, 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 journeyman 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 of the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, 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.
- (2) 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 in 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 in 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 in 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 in 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.

- (3) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.
- (e) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.
- (f) Contract termination; debarment. A breach of this contract clause may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.
- (g) 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.
- (h) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this clause 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 PHA, HUD, the U.S. Department of Labor, or the employees or their representatives.
- (i) Certification of eligibility.
 - (1) 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 contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

- (2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a United States Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
 - (3) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.
- (j) Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.
- (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, including watchmen and guards, shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 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 40 hours in such workweek.
 - (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions set forth in subparagraph (j)(1) of this clause, 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 provisions set forth in subparagraph (j)(1) of this clause, 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 40 hours without payment of the overtime wages required by provisions set forth in subparagraph (j)(1) of this clause.
 - (3) Withholding for unpaid wages and liquidated damages. HUD or its designee 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 moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any 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 provisions set forth in subparagraph (j)(2) of this clause.
- (k) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts all the provisions contained in this clause, and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these provisions.

47. Non-Federal Prevailing Wage Rates

- (a) Any prevailing wage rate (including basic hourly rate and any fringe benefits), determined under State or tribal law to be prevailing, with respect to any employee in any trade or position employed under the contract, is inapplicable to the contract and shall not be enforced against the Contractor or any subcontractor, with respect to employees engaged under the contract whenever such non-Federal prevailing wage rate exceeds:
 - (1) The applicable wage rate determined by the Secretary of Labor pursuant to the Davis-Bacon Act (40 U.S.C. 3141 et seq.) to be prevailing in the locality with respect to such trade;
- (b) An applicable apprentice wage rate based thereon specified in an apprenticeship program registered with the U.S. Department of Labor (DOL) or a DOL-recognized State Apprenticeship Agency; or
- (c) An applicable trainee wage rate based thereon specified in a DOL-certified trainee program.

48. Procurement of Recovered Materials.

- (a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor shall procure items designated in the EPA guidelines that contain the highest percentage of recovered materials practicable unless the Contractor determines that such items: (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology, if applicable to the item; or (3) are only available at an unreasonable price.
- (b) Paragraph (a) of this clause shall apply to items purchased under this contract where: (1) the Contractor purchases in excess of \$10,000 of the item under this contract; or (2) during the preceding Federal fiscal year, the Contractor: (i) purchased any amount of the items for use under a contract that was funded with Federal appropriations and was with a Federal agency or a State agency or agency of a political subdivision of a State; and (ii) purchased a total of in excess of \$10,000 of the item both under and outside that contract.



EXHIBIT J

**Certification of Acceptance of HUD 5370 General Conditions for
Construction Contracts- Public Housing Programs**



Certification of Acceptance
HUD Form 5370 General Conditions for
Construction Contracts – Public Housing Program

The undersigned certifies that he/she, on the behalf of the bidding company,
_____, has read, understands, accepts and will abide
by all of the conditions stipulated in and set forth by the HUD Form 5370 General
Conditions for Construction Contracts – Public Housing Programs. Full copy of this form
is located in the Specifications Documents under Exhibit I.

Signature: _____

Title: _____

(Company Name)

Offeror, if the Offeror is an Individual
Partner, if the Offeror is a Partnership
Officer, if the Offeror is a Corporation



EXHIBIT K

Form HUD 2530, Previous Participation Certification

US Department of Housing and Urban Development
Office of Housing/Federal Housing Commissioner

US Department of Agriculture
Farmers Home Administration

Part I to be completed by Principals of Multifamily Projects (See instructions)		For HUD HQ/FmHA use only	
Reason for submission:			
1. Agency name and City where the application is filed		2. Project Name, Project Number, City and Zip Code	
3. Loan or Contract amount \$	4. Number of Units or Beds	5. Section of Act	6. Type of Project (check one) <input type="checkbox"/> Existing <input type="checkbox"/> Rehabilitation <input type="checkbox"/> Proposed (New)

7. List all proposed Principals and attach organization chart for all organizations

Name and address of Principals and Affiliates (Name: Last, First, Middle Initial) proposing to participate	8 Role of Each Principal in Project	9. SSN or IRS Employer Number

Certifications: The principal(s) listed above hereby apply to HUD or USDA FmHA, as the case maybe, for approval to participate as principal(s) in the role(s) and project listed above. The principal(s) each certify that all the statements made on this form are true, complete and correct to the best of their knowledge and belief and are made in good faith, including any Exhibits attached to this form. **Warning:** HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. The principal(s) further certify that to the best of their knowledge and belief:

1. Schedule A contains a listing, for the last ten years, of every project assisted or insured by HUD, USDA FmHA and/or State and local government housing finance agencies in which the principal(s) have participated or are now participating.
2. For the period beginning 10 years prior to the date of this certification, and except as shown on the certification:
 - a. No mortgage on a project listed has ever been in default, assigned to the Government or foreclosed, nor has it received mortgage relief from the mortgagee;
 - b. The principals have no defaults or noncompliance under any Conventional Contract or Turnkey Contract of Sale in connection with a public housing project;
 - c. There are no known unresolved findings as a result of HUD audits, management reviews or other Governmental investigations concerning the principals or their projects;
 - d. There has not been a suspension or termination of payments under any HUD assistance contract due to the principal's fault or negligence;
 - e. The principals have not been convicted of a felony and are not presently the subject of a complaint or indictment charging a felony. (A felony is defined as any offense punishable by imprisonment for a term exceeding one year, but does not include any offense classified as a misdemeanor under the laws of a State and punishable by imprisonment of two years or less);
 - f. The principals have not been suspended, debarred or otherwise restricted by any Department or Agency of the Federal Government or of a State Government from doing business with such Department or Agency;
 - g. The principals have not defaulted on an obligation covered by a surety or performance bond and have not been the subject of a claim under an employee fidelity bond;
3. All the names of the principals who propose to participate in this project are listed above.
4. None of the principals is a HUD/FmHA employee or a member of a HUD/FmHA employee's immediate household as defined in Standards of Ethical Conduct for Employees of the Executive Branch in 5 C.F.R. Part 2635 (57 FR 35006) and HUD's Standard of Conduct in 24 C.F.R. Part 0 and USDA's Standard of Conduct in 7 C.F.R. Part 0 Subpart B.
5. None of the principals is a participant in an assisted or insured project as of this date on which construction has stopped for a period in excess of 20 days or which has been substantially completed for more than 90 days and documents for closing, including final cost certification, have not been filed with HUD or FmHA.
6. None of the principals have been found by HUD or FmHA to be in noncompliance with any applicable fair housing and civil rights requirements in 24 CFR 5.105(a). (If any principals or affiliates have been found to be in noncompliance with any requirements, attach a signed statement explaining the relevant facts, circumstances, and resolution, if any).
7. None of the principals is a Member of Congress or a Resident Commissioner nor otherwise prohibited or limited by law from contracting with the Government of the United States of America.
8. Statements above (if any) to which the principal(s) cannot certify have been deleted by striking through the words with a pen, and the relevant principal(s) have initialed each deletion (if any) and have attached a true and accurate signed statement (if applicable) to explain the facts and circumstances.

Name of Principal	Signature of Principal	Certification Date(mm/dd/yyyy)	Area Code and Tel. No.
This form prepared by (print name)			Area Code and Tel. No.

Previous Participation Certification

OMB Approval No. 2502-0118
(Exp. 05/31/2019)

Schedule A: List of Previous Projects and Section 8 Contracts. Below is a complete list of the principals' previous participation projects and participation history in multifamily Housing programs of HUD/FmHA, State and local Housing Finance Agencies. **Note:** Read and follow the instruction sheet carefully. Make full disclosure. Add extra sheets if you need more space. Double check for accuracy. If no previous projects, write by your name, **"No previous participation, First Experience"**.

1. Principals Name (Last, First)	2. List of previous projects (Project name, project ID and, Govt. agency involved)	3. List Principals' Role(s) (indicate dates participated, and if fee or identity of interest participant)	4. Status of loan (current, defaulted, assigned, foreclosed)	5. Was the Project ever in default during your participation Yes No If yes, explain		6. Last MOR rating and Physical Insp. Score and date

Part II- For HUD Internal Processing Only

Received and checked by me for accuracy and completeness; recommend approval or refer to Headquarters after checking appropriate box.

Date (mm/dd/yyyy)	Tel No. and area code	<input type="checkbox"/> A. No adverse information; form HUD-2530 approval recommended. <input type="checkbox"/> B. Name match in system	<input type="checkbox"/> C. Disclosure or Certification problem <input type="checkbox"/> D. Other (attach memorandum)	
Staff	Processing and Control			
Supervisor		Director of Housing/Director, Multifamily Division	Approved <input type="checkbox"/> Yes <input type="checkbox"/> No	Date (mm/dd/yyyy)

Instructions for Completing the Previous Participation Certificate, form HUD-2530

Carefully read these instructions and the applicable regulations. A copy of those regulations published at 24 C.F.R. 200.210 to 200.245 can be obtained from the Multifamily Housing Representative at any HUD Office. Type or print neatly in ink when filling out this form. Mark answers in all blocks of the form. If the form is not filled completely, it will delay approval of your application.

Attach extra sheets as you need them. Be sure to indicate "Continued on Attachments" wherever appropriate. Sign each additional page that you attach if it refers to you or your record.

Carefully read the certification before you sign it. Any questions regarding the form or how to complete it can be answered by your HUD Office Multifamily Housing Representative.

Purpose: This form provides HUD with a certified report of all previous participation in HUD multifamily housing projects by those parties making application. The information requested in this form is used by HUD to determine if you meet the standards established to ensure that all principal participants in HUD projects will honor their legal, financial and contractual obligations and are acceptable risks from the underwriting standpoint of an insurer, lender or governmental agency. HUD requires that you certify your record of previous participation in HUD/USDA-FmHA, State and Local Housing Finance Agency projects by completing and signing this form, before your project application or participation can be approved.

HUD approval of your certification is a necessary precondition for your participation in the project and in the capacity that you propose. If you do not file this certification, do not furnish the information requested accurately, or do not meet established standards, HUD will not approve your certification.

Note that approval of your certification does not obligate HUD to approve your project application, and it does not satisfy all other HUD program requirements relative to your qualifications.

Who Must Sign and File Form HUD-2530:

Form HUD-2530 must be completed and signed by all principals applying to participate in HUD multifamily housing projects, including those who have no previous participation. The form must be signed and filed by all principals and their affiliates who propose participating in the HUD project. Use a separate form for each role in the project unless there is an identity of interest.

Principals include all individuals, joint ventures,

partnerships, corporations, trusts, non-profit organizations, any other public or private entity that will participate in the proposed project as a sponsor, owner, prime contractor, turnkey developer, managing agent, nursing home administrator or operator, packager, or consultant. Architects and attorneys who have any interest in the project other than an arm's length fee arrangement for professional services are also considered principals by HUD.

In the case of partnerships, all general partners regardless of their percentage interest and limited partners having a 25 percent or more interest in the partnership are considered principals. In the case of public or private corporations or governmental entities, principals include the president, vice president, secretary, treasurer and all other executive officers who are directly responsible to the board of directors, or any equivalent governing body, as well as all directors and each stockholder having a 10 percent or more interest in the corporation.

Affiliates are defined as any person or business concern that directly or indirectly controls the policy of a principal or has the power to do so. A holding or parent corporation would be an example of an affiliate if one of its subsidiaries is a principal.

Exception for Corporations – All principals and affiliates must personally sign the certificate except in the following situation. When a corporation is a principal, all of its officers, directors, trustees and stockholders with 10 percent or more of the common (voting) stock need not sign personally if they all have the same record to report. The officer who is authorized to sign for the corporation or agency will list the names and title of those who elect not to sign. However, any person who has a record of participation in HUD projects that is separate from that of his or her organization must report that activity on this form and sign his or her name. The objective is full disclosure.

Exemptions – The names of the following parties do not need to be listed on form HUD-2530: Public Housing Agencies, tenants, owners of less than five condominium or cooperative units and all others whose interests were acquired by inheritance or court order.

Where and When Form HUD-2530 Must Be Filed:

The original of this form must be submitted to the HUD Office where your project application will be processed at the same time you file your initial project application. This form must be filed with applications for projects, or when otherwise required in the situations listed below:

- Projects to be financed with mortgages insured under the National Housing Act (FHA).
- Projects to be financed according to Section 202 of the Housing Act of 1959 (Elderly and

Handicapped).

- Projects in which 20 percent or more of the units are to receive a subsidy as described in 24 C.F.R. 200.213.
- Purchase of a project subject to a mortgage insured or held by the Secretary of HUD.
- Purchase of a Secretary-owned project.
- Proposed substitution or addition of a principal or principal participation in a different capacity from that previously approved for the same project.
- Proposed acquisition by an existing limited partner of an additional interest in a project resulting in a total interest of 25 percent or more or proposed acquisition by a corporate stockholder of an additional interest in a project resulting in a total interest of 10 percent or more.
- Projects with U.S.D.A., Farmers Home Administration, or with state or local government housing finance agencies that include rental assistance under Section 8 of the Housing Act of 1937. For projects of this type, form HUD-2530 should be filed with the appropriate applications directly to those agencies.

Review of Adverse Determination: If approval of your participation in a HUD project is denied, withheld, or conditionally granted on the basis of your record of previous participation, you will be notified by the HUD Office. You may request reconsideration by the HUD Review Committee. Alternatively, you may request a hearing before a Hearing Officer. Either request must be made in writing within 30 days from your receipt of the notice of determination.

If you do request reconsideration by the Review Committee and the reconsideration results in an adverse determination, you may then request a hearing before a Hearing Officer. The Hearing Officer will issue a report to the Review Committee. You will be notified of the final ruling by certified mail.

Specific Line Instructions:

Reason for submitting this Certification: e.g., refinance, change in ownership, change in management agent, transfer of physical assets, etc.

Block 1: Fill in the name of the agency to which you are applying. For example: HUD Office, Farmers Home Administration District office, or the name of a State or local housing finance agency. Below that, fill in the name of the city where the office is located.

Block 2: Fill in the name of the project, such as "Greenwood Apts." If the name has not yet been selected, write "Name unknown." Below that, enter the HUD contract or project identification number, the Farmers Home Administration project number, or the State or local housing finance agency project or contract number. Include **all** project or contract

identification numbers that are relevant to the project. Also enter the name of the city in which the project is located, and the ZIP Code.

Block 3: Fill in the dollar amount requested in the proposed mortgage, or the annual amount of rental assistance requested.

Block 4: Fill in the number of apartment units proposed, such as "40 units." For hospital projects or nursing homes, fill in the number of beds proposed, such as "100 beds."

Block 5: Fill in the section of the Housing Act under which the application is filed.

Block 7: Definitions of all those who are considered principals and affiliates are given above in the section titled "Who Must Sign and File...."

Block 8: Beside the name of each principal, fill in the appropriate role. The following are examples of possible roles that the principals may assume: Owner/Mortgagor, Managing Agent, Sponsor, Developer, General Con-tractor, Packager, Consultant, Nursing Home Administrator etc.

Block 9: Fill in the Social Security Number or IRS employer number of every principal listed, including affiliates.

Instructions for Completing Schedule A:

Be sure that Schedule A is filled-in completely, accurately and the certification is properly dated and signed, because it will serve as a legal record of your previous experience. All Multifamily Housing projects involving HUD/ FmHA, and State and local Housing Finance Agencies in which you have previously participated **must be** listed. Applicants are reminded that previous participation pertains to the individual principal within an entity as well as the entity itself. A newly formed company may not have previous participation, but the principals within the company may have had extensive participation and disclosure of that activity is required.

Column 2. All previous projects must be listed or your certification cannot be processed. Include the name of all projects, project number, city where it is located and the governmental agency (HUD, USDA-FmHA or state or local housing finance agency) that was involved.

Column 3. List the role(s) as a principal, dates participated and if fee or identity of interest (IOI) with owners.

Column 4. Indicate the current status of the loan. Except for current loan, the date associated with the status is required. Loans under a workout arrangement are considered assigned. For all noncurrent loans, an explanation of the status is required.

Column 5. Explain any project defaults during your participation.

Column 6. Provide the latest Management Review (MOR) rating and Physical Inspection score.

Certification: After you have completed all other parts of

form HUD-2530, including schedule A, read the Certification carefully. In the box below the statement of the certification, fill in the names of all principals and affiliates as listed in block 7. Each principal should sign the certification with the exception in some cases of individuals associated with a corporation (see "Exception for Corporations" in the section of the instructions titled "Who Must Sign and File Form HUD-2530). Principal who is signing on behalf of the entity should attach signature authority document. Each principal who signs the form should fill in the date of the signature and

a telephone number. By providing a telephone number, HUD can reach you in the event of any questions.

If you cannot certify and sign the certification as it is printed because some statements do not correctly describe your record, use a pen to strike through those parts that differ with your record, and then sign and certify.

Attach a signed statement of explanation of the items you have struck out on the certification. Item 2e. relates to felony convictions within the past 10 years. If you are convicted of

a felony within the past 10 years, strike out 2e. and attach statement of explanation. A felony conviction will not necessarily cause your participation to be disapproved unless there is a criminal record or other evidence that your previous conduct or method of doing business has been such that your participation in the project would make it an unacceptable risk from the underwriting stand point of an insurer, lender or governmental agency.

The Department of Housing and Urban Development (HUD) is authorized to collect this information by law (42 U.S.C. 3535(d) and 24 C.F.R. 200.217) and by regulation at 24 CFR 200.210. This information is needed so that principals applying to participate in multifamily programs can become HUD-approved participants. The information you provide will enable HUD to evaluate your record with respect to established standards of performance, responsibility and eligibility. Without prior approval, a principal may not participate in a proposed or existing multifamily project. HUD uses this information to evaluate whether or not principals pose an unsatisfactory underwriting risk. The information is used to evaluate the potential principals and approve only individuals and organizations that will honor their legal, financial and contractual obligations.

Privacy Act Statement: The Housing and Community Development Act of 1987, 42 U.S.C. 3543 requires persons applying for a Federally-insured or guaranteed loan to furnish his/her Social Security Number (SSN). HUD must have your SSN for identification of your records. HUD may use your SSN for automated processing of your records and to make requests for information about you and your previous records with other public agencies and private sector sources. HUD may disclose certain information to Federal, State and local agencies when relevant to civil, criminal, or regulatory investigations and prosecutions. It will not be otherwise disclosed or released outside of HUD, except as required and permitted by law. You must provide all of the information requested in this application, including your SSN.

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This agency may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

A response is mandatory. Failure to provide any of the information will result in your disapproval of participation in this HUD program.



EXHIBIT L

Non-Collusive Affidavit of Contractor/Subcontractor

NON-COLLUSIVE AFFIDAVIT OF CONTRACTOR/SUBCONTRACTOR

State of _____)

County of _____)

_____, being first duly sworn, deposes and says that: _____ (a partner or officer of the firm of, etc.) is the party making the foregoing proposal or bid, that such proposal or bid is genuine and not collusive or sham; that said bidder has not colluded, conspired, connived or agreed, directly or indirectly with any bidder or person to put in a sham bid or to refrain from bidding, and 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 affiant or of any other bidder, or to secure any advantage against the Pinellas County Housing Authority or any person interested in the proposed contract; and that all statements in said proposal or bid are true.

By: _____

Title: _____

Date: _____

Subscribed and sworn before me this _____ day of _____, 20__.

STATE OF _____ NOTARY PUBLIC

My commission expires _____, 20_____.

Personally known

OR produced identification

(Type of identification)



EXHIBIT M

**Sworn Statement Pursuant to Section 287.133(3)(a), Florida Statutes,
on Public Entity Crimes**

**SWORN STATEMENT PURSUANT TO SECTION 287.133(3) (a),
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to **THE PINELLAS COUNTY HOUSING AUTHORITY**

By _____
(Name) (Title)

for _____
(Company name)

whose business address is

(Address) (City) (State) (Zip Code)

and (if applicable) its Federal Employer Identification Number (FEIN) is

_____.

(If the entity has no FEIN, include Social Security Number of the individual signing this sworn statement:

2. I understand that a "public entity crime" as defined in Paragraph 287.133(l)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, bribery,-collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(l)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought to indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "affiliate" as defined in Paragraph 287.133(l)(a), Florida Statutes means:
 - a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(l)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
6. **Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. [Indicate which statement applies.]**

_____ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors executives, partners, shareholders, employees, members, -or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. [Attach a copy of the final order]

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THE PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(SIGNATURE)

Sworn and subscribed before me this _____ day of _____, 2_____, who is
Personally known _____
OR produced identification _____
Notary Public - State of _____

My commission expires: _____
(Printed typed or stamped commissioned name of notary public)

Signature of Notary



EXHIBIT N

**Certification of Authorization to Execute
Bid/Contract on Behalf of Company**

CONTRACTOR'S CERTIFICATION OF AUTHORIZATION TO EXECUTE BID/CONTRACT ON BEHALF OF COMPANY

I, _____, certify that I am the _____ of the corporation named as Contractor herein; that _____, who signed this Bid/Contract on behalf of the Contractor, was then _____ of said corporation; that said Bid/Contract was duly signed for and on behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Affix Corporate Seal:

By: _____

Title: _____

Date: _____



EXHIBIT O

**Minority/Women-Owned Business Enterprise (M/WBE) Certificate
(Bidder must provide certificate, if applicable)**



EXHIBIT P

M/WBE Utilization Summary



INSTRUCTIONS FOR MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISE (M/WBE) UTILIZATION SUMMARY

The Pinellas County Housing Authority (PCHA) is required by federal law as a Public Housing Agency to promote economic opportunities for the clientele it serves. Toward that end, PCHA recognizes and considers the efforts of its Proposers in enlisting the services of small disadvantaged businesses. The Utilization Summary included herein must be completed and submitted by each Proposer. It is designed to monitor the Proposer's commitment to fulfilling PCHA's objectives in promoting economic opportunities for small disadvantaged businesses. The following instructions are designed to assist in the preparation of the Utilization Summary.

1. Enter the dollar amount of the base bid submitted by Proposer.
2. Indicate what dollar amount of the base bid Proposer intends to utilize in partnering, joint-venturing, or subcontracting with Minority/Woman-Owned Businesses as defined at the bottom of the Utilization Summary page. If no M/WBE participation is anticipated, enter \$0.00 as the 'Total M/WBE Goal'.
3. Enter the complete name and address of the Minority/Woman-Owned Business Enterprise(s) that Proposer intends to utilize.
4. Specify the trade, telephone number, and anticipated dollar amount to be paid to the firms named.
5. Provider's representative signs and dates Utilization Summary.
6. Submit Utilization Summary with proposal.
7. After the contract is awarded, each invoice or draw request submitted by Provider must include a copy of Utilization Summary to include the total dollars allocated to M/WBE firms from the contract amount, as well as the percentage (%) of the base bid.
8. Provider's representative signs and submits Utilization Summary with each invoice or draw request.
9. Attach a copy of the M/WBE's current certificate.



EXHIBIT Q

Section 3 Plan Contracting Procedures, Guidelines and Forms



SECTION 3 PLAN
FOR
THE PINELLAS COUNTY
HOUSING AUTHORITY

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Exhibits/Forms

Exhibit 1: PCHA Contracting Policy & Procedure

Exhibit 2: PCHA Opportunities Plan

General Policy Statement

It is the policy of the Pinellas County Housing Authority (PCHA) to require its contractors to provide equal employment opportunity to all employees and applicants for employment without regard to race, color, religion, sex, national origin, disability, veteran's or marital status, or economic status and to take affirmative action to ensure that both job applicants and existing employees are given fair and equal treatment.

The PCHA implements this policy through the awarding of contracts to contractors, vendors, and suppliers, to create employment and business opportunities for residents of the PCHA and other qualified low, very low, and extremely low-income persons residing within PCHA's jurisdiction.

This policy shall result in a reasonable level of success in the recruitment, employment, and utilization of PCHA residents and other eligible persons and businesses by PCHA contractors working on contracts partially or wholly funded with the United States Department of Housing and Urban Development (HUD) monies. The PCHA shall examine and consider a contractor's or vendor's potential for success by providing employment and business opportunities to PCHA residents prior to acting on any proposed contract award.

Section 3 Purpose

Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701u) (Section 3) requires the Pinellas County Housing Authority to ensure that employment and other economic and business opportunities generated by the Department of Housing and Urban Development (HUD) financial assistance, to the greatest extent feasible, are directed to public housing residents, section 8 recipients and other low-income persons, government housing assistance, and business concerns that provide economic opportunities to Housing Authority residents and other low- and very-low income persons.

Section 3 Contracting Policy and Procedure

The PCHA will incorporate Section 3 in its existing Procurement Policy and adopt a Section 3 Contracting Policy and Procedure to be included in all procurements generated for use with HUD funding. Contractors must comply with the Davis Bacon Act. The Section 3 Contracting Policy and procedure contains goal requirements for awarding contracts to Section 3 Business Concerns.

All contractors/businesses seeking Section 3 preference (CBE) shall be required to complete certifications, as appropriate, as acknowledgement of the Section 3 contracting and employment provisions required by this section prior to submitting bids/proposals to the PCHA. Such certifications shall be adequately supported with appropriate documentation as referenced in the form.

The Procurement Policy of the PCHA encourages Small Disadvantaged Businesses (SDB) and Minority and Women Business Enterprises (M/WBE) to participate in contract awards.

Section 3 Plan

The Pinellas County Housing Authority, in conjunction with the Pinellas County Community Development Department will develop a Section 3 Action Plan to identify the goals, objectives, and actions that will be implemented to ensure compliance with the requirements of Section 3

PCHA's intent to develop this plan is to include input from various county departments to include Community Development, Housing and Neighborhood Improvements, Purchasing, as well as HUD. Where applicable, input from other agencies and companies will be considered.

Section 3 Employment & Training Goals

It is the policy of the PCHA to utilize residents and other Section 3 eligible persons and businesses in contracts partially or wholly funded with monies from the Department of Housing and Urban Development (HUD). PCHA has established employment, and training goals that contractors and subcontractors should meet in order to comply with Section 3 requirements. Numerical goals for meeting the hiring and training requirements of PCHA, to the greatest extent feasible, is 30% per year.

It is the responsibility of contractors, vendors and suppliers to implement progressive efforts to attain Section 3 compliance. Any contractor that does not meet the Section 3 numerical goals must demonstrate why meeting the goals were not feasible. **All contractors submitting bids or proposals to the PCHA are required to certify that they will comply with the requirements of Section 3 by completing the Section 3 Opportunities Plan or their bids may be deemed non-responsive.**

The Section 3 Contract Clause specifies the requirements for contractors hired for Section 3 covered projects. The Section 3 Clause must be included in all Section 3 covered projects. The Section 3 Contract Clause is included on Page 10 of Exhibit 1, hereto.

Section 3 Program Participant Certification Procedure

The PCHA will certify Section 3 program participants who meet the income eligibility requirements and who are seeking preference in training and employment by completing and attaching adequate proof of Section 3 eligibility, as required (see Page 12 of Exhibit 1 - Section 3 Participant Eligibility for Preference form).

- All persons who meet the Section 3 eligibility guidelines can, by appointment, visit with the designated PCHA staff to complete a job readiness assessment.
- Once this assessment is complete, the designated PCHA staff will determine if the individual meets the eligibility requirements and is job ready.
- If the individual is deemed eligible for Section 3 participation and deemed not ready for employment, a referral will be made to other agencies that are equipped to address the individual's needs, i.e., substance abuse providers, etc.
- The Section 3 job readiness component is a part of the PCHA's commitment to provide economic opportunities and training to residents/eligible participants to become gainfully employed.

Resident Hiring Requirements

The PCHA has adopted the following scale for resident hiring that is to be used on all construction contracts, service contracts and professional service contracts that contain a labor component. It is expected that an appropriate number of residents with particular qualifications or a willingness to provide unskilled labor will be able to participate in PCHA's contracted labor efforts. A prime contractor may satisfy PCHA resident hiring requirements through its subcontractors.

TOTAL LABOR DOLLARS CONSTRUCTION USE TOTAL CONTRACT AMOUNT FOR SERVICE CONTRACTS	RESIDENT AS A % OF TOTAL LABOR DOLLARS
Labor dollars less than \$100,000	10% of the labor dollars
\$100,000, but less than \$200,000	9% of the labor dollars
At least \$200,000, but less than \$300,000	8% of the labor dollars
At least \$300,000, but less than \$400,000	7% of the labor dollars
At least \$400,000, but less than \$500,000	6% of the labor dollars
At least \$500,000, but less than \$1 million	5% of the labor dollars
At least \$1 million, but less than \$2 million	4% of the labor dollars
At least \$2 million, but less than \$4 million	3% of the labor dollars
At least \$4 million, but less than \$7 million	2% of the labor dollars
\$7 million or more	1 - 1/2% of the labor dollars

1. Subcontract or joint venture with a resident owned business. The business must be 51% or more owned by Rainbow Village or Lakeside Terrace public housing residents, section 8 recipients or subcontract/joint venture with a business that employs full-time, 30% or more Rainbow Village or Lakeside Terrace public housing residents, Section 8 recipients or specific low, very low-income, and extremely low-income individuals within a 50 mile radius of the site where the project commences.
2. Direct hiring of qualified Pinellas County Housing Authority's Rainbow Village or Lakeside Terrace public housing residents, Section 8 recipients and/or low and very low-income neighborhood residents and provide job training to Section 3 residents if there are no qualified individuals for open positions.
3. Contractor makes a contribution to PCHA's Education Fund to provide assistance to residents to obtain training. The level of contribution would be commensurate with the sliding scale set forth above.

Assisting Contractors to Achieve Section 3 Goal Hiring and Contracting Goals

The PCHA will assist contractors with little or no experience in achieving Section 3 hiring and contracting goals as follows:

- The contractor submits a list to the designated PCHA staff, of the number and type of subcontracting and/or employment opportunities expected to be generated from the initial contract.
- PCHA's designated staff will provide the contractor with a list of interested and qualified Section 3 residents.
- PCHA's designated staff will provide contractor with a list of appropriate Section 3 business concerns interested and qualified to provide desired services.
- PCHA's designated staff will inform contractor of known issues that might affect Section 3 residents from performing job related duties.
- PCHA's designated staff will review the new hire clause with contractors and subcontractors to ensure that the requirement is understood. It is not intended for contractors and subcontractors to terminate existing employees, but to make every effort feasible to employ Section 3 program participants before any other person, when hiring additional employees needed to complete proposed work to be performed with HUD (federal) funds.

Preference for Contracting with Section 3 Business Concerns

The PCHA, in compliance with Section 3 regulations, will require contractors and subcontractors (including professional service contractors) to direct their efforts towards contracts with Section 3 business concerns in the following order of priority and to expend greatest extent feasible efforts to achieve, at a minimum, the numerical goals PCHA has established:

- **Category 1:** Business concerns that are 51% or more owned by residents of the housing development for which the work is performed, or whose full-time, permanent workforce includes 30% of these persons as employees.
- **Category 2:** Business concerns that are 51% or more owned by residents of the Authority's public housing development(s) other than the housing development where the work is to be performed; or whose full-time permanent workforce includes 30% of these persons as employees.
- **Category 3:** HUD Youthbuild programs being carried out in PCHA's jurisdiction which Section 3 covered assistance is expended.
- **Category 4:** Business concerns that are 51% or more owned by a Section 3 resident(s), or whose permanent, full-time workforce includes no less than 30% Section 3 residents (category 4 business); or that subcontract in excess of 25% of the total amount of subcontracts to Section 3 business concerns.

Contracting goals for awards to Section 3 Business Concerns (CBE) are at least ten percent (10%) of the total dollar amount of all Section 3 related contracts for the building trades work (for rehabilitation, construction, maintenance, repair, modernization or development of public housing and at least three percent (3%) of all other Section 3 contracts.

Bids received from Section 3 Business concerns must be within the maximum total contract price established in PCHA's budget for the specific project, and is not more than "X" higher than the total bid price of the lowest responsive bid from any responsible bidder. "X" is determined as follows:

	x-lesser of:
When the lowest responsive bid is less than \$100,000	10% of that bid or \$9,000.
When the lowest responsive bid is:	
At least \$100,000 but less than \$200,000.....	9% of that bid, or \$16,000.
At least \$200,000 but less than \$300,000.....	8% of that bid, or \$21,000.
At least \$300,000 but less than \$400,000.....	7% of that bid, or \$24,000.
At least \$400,000 but less than \$500,000.....	6% of that bid, or \$25,000.
At least \$500,000 but less than \$1 million.....	5% of that bid, or \$40,000.
At least \$1 million but less than \$2 million.....	4% of that bid, or \$60,000.
At least \$2 million but less than \$4 million.....	3% of that bid, or \$80,000.
At least \$4 million but less than \$7 million.....	2% of that bid, or \$105,000.
\$7 Million or more.....	1-1/2% of the lowest responsive bid, with no dollar limit.

Evidence of Section 3 Certification

Any business seeking Section 3 preference in the awarding of contracts or purchase agreements with the PCHA shall complete the Certification For Business Concerns Seeking Section 3 Preference In Contracting and Demonstration of Capability form (CBE), which can be obtained from the PCHA's designated staff. The business seeking Section 3 preference must be able to provide adequate documentation as evidence of eligibility for preference under the Section 3 Program.

Certifications for Section 3 preference for business concerns must be submitted to the designated staff of the PCHA prior to the submission of bids for approval. If the PCHA designated staff previously approved the business concern to be Section 3 certified, then the certification can be submitted along with the bid.

Resident-Owned Business Contracting

PCHA will consider utilizing the alternative procurement process (Section 24 CFR Part 963) when contracting with businesses owned in substantial part by housing agency residents (resident-owned business) for public housing services, supplies or construction.

To be eligible for the alternative procurement process, a business must submit evidence to PCHA that shows how each of the following requirements have been met:

- submit certified copies of any city, state, or county municipal licenses that support the type of business activity for which it performs.
- disclose to the PCHA designated staff, all owners of the business, as well as, each owners percentage of ownership and names of those individuals who possess the authority to make decisions on a day-to-day basis.
- submit evidence that the business is able to perform successfully under the terms and conditions of the proposed contract.
- provide a certified listing of all contracts awarded and received under the alternative procurement process within a two-year period. If a resident-owned business has received under this alternative contracting procedure one or more contracts (within the two-year period) with total combined dollars of \$1,000,000, then it is no longer eligible for additional contracts under the alternative process until the 2-year period is past.

This alternative procurement policy is based upon the procurement procedure and policy set forth in HUD's regulations at 24 CFR, Part 85.36, but applies only to solicitations of resident-owned businesses. PCHA will utilize the alternative contracting procedure for resident-owned businesses only in cases where it is considered to be in the best business, economic and service interests of the authority.

Efforts to Award Contract Opportunities to Section 3 Business Concerns

The PCHA may use the following methods to notify and contract with Section 3 business concerns when contracting opportunities exist.

- Advertise contracting opportunities via newspaper, mailings, and posting notices that provide general information about the work to be contracted and where to obtain additional information.
- Provide written notice of contracting opportunities to all known Section 3 business concerns. The written notice will be provided in sufficient time to enable business concerns the opportunity to respond to the bid invitation.
- Coordinate pre-bid meetings at which the Section 3 business concerns would be informed of upcoming contracting opportunities in advance.
- Conduct workshops on PCHA's contracting procedures to include bonding, insurance, and other pertinent requirements, in a timely manner in an effort to allow Section 3 business concerns the opportunity to take advantage of any upcoming contracting opportunities.
- Contact the Pinellas County Economic Development Department business assistance agencies, Small Disadvantaged, Minority and Women's Business Enterprise (S/M/WBE) contractor associations, and community organizations to inform them of contracting opportunities and to request their assistance in identifying Section 3 businesses.
- Establish relationships with the Small Business Administration (SBA), Minority and Women's Business Enterprise M/WBE association, Community Development Corporations, and other sources as necessary to assist PCHA with educating and mentoring residents with a desire to start their own businesses.
- Seek out referral sources in order to ensure job readiness for public housing residents through on-the-job-training (OJT) and mentoring to obtain necessary skills that will transfer into the external labor market.
- Develop resources or seek out training to assist residents interested in starting their own businesses to learn to prepare contracts, prepare taxes, obtain licenses, bonding, and insurance.

Section 3 Residents Recruitment, Training, and Employment Goals

PCHA may develop resources to provide training and employment opportunities to Section 3 program participants by implementing the following:

- Advertise training opportunities by distributing flyers, mailings, and posting in common areas of the housing developments as well as all PCHA public housing management offices.
- Contact resident councils as well as neighborhood community organizations to request their assistance in notifying residents of available training and employment opportunities.
- Advertise employment opportunities by posting job vacancies in common areas of all of the PCHA's housing developments as well as contacting resident councils and neighborhood community organizations.
- Develop a database of certified Section 3 residents of public housing and other Section 3 residents, including skill assessment and eligible qualified Section 3 Business concerns.
- Develop relationships with local area employers in an effort to solicit job vacancies to determine skills needed in their workforce, thereby providing training to residents developing skills that will transfer into the external labor market.
- A provision for a specific number of public housing or Section 3 program participants to be trained or employed by the contractor will be incorporated into the contract.

Employment of Section 3 Program Participants

- The PCHA designated staff will conduct a pre-interview with all residents prior to being hired by a contractor.
- The pre-interview will assess job readiness (i.e., childcare, transportation, work maturity, job retention skills). Only residents meeting the minimum qualifications of the contractor or subcontractor will be referred to the job site. Residents not deemed job ready would be referred elsewhere. It is imperative that the resident's basic needs are met prior to employment.
- If a resident is referred to a contractor and does not perform satisfactorily due to poor work habits (i.e., tardiness, absenteeism, alcohol/drugs, abusive language, fighting, etc.) she/he will be allowed two additional opportunities to be referred to other contractors. If after that time the resident still does not perform satisfactorily, it will be mandatory that she/he attend and complete a job readiness class, alcohol/drug treatment center, or any other program that he or she may be required to attend. After successful completion the resident will be given the opportunity to be reinstated on the list of residents available for work.
- Residents experiencing problems with contractors should first communicate the problem to the employer. If the problem cannot be resolved between the employee and employer, the PCHA designated staff will meet with the parties involved to assist in trying to resolve the problem. Residents and employers (contractors or subcontractors) should document problems whenever they occur and record any and all efforts to correct them. Written documentation of the problem should be submitted to the PCHA designated staff.
- In order to qualify for employment with contractors, public housing residents must have their name(s) on a PCHA lease, be current on rent, be at least eighteen years of age, and not be involved in any legal action with PCHA (current documented eviction, criminal and drug activity, trespassing, etc.)
- Residents not interested in construction employment opportunities will be assessed for other skills (clerical, administrative, etc.) and will have the opportunity to receive referrals for help with interviewing techniques, mock interviews, resume preparation, application assistance, employment leads, and how to dress for success when conducting a job search.
- Residents interested in pursuing General Equivalency Diploma (GED) and continued training education will be referred to those resources.

Contractor's Requirements in Employing Section 3 participants:

Under the Pinellas County Housing Authority's Section 3 Program, contractors and subcontractors are required to:

- Provide employment opportunities to Section 3 residents/participants in the priority order listed below:
 - - a) **Category 1 - Section 3 Resident**
Residents of the housing development for which the contract shall be expended.
 - b) **Category 2 - Section 3 Resident**
Residents of other PCHA housing developments.
 - c) **Category 3 - Section 3 Resident**
Participants in HUD Youthbuild program being carried out in the project boundary area.
 - d) **Category 4 – Section 3 Resident**
Section 8 recipients and other eligible residents residing within 50 miles of the work to be completed (project), as established by PCHA, who meet the income guidelines for Section 3 preferences (refer to 24 CFR 135.5 Definitions).
- After the award of contracts, the contractor must, prior to beginning work provide the following:
 - names of the Section 3 business concerns (CBE) to be utilized,
 - estimates of the number of employees to be utilized for contract,
 - projected number of available positions, to include job descriptions and wage rates (construction wages consistent with Davis Bacon),
 - efforts that will be utilized to seek Section 3 participants. (See Exhibit 2)
- Contractors must notify the PCHA designated staff of their interests regarding employment of Section 3 participants prior to hiring. The PCHA designated staff will ensure that the participant is Section 3 eligible, by assessing the Section 3 database to ensure job readiness and lease status (resident in good standing, not involved in any legal proceedings against/with the PCHA, etc.).
- Submit a list of core employees (including administrative, clerical, planning and other positions pertinent to the construction trades) at the time of contract award.

- Document the performance of Section 3 participants (positive and negative), regarding punctuality, attendance, etc., and provide this information to the PCHA designated staff.
- Immediately notify the PCHA designated staff of any problems experienced due to the employment of Section 3 participants.
- Immediately notify the PCHA designated staff if a participant quits, walks off, or is terminated for any reason. The contractor must provide written documentation of all such incidents to support such decisions to the PCHA designated staff to determine if an investigation is warranted.

The types of employment opportunities generated by Section 3 covered assisted projects include management, administrative, and all construction trades (skilled and unskilled).

PCHA's Internal Section 3 Complaint Procedure

In an effort to resolve complaints generated due to non-compliance through an internal process, PCHA encourages submittal of such complaints to its PCHA designated staff as follows:

- Complaints of non-compliance should be filed in writing and must contain the name of the complainant and a brief description of the alleged violation of 24 CFR 135.
- Complaints must be filed within thirty (30) calendar days after the complainant becomes aware of the alleged violation.
- An investigation will be conducted if complaint is found to be valid. The PCHA designated staff will conduct an informal, but thorough investigation affording all interested parties, if any, an opportunity to submit testimony and/or evidence pertinent to the complaint.
- The PCHA designated staff will provide written documentation detailing the findings of the investigation to the Executive Director. The Executive Director will review the findings for accuracy and completeness before it is released to complainants. The findings will be made available no later than thirty (30) days after the filing of complaint.

If complainants wish to have their concerns considered outside of the PCHA, a complaint may be filed with the local HUD FHEO Office or to:

Assistant Secretary for Fair Housing and Equal Opportunity
United States Department of Housing and Urban Development
451 Seventh Street, SW, Room 5100
Washington, DC 20410-2000
1-800-669-9777
1-800-927-9276 (TTY)
www.hud.gov www.espanol.hud.gov

The complaint must be received not later than 180 days from the date of the action or omission upon which the complaint is based, unless the time for filing is extended by the Assistant Secretary for good cause shown.

External Section 3 Complaint Procedure

Individuals and business concerns may, personally or through an authorized representative, file with the Executive Director of PCHA any complaints alleging noncompliance with Section 3 involving PCHA contracts at the following address:

Mrs. Debra Johnson
Executive Director/CEO
Pinellas County Housing Authority
11479 Ulmerton Road
Largo, Florida 33778

If the complaint cannot be satisfied through PCHA, the Assistant Secretary may be contacted for further resolution:

- Complaints of non-compliance should be filed in writing to the local HUD FHEO office or to:

Assistant Secretary for Fair Housing and Equal Opportunity
United States Department of Housing and Urban Development
451 Seventh Street, SW, Room 5100
Washington, DC 20410-2000
1-800-669-9777
1-800-927-9276 (TTY)

www.hud.gov

www.espanol.hud.gov

A written complaint should contain:

- Name of person filing the complaint;
- Name and address of subject of complaint (HUD recipient or contractor);
- Description of acts or omissions in alleged violation of Section 3;
- Statement of corrective actions sought.

Complaints must be filed within thirty (30) calendar days after the complainant becomes aware of the alleged violation.

Definitions

Applicant - Any entity which makes an application for Section 3 covered assistance, and includes, but is not limited to, any State, unit of local government, public housing agency or other public body, public or private nonprofit organization, private agency or institution, mortgagor, developer, limited dividend sponsor, builder, property manager, community housing development organization, resident management corporation, resident council, or cooperative association.

Assistant Secretary - the Assistant Secretary for Fair Housing and Equal Opportunity.

Business concern - a business entity formed in accordance with State law, and which is licensed under State, county or municipal law to engage in the type of business activity for which it was formed.

Contractor - any entity which contracts to perform work generated the expenditure of Section 3 covered assistance, or for work in connection with a Section 3 covered project.

Davis Bacon Act - The Davis-Bacon Act requires the payment of prevailing wage rates (which are determined by the U.S. Dept. of Labor) to all laborers and mechanics on Federal Government construction projects in excess of \$2,000. Construction includes alteration and/or repair, including painting and decorating of public buildings or public works.

Employment Opportunities Generated by Section 3 Covered Assistance - all employment opportunities generated by the expenditure of Section 3 covered public assistance (i.e., operating assistance, development assistance and modernization assistance, (as described in Section 135.3 (a) (1)). With respect to Section 3 covered housing and community development assistance, this term means all employment opportunities arising in connection with Section 3 covered projects (as described in Section 135.3 (a) (2)), including management and administrative jobs. Management and administrative jobs include architectural, engineering or related professional services required to prepare plans, drawings, specifications, or work write-ups; and jobs directly related to administrative support of these activities, e.g., construction manager, relocation specialist, payroll clerk, etc.

Extremely Low-income person - families (including single persons) whose incomes do not exceed 30 per centum of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 30 per centum of the median for the area on the basis of the Secretary's findings that such variations are necessary because of prevailing levels of construction costs or unusually high or low-income families

Housing Authority (HA) - Public Housing Agency.

Housing Development - low-income housing owned, developed, or operated by public housing agencies in accordance with HUD's public housing program regulations codified in 24 CFR Chapter IX.

HUD Youthbuild Programs - programs that receive assistance under subtitle D of Title IV of the National Affordable Housing Act, as amended by the Housing and Community Development Act of 1992 (42 U.S.C. 12899), and provide disadvantaged youth with opportunities for employment, education, leadership development, and training in the construction or rehabilitation of housing for homeless individuals and members of low- and very low-income families.

Low-income person - families (including single persons) whose incomes do not exceed 80 per centum of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 80 per centum of the median for the area on the basis of the Secretary's findings that such variations are necessary because of prevailing levels of construction costs or unusually high or low-income families.

Metropolitan Area - a metropolitan statistical area (MSA), as established by the Office of Management and Budget.

Neighborhood Area - (For HUD Housing Programs) a geographical location defined as an economically depressed area of Pinellas County by the PCHA.

New Hires - full-time employees for permanent, temporary or seasonal employment opportunities.

Recipient - any entity which receives Section 3 covered assistance, directly from HUD or from another recipient and includes, but is not limited to, any State, unit of local government, PHA, or other public body, public or private nonprofit organization, private agency or institution, mortgagor, developer, limited dividend sponsor, builder, property manager, community housing development organization, resident management corporation, resident council, or cooperative association. Recipient also includes any successor, assignee or transferee of any such entity, but does not include any ultimate beneficiary under the HUD program to which Section 3 applies and does not include contractors.

Section 3 - Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701u).

Section 3 Business Concern - a business concern,

- 1) That is 51 percent or more owned by Section 3 residents; or

- 2) Whose permanent, full-time employees include persons, at least 30 percent of whom are currently Section 3 residents, or within three years of the date of first employment with the business concern were Section 3 residents; or
- 3) That provides evidence of a commitment to subcontract in excess of 25 percent of the dollar award of all subcontracts to be awarded to business concerns that meet the qualifications set forth in paragraphs 1 or 2 above.

Section 3 Covered Assistance -

- 1) public housing development assistance provided pursuant to Section 5 of the 1937 Act;
- 2) public housing operating assistance provided pursuant to Section 9 of the 1937 Act;
- 3) public housing modernization assistance provided pursuant to Section 14 of the 1937 Act;
- 4) assistance provided under any HUD housing or community development program that is expended for work arising in connection with housing rehabilitation, construction, or other public construction project (which includes other buildings or improvements, regardless of ownership).

Section 3 Clause - the contract provisions set forth in Section 135.38.

Section 3 Covered Contracts - a contract or subcontract (including a professional service contract) awarded by a recipient or contractor for work generated by the expenditure of Section 3 covered assistance, or for work arising in connection with a Section 3 covered project.

Section 3 covered contracts do not include contracts awarded under HUD's procurement program, which are governed by the Federal Acquisition Regulation (FAR). Section 3 covered contracts also do not include contracts for the purchase of supplies and materials. However, whenever a contract for materials includes the installation of the materials, the contract constitutes a Section 3 covered contract.

Section 3 Covered Project - the construction, reconstruction, conversion or rehabilitation of housing (including reduction and abatement of lead-based paint hazards), other public construction which includes buildings or improvements (regardless of ownership) or other services contracted by PCHA assisted with housing or community development assistance.

Section 3 Resident - a public housing resident or an individual who resides in the metropolitan area or Non-metropolitan County in which the Section 3 covered assistance is expended and who is considered to be a low- and very low-income person.

Subcontractor - any entity (other than a person who is an employee of the contractor) which has a contract with a contractor to undertake a portion of the contractor's obligation for the performance of work generated by the expenditure of Section 3 covered assistance, or arising in connection with a Section 3 covered project.

Very low-income person - families (including single persons) whose incomes do not exceed 50 per centum of the median family income for the area, as determined by the Secretary with adjustments for smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 50 per centum of the median for the area on the basis of the Secretary's findings that such variations are necessary because of unusually high or low family incomes.

Section 3 Contract Clause

This clause specifies the requirements for contractors awarded contracts for Section 3 covered projects and must be included in all Section 3 covered projects. The Section 3 clause follows:

- A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended 12 U.S.C. 1701u Section 3. The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- B. The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.
- C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; the name and location of the person(s) taking applications for each of the positions; and, the anticipated date the work shall begin.
- D. The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- E. The contractor will certify that any vacant employment positions, including training positions, that are filled 1) after the contractor is selected but before the contract is executed, and 2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

- F. Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

- G. With respect to work performed in connection with Section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

This contracting clause is the sole purpose for which all Section 3 efforts are monitored for compliance.



PINELLAS COUNTY HOUSING AUTHORITY

SECTION 3 CONTRACTING
Policy and Procedure



Section 3 Contracting Policy and Procedure

INTRODUCTION

Mission Statement

As a leader and innovator, our mission is to provide safe, quality housing for persons in need and to cultivate healthy, vibrant neighborhoods for Pinellas County.

The purpose of Section 3 of the Housing and Urban Development Act of 1968 (12 U.S.C. 1701u) (Section 3) is to ensure that employment and other economic opportunities generated by certain HUD financial assistance shall, to the greatest extent feasible, and consistent with existing Federal, State, and local laws and regulations, be directed to low and very-low income individuals, especially recipients of government assistance for housing, and to businesses that provide economic opportunities to low and very-low income individuals. All contractors must comply with the Davis Bacon Act. (Section 3 means section 3 of the Housing and Urban Development Act of 1968, as amended 12 U.S.C. 1701u).

Section 3 requirements apply to all contractors and subcontractors performing work in connection with projects and activities funded by public housing assistance covered by Section 3, regardless of the amount of the contract or subcontract.

A business seeking to qualify for a Section 3 contracting preference shall certify or submit evidence that the business qualifies as a Section 3-business. (Refer to What Is A Section 3 Business?). The Section 3 business must also be able to demonstrate its ability to complete the contract. The ability to perform successfully under the terms and conditions of the proposed contract is required of all contractors and subcontractors subject to the procurement standards of 24 CFR 85.36, 24 CFR 85.36b(8).

Contractors who do not qualify as a Section 3 business, but who enter into contracts with the Pinellas County Housing Authority must agree to comply with the required Section 3 Clause, attached hereto. All contractors and subcontractors, including Section 3 businesses, must comply with these requirements. Included, is the requirement that each contractor and subcontractor submit a report of Section 3 compliance with each pay request (refer to Section 3 Compliance Report). Failure to comply with these

requirements may lead to sanctions, which can include termination of the contract for default and suspension or debarment from future HUD-assisted contracts (refer to Sanctions for Contractor's Noncompliance).

Please direct any questions you may have regarding this information to:

Regina Booker
Chief Operating Officer
Pinellas County Housing Authority
(727) 443-7684 X3050
Email Address: rbooker@pinellashousing.com

WHAT IS A SECTION 3 BUSINESS?

A Section 3 Business is a business, as defined in this section--

1. That is fifty-one percent (51%) or more owned by Section 3 residents; or
2. In which at least thirty percent (30%) of its permanent, full-time employees include persons who are certified as Section 3 residents, or whom within three years of the date of first employment were Section 3 residents; or
3. That provides evidence of a commitment to subcontract to businesses that meet the qualifications set forth in items (1) or (2) above, in excess of twenty-five percent (25%) of the dollar award of all subcontracts to be awarded.

Note: A business concern seeking to qualify for Section 3 shall certify and submit evidence that the business meets one of the guidelines stated above. (Refer to Certification for Business Concerns Seeking Section 3 Preference in Contracting and Demonstration of Capability Form – Page 11).

WHO IS A SECTION 3 RESIDENT?

For purposes of the Pinellas County Housing Authority, a Section 3 resident is:

1. A public housing resident;
2. Youthbuild participants;
3. Section 8 recipients and other individuals who reside in the jurisdictional boundaries of the Pinellas County Housing Authority whose income fall within the guidelines for low and very low-income persons.

ORDER OF PROVIDING PREFERENCE SECTION 3 BUSINESS CONCERN

When considering the award of contracts to Section 3 business concerns, and more than one Section 3 business concern is being considered, to the greatest extent possible, awards shall be made in the following order of priority:

1. A Section 3 business concern that is fifty-one percent (51%) or more owned by resident(s) of the public housing development in which the work is directed, or whose full-time, permanent employees include at least thirty percent (30%) of the residents of the public housing development in which the work is directed.
2. A Section 3 business that is majority owned by resident(s) of other developments owned by the Pinellas County Housing Authority, but not the housing development in which the work is directed, or whose full-time, permanent employees include at least thirty percent (30%) residents of other developments owned by the Pinellas County Housing Authority, but not the housing development in which the work is directed.
3. HUD Youthbuild programs that are being carried out in the area in which the Section 3 covered assistance is expended.
4. A Section 3 business concern that is majority owned by a Section 3 resident who is not a public housing resident or whose permanent, full-time, permanent workforce includes no less than thirty percent (30%) Section 3 residents who are not public housing residents, or subcontracts in excess of twenty-five percent (25%) of the total amount of subcontracts to Section 3 business concerns.

Contracting goals for Section 3 business concerns are at least ten percent (10%) of the total dollar amount of all Section 3 related contracts for the building trades work (for rehabilitation, construction, maintenance, repair, modernization or development of public housing) and at least three percent (3%) of all other Section 3 contracts.

Note: A Section 3 business concern seeking any of the above preferences shall submit evidence that it meets the guidelines of that preference.

WHAT IF MY BUSINESS DOES NOT QUALIFY AS A SECTION 3 BUSINESS?

The Housing Authority will, to the greatest extent feasible, offer contracting opportunities to Section 3 business concerns. However, in the event no Section 3 business bids on a contract, or bids but is not able to demonstrate to the Housing Authority's satisfaction that it has the ability to perform successfully under the terms and conditions of the proposed contract, then that contract will be awarded to a non-Section 3 business concern that can meet the terms and conditions of the proposed contract through the competitive bidding process.

That business concern must meet, as all businesses must (including Section 3 businesses), the general conditions of compliance (refer to Section 3 Clause in General Conditions for Construction Contracts and General Conditions of the Non-Construction Contract).

This will include:

1. Submitting a list of all positions necessary to complete contract, names of employees who will fill those positions, names of all other employees.
2. Posting notices of any vacant positions, including training and/or apprenticeship positions, qualifications for positions, place where applications will be received and starting date of employment.
3. To the greatest extent possible, making available vacant positions, including training and/or apprenticeship positions, to Section 3 residents (all categories) in order of priority.
4. As positions are vacated during completion of contract, following guidelines enumerated in numbers 2 and 3 above.
5. Submitting Compliance Reports as required.
6. If notified of non-compliance, correcting non-compliance within allowable time period.

ORDER OF PROVIDING PREFERENCE EMPLOYMENT OF SECTION 3 RESIDENT

When considering the employment of a Section 3 resident, the following order of priority is followed as outlined in 24 CFR 135:

- 1. Category 1 – Section 3 Resident**
Residents of the housing development in which the contract shall be expended.
- 2. Category 2 – Section 3 Resident**
Residents of other housing developments managed by the Pinellas County Housing Authority.
- 3. Category 3 – Section 3 Resident**
Participants in HUD Youthbuild program being carried out within PCHA's jurisdictional boundary.
- 4. Category 4 – Section 3 Resident**
Section 8 recipients and all other residents within PCHA's jurisdictional boundary who meet the income guidelines for Section 3 preference (refer to Section 3 Income Limits).

In all cases, applicants must meet the minimum qualifications for the position. In no instance shall it be construed that preference is given to Section 3 residents who do not meet these minimum qualifications.

The types of employment opportunities generated by Section 3 covered assisted projects include management, administrative, and all construction trades (skilled and unskilled).

SECTION 3 CLAUSE

- A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended 12 U.S.C. 1701u Section 3. The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- B. The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.
- C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; the name and location of the person(s) taking applications for each of the positions; and, the anticipated date the work shall begin.
- D. The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- E. The contractor will certify that any vacant employment positions, including training positions, that are filled 1) after the contractor is selected but before the contract is executed, and 2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.
- F. Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
- G. With respect to work performed in connection with Section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

**CERTIFICATION FOR BUSINESSES SEEKING SECTION 3 PREFERENCE IN
CONTRACTING AND DEMONSTRATION OF CAPABILITY**

Name of Business _____

Address of Business _____

Type of Business: Corporation Partnership LLC
 Sole Proprietorship Joint Venture Other

Attached is the following documentation as evidence of status:

For business claiming status as a Section 3 resident-owned enterprise:

- Copy of resident lease
- Copy of evidence of participation in a public assistance program
- Copy of receipt of public assistance
- Other evidence

For the business entity as applicable:

- Copy of Articles of Incorporation
- Assumed Business Name Certificate
- List of owners/stockholders and % ownership of each
- Organization chart with names and titles and brief function statement
- Certificate of Good Standing
- Partnership Agreement
- Corporation Annual Report
- Latest Board minutes appointing officers
- Additional documentation

For business claiming Section 3 status by subcontracting 25 percent of the dollar awarded to qualified Section 3 business:

- List of subcontracted Section 3 business(es) and subcontract amount

For business claiming Section 3 status, claiming at least 30 percent of their workforce are currently Section 3 residents or were Section 3 eligible residents within 3 years of date of first employment with the business:

- List of all current full-time employees
- PHA/IHA Residential lease less than 3 years from date of employment
- List of employees claiming Section 3 status
- Other evidence of Section 3 status less than 3 years from date of employment

Evidence of ability to perform successfully under the terms and conditions of the proposed contract (attach all documents below):

- Current financial statement
- Statement of ability to comply with public policy
- List of owned equipment
- List of all contracts for the past two years

Authorizing Name and Signature

Print Authorized Name

Attested by: _____

Date: _____

(Corporate Seal)

PINELLAS COUNTY HOUSING AUTHORITY

**RESIDENT EMPLOYMENT OPPORTUNITY DATA
ELIGIBILITY FOR PREFERENCE**

Eligibility for Preference

A Section 3 resident seeking the preference in training and employment provided by this part shall certify, or submit evidence to the recipient contractor or subcontractor, if requested, that the person is a Section 3 resident, as defined in Section 135. (An example of evidence of eligibility for the preference is evidence of receipt of public assistance, or evidence of participation in a public assistance program.)

Certification for Resident Seeking Section 3 Preference in Training and Employment

I, _____, am a legal resident of _____
(County)

and meet the income eligibility guidelines for a low- or very-low-income person as published on the reverse.

My permanent address is:

I have attached the following documentation as evidence of my status:

<input type="checkbox"/> Copy of lease	<input type="checkbox"/> Copy of receipt of public assistance
<input type="checkbox"/> Copy of Evidence of participation in a public assistance program.	<input type="checkbox"/> Other evidence _____ _____

Signature _____ Date _____

Print Name _____

Email Address _____

**PINELLAS COUNTY HOUSING AUTHORITY
Section 3 INCOME LIMITS for 2016**

All residents of public housing developments of the Pinellas County Housing Authority qualify as Section 3 residents. Additionally, individuals residing within the PCHA's jurisdictional boundary who meet the income limits set forth below may also qualify for Section 3 resident status.

A picture identification card and proof of current residency is required.

Eligibility Guideline

Number in Household	Low Income
1 individual	\$33,150
2 individuals	\$37,900
3 individuals	\$42,650
4 individuals	\$47,350
5 individuals	\$51,150
6 individuals	\$54,950
7 individuals	\$58,750
8 individuals	\$62,550

Resident Hiring Requirements

The PCHA has adopted the following scale for resident hiring that is to be used on all construction contracts, service contracts and professional service contracts that contain a labor component. It is expected that an appropriate number of residents with particular qualifications or a willingness to provide unskilled labor will be able to participate in PCHA's contracted labor efforts. A prime contractor may satisfy PCHA resident hiring requirements through its subcontractors.

USE TOTAL LABOR DOLLARS FOR CONSTRUCTION USE TOTAL CONTRACT AMOUNT FOR SERVICE CONTRACTS	RESIDENT AS A % OF TOTAL LABOR DOLLARS
Labor dollars less than \$100,000	10% of the labor dollars
\$100,000, but less than \$200,000	9% of the labor dollars
At least \$200,000, but less than \$300,000	8% of the labor dollars
At least \$300,000, but less than \$400,000	7% of the labor dollars
At least \$400,000, but less than \$500,000	6% of the labor dollars
At least \$500,000, but less than \$1 million	5% of the labor dollars
At least \$1 million, but less than \$2 million	4% of the labor dollars
At least \$2 million, but less than \$4 million	3% of the labor dollars
At least \$4 million, but less than \$7 million	2% of the labor dollars
\$7 million or more	1 - 1/2% of the labor dollars

1. Subcontract or joint venture with a resident owned business. The business must be 51% or more owned by Rainbow Village or Lakeside Terrace public housing residents, or subcontract/joint venture with a business that employs full-time, 30% or more Rainbow Village or Lakeside Terrace public housing residents, or specific low, very low-income, and extremely low-income individuals within a 50 mile radius of the site where the project commences.
2. Direct hiring of qualified Pinellas County Housing Authority's Rainbow Village or Lakeside Terrace public housing residents, or Section 8 recipients and/or low and very low-income neighborhood residents and provide job training to Section 3 residents if there are no qualified individuals for open positions.
3. Contractor contributes to PCHA's Resident Education Fund to assist residents to obtain training. The level of contribution would be commensurate with the sliding scale set forth above.



EXHIBIT R

**Listing of All Contracts from the Past Three (3) Years
*to be provided by Bidder on company letterhead**



EXHIBIT S

Contract (Sample)



**CONTRACT BETWEEN
THE PINELLAS COUNTY HOUSING AUTHORITY
AND _____
FOR RESIDENTIAL HOME REMODEL**

CONTRACT# 17-002

THIS AGREEMENT made as of this _____ day of _____ in the year of Two Thousand Seventeen (2017) by and between the Pinellas County Housing Authority (PCHA), a public body corporate and politic organized under the laws of the State of Florida, with its principal place of business located at 11479 Ulmerton Road, Largo, Florida 33778, and _____, with its principal place of business located at _____, hereafter referred to collectively as "Provider".

WITNESSETH, that the Provider and PCHA for the consideration stated herein mutually agree as follows:

ARTICLE 1. Statement of Work. Provider will furnish all necessary materials, equipment and labor to provide general contractor services to renovate, and construct an addition to, a PCHA-owned single family residence located at 12065 134th Place North, Largo, FL 33778. The work is further described in IFB# 17-002 and Provider's bid attached hereto as Part A and Part B, respectively.

ARTICLE 2. Term. Services provided by Provider hereunder shall commence upon execution of this Contract, issuance of a Notice to Proceed, or the receipt of necessary permits, whichever is later, and shall last for a period not exceeding one hundred five (105) business days.

ARTICLE 3. Contract Price. PCHA shall pay Provider for the performance of the Contract in current funds for a firm fixed fee in the amount of _____ and ___/100 Dollars (\$_____) to include the entire scope of work as identified in IFB# 17-002.

ARTICLE 4. Payment. PCHA will pay Provider within thirty (30) days of receipt of approved applications for payment. PCHA will pay Provider for services as listed in Provider's bid attached hereto as Part B.

ARTICLE 5. Venue and Jurisdiction. In the event that a cause of action arises, either at law or in equity, from or in reference to this Agreement (including those documents incorporated by reference and attached hereto) both parties agree that such action shall be filed and pursued only in the appropriate State or Federal court located in Pinellas County, Florida, or the nearest venue thereto if not located directly as specified herein. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida.

ARTICLE 6. Insurance. Provider agrees to provide insurance certifications as stated in IFB# 17-002 prior to commencement of services as prescribed in Article 1. Should the insurance lapse or terminate, Provider agrees to acquire new coverage within ten (10) days of such lapse or termination.

ARTICLE 7. Indemnification. In the course of performing the services under this Agreement, the Provider shall assume full liability for any and all claims and demands for injury and property damage caused by its employees, agents, subcontractors or equipment. To the extent any such claim is made or determined payable against PCHA, the Provider further shall indemnify and hold PCHA harmless therefore. This shall include any and all claims arising from the implementation of this Agreement and arising from the performance of services undertaken by the Provider, its employees, subcontractors or agents and arising out of any other operation no matter by whom performed for and on behalf of the Provider, whether or not due in whole or in part to conditions, acts, or omissions done or permitted by the Provider or PCHA. No remedy herein provided shall be deemed exclusive of any other remedy allowed at law or in equity.

ARTICLE 8. Termination. PCHA shall have the right to terminate this Agreement, with or without cause, in accordance with the General Conditions for Construction Contracts, attached hereto as Part F.

ARTICLE 9. No Duty Except as Expressly Stated. There shall be no duty owed by either party to this Agreement except those that are expressly stated herein.

ARTICLE 10. Retention of Records. Provider agrees to the retention of all records pertinent to this Contract for ten (10) years after PCHA makes final payment hereunder.

ARTICLE 11. Personnel. A list of personnel who shall be employed by Provider to perform the services described herein, and any subcontractors and substitutions for named personnel shall be subject to PCHA review and approval. Provider shall not terminate and replace approved personnel and/or subcontractors without adequate notification to PCHA. Provider will state in its subcontracts that the subcontracts are assignable to PCHA at PCHA's discretion. Provider will not employ or otherwise incur an obligation to pay other specialists or experts for services in connection with services herein without prior approval of the Executive Director.

ARTICLE 12. Warranties, Representations and Special Conditions. In connection with the execution of this Agreement, the Provider warrants and represents:

That the Provider has carefully examined and analyzed the provisions and requirements of this Agreement including the attachments and exhibits hereto, and that it understands the nature of the services required hereunder;

That, except for those representations, statements, or promises expressly contained in this Agreement, and any exhibits or attachments hereto, no representation, statement or promise, oral or in writing, or of any kind whatsoever, by PCHA, its officials, agents, or employees, to induce the Provider to enter into this Agreement or has been relied upon by the Provider;

That the Provider and, to the best of its knowledge, its subcontractors, if any, are not in violation of any applicable laws of the State of Florida;

That the Provider acknowledges that PCHA, in its selection of the Provider to perform the services hereunder, materially relied upon the Provider's supplied information to select it for the performance of these services;

The Provider understands and agrees that any certification, affidavit or acknowledgement made under oath in connection with this Agreement is made under penalty of perjury and, if false, is also cause for termination of this Agreement;

That it is financially solvent, that it and each of its employees, agents, Provider or any of them is competent to perform the services required under this Agreement; and that the Provider is legally authorized to execute and perform or cause to be performed this Agreement under the terms and conditions stated herein;

That no officer, agent, or employee of PCHA is employed by the Provider or has a financial interest directly or indirectly in this Agreement or the compensation to be paid hereunder except as may be permitted in writing by PCHA and that no payment, gratuity or offer of employment shall be made in connection with this Agreement by or on behalf of any subcontractors to the Provider or higher tier subcontractors or anyone associated therewith as an inducement for the award of a subcontract or order of goods or equipment; and the Provider further acknowledges that any Agreement entered into, negotiated or performed in violation of any of the provisions set forth herein shall be voidable as to PCHA;

That the Provider shall not knowingly use the services of any ineligible subcontractors or consultant for any purpose in the performance of its services under this Agreement;

That the Provider and its subcontractors, if any, are not in default at the time of the execution of this Agreement, or deemed to have, within ten (10) years immediately preceding the date of this Agreement, been found to be in default on any Agreement awarded by PCHA or HUD, and/or discharged by PCHA or HUD from its employ in the past ten (10) years;

That the Agreement is feasible to perform in accordance with all of its provisions and requirements and the Provider can and shall perform, or cause to be performed, the services in accordance with the provisions and requirements of this Agreement.

ARTICLE 13. Business Documents To the extent applicable, the Provider shall provide copies of business licenses, applicable permits, its latest articles of incorporation, by-laws and resolutions, and evidence of its authority to do business in the State of Florida, including, without limitation, registration as a foreign corporation or registrations of assumed names or limited partnerships and certifications of good standing with the Office of the Secretary of the State of Florida, at the request of PCHA at any time during the term of this Contract.

ARTICLE 14. Public Records To the extent applicable, the Provider shall provide access to public records in accordance with the requirements of Florida Statutes § 119.0701.

ARTICLE 15. Notice of Claim Any claims for construction defects are subject to the notice and cure provisions of Chapter 558, Florida Statutes.

ARTICLE 16. Contract Documents The Contract shall consist of the following component parts the terms and conditions of which being binding upon the Provider regardless of whether the Provider is referenced as the Proposer, Successful Proposer, Bidder/Offeror or Provider, as is fully set forth in this Contract.

This Instrument and:

- Part A. IFB# 17-002 and All Exhibits and Addenda
- Part B. Provider's Bid Dated _____

- Part C. Provider's Certificate of Insurance, Naming PCHA as Additional Insured
- Part D. Notice to Proceed
- Part E. Payment and Performance Bond
- Part F. General Conditions for Construction Contracts (form HUD-5370)
- Part G. Davis Bacon General Decision Number FL170124, Modification# 0, Dated 01/06/2017
- Part H. Section 3 Opportunities Plan

In the event of a conflict between the General Conditions and any part of this contract, the General Conditions will prevail.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed in **TWO** (2) original counterparts as of the day and year first above written.

SIGNED this _____ day of _____, 2017.

PINELLAS COUNTY
HOUSING AUTHORITY

BY: _____

BY: _____

NAME: Debra Johnson

NAME: _____

TITLE: Executive Director

TITLE: _____

BUSINESS ADDRESS:
11479 Ulmerton Road
Largo, FL 33778

BUSINESS ADDRESS:

WITNESS:

WITNESS:



EXHIBIT T

Notice to Proceed (Sample)



PINELLAS COUNTY HOUSING AUTHORITY

NOTICE TO PROCEED

CONTRACTOR NAME:
STREET ADDRESS:
CITY,STATE,ZIP:

CONTRACT NO.: 17-002
DATE:
PROJECT: Residential Home Remodel

TELEPHONE :
FAX:

LOCATION: 12065 134th Place North
Largo, Florida 33778

TO WHOM IT MAY CONCERN:

Pursuant to the terms of your Agreement dated _____, 2017 with PCHA for Contract Number 17-002, you are hereby notified and are hereby authorized to commence work as stated in Article 1 of Contract# 17-002, for said work described in IFB# 17-002, at the start of business on _____, 2017.

Please note carefully and fulfill the requirements of the General Conditions for Construction Contracts relative to the submittal and approval of Workers' Compensation and Contractors' public liability insurance.

You are informed that Danielle Leishman, 727-443-7684, extension 3025, is duly authorized to administer your contract for, and in the name of, the Pinellas County Housing Authority.

Under separate cover, there is being forwarded to you one set of the contract documents.

Please acknowledge receipt of this Notice by signing and dating two (2) copies. Please retain one fully executed document for your files and return one fully executed original promptly to this office.

ACCEPTED:

(NAME OF CONTRACTOR)

PINELLAS COUNTY HOUSING AUTHORITY

BY: _____
NAME: _____
TITLE: _____

BY: _____
NAME: Debra Johnson
TITLE: Executive Director

DATE: _____, 2017



EXHIBIT U

Labor and Material Payment Bond (Sample)

LABOR AND MATERIAL PAYMENT BOND

THIS BOND IS ISSUED SIMULTANEOUSLY WITH PERFORMANCE BOND IN FAVOR OF THE OWNER CONDITIONED ON THE FULL AND FAITHFUL PERFORMANCE OF THE CONTRACT

KNOW ALL MEN BY THESE PRESENT:

as Principal, hereinafter called Contractor, and,

as Surety, hereinafter called Surety, are held and firmly bound unto the Pinellas County Housing Authority as Obligee, hereinafter called Owner, for the use and benefit of claimants as hereinbelow defined, in the amount of _____ for the payment whereof Contractor and Surety bind themselves, their heirs, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Contractor has by written agreement, dated _____, entered into a contract with the Owner for _____, Project Number _____ in accordance with Drawings and Specifications prepared by _____ which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

THE CONDITIONS OF THIS BOND ARE AS FOLLOWS:

1. Contractor shall promptly make all payments owing when due to all persons who are defined in Section 713.10, Florida Statutes, whose claims derive directly or indirectly from the prosecution of the work provided for in the Contract, then this Bond is void; otherwise, it remains in full force and effect.
2. Each said claimant shall have a right of action against the Contractor and Surety for the amount due him. No such action shall subject the Obligee to any cost, expense, loss of damage, and Contractor shall promptly pay Obligee for the full measure of all cost, expense, loss, damage, and attorney's fees sustained by Obligee as a result of any default by Contractor under the contract.
3. Pursuant to Section 255.05, Florida Statutes, a claimant, except a laborer, who is not in privity with the Contractor and who has not received payment for his labor, materials, equipment or supplies shall, within forty-five (45) days after beginning to furnish labor, materials, equipment or supplies for the prosecution of the work furnish the Contractor with a

notice that i.e. intends to look to the Bond for protection. A claimant who is not in privity with the Contractor and who has not received payment for his labor, materials, equipment or supplies shall, within ninety (90) days after completion performance of the labor or after completing delivery of the materials, equipment or supplies, deliver to the Contractor and to the Surety written notice of the performance of the labor or delivery of the materials, equipment or supplies and the nonpayment. No action for the labor, materials, equipment or supplies may be instituted against the Contractor or the Surety after one year from the date performance of the labor is completed or delivery of the materials, equipment or supplies is completed.

4. An action against the Surety or the Contractor or both, may be brought in the county in which the public building or public work is being constructed or repaired or in any other place authorized by the provisions of Chapter 47, Florida Statutes.
5. The amount of this Bond shall be changed only to the extent that the contract sum is changed in accordance with applicable provisions of the Contract for Construction.
6. Neither any change in or under the Contract documents, nor any compliance or noncompliance with any formalities provided in the Contract or the change shall relieve the Surety of its obligations under this Bond.

Date Signed and Sealed by All Parties

Signature of Witness

Signature of Contractor (Seal)

Type Name and Title

Signature of Witness

Signature of Attorney-in-Fact (Seal)

Type Name

Signature of Witness

Signature of Florida Resident Agent

Type Name and Social Security Number

Power of Attorney attached hereto

NOTES CONCERNING SURETY AND EXECUTION

A. SURETY COMPANY REQUIREMENTS

To be acceptable to the Owner, a Surety Company shall comply with all the requirements of the Conditions of the Contract.

B. EXECUTION OF BOND

1. Enter the Surety Company's name and address on each copy of the Bond in the space provided.
2. Enter the date shown on page 1 of the Agreement in the space provided on each copy of the Bond.
3. Enter the date of execution on each copy of the Bond in the space provided. This date must be the same as the date shown on page 1 of the Agreement.
4. Have each copy of the Bond signed by the same person that signed the Agreement on behalf of the Contractor. Type in that person's name and title in the place provided on each copy of the Bond, and have one other individual witness that person's signature on each copy of the Bond. Also, have the Contractor's corporate seal affixed to each copy of the Bond beside that person's signature (No facsimiles are acceptable).
5. Have each copy of the Bond signed by the person authorized to sign on behalf of the Surety Company. Type in that person's name in the place provided on each copy of the Bond, and have one other individual witness that person's signature on each copy of the Bond. Also, have the Surety Company's corporate seal affixed to each copy of the Bond beside that person's signature (No facsimiles are acceptable).
6. Have each copy of the Bond signed by a Florida Resident Agent (reference Chapters 624.425 and 624.426 of the Florida Statutes). Type in that person's name and Social Security number in the place provided on each copy of the Bond and have one other individual witness that person's signature on each copy of the Bond. This may be the same person indicated in B.5 above, if this person is a Florida Resident Agent and is also authorized to sign on behalf of the Surety Company as Attorney-in-Fact.
7. Each copy of the Bond must have a Power of Attorney attached indicating that the person in B.5 above is authorized to sign on behalf of the Surety Company.
8. Each copy of the Power of Attorney must have the Surety Company's corporate seal and a notary seal either manually affixed or they may utilize facsimile reproductions of the same.

9. If the date of execution of the Power of Attorney is not the same as the date shown on page 1 of the Agreement, then the Power of Attorney must be certified to still be in effect on the date shown on page 1 of the Agreement.

SAMPLE



EXHIBIT V

Performance Bond (Sample)

PERFORMANCE BOND

THIS BOND IS ISSUED SIMULTANEOUSLY WITH LABOR AND MATERIAL PAYMENT BOND IN FAVOR OF THE OWNER CONDITIONED ON THE FULL AND FAITHFUL PERFORMANCE OF THE CONTRACT

KNOW ALL MEN BY THESE PRESENT:

as Principal, hereinafter called Contractor, and,

as Surety, hereinafter called Surety, are held and firmly bound unto the Pinellas County Housing Authority as Obligee, hereinafter called Owner, in the amount of _____ for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these present.

WHEREAS,

Contractor has by written agreement, dated _____, entered into a contract with the Owner for _____, Project Number _____ in accordance with Drawings and Specifications prepared by _____ which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly and faithfully perform said Contract and all obligations thereunder, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Owner.

Wherever Contractor shall be, and declared by Owner to be in default under the Contract, the Owner having performed Owner's obligations thereunder, the Surety may promptly remedy the default, in accordance with Section 255.05, Florida Statutes, or shall promptly

1. Complete the Contract in accordance with its terms and conditions; or
2. Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible bidder or, if the Owner elects, upon determination by the Owner and the Surety jointly of the lowest responsible bidder, arrange for a Contract between such bidder and Owner, and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price; but not exceeding including other costs and damages for which the Surety may be

liable hereunder, the amount set forth in the first paragraph hereof, the term “balance of the Contract price,” as used in this paragraph, shall mean the total amount payable by Owner to Contractor under the Contract and any amendments thereto, less the amount properly paid by Owner to Contractor.

No right action shall accrue on this Bond to or for the use of any person or corporation other than the Owner named herein or the heirs, executors, administrators or successors of the Owner. The time within which the Owner can institute an action on this Bond against the Surety or Contractor shall be determined by the time periods of Section 95.11(3)(c), Florida Statutes.

Signature of Witness

Signature of Contractor (Seal)

Type Name and Title

Signature of Witness

Signature of Attorney-in-Fact (Seal)

Type Name

Signature of Witness

Signature of Florida Resident Agent

Type Name and Social Security Number

Power of Attorney attached hereto

NOTES CONCERNING SURETY AND EXECUTION

A. SURETY COMPANY REQUIREMENTS

To be acceptable to the Owner, a Surety Company shall comply with all the requirements of the Conditions of the Contract.

B. EXECUTION OF BOND

1. Enter the Surety Company's name and address on each copy of the Bond in the space provided.
2. Enter the date shown on page 1 of the Agreement in the space provided on each copy of the Bond.
3. Enter the date of execution on each copy of the Bond in the space provided. This date must be the same as the date shown on page 1 of the Agreement.
4. Have each copy of the Bond signed by the same person that signed the Agreement on behalf of the Contractor. Type in that person's name and title in the place provided on each copy of the Bond, and have one other individual witness that person's signature on each copy of the Bond. Also, have the Contractor's corporate seal affixed to each copy of the Bond beside that person's signature (No facsimiles are acceptable).
5. Have each copy of the Bond signed by the person authorized to sign on behalf of the Surety Company. Type in that person's name in the place provided on each copy of the Bond, and have one other individual witness that person's signature on each copy of the Bond. Also, have the Surety Company's corporate seal affixed to each copy of the Bond beside that person's signature (No facsimiles are acceptable).
6. Have each copy of the Bond signed by a Florida Resident Agent (reference Chapters 624.425 and 624.426 of the Florida Statutes). Type in that person's name and Social Security number in the place provided on each copy of the Bond and have one other individual witness that person's signature on each copy of the Bond. This may be the same person indicated in B.5 above, if this person is a Florida Resident Agent and is also authorized to sign on behalf of the Surety Company as Attorney-in-Fact.
7. Each copy of the Bond must have a Power of Attorney attached indicating that the person in B.5 above is authorized to sign on behalf of the Surety Company.
8. Each copy of the Power of Attorney must have the Surety Company's corporate seal and a notary seal either manually affixed or they may utilize facsimile reproductions of the same.
9. If the date of execution of the Power of Attorney is not the same as the date shown on page 1 of the Agreement, then the Power of Attorney must be certified to still be in effect on the date shown on page 1 of the Agreement.



EXHIBIT W

**Davis Bacon General Decision Number FL170124,
Modification# 0, Dated 01/06/2017**

IRONWORKER, REINFORCING.....\$ 29.10 15.39

SUFL2009-120 06/08/2009

	Rates	Fringes
BRICKLAYER.....	\$ 20.00	0.00
CARPENTER, Includes Form Work....	\$ 11.67	2.25
CEMENT MASON/CONCRETE FINISHER...	\$ 15.63	0.00
DRYWALL FINISHER/TAPER.....	\$ 18.27	0.00
DRYWALL HANGER.....	\$ 15.00	0.00
ELECTRICIAN.....	\$ 11.98	0.00
FENCE ERECTOR.....	\$ 14.00	0.75
GLAZIER.....	\$ 15.88	0.00
INSULATOR: Batt and Blown.....	\$ 12.41	0.00
IRONWORKER, ORNAMENTAL.....	\$ 15.25	0.00
IRONWORKER, STRUCTURAL.....	\$ 14.53	0.00
LABORER: Common or General.....	\$ 8.80	0.00
LABORER: Mason Tender - Brick...	\$ 11.51	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 11.29	0.00
LABORER: Pipelayer.....	\$ 15.14	0.00
LABORER: Roof Tearoff.....	\$ 9.00	0.00
LABORER: Landscape and Irrigation.....	\$ 10.97	0.00
OPERATOR: Asphalt Paver.....	\$ 12.40	0.00
OPERATOR: Backhoe Loader Combo.....	\$ 17.04	0.00
OPERATOR: Backhoe/Excavator.....	\$ 15.25	0.00
OPERATOR: Bulldozer.....	\$ 12.67	0.00
OPERATOR: Distributor.....	\$ 11.41	0.00
OPERATOR: Forklift.....	\$ 17.50	0.00
OPERATOR: Grader/Blade.....	\$ 14.00	0.00
OPERATOR: Loader.....	\$ 11.50	0.00
OPERATOR: Roller.....	\$ 10.62	0.00
OPERATOR: Screed.....	\$ 10.93	0.00
OPERATOR: Trackhoe.....	\$ 14.81	0.00

OPERATOR: Tractor.....	\$ 10.20	0.00
PAINTER, Includes Brush, Roller and Spray (Excludes Drywall Finishing/Taping).....	\$ 13.59	0.00
PLASTERER.....	\$ 13.91	0.00
PLUMBER.....	\$ 12.97	0.00
ROOFER, Includes Built Up, Modified Bitumen, and Shake & Shingle Roofs (Excludes Metal Roofs).....	\$ 15.98	0.00
ROOFER: Metal Roof.....	\$ 16.99	0.00
SHEET METAL WORKER, Includes HVAC Duct Installation (Excludes Metal Roof Installation).....	\$ 14.82	0.00
TILE SETTER.....	\$ 16.00	0.00
TRUCK DRIVER, Includes Dump Truck.....	\$ 10.22	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 12.10	0.00

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

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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 agreement (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.

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END OF GENERAL DECISION





EXHIBIT X

**John J. McKenna, Architect, P.A. # 1659
Residential Renovation**

PINELLAS COUNTY HOUSING AUTHORITY

RESIDENTIAL RENOVATION

12065 134 TH PLACE NORTH- LARGO, FL 33778



JURISDICTION: PINELLAS COUNTY



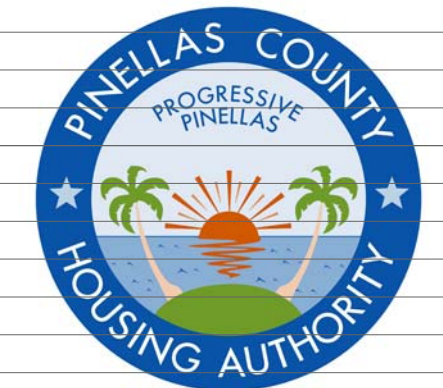
VICINITY MAP



AREA MAP



12065 134TH PLACE - LARGO, FL 33778



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th Pl N
LARGO, FL 33778

PROJECT SCHEDULE

* SELECTED CONTRACTOR TO PREPARE PROJECT SCHEDULE IN CONJUNCTION WITH PCHA REQUIREMENTS

WORK ACCESS / PHASING

CONTRACTOR SHALL HAVE ACCESS TO THE FACILITY DURING WORKING HOURS: 8:00AM - 5:00PM MONDAY THRU FRIDAY AND IF REQUIRED TO COMPLETE THE WORK. CONTRACTOR MUST MAKE ARRANGEMENTS WITH PCHA AND ARCHITECT FOR ACCESS AND PHASING IN ORDER TO MEET THE REQUIREMENTS OF THE CONTRACT.

CODES AND STANDARDS

TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE COMPLETE AND COMPLY WITH THE FLORIDA BUILDING CODE.
1. FLORIDA BUILDING CODE 5TH EDITION (2014) - BUILDING
2. FLORIDA BUILDING CODE 5TH EDITION (2014) - ENERGY CONSERVATION
3. FL. BLDG. CODE 5TH EDITION(2014)- EXISTING BLDG.
4. FL. BUILDING CODE 5TH EDITION (2014) - MECHANICAL
5. FLORIDA BUILDING CODE 5TH EDITION (2014) - PLUMBING
6. FL. BUILDING CODE 5TH EDITION (2014) - ACCESSIBILITY
7. 2014 NATIONAL ELECTRIC CODE (NEC)
8. 2013 FLORIDA FIRE PREVENTION CODE (FFPC), (INCLUDES 2012 VERSIONS OF NFPA 1 & NFPA 101)
9. OSHA STANDARDS

CODE DATA

OCCUPANCY:	SINGLE FAMILY RESIDENTIAL
CONSTRUCTION TYPE:	"V" UNPROTECTED
MAX. NO. OF STORIES:	2
ZONING PINELLAS COUNTY:	SINGLE FAMILY 01
BUILDING AREAS	
NEW BUILDING AREA:	
1st FLOOR A/C	82 S.F.
TOTAL LIVING AREA:	806 S.F.
GARAGE-NON A/C	198 S.F.
LAUNDRY	57 S.F.
NEW TOTAL GROSS BLDG. AREA	1,143 S.F.
FLOOD ZONE FLOOD ZONE:	NON EVAC
LAND SITE:	
ALLOWABLE ISR:	
EXISTING LOT AREA:	60'-0"X105'-0"=6,300 S.F.
ALLOWED ISR:	50%
PROPOSED ISR:	1593 S.F. 26%

GENERAL PROJECT NOTES

- DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE TO FINISH FACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL TRADES AND WORK. IF DISCREPANCIES ARE FOUND, NOTIFY THE ARCHITECT.
- CONSULTANT DRAWINGS ARE SUPPLEMENTAL TO THE CONTRACT DOCUMENTS. COORDINATE THE DRAWINGS AND SPECIFICATIONS PRIOR COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND INSPECTIONS. FEES ASSOCIATED WITH, BUT NOT NORMALLY COVERED BY THESE ITEMS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK UNLESS DESIGNATED AS "NOT IN CONTRACT" (N.I.C.) OR "OWNER FURNISHED, OWNER INSTALLED" (O.F.O.I.). ALL EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH ALL CURRENT AND LOCAL APPLICABLE CODES AND GOVERNING REGULATIONS, AND THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROTECT ALL FINISH WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND SHALL REPLACE AND/OR REPAIR ALL DAMAGED SURFACES CAUSED BY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
- UNLESS IT IS SPECIFIED, ACCESS PANELS SHALL BE PROVIDED AND INSTALLED WHEREVER REQUIRED BY BUILDING CODE.
- THE CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM FOR ALL THOSE TRADES PERFORMING WORK ON THE PREMISES. THIS SHOULD INCLUDE BUT NOT BE LIMITED TO THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS.
- THE CONTRACTOR SHALL COORDINATE WITH REPRESENTATIVES OF ANY AND ALL UTILITY COMPANIES TO VERIFY AVAILABLE FACILITIES AND, IF APPLICABLE, TO ESTABLISH TEMPORARY FACILITIES. ADDITIONALLY, THE CONTRACTOR SHALL COORDINATE THE REMOVAL, ABANDONMENT, AND/OR RELOCATION OF EXISTING UTILITIES BOTH ABOVE AND BELOW GRADE WITH THE RESPECTIVE UTILITY COMPANIES.
- SUBSTITUTIONS: REFERENCE TO MAKERS, BRAND, MODELS, ETC., IS TO ESTABLISH THE TYPE AND QUALITY DESIRED; SUBSTITUTION OF ACCEPTABLE EQUIVALENTS WILL BE PERMITTED IF APPROVED BY THE ARCHITECT AND OWNER PRIOR.
- ONLY NEW MATERIALS AND EQUIPMENT OF RECENT MANUFACTURE, OF QUALITY SPECIFIED, FREE FROM DEFECTS, WILL BE PERMITTED ON THE WORK.
- FINAL CLEAN UP AND DISPOSAL: THE REMOVAL OF CONSTRUCTION DEBRIS, RUBBISH AND WASTE MATERIAL FROM THE PROPERTY TO A LAWFUL DISPOSAL OBSERVE ALL PERTAINING FEDERAL STATE AND LOCAL LAWS, REGULATIONS AND ORDERS REGARDING COMPLETION OF WORK CLEAN-UP. ALL CONSTRUCTION AREAS SHALL BE CLEAN AND FREE FROM DEBRIS, INCLUDING, BUT NOT LIMITED TO: CLEAN ALL DUST, DIRT, STAINS, HAND MARKS, PAINT SPOTS, DRIPPINGS, AND OTHER BLEMISHES.
- THE ARCHITECT SHALL BE CONSULTED IN ALL CASES WHERE CUTTING INTO AN EXISTING STRUCTURAL PORTION OF ANY BUILDING IS EITHER EXPEDIENT OR NECESSARY. PRIOR TO PROCEEDING WITH WORK, REINFORCEMENT AND/OR SUPPORT SATISFACTORY TO THE ARCHITECT SHALL BE PROVIDED PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF ANY BUILDING.
- VERIFYING FLOOR-TO-FLOOR ELEVATIONS AT PROPOSED COVERED SIDEWALK. NEW WORK SHOULD ALIGN WITH RESPECTIVE FLOORS IN EXISTING BUILDING.
- FIELD VERIFY ALL EXISTING CONDITIONS. THE CONTRACTOR SHOULD NOTIFY THE ARCHITECT FOR CLARIFICATION OF WORK.
- ALL EXISTING CONSTRUCTION IS TO BE VERIFIED BY CONTRACTOR, ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS MUST BE BROUGHT UP TO THE ARCHITECT'S ATTENTION.
- CONTRACTOR TO KEEP SITE SECURE AT ALL TIMES.

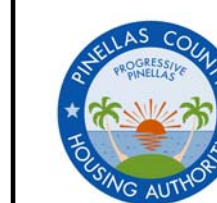
PROJECT SPECIFIC NOTES

- CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO COMPLETE THE JOB FROM THE BUILDING DEPARTMENT. PERMIT FEES AND ANY ASSOCIATED COSTS TO BE INCLUDED IN THE BID PROPOSAL.
- CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY ON ALL MATERIALS AND LABOR.
- ALL WORK TO BE DONE IN ACCORDANCE WITH 504/ADA REGULATIONS, ZONING/BUILDING CODE REQUIREMENTS, AND WASTE MANAGEMENT SPECIFICATIONS. REFER TO THE UNIFORM ACCESSIBILITY STANDARDS (UFAS) FOR ADA COMPLIANCE, WASTE MANAGEMENT SPECIFICATIONS AND LOCAL ZONING/BUILDING CODES FOR GUIDANCE.
- DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE. WORK SITE SHALL BE LEFT CLEAN AFTER THE END OF EACH WORKING DAY.
- PROTECT SURROUNDING AREAS AROUND WORK SITE. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR, PATCH OR RESTORE ANY EXISTING SURFACE DAMAGED OR ALTERED WHILE PERFORMING THE SCOPE OF WORK. RETURN AREAS TO CONDITION EXISTING PRIOR TO START OF CONSTRUCTION.
- DO NOT OBSTRUCT STREETS, WALKS, OR ADJACENT OCCUPIED OF USED FACILITIES WITHOUT PERMISSION FROM PCHA. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF NECESSARY.
- ERECT TEMPORARY BARRICADES AND/OR PROTECTION AS REQUIRED TO ENSURING SAFETY TO THE RESIDENTS AND THE PUBLIC.
- DISPLAY "CONSTRUCTION" OR "WARNING" SIGNS IF DIRECTED BY PCHA.
- A PRE-CONSTRUCTION MEETING WILL BE REQUIRED PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL PROVIDE PCHA A COMPLETE CONSTRUCTION SCHEDULE AT THE PRECONSTRUCTION MEETING.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SUBMISSION OF BID. NOTIFY PCHA IMMEDIATELY OF ANY DISCREPANCIES DISCOVERED DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL SERVICE FOR THE DURATION OF THE PROJECT.
- CONTRACTOR TO PROVIDE TEMPORARY POWER SOURCE AND SANITARY FACILITIES WHILE DURATION OF WORK.
- GENERAL CONTRACTOR SHALL PROVIDE VISIBLE BULLETIN BOARD (PERMIT BOX), ON SITE - REFER TO CONTRACT FROM PCHA FOR INFORMATION TO BE INCLUDED IN BULLETIN BOARD (I.E. DAVIS BACON WAGES, ETC).
- ALL CHANGE ORDERS SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING. NO VERBAL CHANGE ORDERS WILL BE CONSIDERED.

ABBREVIATIONS

ABV - ABOVE	FLOUR - FLUORESCENT	REF - REFRIGERATOR
AFF - ABOVE FINISH FLOOR	FTG - FOOTING	RECP - RECEPTACLE
AHU - AIR HANDLER UNIT	FR DR - FRENCH DOOR	REINF - REINFORCING
A/C - AIR CONDITIONING	GALV - GALVANIZED	REQD - REQUIRED
ALUM - ALUMINUM	GA - GAUGE	REQD - REQUIRED
AT - ALUMINUM THRESHOLD	GB - GRAB BAR	R/A - RETURN AIR
AB - ANCHOR BOLT	GWB - GYPSUM WALL BOARD	RO - ROUGH OPENING
AVG - AVERAGE	GF / GFCI - GROUND FAULT CIRCUIT INTERRUPTOR	RS - ROUGH SAWN
BFE - BASE FLOOD ELEVATION	GYPSUM - GYPSUM BOARD	SC - SOLID CORE
BA - BEAM	HD - HEAD	SCP - SCURPER
BRG - BEARING	HVAC - HEATING, VENTILATING, AIR CONDITIONING	SCRN - SCREEN
BLK - BLOCK	HT - HEIGHT	SIM - SIMILAR
BLDG - BUILDING	HB - HOSE BIB	SHLVS - SHELVES
BRD - BOARD	HC - HANDICAP	S/R - SHELF & ROD
BTM - BOTTOM	INSUL - INSULATION	SH - SINGLE HUNG WINDOW
CAB - CABINET	INT - INTERIOR	SGD - SLIDING GLASS DOOR
CD - CONSTRUCTION DOCUMENTS	LVL - LAMINATED VENEER LUMBER	SPECS - SPECIFICATIONS
CLG - CEILING	LT - LAUNDRY TUB	SQ FT - SQUARE FEET
CLG HT - CEILING HEIGHT	LCT - LIGHT	SQ IN - SQUARE INCH
CEMT - CEMENTITIOUS	MAX - MAXIMUM	STD - STANDARD
CL - CENTERLINE	MATL - MATERIAL	STL - STEEL
COL - COLUMN	MFR - MANUFACTURER	STRUCT - STRUCTURAL
CONC - CONCRETE	MECH - MECHANICAL	TEMP - TEMPERED
CMU - CONCRETE MASONRY UNIT	MTL - METAL	THK - THICK OR THICKNESS
CONST - CONSTRUCT OR CONSTRUCTION	MC - MEDICINE CABINET	TB - TOWEL BAR
CONT - CONTINUOUS OR CONTIGUES	MIN - MINIMUM	TOC - TOP OF CONCRETE
CTR - CENTER	MIDG - MOULDING	TOM - TOP OF MASONRY
CJ - CONTROL JOINT	MNT - MOUNT OR MOUNTING	TOP - TOP OF PLATE
DP - DEEP OR DEPTH	MO - MASONRY OPENING	TP - TYPICAL PAPER HOLDER
DTL - DETAIL	MUNT - MUNTINS	TRP - TRIPICAL
DIA - DIAMETER	# - NUMBER	UNO - UNLESS NOTED OTHERWISE
DIM - DIMENSION	OC - ON CENTER	VAC - VACUUM
DISCON - DISCONNECT	OGD - OVERHEAD GARAGE DOOR	VAL - VALANCE
DW - DISHWASHER	OPNG - OPENING	VERT - VERTICAL
DR - DOOR	OPP - OPPOSITE	VIF - VERIFY IN FIELD
DBL - DOUBLE	OPT - OPTIONAL	VTR - VENT THROUGH ROOF
DWG - DRAWING	OH - OVER HANG	V - VOLT
EA - EACH	OCABS - OVERHEAD CABS	WC - WATER CLOSET
ELEC - ELECTRICAL	PNT - PAINT FINISH	WH - WATER HEATER
ELEV - ELEVATOR	PTD - PAINTED	WL - WIND LOAD
EQUIP - EQUIPMENT	PEF - PEDESTAL	WP - WEATHERPROOF
EXP JT - EXPANSION JOINT	PERF - PERFORATED	WWW - WELDED WIRE MESH
EXT - EXTERIOR	PLT - PLATE	W - WIDE OR WIDTH
FIN FLR - FINISHED FLOOR	PLYWD - PLYWOOD	WDW - WINDOW
FIN - FIN	PKT - POCKET	W/ - WITH
EW - EACH WAY	LB - POUND	WD - WOOD
FG - FIXED GLASS	PSF - POUNDS PER SQUARE FOOT	
FD - FLOOR DRAIN	PSI - POUNDS PER SQUARE	
FE - FIRE EXTINGUISHER	PT - PRESSURE TREATED	
FLR - FLOOR	PB - PUSH BUTTON	

OWNER:



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- S-4.3 ROOF DETAILS

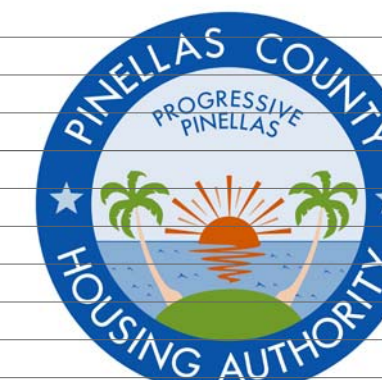
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Sheet Name:	COVER SHEET
Phase:	PERMIT SET
Revision:	REV.1 OWNER CHANGES 2017.03.31
Date:	3.3.2017
Drawn by:	DC
Checked by:	JJM
Plot Scale:	
Project Number:	1659





RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

SPECIFICATION NOTE

NONRESTRICTIVE SPECIFICATIONS (COMMONLY REFERRED TO AS AN "OPEN" SPECIFICATION) ARE WRITTEN IN SUCH A MANNER AS TO NOT LIMIT COMPETITION, DIRECTLY OR INDIRECTLY, TO ANY ONE SPECIFIC CONCERN. AN "OPEN" SPECIFICATION ALLOWS PRODUCTS OF ANY MANUFACTURER TO BE USED IF THE PRODUCT MEETS THE SPECIFIED REQUIREMENTS. COMBINATION OF SPECIFICATION METHODS: A COMBINATION OF THE SPECIFICATION METHODS BELOW IS TO BE USED IN THIS PROJECT SO THAT THE RESULTING SPECIFICATION IS NON-RESTRICTIVE (OPEN):

APPROVED EQUAL
ALL PRODUCTS SPECS MAY BE SUBSTITUTED WITH AN "APPROVED EQUAL". FOR CONSIDERATION, ALL PROPOSED "APPROVED EQUAL" PRODUCT SUBMITTALS MUST BE INCLUDED WITH BID PROPOSAL. CONTRACTORS SHALL USE NO PRODUCTS OR MATERIALS CONTAINING ASBESTOS CONTAINING MATERIALS (ACM).

1. SITE WORK/ LANDSCAPING/ FENCE

1. THE SITE REQUIRES SITE SERVICES SUCH AS: MOWING, PRUNING, TRIMMING, WEED CONTROL, FUNGICIDE TREATMENT, REMOVAL OF TRASH, AND REPLACEMENT OF FENCE PRIOR TO COMPLETION OF PROJECT.
A. VEGETATION ALONG THE HOUSE AND FENCES SHOULD BE REMOVED.
B. LANDSCAPE IRRIGATION SHALL BE INSTALLED AT ALL PLANT BEDS AND SODDED AREAS.
a. PIPES SHALL BE INSTALLED ALONG WALKS, CURBS OR WALLS. THEY SHALL NOT BE INSTALLED IN THE MIDDLE OF PLANTERS. CONTRACTORS SHALL PRESERVE EXISTING LANDSCAPE LOCATED IN NEW PIPE AREAS IF POSSIBLE. MAIN LINES SHALL BE 4" CLASS 200 PURPLE AND LATERALS SHALL BE SCH 40 PVC.
b. WHERE EXISTING PAVED SURFACES CROSS IRRIGATION LINES, ALL PIPING UNDER SAID SURFACES SHALL BE IN SLEEVES. SLEEVES SHALL BE SCH 40 PVC, MINIMUM 2" DIAMETER OR AS SPECIFIED ON PLAN. JET OR JACK AND BORE UNDER EXISTING DRIVEWAYS.
c. CALL THE LOCAL UTILITY LOCATION SERVICE TO MARK UTILITY LOCATIONS BEFORE DIRECTIONAL DRILLING.
C. SOD SHALL BE INSTALLED IN ANY AREAS MISSING OR DESTROYED DURING RENOVATION.
D. ALL TREES AND PLANTS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED TO MATCH EXISTING.
E. ANNUALS SHALL BE PLANTED IN THE FRONT FLOWER BED.
F. MULCH SHALL BE APPLIED TO ALL FLOWER BEDS.
G. PRUNING AND TRIMMING SERVICES WILL BE PROVIDED. HEDGES, SHRUBS, AND GROUND COVERS, AS WELL AS TREES TO FIFTEEN (15) FEET, WILL BE TRIMMED ACCORDING TO THE HEALTH AND GROWTH PATTERNS OF THE PLANT AND WITH CONSIDERATION TO THE DESIRES OF THE CLIENT. PRUNING AND TRIMMING SHALL BE DEFINED AS THE SHAPING OF THE PLANT AND TREE MATERIALS AS TO MAINTAIN CONTROL OF HEIGHT AND NATURAL CHARACTERISTICS OF THE INDIVIDUAL PLANT AND/OR TREE, REMOVAL OF DEAD, DISEASED, OR BROKEN BRANCHES, LIMBS OR FRONDS, SUCKERS, LOW HANGING LIMBS PLUS THE REMOVAL OF BRANCHES, LIMBS, FRONDS, OR FOLIAGE WHICH OBSTRUCT THE NEIGHBORS FENCE.
H. ALL TRIMMINGS AND DEBRIS WILL BE REMOVED FROM PROPERTY FOR DISPOSAL.
I. REMOVE ALL EXISTING FENCES AND THEN INSTALL A SIX FOOT WHITE VINYL FENCE NEAR THE PROPERTY LINE TO ENCLOSE THE REAR AND SIDES OF THE YARD.
J. PATCH DRIVEWAY AND SIDEWALK CRACKS. LEVEL OUT TRIP HAZARDS.

2. EXTERIOR FACADE/ ROOF

A. CONTRACTOR SHALL MAKE REPAIRS TO THE ROOF/ATTIC IF REQUIRED.
B. PRESSURE WASH THE ENTIRE EXTERIOR OF THE HOUSE.
C. REMOVE ALL UNUSED ELECTRICAL ITEMS, LOW VOLTAGE WIRES, AND BOXES FROM THE EXTERIOR OF THE BUILDING.
D. REPAIR ALL STUCCO AND CAULK AROUND ALL EQUIPMENT ATTACHED TO THE EXTERIOR WALLS.
E. PAINT THE EXTERIOR WITH SHERWIN WILLIAMS PAINT SELECTIONS (OR APPROVED EQUAL) BY OWNER. REFER TO SECTION 7 :PAINTING.
F. PATCH DRIVEWAY AND SIDEWALK CRACKS. LEVEL OUT TRIP HAZARDS.

3: WINDOWS/ BLINDS/ SCREENS

A. REFER TO WINDOW SCHEDULE IN FLOOR PLAN FOR WINDOW TYPE AND SIZES.
B. REPLACE ALL DAMAGED WINDOW SCREENS AND BLINDS.
C. REPLACE ALL SCREENS AT FRONT PORCH.
D. WINDOWS ARE TO BE ADJUSTED SO THAT THEY OPEN AND CLOSE PROPERLY. IF THEY CANT BE REPAIRED TO OPERATE PROPERLY THEY SHOULD BE REPLACED WITH IMPACT WINDOWS THAT MATCH EXISTING.
E. WINDOW BLINDS TO BE WHITE 2-1/2 IN. PREMIUM FAUX WOOD BLIND. FIELD VERIFY SIZE. (TYPICAL)
F. INSTALL NEW MARBLE WINDOW SILLS. FIELD VERIFY LENGTH.

4: ROOF SYSTEM/ ATTIC

A. CONTRACTOR SHALL MAKE REPAIRS TO THE ROOF/ATTIC IF REQUIRED.
B. CONTRACTOR SHALL REMOVE AND REPLACE ALL ASPHALT ROOFING SHINGLES, LEAK BARRIER/ DECK PROTECTION, METAL FLASHING, AND FASCIA. PRODUCTS TO BE AS FOLLOWS:
a. TIMBERLINE® HD LIFETIME HIGH DEFINITION SHINGLES, BY GAF®. COLOR: WHITE- ENERGY STAR RATED OR APPROVED EQUAL.
b. SEAL-A-RIDGE® RIDGE CAP SHINGLES BY GAF® OR APPROVED EQUAL.
c. PROSTART™ STARTER STRIP BY GAF® OR APPROVED EQUAL.
d. STORMGUARD® LEAK BARRIER, BY GAF® OR APPROVED EQUAL.
e. TIGER PAW BY GAF® OR APPROVED EQUAL.
f. ASPHALT PLASTIC ROOFING CEMENT MEETING THE REQUIREMENTS OF ASTM D 4586, TYPE I OR II.
g. COBRA® RIGID VENT 2™ OR COBRA® RIGID VENT 3™ RIGID VENT (INCLUDES 3" GALVANIZED RING SHANK NAILS), BY GAF® OR APPROVED EQUAL.
h. NAILS TO BE STANDARD ROUND WIRE, ZINC-COATED STEEL OR ALUMINUM; 10 TO 12 GAUGE, SMOOTH, BARBED OR DEFORMED SHANK, WITH HEADS 3/8" (9.5 MM) TO 7/16" (11 MM) IN DIAMETER. LENGTH MUST BE SUFFICIENT TO PENETRATE INTO SOLID WOOD AT LEAST 3/4" (19 MM) OR THROUGH PLYWOOD OR ORIENTED STRAND BOARD BY AT LEAST 1/8".
i. NAILING PATTERNS FROM STANDARD BUILDING CODE.
j. METAL FLASHING TO BE .24 GAUGE HOT-DIP GALVANIZED STEEL SHEET, COMPLYING WITH ASTM A 653/ A 653M, G90/Z275.
C. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED PLYWOOD DECK SHEATHING AS REQUIRED.
a. ALLOWANCE WITH BID: 200 SQUARE FEET. THICKNESS TO MATCH EXISTING.
b. PROVIDE A LINE ITEM FEE FOR ADDITIONAL PLYWOOD PER SQUARE FOOT.
D. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED SOFFIT AS REQUIRED.
a. ALLOWANCE WITH BID: 50 SQUARE FEET. THICKNESS TO MATCH EXISTING.
b. PROVIDE A LINE ITEM FEE FOR ADDITIONAL MATERIAL PER SQUARE FOOT.
E. CONTRACTOR SHALL REMOVE EXISTING ATTIC INSULATION ALONG WITH ANY TRASH OR DEBRIS.
F. CONTRACTOR SHALL FURNISH LABOR AND MATERIALS TO PROVIDE R-40 BLOWN CELLULOSE INSULATION IN THE ATTIC OF A)1,64 SQUARE FOOT HOME.

5: INTERIOR TRIM/ BASEBOARDS/ DOORS/ WOOD/ HARDWARE/ LOCK-SET

REFER TO DOOR SCHEDULE IN FLOOR PLAN.
A. (8) SOLID DOOR TEXTURED 6-PANEL SOLID CORE PRIMED COMPOSITE SINGLE PRE-HUNG INTERIOR DOOR. FIELD VERIFY SIZES. (TYPICAL)
a. (1) KWIKSET BALBOA SATIN NICKEL HALL/CLOSET LEVER (TYPICAL)
b. (4) KWIKSET BALBOA SATIN NICKEL BED/BATH LEVER (TYPICAL)
B. (1) 45 MIN. RATED SOLID DOOR TEXTURED 6-PANEL SOLID CORE PRIMED COMPOSITE SINGLE PRE-HUNG INTERIOR DOOR. FIELD VERIFY SIZES. (TYPICAL)
a. (1) KWIKSET BALBOA SATIN NICKEL HALL/CLOSET LEVER (TYPICAL)
b. (4) KWIKSET BALBOA SATIN NICKEL BED/BATH LEVER (TYPICAL)
C. (2) PLANTATION FULL LOUVER PAINTED PINE INTERIOR CLOSET BI-FOLD DOOR. FIELD VERIFY SIZE.
a. (6) PRIME-LINE SATIN NICKEL BI-FOLD DOOR KNOB.
D. (1) FRONT EXTERIOR DOOR IS TO BE ADJUSTED, NEW LOCKSET AND DOOR KNOB TO BE INSTALLED.REFER TO PA SHEETS
a. (1) ACCENT SATIN NICKEL CAMELOT TRIM SINGLE CYLINDER HANDLE SET LEVEL
E. (1) GARAGE EXTERIOR DOOR - REFER TO PA SHEETS
F. (1) CUSTOM SIZED FLUSH WD. DOOR (LINEN CLOSET)
a. (1) KWIKSET BALBOA SATIN NICKEL HALL/CLOSET LEVER (TYPICAL)
b. (4) KWIKSET BALBOA SATIN NICKEL BED/BATH LEVER (TYPICAL)
G. (1) LOUVERED WD. SWING DOOR FOR A/C RETURN
a. (1) KWIKSET BALBOA SATIN NICKEL HALL/CLOSET LEVER (TYPICAL)
b. (4) KWIKSET BALBOA SATIN NICKEL BED/BATH LEVER (TYPICAL)
H. REMOVE EXISTING AND INSTALL ALL NEW WOOD BASEBOARDS 1/WM 623 - 15/32 IN. X 3-1/4 IN. PRIMED MDF BASE MOLDING THROUGHOUT THE HOUSE.

6: FRAMING/ WALL INSULATION/ DRYWALL/ TEXTURE/ PARTITION WALLS

A. REMOVE ALL EXISTING DRYWALL FROM WALLS AND CEILING.
B. CONTRACTOR SHALL TREAT ALL EXISTING WALLS AND FLOOR WITH A MOLD TREATMENT PRIOR TO CONSTRUCTION.
C. REMOVE/REPLACE ALL DAMAGED WALL FRAMING AND FURRING STRIPS.
a. TO MATCH EXISTING.
b. ALLOWANCE WITH BID: 100 LINEAR FEET.
c. PROVIDE A LINE ITEM FEE FOR ADDITIONAL LUMBER PER LINEAR FOOT.
d. PROVIDE WOOD BLOCKING IN BATHROOM, KITCHEN, AND CLOSETS FOR ALL WALL ATTACHMENTS.
D. REMOVE/ REPLACE ALL DAMAGED INSULATION ALONG THE EXTERIOR WALLS.
a. TYPE OF INSULATION: R-5
b. ALLOWANCE WITH BID: 200 SQUARE FEET.
c. PROVIDE A LINE ITEM FEE FOR ADDITIONAL INSULATION PER SQUARE FOOT.
E. INSTALL NEW 1/2 "GYPSUM BOARD AT ALL INTERIOR WALLS.
F. INSTALL NEW PURPLE BOARD, XP MOLD RESISTANT AT ALL THE KITCHEN, BATHROOM, AND EXTERIOR WALLS.
G. TEXTURED DRYWALL TO BE KNOCK-DOWN. (TYPICAL)
H. TEXTURED CEILING TO BE SKIP TROWEL (TYPICAL)
I. INSTALL INSULATION IN ALL BATHROOM WALLS.
J. INSTALL DU ROCK IN BATHROOM UNDER WALL TILE FROM FLOOR TO CEILING AT TUB AREA.

7: PAINTING/ CAULK/ PATCH/ GROUT

A. PATCH/ CAULK ALL GAPS AT WALL CORNERS, CEILING GAPS, AND TRIM THROUGHOUT HOME/PORCH.
B. PAINT SHOULD BE APPLIED PER MANUFACTURER RECOMMENDATIONS.
C. INTERIOR PAINT ALL WALLS, CEILINGS, AND TRIM THROUGHOUT THE HOUSE.
a. EGG-SHELL: LIVING AREA, HALL, AND BEDROOMS.
• DRYWALL: FIRST PVA PRIMER B28W8000, THEN S-W PROMAR 200 ZERO VOC LATEX EG-SHEL, B20-2600 SERIES
b. SEMI-GLOSS: INTERIOR DOORS, DOORFRAMES, AND BATHROOM
• DRYWALL: S-W PROMAR 200 ZERO VOC LATEX SEMI-GLOSS, B31-2600 SERIES
• WOOD: S-W PROCLASSIC WATERBORNE ACRYLIC GLOSS ENAMEL, B21 SERIES
• METAL: S-W PRE-CATALYZED WB EPOXY SEMI-GLOSS ENAMEL, K46 SERIES
c. COLOR SCHEDULE:
• WALLS TO BE SW6106 KIUM BEIGE
• CEILINGS AND TRIM TO BE SW7005 PURE WHITE
D. EXTERIOR PAINT
a. STUCCO: S-W A100 LATEX SATIN (SEALER) AND LOXON XP CONDITIONER (TOPCOAT)
b. WOOD: S-W A100 LATEX SATIN (SEALER) AND LOXON XP CONDITIONER (TOPCOAT)
c. METAL (ALUMINUM): DTM ACRYLIC B66W11 S1
d. METAL (STEEL): INDUSTRIAL ENAMEL B54W101
e. COLOR SCHEDULE:
• BASE (WALLS, SOFFIT, AND FASCIA) : SHERWIN WILLIAMS TEA LIGHT SW7681
• TRIM(BRICK, DOOR, AND WINDOW SILLS) : SHERWIN WILLIAMS RAINWASHED SW6211

8 FLOOR FINISHES: LUXURY VINYL TILE / CERAMIC TILE

ALL FINISHES SHALL BE COORDINATED AND APPROVED BY PCHA PRIOR TO ORDERING (SPECIFICATIONS ARE BASIS OF DESIGN)
A. REMOVE TILE IN KITCHEN AND BATHROOM.
B. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPPING THE FLOOR PRIOR TO INSTALLING THE PLANKING.
C. THE CONTRACTOR WILL SUPPLY ALL MATERIALS. FLOATING MATERIAL, ADHESIVE AND PLANKING. THE CONTRACTOR WILL BE INSTALLING EARTH WERKS PACIFIC PLANK APP 650 (OR APPROVED EQUAL) OVER EXISTING CONCRETE SLAB AND/OR TERRAZZO IN ALL ROOMS EXCEPT FOR THE BATHROOM. CONTRACTOR WILL ALSO SUPPLY (1) ONE EXTRA BOX OF FLOORING.
D. CONTRACTOR TO INSTALL TRANSITION STRIPS TO MATCH PLANK FLOORING.
E. BATHROOM FLOORING: GLAZED CERAMIC WALL, FLOOR, AND 3 X12 BN BASEBOARD TILE TO BE DALTILE GREENWORKS. COLOR TO BE CREMONA CAFE.
F. BATHROOM: BASEBOARD IN THE BATHROOM WHICH IS TO BE 3X12 BN TILE.

9: MILLWORK

A. ALL MILLWORK SHALL BE COORDINATED AND APPROVED BY PCHA PRIOR TO ORDERING (SPECIFICATIONS BELOW ARE BASIS OF DESIGN)
B. REPLACE ALL CABINETRY IN KITCHEN AND BATHROOM.
C. WOOD CABINETS - COLOR: MOCHA BRAND- ARMSTRONG CABINETS STYLE: CORONET DESIGN OR EQUIVALENT BRAND WILL BE ACCEPTED IF SUBMITTED IN ADVANCE WITH BID PROPOSAL.
D. FORMICA COUNTER TOP - WILSONART- COLOR: MILANO AMBER 4724-62. HALF BULLNOSE EDGE.
E. CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS PRIOR TO ORDERING CABINETS.
F. CONTRACTOR SHALL FIELD VERIFY ALL APPLIANCE MEASUREMENTS TO MAKE SURE CABINETS AND DRAWERS HAVE PROPER CLEARANCES.
G. KITCHEN CABINETS:
a. WOOD BASE AND CASE
b. WOOD CABINETS
c. HARDWARE: BRUSHED SATIN NICKEL KNOBS
d. ALL SHELVES WILL BE AT LEAST 1/4" MATERIAL AND ADJUSTABLE
e. EXPOSED ENDS TO BE FINISHED WITH 1/4 "WOOD TO MATCH THE DOORS AND FRAMES
f. CABINET BACKS TO BE CONSTRUCTED OF 1/4" WOOD
g. CABINET BASES AND COUNTER
h. 30" UPPERS TYPICAL, 12" UPPERS OVER REFRIGERATOR.
I. WOOD DRAWERS WITH SIDE MOUNT EPOXY COATED CUSHION TECH DRAWER GUIDES
j. HINGES TO BE FULLY CONCEALED OR SEMI CONCEALED
k. KITCHEN PANELS
l. TOE KICK WILL BE REMOVABLE WATER RESISTANT MATCHING FACE
m. END CAP KITS
H. BATHROOM CABINETS:
a. HIGH VANITY 32.5"
b. CABINET SINK BASE
c. TOE KICK WILL BE REMOVABLE WATER RESISTANT MATCHING FACE
d. COUNTER / VANITY TOP
e. HARDWARE: BRUSHED SATIN NICKEL KNOBS

10: NEW APPLIANCES

A. REMOVE AND REPLACE ALL EXISTING APPLIANCES.
B. PURCHASE AND INSTALL ENERGY STAR RATED REFRIGERATOR, RANGE, AND HOOD.
C. CONTRACTOR TO FIELD VERIFY SIZES WITH CABINET AND WALL DIMENSIONS.
D. GARBAGE DISPOSAL TO BE INSINKERATOR. BADGER 500-1/2 HP CONTINUOUS FEED GARBAGE DISPOSAL
E. ELECTRIC RANGE TO BE 30" KENMORE SELF-CLEANING- BLACK
F. RANGE CORD, 3 WIRE- 4FT.
G. INSTALL KENMORE 30" RANGE DUCT-FREE HOOD. BLACK
H. REFRIGERATOR TO BE WHIRLPOOL 24.5 FT. SIDE BY SIDE - BLACK
I. ENERGY STAR 30 GALLON ELECTRIC WATER HEATER- LOW BOY

11: CLOSET SHELVING

A. REMOVE/REPLACE ALL SHELVING WITH VENTILATED SHELVING

12: PLUMBING FIXTURES / BATHROOM ACCESSORIES

A. CONTRACTOR WILL INSTALL NEW PLUMBING TO MATCH EXISTING AND WILL REPAIR /PAINT ANY DAMAGES TO ADJACENT AREAS. REMOVE/REPLACE ALL EXISTING KITCHEN AND BATHROOM FIXTURES. NEW ITEM SPECIFICATIONS.
B. INSTALL KITCHEN SINK- MOEN MODEL #G82134- 1800 SERIES DROP-IN STAINLESS STEEL 33 IN. 4-HOLE DOUBLE BOWL
C. KITCHEN SINK FAUCET SHALL BE AMERICAN STANDARD FAIRBURY SINGLE-HANDLE PULL-DOWN SPRAYER KITCHEN FAUCET IN STAINLESS STEEL
D. INSTALL BATHROOM SINK; ROUND- 19" DROP IN; COLOR: WHITE- SKU # 462-268
E. BATHROOM SINK FAUCET FIXTURE- WILLAMETTE 4 IN. CENTERSET 2-HANDLE WATER-SAVING BATHROOM FAUCET IN VIBRANT BRUSHED NICKEL
F. BATHROOM KNOBS- 1-3/16 IN. BRUSHED NICKEL CLASSIC KNOB. F.V. AMOUNT.
G. REMOVE EXISTING TUB AND INSTALL NEW TUB TO MATCH EXISTING.
H. KOHLER WILLAMETTE 1-HANDLE TUB AND SHOWER FAUCET IN VIBRANT BRUSHED NICKEL
I. ELEGANT HOME FASHIONS - TOUCH UP DECORATIVE SHOWER ROD IN BRUSHED NICKEL
J. REMOVE EXISTING TOILET AND INSTALL NEW TOILET. TYPE: CADET 3 FLO WISE 2-PIECE 1-28 GPF HIGH EFFICIENCY FLOWGATED TOILET IN WHITE
K. TOILET PAPER HOLDER /FIXTURE TO BE INSTALLED /IN-BEDDED INSIDE THE SIDE OF VANITY TO BE PROVIDED BY CONTRACTOR. SELECTION: GLACIER BAY; BUILDERS 3 PIECE BATH ACCESSORY KIT IN BRUSHED NICKEL
L. ADA 1-1/2"x24" GRAB BAR-BRUSHED NICKEL
M. KOHLER 20 IN. W X 26 IN. H RECESSED MEDICINE CABINET

13: HVAC

CONTRACTOR IS RESPONSIBLE TO PROVIDE MECHANICAL CALCULATIONS FROM MECHANICAL CONTRACTOR RESPONSIBLE FOR INSTALLING THE A/C SYSTEM.-INCLUDE MECH. CALCS. COST IN BID
A. CONTRACTOR SHALL REMOVE/REPLACE THE ENTIRE HVAC SYSTEM, INCLUDING ALL DUCTWORK, AND INSTALL A NEW 2-TON HVAC SYSTEM.
B. CONTRACTOR(S) WILL INSTALL NEW DIGITAL PROGRAMMABLE THERMOSTAT. HONEYWELL MODEL#H: 8321
C. NEW EQUIPMENT: INSTALL NEW EQUIPMENT TO COMPLY WITH MANUFACTURER SPECIFICATIONS AND LOCAL CODE REQUIREMENTS. COMFORTMAKER 1.5 SEER N SERIES R410A HP (OR APPROVED EQUAL), RATED AS FOLLOWS:
a. 2 TON HEAT PUMP WITH HEAT STRIP
b. COOLING CAPACITY (BTUH): 24,000
c. EER RATING (COOLING): 12.00
d. SEER RATING (COOLING): 15.00
e. HEATING CAPACITY (BTUH)@ 47 F: 24,000
f. REGION IV HSPF RATING (HEATING): 8.5
g. HEATING CAPACITY (BTUH)@ 17 F: 14,700
h. 10 YEAR LIMITED WARRANTY

14: ELECTRICAL FIXTURES/ EQUIPMENT

A. CONTRACTOR SHALL MAKE REPAIRS TO THE ELECTRICAL SYSTEM AS REQUIRED BY CODE.
B. IN REGARDS TO THE ELECTRICAL RE-WIRING, ALL ELECTRICAL REWIRING SHOULD BE INSTALLED PER CURRENT BUILDING CODES. NO ALUMINUM WIRING SHALL BE USED. REMOVE ANY EXISTING ALUMINUM WIRE AND REPLACE WITH CODE COMPLIANT WIRING.
C. CONTRACTOR SHALL ALSO REPLACE ALL ELECTRICAL BOXES, OUTLETS, PLATES, AND SWITCHES. ITEMS TO BE WHITE. GFCIS SHALL BE REPLACED WITH NEW GFCIS.
D. OUTLET COVERS AND SWITCH COVERS ARE TO BE WHITE AND UNBREAKABLE.
E. INSTALL SMOKE DETECTORS PER CODE REQUIREMENTS. KIDDE MODEL# KN COPED, BATTERY OPERATED PHOTO ELECTRIC COMBO SMOKE AND CARBON MONOXIDE TALKING ALARM
F. KITCHEN AND HALLWAY LIGHT FIXTURES TO BE COMMERCIAL ELECTRIC MODEL# HUB01 1L-2/BN, BRUSHED NICKEL LED ENERGY STAR FLUSH MOUNT
G. LIGHT FIXTURES IN LIVING ROOM AND ALL BEDROOMS ARE TO BE HAMPTON BAY MODEL #S2372. SOUTH/WIND 52 IN. MATTE WHITE CEILING FAN.
H. REPLACE ALL EXTERIOR LIGHTS ON HOUSE.
a. MOTION/SENSOR LIGHT: DEFANTI 180 DEGREE 2-HEAD WHITE OUTDOOR FLOOD LIGHT
b. PORCH FAN/LIGHT: HAMPTON BAY ROANOKE 48 IN. INDOOR/OUTDOOR WHITE CEILING FAN
I. BATHROOM LIGHT: HAMPTON BAY 3-LIGHT BRUSHED NICKEL VANITY

15: TERMITE TREATMENT

A. ONCE DEMOLITION IS COMPLETE THE CONTRACTOR MUST PROVIDE COMPLETE FUMIGATION OF TERMITE TREATMENT FOR THE ENTIRE HOUSE AS WELL AS TREATMENT FOR SUBTERRANEAN TERMITES. THIS MUST OCCUR PRIOR TO ADDITIONS AND NEW MATERIAL BEING ADDED TO THE BUILDING. TREATMENT SHALL INCLUDE A FULL WARRANTY.

16: FINAL CLEANING

IN ADDITION TO THE GENERAL BROOM CLEANING, ALL SURFACES OF THE ENTIRE HOUSE (GARAGE/ PATIO ROOMS SHOULD BE CLEANED USING ONLY CLEANING MATERIAL RECOMMENDED BY MANUFACTURER OF SURFACE TO BE CLEANED AND ONLY ON SURFACES RECOMMENDED BY CLEANING MATERIAL MANUFACTURER. REMOVE ALL MARKS, STAINS, FINGERPRINTS, AND OTHER SOIL AND/OR DIRT FROM ALL PAINTED, DECORATED, & STAINED SURFACES. CLEAN AND POLISH ALL LIGHT FIXTURES, CEILING FANS, HARDWARE AND TRIM FOR ALL TRADES, INCLUDING REMOVAL OF ALL STAINS, DUST, AND MORE. EXISTING TRASH AND DEBRIS SHOULD BE REMOVED FROM THE HOME /PROPERTY.

17: GENERAL ITEMS

A. IT IS STRONGLY RECOMMENDED THAT EVERY BIDDER ATTENDS THE PRE-BID MEETING.
B. CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL NECESSARY BUILDING PERMITS AND FEES TO COMPLETE THIS PROJECT.
C. REFER TO ATTACHED CABINET DRAWINGS AND PRODUCT SPECIFICATIONS.
D. THE CONTRACTOR(S) SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
E. EXISTING CONDITIONS - ALL DIMENSIONS FOR EXISTING CONDITIONS ARE TO BE VERIFIED IN FIELD (V.I.F.) BY THE CONTRACTOR.
F. PRIOR TO COMMENCEMENT OF WORK CONTRACTOR SHALL MEET WITH OWNER REPRESENTATIVE FOR A PRE-CONSTRUCTION MEETING.
G. WORK DATES AND TIMES TO BE 8:00 AM TO 5:00 PM MONDAY TO FRIDAY.
H. CONTRACTOR SHALL LEAVE ALL WORK AREAS CLEAN AT THE END OF EACH DAY. ALL CONSTRUCTION DEBRIS SHALL BE HAULED AND DISPOSED OF OFFSITE.
I. CONTRACTOR SHALL PATCH, REPAIR, AND PAINT ANY DAMAGE TO ADJACENT AREAS WHILE PERFORMING THE SCOPE OF WORK
J. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS, WORKMANLIKE MANNER MATCHING AND ALIGNING ALL SURFACES, WHERE APPLICABLE, TO AFFORD A FINISHED AND CLEAN APPEARANCE. THE CONTRACTOR SHALL CLEAN ALL SURFACES AND REMOVE ALL DIRT AND REFUSE CAUSED BY DEBRIS FROM INSTALLATION TECHNIQUES OF EACH TRADE. ADJACENT EXISTING SURFACES SHALL BE LEFT AS THEY APPEARED PRIOR TO THE COMMENCEMENT OF WORK UNDER THIS CONTRACT.

K. CONTRACTOR SHALL NOT EXCEED (6) SIX CALENDAR MONTHS TO COMPLETE THE PROJECT. LIQUIDATED DAMAGES WILL APPLY TO THIS PROJECT AT \$100.00 PER DAY.

L. CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY ON FLOWGATED TOILET IN WHITE.
M. CONTRACTOR SHALL PROVIDE PCHA WITH A COPY OF ALL WARRANTIES AND MATERIAL SPECS UPON COMPLETION OF PROJECT.
N. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONDITIONS AT THE JOB SITE SO AS TO MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), DURING THE ENTIRE CONSTRUCTION PERIOD. THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL ADVISE AND INFORM HIS EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS OF ALL OSHA REQUIREMENTS.

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Phase : PERMIT SET
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Plot Scale :
Project Number : 1659



GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- PART I GENERAL
1.01 SECTION INCLUDES
A Asphalt roofing shingles.
B Leak barrier and roof deck protection.
C Metal flashing associated with shingle roofing.
D Attic ventilation.
1.02 RELATED SECTIONS
A Section 06100 - Rough Carpentry: Framing, wood decking, and roof sheathing.
B Section 07620 - Flashing and Sheet Metal: Sheet metal flashing not associated with shingle roofing, gutters and downspouts.
C Section 08630 - Unit Skylights: Skylights
1.03 REFERENCES
American Society for Testing and Materials (ASTM) - Annual Book of ASTM Standards
1. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. ASTM B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
3. ASTM B 370 - Standard Specification for Copper Sheet and Strip for Building Construction
4. ASTM D 3018 - Standard Specification for Class A Asphalt Shingles Surfaced with Mineral Granules.
5. ASTM D 3161 - Standard Test Method for Wind-Resistance of Asphalt Shingles (Fan-Induced Method).
6. ASTM D 3462 - Standard Specification for Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules.
7. ASTM D 4586 - Standard Specification for Asphalt Roof Cement, Asbestos-Free.
8. ASTM D 7158 - Standard Test Method for Wind-Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method).
9. ASTM E 903 - Standard Test Method for Solar Absorptance, Reflectance, and Transmission of Materials Using Integrating Spheres. Underwriters Laboratories (UL) - Roofing Systems and Materials Guide (TGFU R1306)
1. UL 790 - Tests for Fire Resistance of Roof Covering Materials.
2. UL 997 - Wind Resistance of Prepared Roof Covering Materials.
3. UL 2218 - Impact Resistance of Prepared Roof Covering Materials.
C Asphalt Roofing Manufacturers Association (ARMA)
D Sheet Metal and Air Conditioning Contractors National Association, 1nc. (SMACNA) - Architectural Sheet Metal Manual.
E National Roofing Contractors Association (NRCA)
F American Society of Civil Engineers (ASCE).
1. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- B Distinctive self sealing hip and ridge cap shingle complementing the color of selected roof shingle. Each bundle covers approx. 31 lineal feet (9.45m) with an 8 inch (203mm) exposure. Ridgeglass™ 12" Ridge Cap Shingles by GAF®.
C Distinctive self sealing hip and ridge cap shingle complementing the color of selected roof shingle. Each bundle covers approx. 31 lineal feet (9.45m) with an 8 inch (203mm) exposure. Ridgeglass™ 10" Ridge Cap Shingles by GAF®.
D Distinctive self sealing hip and ridge cap shingle complementing the color of selected roof shingle. Each bundle covers approx. 31 lineal feet (9.45m) with an 8 inch (203mm) exposure. Ridgeglass™ 8" Ridge Cap Shingles by GAF®.
E Distinctive self sealing hip and ridge cap shingle complementing the color of selected roof shingle. Each bundle covers approx. 25 lineal feet (7.62m) with a 6.23 inch (159mm) exposure. Seal-A-Ridge® Ridge Cap Shingles by GAF®.
F Distinctive hip and ridge cap shingle complementing the color of selected roof shingle. Each bundle covers approx. 33.3 lineal feet (10.15m) with a 5 5/8 inch (147mm) exposure. Z® Ridge Shingles by GAF®.
G Integrated cap shingle and ridge vent design shingle complementing the color of selected roof shingle. Each bundle covers approx. 20 lineal feet (6.10m) with a 9 1/4 inch (235mm) exposure and provides 10.65 sq. in/linear ft. of net free ventilating area. Vented RidgeCrest™ Vented Ridge Cap Shingles by GAF®.
2.04 STARTER STRIP
A Self sealing starter shingle designed for premium roof shingles. Each bundle covers approx. 100 lineal feet (30.48m) for English and metric shingles or 50 lineal feet (15.24m) for oversized shingles. WeatherBlocker™ Eave/Rake Starter Strip by GAF®.
B Self sealing starter shingle designed for all roof shingles. Each bundle covers approx. 120 lineal feet (36.58m). ProStart™ Starter Strip by GAF®.
2.05 LEAK BARRIER
A Self-adhering, self sealing, bituminous leak barrier surfaced with fine, skid-resistant granules. Approved by UL, Dade County, ICC, State of Florida and Texas Department of Insurance. Each roll contains approx. 150 sq ft (13.9 sq m), 36" X 50' (0.9m x 20.3m) or 200 sq ft (18.6 sq m), 36" X 66.7' (0.9m x 20.3m). WeatherWatch® Leak Barrier, by GAF®.
B Self-adhering, self sealing, bituminous leak barrier surfaced with a coated surface and added tack for extra traction. Approved by UL and ICC. Each roll contains approx. 200 sq ft (18.6 sq m), 36in. X 66.7ft. (0.9m x 20.3m). WeatherWatch® XT Leak Barrier, by GAF®.
C Self-adhering, self sealing, bituminous leak barrier surfaced with a smooth polyethylene film. Approved by UL, Dade County, ICC, State of Florida and Texas Department of Insurance. Each roll contains approx. 200 sq ft (18.6 sq m), 36" X 66.7' (0.9m x 20.3m), and 60 mils thick. StormGuard® Leak Barrier, by GAF®.
D Self-adhering, self sealing, SBS modified waterproof leak barrier. Approved by UL, FM, Dade County, and State of Florida. Each roll contains approx. 200 sq ft (18.6 sq m), 39.4in. X 67.8ft. (1 m x 20.7m). UnderRoof™ Waterproof Protection by GAF®.
E Self-adhering air & moisture barrier film surfaced SBS modified flashing. Roll sizes available in 7 different dimensions. Approved by Dade County and Florida Building Code. Storm Flash™ Self-Adhering Flashing by GAF®.
2.06 SHINGLE UNDERLAYMENT
A Premium, water repellent, breather type non-asphaltic underlayment. UV stabilized polypropylene construction. Meets or exceeds ASTM D226 and D4869. Approved by

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- A Store all products in manufacturer's unopened, labeled packaging until they are ready for installation.
B Store products in a covered, ventilated area, at temperature not more than 110 degrees F (43 degrees C); do not store near steam pipes, radiators, or in direct sunlight.
C Store bundles on a flat surface. Maximum stacking height shall not exceed GAF's recommendations. Store all rolls on end.
D Store and dispose of solvent-based materials in accordance with all federal, state and local regulations.
1.11 WEATHER CONDITIONS
A Proceed with work only when existing and forecasted weather conditions will permit work to be performed in accordance with GAF's recommendations
1.12 WARRANTY Provide to the owner a GAF® WeatherStopper® Golden Pledge® Ltd Warranty covering:
1. Roofs installed by a Certified GAF® Master Elite™ Contractor only.
2. Manufacturing defects: 100% coverage for materials and labor for:
a Single family detached homes owned by individuals the first
- 50 years non-prorated, then 20% thereafter for all GAF lifetime shingles.
- 20 years non-prorated, then 20% thereafter for GAF Marquis Weathermax and GAF Royal Sovereign Shingles.
b Any other type of owner or building – 40 years with the first 20 years non-prorated. (excludes Marquis WeatherMax and Royal Sovereign)
3. Workmanship errors: 100% coverage for workmanship errors for:
a Single family detached homes owned by individuals - the first 25 years for after installation. (20 years for Marquis WeatherMax and Royal Sovereign)
b Any other type of owner or building - 20 years.
4. Roof system NOT installed over an existing roof, all existing roof materials must be removed to the deck.
5. Warranted against algae discoloration for 10 years
6. Full roll installations (Roofs installed on portions of buildings do not qualify) using the following GAF® products.
a You must use GAF® Roof Deck Protection.
b You must use eligible GAF® Leak Barrier in valleys and around dormers, sidewalls, firewalls, chimneys, plumbing vents, and skylights. In the North, leak barriers must be used at all eaves at least 24 inch inside warm wall.
c You must use GAF® pre-cut starter strip products (only those with factory applied adhesive) at the eaves. Note: To obtain bonus wind coverage, you must use GAF® pre cut starter strip products (with factory applied adhesive) at the eaves and rakes and you must install each shingle using 6 nails. For Miami Dade County Florida, no adhesive on rakes. You must cement the starter strip in and nail along the rake.
d You must use eligible COBRA® ventilation with adequate intake ventilation. Master Flow® exhaust ventilation products can be substituted only if COBRA® ridge ventilation cannot be installed due to a structure's architecture. In any event, adequate ventilation should meet the following requirements.

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- Dade County, Florida Building Code, and ICC. Each roll contains approximately 10 squares (1033 sq ft) of material and is 54" x 223". Deck-Armor™ Premium Breathable Roof Deck Protection, by GAF®.
B Synthetic, non-asphaltic, non-woven, anti-skid back coated, polypropylene constructed non-breathable underlayment. Meets or exceeds ASTM D226 and D4869 approved by UL, Florida Building Code, ICC and CSA A220.1. Each roll contains approximately 10 squares (1000 gross sq ft) of material and is 48 in. x 250 ft. (14.6 m x 76.2 m). Tiger-Paw™ Roof Deck Protection by GAF®.
C Water repellent, breather type cellulose/glass fiber composite roofing underlayment. Meets or exceeds ASTM D226 and D4869 and approved by UL and the Florida Building Code. Each roll contains approximately 4 squares (432 sq ft.) of material and is 36" x 144". Shingle-Mate® Roof Deck Protection, by GAF®.
D Premium, all-purpose fiberglass reinforced SBS modified underlayment. Meets or exceeds ASTM D226 Approved by UL and ICC. Each roll contains 2 squares (20.06 sqm.) of material and is 39.37 in. x 65.8 ft. (1m x 20m). Roof Pro™ SBS Modified All-Purpose Underlayment by GAF®.
E Non-woven fiberglass mat underlayment coated on both sides using a highly filled polymer. Provides a fire barrier and water resistant. Approved by Dade County, Florida Building Code, and ICC approval. VersaShield® Fire-Resistant Roof Deck Protection by GAF®.
F #15 Roofing Underlayment – By Others: Water repellent breather type cellulose fiber building paper. Meets or exceeds the requirements of ASTM D-4869 Type I.
G #30 Roofing Underlayment - By Others: Water repellent breather type cellulose fiber building paper. Meets or exceeds the requirements of ASTM D-4869 Type II.
2.07 ROOFING CEMENT
A Asphalt Plastic Roofing Cement meeting the requirements of ASTM D 4586, Type I or II.
2.08 ROOF ACCESSORIES
A Exterior acrylic rust resistant aerosol roof accessory paint. Each 6 oz can is available in boxes of 6 and in a wide variety of colors to compliment the roof. Shingle-Match™ Roof Accessory Paint by GAF®.
2.09 ATTIC VENTILATION
A Ridge Vents
1. Flexible rigid plastic ridge ventilator designed to allow the passage of hot air from attics, while resisting snow infiltration. For use in conjunction with eave/soffit ventilation products. Provides 12.5 sq inches Net Free Ventilation Area per lineal foot (8065 sq m/m). Each package contains 20 lineal feet (6.10m) of vent. Cobra® Ridge Runner™ Ridge Vent by GAF®.
2. Flexible ridge ventilator designed to allow the passage of hot air from attics. For use in conjunction with eave/soffit intake ventilation products. Provides 16.9 inches (1430 mm/m) Net Free Ventilation Area (Hand Nail) and 14.1 inches (1193 mm/m) Net Free Ventilation Area (Nail Gun) per lineal foot. Cobra® Exhaust Vent, by GAF®.
3. Rigid plastic ridge ventilator designed to allow the passage of hot air out of attics. For use in conjunction with eave/soffit intake ventilation products. Provides 18.0 sq inches (11613 sq mm/m) in Net Free Ventilation Area per lineal foot. Each package contains 40 lineal feet (12.19m) of vent. Cobra® Rigid Vent 3™ ridge vent (includes 3" (76mm) galvanized ring shank nails), by GAF®.
4. Rigid plastic ridge ventilator designed to allow the passage of hot air from attics while prohibiting snow infiltration. For use in conjunction with eave/soffit intake ventilation products. Provides 18.0 sq inches (11613 sq mm/m) Net Free Ventilation Area per

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- i. Minimum net free ventilation area of 1 sq ft per 150 sq ft of ceiling area is required. When intake vents are located at the eaves and exhaust vents are located near the roof's peak (in a properly balanced system) for maximum air flow, ventilation may be reduced to 1 sq ft per 300 sq ft. If these standards are not met, GAF® cannot be responsible for damage caused by inadequate ventilation.
e You must use GAF® Ridge Cap Shingles or shingles that correspond to the shingle product you are installing.
f You must use eligible GAF® Roofing Shingles.
g New metal flashings must be installed. Metal drip edge must be used at eaves and is recommended at rake edges.
7. In addition to the requirements listed above, you installer must register and pay for this warranty. On projects that total more than 250 squares, the permanent Golden Pledge® Ltd Warranty will be issued only if the project passes GAF's final inspection. GAF® reserves the right to withhold the warranty if the roof has not been installed according to GAF's written application instructions. GAF® also strongly recommends that your Master Elite® Contractor schedule a start-up and at least one interim inspection on projects of 250 squares or more by contacting GAF® at least three weeks prior to the start of roof work.
B Provide to the owner a GAF® Weather Stopper® System Plus Ltd Warranty covering:
1. Roofs installed by a Authorized Home Builder, Certified Contractor or Certified GAF® Master Elite™ Contractor only.
2. Manufacturing defects: 100% coverage for materials and labor for:
a Single family detached homes owned by individuals the first
- 50 years non-prorated, then 20% thereafter for all GAF lifetime shingles.
- 20 years non-prorated, then 20% thereafter for GAF Marquis Weathermax and GAF Royal Sovereign Shingles.
b Any other type of owner or building – 40 years with the first 20 years non-prorated. (excludes Marquis WeatherMax and Royal Sovereign)
3. Warranted against algae discoloration for 10 years
C Provide to the owner a GAF® Smart Choice® Shingle Ltd. Warranty covering:
1. Manufacturing defects: 100% coverage for materials for:
a Single family detached homes owned by individuals the first
- 10 years non-prorated, then 20% thereafter for all GAF lifetime shingles.
- 5 years non-prorated, then 20% thereafter for GAF Marquis Weathermax and GAF Royal Sovereign Shingles.
- 3 years non-prorated, then 20% thereafter for GAF Sentinel Shingles.
b Any other type of owner or building – 40 years with the first 5 years non-prorated.
2. Warranted against algae discoloration for 10 years
D Provide to the owner a GAF® All American Pledge™ Guarantee
1. Provide to the owner a GAF® WeatherStopper® Golden Pledge® Ltd Warranty for the Steep Slope System covering:
a Roofs installed by a Certified GAF® Master Elite™ Contractor only.

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- lineal foot. Each package contains 40 lineal feet (12.19m) of vent. Cobra® Snow Country™ or Cobra® Snow Country Advanced™ Ridge Vent (includes 3" (76mm) galvanized ring shank nails), by GAF®.
B Fascia and Soffit/Under Eave Vents
1. Flexible ridge ventilator designed to allow the passage of air into thru the fascia 1"x3" (25 mm x 76mm) provides a Net Free Ventilation Area of 11 square inches per foot and 1 1/2" x3" (38 mm x 76 mm) provides a Net Free Ventilation Area of 16 square inches per foot. Cobra® Fascia Vent, by GAF®.
2. PVC soffit/under eave premium intake ventilation providing 9 sq.in. of Net Free Ventilation Area. Each section is 12ft. long, 6in. high and 1.25in. thick. Cobra® Fascia Flow™ Premium Intake Ventilation.
3. Surface mounted, screened aluminum, corrosion resistant soffit vent. MasterFlow™ EAC Soffit Vent by GAF®.
4. Surface mounted, high impact resin, oval snap-in designed soffit vent. MasterFlow™ EAP Soffit Vent by GAF®.
5. Continuous aluminum 8ft section soffit vent. MasterFlow™ LSV8 Series Soffit Vent by GAF®.
C Solar Powered Vents
1. Solar powered roof exhaust vent designed to remove damaging heat and moisture from attics. Each vent provides 500 CFM and is solar powered to eliminate related utility costs. Green Machine™ Solar Powered Roof Exhaust Vent, by GAF®.
2. Solar powered intake booster vent designed for houses with insufficient soffit ventilation. Each vent provides up to 500 CFM airflow and is solar powered to eliminate related utility costs. Green Machine™ Solar Powered Intake Booster™ Vent, by GAF®.
3. Solar powered gable mounted exhaust ventilators designed to remove damaging heat and moisture from attics. Each vent provides 500 CFM and is solar powered to eliminate related utility costs. Green Machine™ Solar Powered Gable Vent, by GAF®.
D Dual Powered Vents
1. Dual powered roof exhaust vent designed to remove damaging heat and moisture from attics. Each vent provides 500 CFM and is solar and electric powered to provide continuous operation and reduce related utility costs. Green Machine™ Dual Powered Roof Exhaust Vent, by GAF®.
2. Dual powered gable mounted exhaust ventilators designed to remove damaging heat and moisture from attics. Each vent provides 500 CFM and is solar and electric powered to provide continuous operation and reduce related utility costs. Green Machine™ Dual Powered Gable Vent, by GAF®.
E Powered Vents
1. Powered, rooftop mounted exhaust ventilators designed to evacuate hot air from attics. Each vent permits the passage of 1000 to 1600 c.f.m. Thermostat and/or humidistat controlled. MasterFlow™ PR Series power roof ventilators, by GAF®.
2. Powered, gable mounted exhaust ventilators designed to evacuate hot air from attics. Each vent permits the passage of 1280 to 1600 c.f.m. Thermostat and/or humidistat controlled. MasterFlow™ PG Series power roof ventilators, by GAF®.
F Roof Louvers

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

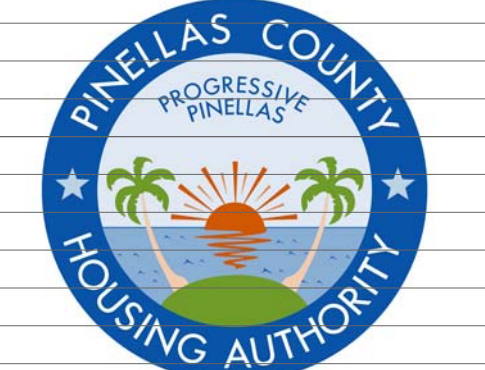
- b Manufacturing defects: 100% coverage for materials and labor for:
i. Single family detached homes owned by individuals the first
- 50 years non-prorated, then 20% thereafter for all GAF lifetime shingles.
- 20 years non-prorated, then 20% thereafter for GAF Marquis Weathermax and GAF Royal Sovereign Shingles.
ii. Any other type of owner or building – 40 years with the first 20 years non-prorated. (excludes Marquis WeatherMax and Royal Sovereign)
c. Workmanship errors: 100% coverage for workmanship errors for:
i. Single family detached homes owned by individuals - the first 25 years for after installation. (20 years for Marquis WeatherMax and Royal Sovereign)
ii. Any other type of owner or building - 20 years.
2. Roof system NOT installed over an existing roof, all existing roof materials must be removed to the deck.
3. Warranted against algae discoloration for 10 years
4. Provide Manufacturers standard WeatherStopper® Diamond Pledge™ Guarantee for the Low Slope system covering:
a Single source Edge-to-Edge coverage* and no monetary limitation, where the manufacturer agrees to repair or replace components in the roofing system and pre-approved metal edge details, which cause a leak due to a failure in materials or workmanship.
i Duration: (20) Twenty years from the date of completion
PART II PRODUCTS
2.01 MANUFACTURERS
A Acceptable Manufacturer: GAF®, 1361 Alps Rd. Wayne NJ 07470. Tel: 1-973-628-3000
B Requests for substitutions will be considered in accordance with provisions of Section 01600.
2.02 SHINGLES
A Self sealing, granule surfaced, asphalt shingle with a strong fiberglass reinforced Micro Weave® core and StainGuard® protection, which prevents pronounced discoloration from blue-green algae through formulation/unique blends of granules. Architectural laminate styling provides a wood shake appearance with a 5 5/8 inch exposure. Features GAF's patented High Definition® color blends and enhanced shadow relief effect. UL 790 Class A rated with UL 997 Wind Resistance Label. ASTM D 7158, Class H; ASTM D 3161, Type 1; ASTM D 3018, Type 1; ASTM D 3462; AC438, CSA A123 5-98; Dade County Approved, Florida Building Code Approved, Texas Dept of Insurance Approved, ICC Report Approved. Timberline® HD Lifetime High Definition Shingles, by GAF®.
1. Color: As selected from manufacturers' full range.
2. Color: _____
2.03 HIP AND RIDGE SHINGLES
A High profile self sealing hip and ridge cap shingle matching the color of selected roof shingle. Each bundle covers approx. 20 lineal feet (6.10m). TimberTex® Premium Ridge Cap Shingles, by GAF®.

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- 1. Rooftop mounted, square-top designed, high-impact resin exhaust ventilator designed to evacuate hot air from attics. Each vent provides 80 sq in NFVA. MasterFlow™ RT-65 Passive Roof Louver, by GAF®.
2. Rooftop mounted, slant-back designed, metal exhaust ventilator designed to evacuate hot air from attics. Each vent provides 60 sq in NFVA. MasterFlow™ SB 960A Passive Roof Louver, by GAF®.
3. Rooftop mounted, slant-back designed, high-impact resin exhaust ventilator designed to evacuate hot air from attics. Each vent provides 65 sq in NFVA. MasterFlow™ IR65 Passive Roof Louver, by GAF®.
4. Rooftop mounted, low-profile square-top designed, high-impact resin exhaust ventilator designed to evacuate hot air from attics. Each vent provides 37 sq in NFVA. MasterFlow™ IR-61 Passive Roof Louver, by GAF®.
5. Rooftop mounted, square-top, slant-back, metal exhaust ventilator designed to evacuate hot air from attics. Each vent provides 50 sq in NFVA. MasterFlow™ HSB50A Passive Roof Louver, by GAF®.
6. Rooftop mounted, square-top metal utility ventilator designed to evacuate hot air from attics, bathrooms, and kitchen ducts. Each vent provides 50 sq in NFVA. MasterFlow™ RV50A Metal Utility Vent, by GAF®.
G Gable Louvers
1. Surfaced mounted, flush or recessed one piece integral construction in thermoformed plastic or aluminum. MasterFlow™ DA Series or SL Series Gable Louver by GAF®.
2. Circular surfaced mounted, one piece integral construction high-impact white plastic mini vent. MasterFlow™ RLSO Series Circular Louver by GAF®.
H Roof Turbines
1. Rooftop mounted, stainless dual bearing, high performance, aluminum rotary turbine exhaust vents. MasterFlow™ AIC12 & AIC14 Rotary Turbine Vents by GAF®.
2. Rooftop mounted, stainless dual bearing, high performance, galvanized rotary turbine exhaust vents. MasterFlow™ GC12E Rotary Turbine Vent by GAF®.
I Whole House Fans
attic spaces greater than 1000sq ft only
1. Interior ceiling mounted belt drive deluxe house fan. Super quiet 1/3 hp permanent split capacitor motor, wall switch operated. MasterFlow™ 30BWHFS Belt Drive Deluxe Whole House Fan by GAF®.
2. Interior ceiling mounted direct drive standard house fan. Super quiet 1/4 hp permanent split capacitor motor, chain switch operated. MasterFlow™ WHFS24M Direct Drive Standard Whole House Fan by GAF®.
3. Interior ceiling mounted tandem whole house fan. 2 speed remote operated. MasterFlow™ WHFTAN1 Tandem Whole House Fan by GAF®.
2.10 VENTILATION ACCESSORIES
A Chimney Cap
1. Stainless steel vented chimney cap. MasterFlow™ CC1313SS Safety Cap by GAF®.
2. Epoxy powder finished vented chimney cap. MasterFlow™ CC99, CC913 and CC1313 Safety Cap by GAF®.
3. Epoxy powder finished adjustable bracket mount vented chimney cap. MasterFlow™ CC99, CC913 and CC1313 Safety Cap by GAF®.
B Foundation Vent

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RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N LARGO, FL 33778

MANUFACTURER NOTE

- CONTRACTOR TO FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS, ANY DEVIATION FROM THE PLANS OR SPECS SHALL BE BROUGHT TO THE ARCHITECT AND THE OWNER FOR REVIEW
CONTRACTOR RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION
ANY DISCREPANCY BETWEEN MANUFACTURER INSTALLATION INSTRUCTIONS AND DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD FOR CLARIFICATION.

John J. McKenna Architect P.A.

600 N. WILLOW ST. SUITE 300 TAMPA, FLORIDA 33606 PHONE : 813.258.5559 FLORIDA LICENSE - AA C001774 E-MAIL : mckenna42@verizon.net

Sheet Name: SHINGLES SPECIFICATIONS Phase: PERMIT SET Revision: 3.3.2017 Date: Author Checked by: Checker Plot Scale: Project Number: 1659



GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- 1. High Density Polyethylene constructed electric foundation vent provides up to 330 CFM/airflow. Independent laboratory approved. Masterflow™ PFV1 Foundation Vent by GAF®.
2. High Density Polyethylene constructed automatic foundation vent. Masterflow™ FVRABL Foundation Vent by GAF®.
3. Die Cast aluminum positive open/closed damper foundation vent. Masterflow™ 500 Foundation Vent by GAF®.
4. Galvanized steel or aluminum high level ventilation foundation vent. Masterflow™ BVSH Foundation Vent by GAF®.
2.11 NAILS
A Standard round wire, zinc-coated steel or aluminum, 10 to 12 gauge, smooth, barbed or deformed shank, with heads 3/8 inch (9mm) to 7/16 inch (11mm) in diameter. Length must be sufficient to penetrate into solid wood at least 3/4 inch (19mm) or through plywood or oriented strand board by at least 1/8 inch (3.18mm).
2.12 METAL FLASHING
24 gauge hot-dip galvanized steel sheet, complying with ASTM A 653/A 653M, G90/Z275
B 16-oz/sq ft (0.56mm) copper sheet, complying with ASTM B 370.
C 0.032-inch (0.8mm) aluminum sheet, complying with ASTM B 209.
PART III EXECUTION
3.01 EXAMINATION
A Do not begin installation until the roof deck has been properly prepared.
B If roof deck preparation is the responsibility of another installer, notify the architect or building owner of unsatisfactory preparation before proceeding.
3.02 PREPARATION
Remove all existing roofing down to the roof deck.
B Verify that the deck is dry, sound, clean and smooth. It shall be free of any depressions, waves, and projections. Cover with steel metal, all holes over 1 inch (25mm) in diameter, cracks over 1/2 inch (12mm) in width, loose knots and excessively resinous areas.
C Replace damaged deck with new materials.
D Clean deck surfaces thoroughly prior to installation of eaves protection membrane and underlayment.
3.03 PREPARATION
Clean deck surfaces thoroughly prior to installation of eaves protection membrane and underlayment.
B At areas that receive eaves protection membrane, fill knotholes and cracks with latex filler.
C Install crickets on the upslope side of all chimneys in the north, any chimney wider than 24" (610mm), and on all roofs steeper than 6/12.
3.04 PREPARATION
Verify that the deck is structurally sound and free of deteriorated decking. All deteriorated decking shall be removed and replaced with new materials.
B Verify that the existing shingles are dry, sound, clean and smooth. All curled, buckled or loose tabs shall be nailed down or removed.
C Clean shingle surfaces thoroughly prior to installation of eaves protection membrane and underlayment.
3.05 INSTALLATION OF UNDERLAYMENTS General:

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- 1. Install using methods recommended by GAF®, in accordance with local building codes. When local codes and application instructions are in conflict, the more stringent requirements shall take precedence.
B Eaves:
1. Install eaves edge metal flashing tight with fascia boards; lap joints 2 inches (51mm) and seal with plastic cement or high quality urethane sealant; nail at the top of the flange.
2. In the north, and on all roofs between 2/12 and 4/12 (low slopes) install GAF® leak barrier up the slope from eaves edge a full 36 inches (914mm) or to at least 24 inches (610 mm) beyond the interior "warm wall". Lap ends 6 inches (152mm) and bond.
C Valleys:
1. Install eaves protection membrane at least 36 (914mm) inches wide and centered on the valley. Lap ends 6 inches (152mm) and seal.
2. Where valleys are indicated to be "open valleys", install metal flashing over GAF® leak barrier before GAF® roof deck protection is installed. DO NOT nail through the flashing. Secure the flashing by nailing at 18 inches (457 mm) on center just beyond edge of flashing so that nail heads hold down the edge.
D Hips and Ridges:
1. Install GAF® leak barrier along entire lengths. If ridge vents are to be installed, position the GAF® leak barrier so that the ridge slots will not be covered.
E Roof Deck:
1. Install one layer of GAF® roof deck protection over the entire area not protected by GAF® leak barrier at the eaves or valley. Install sheets horizontally so water sheds and nail in place.
2. On roofs sloped at more than 4:12, lap horizontal edges at least 2 inches (51mm) and at least 2 inches (51mm) over eaves protection membrane.
3. On roofs sloped between 2:12 and 4:12, lap horizontal edges at least 19 inches (482 mm) and at least 19 inches (482mm) over eaves protection membrane.
4. Lap ends at least 4 inches (102 mm). Stagger end laps of each layer at least 36 inches (914 mm).
5. Lap GAF® roof deck protection over GAF® leak barrier in valley at least 6 inches (152mm).
F Deck-Armor™ Application
1. Deck-Armor shall be installed over a clean, dry deck.
2. Install Weather Watch® or StormGuard® Leak Barrier at eaves, valleys, rakes, skylights, dormers and other vulnerable leak areas.
3. Lay Deck-Armor™ over deck and overlap 3" (76mm) at side laps and 6" (152mm) at end laps.
4. For exposure to rain or snow, overlap 12" (305mm) at end laps.
5. For side and end laps: fasten Deck-Armor 12" (305mm) o.c. (6" (152mm) o.c. for high wind areas).
6. For middle of the roll: fasten Deck-Armor 24" (610mm) o.c. (12" (305mm) o.c. for high wind areas).

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- 7. For exposure to rain or snow, completely cover all side laps, end laps and fasteners with tape.
8. For long term exposure see complete Deck-Armor installation instructions for side lap detail.
9. If roof may be exposed to high winds, apply tape over all fasteners at the center of the roll to prevent rain or snow from entering at the fasteners.
10. For slopes less than 2:12, a double application of Deck-Armor is required. See complete Deck-Armor installation instructions for more information.
G Penetrations:
1. Vent pipes: Install a 24 inch (610 mm) square piece of eaves protection membrane lapping over roof deck underlayment, seal lightly to pipe.
2. Vertical walls: Install eaves protection membrane extending at least 6 inches (152mm) up the wall and 12 inches (305mm) on to the roof surface. Lap the membrane over the roof deck underlayment.
3. Skylights and roof hatches: Install eaves protection membrane from under the built-in counterflashing and 12 inches (305mm) on to the roof surface lapping over roof deck underlayment.
4. Chimneys: Install eaves protection membrane around entire chimney extending at least 6 inches (152mm) up the wall and 12 inches (305mm) on to the roof surface. Lap the membrane over the roof deck underlayment.
5. Rake Edges: Install metal edge flashing over eaves protection membrane and roof deck underlayment; set tight to rake boards; lap joints at least 2 inches (51mm) and seal with plastic cement; secure with nails.
3.06 INSTALLATION OF STARTER SHINGLES
A General:
1. Install in accordance with GAF®'s instructions and local building codes. When local codes and application instructions are in conflict, the more stringent requirements shall take precedence.
2. Refer to application instructions for the selected starter strip shingles.
B Placement and Nailing:
1. For maximum wind resistance along rakes & eaves, install any GAF® starter strip containing sealant or cement shingles to underlayment and each other in a 4" (102mm) width of asphalt plastic roof cement.
2. Place starter strip shingles 1/4" - 3/4" (6 - 19mm) over eave and rake edges to provide drip edge.
3. Nail approximately 1-1/2" - 3" (38 - 76mm) above the butt edge of the shingle.
4. Rake starter course should overlap eave edge starter strip at least 3" (76mm).
3.07 INSTALLATION OF SHINGLES
A General:
1. Install in accordance with GAF®'s instructions and local building codes. When local codes and application instructions are in conflict, the more stringent requirements shall take precedence.

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- 2. Minimize breakage of shingles by avoiding dropping bundles on edge, by separating shingles carefully (not by "breaking" over ridge or bundles), and by taking extra precautions in temperatures below 40 degrees F (4 degrees C).
3. Handle carefully in hot weather to avoid scuffing the surfacing, or damaging the shingle edges.
B Placement and Nailing:
Secure with 4, 5, or 6 nails per shingle per GAF®'s application instructions or local codes.
2. Placement of nails varies based on the type of shingle specified. Consult the application instructions for the specified shingle for details.
3. Nails must be driven flush with the shingle surface. Do not overdrive or under drive the nails.
4. Shingle offset varies based on the type of shingle specified. Consult the application instructions for the specified shingle for details.
C Placement and Nailing:
Beginning with the starter strip, trim shingles so that they "nest" within the shingle located beneath it. This procedure will yield a first course that is typically 3 inch (76mm) to 4 inch (102mm) rather than a fully exposed shingle.
2. Laterally, offset the new shingles from the existing keyways, to avoid waves or depressions caused by excessive dips in the roofing materials.
3. Using the bottom of the tab on existing shingles, align subsequent courses.
4. *Note: DO NOT install standard sized shingles (5inch exposure) over metric (5 5/8 inch exposure) shingles, as it will overexpose the shingles and reveal the nails. Use standard alignment methods to assure proper shingle placement.
5. Secure with 4, 5, or 6 nails per shingle per GAF®'s instructions or local codes.
6. Placement of nails varies based on the type of shingle specified. Consult the application instructions for the specified shingle for details.
7. Nails must be driven flush with the shingle surface. Do not overdrive or under drive the nails.
8. Shingle offset varies based on the type of shingle specified. Consult the application instructions for the specified shingle for details.
D Valleys
Install valleys using the "open valley" method:
a Snap diverging chalk lines on the metal flashing, starting at 3 inches (76mm) each side of top of valley, spreading at 1/8 inch per foot (9mm per meter) to the eaves.
b Run shingles to chalk line.
c Trim last shingle in each course to match the chalk line; do not trim shingles to less than 12 inches (305mm) wide.
d Apply a 2 inch (51mm) wide strip of plastic cement under ends of shingles, sealing them to the metal flashing.
2. Install valleys using the "closed cut valley" method:
a Run the first course of shingles from the higher roof slope across the valley at least 12 inches (305mm).
b Run succeeding courses of shingles from the lower roof slope across the valley at least 12 inches (305mm) and nail not closer than 6 inches (152mm) to center of valley.

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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- c Run shingles from the upper roof slope into the valley and trim 2 inches (51mm) from the center line.
3. Install valleys using "woven valley" method: Run shingles from both roof slopes at least 12 inches (305mm) across center of valley, lapping alternate sides in a woven pattern.
b DO NOT nail less than 6 inches (152mm) from the valley center line.
E Penetrations
1. All Penetrations are to be flashed according to GAF®, ARMA and NRCA application instructions and construction details.
F Skylights and Roof Hatches
1. Consult the manufacturer of the skylight or roof hatch for specific installation recommendations.
2. Skylights and roof hatches shall be installed with pre-fabricated metal flashings specifically designed for the application of the unit.
3.08 INSTALLATION OF ATTIC VENTILATION
A General
1. Ventilation must meet or exceed current F.H.A., H.U.D. and local code requirements.
B Ridge / Soffit ventilation
1. Install ridge vent along the entire length of ridges.
2. Cut continuous vent slots through the sheathing, stopping 6 inches (152mm) from each end of the ridge.
3. On roofs without ridge board, make a slot 1 inch (25mm) wide, on either side of the peak (2 inch (51mm) overall).
4. On roofs with ridge board, make two slots 1-3/4 inches (44.5mm) wide, one on each side of the peak (3 1/2 inch (89mm) overall).
5. Install ridge vent material along the full length of the ridge, including uncut areas.
6. Butt ends of ridge vent material and join using roofing cement.
7. Install eaves vents in sufficient quantity to equal or exceed the ridge vent area.
C Roof and Gable Louvers:
1. Cut vent hole through sheathing as specified by the manufacturer for the type of vent to be installed.
2. Install a 24 inches (610mm) square of leak barrier, centered around the hole for roof louvers.
3. Install according to manufacturers instructions for flashing vent penetrations.
4. Install eave vents in sufficient quantity to equal or exceed the exhaust vent area, calculated as specified by manufacturer.
D Powered (& Solar Powered) Ventilators & Roof turbines:
1. Cut vent hole through sheathing as specified by the manufacturer for the type of vent to be installed.
2. On rooftop applications, install a 36 inches (914mm) square of leak barrier, centered around the hole.
3. Install according to manufacturers instructions for flashing vent penetrations.

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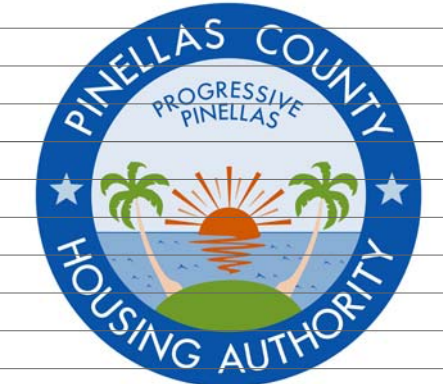
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GAF TIMBERLINE HD SHINGLE GUIDE SPECIFICATION

- 4. Install eave vents in sufficient quantity to equal or exceed the exhaust vent area, calculated as specified by manufacturer.
E Whole House Fans
1. Install at desired locations in ceiling below attic space per manufacturer recommended location and application instructions.
3.09 INSTALLATION OF VENTILATION ACCESSORIES
A Chimney Caps
1. Install chimney caps to manufacturer recommendations.
B Foundation Vents
1. Install foundation vents per manufacturer recommendations and applications.
3.10 PROTECTION
A Protect installed products from foot traffic until completion of the project.
B Any roof areas that are not completed by the end of the workday are to be protected from moisture and contaminants.
END OF SECTION

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RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N LARGO, FL 33778

John J. McKenna Architect P.A.

600 N. WILLOW ST. SUITE 300 TAMPA, FLORIDA 33606 PHONE : 813.258.5559 FLORIDA LICENSE - AA C001774 E-MAIL : mckenna42@verizon.net

THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF JOHN J. MCKENNA ARCHITECT P.A.

Sheet Name : SHINGLES SPECIFICATIONS

Phase : PERMIT SET

Revision :

Date : 3.3.2017

Drawn by : Author

Checked by : Checker

Plot Scale :

Project Number : 1659

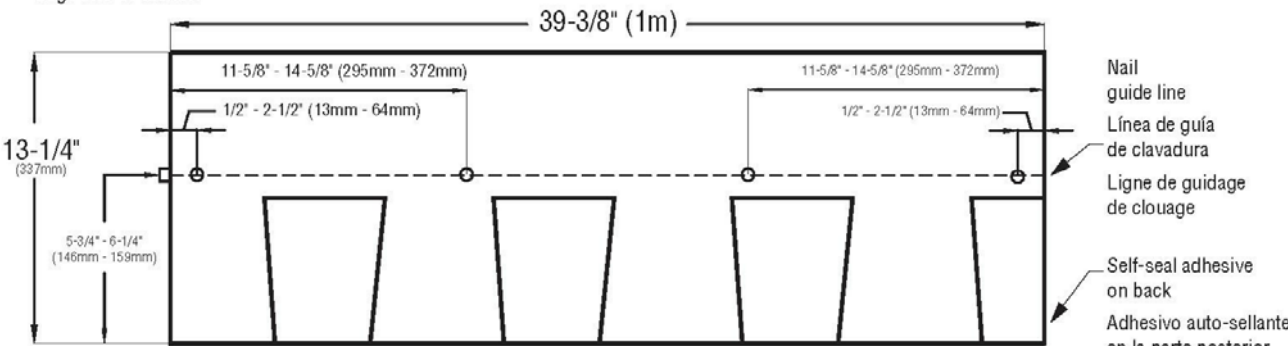


NAILING INSTRUCTIONS / HAND-SEALING
INSTRUCCIONES DE CLAVADURA / SELLADO A MANO
INSTRUCTIONS DE CLOUAGE / SCELLEMENT À LA MAIN

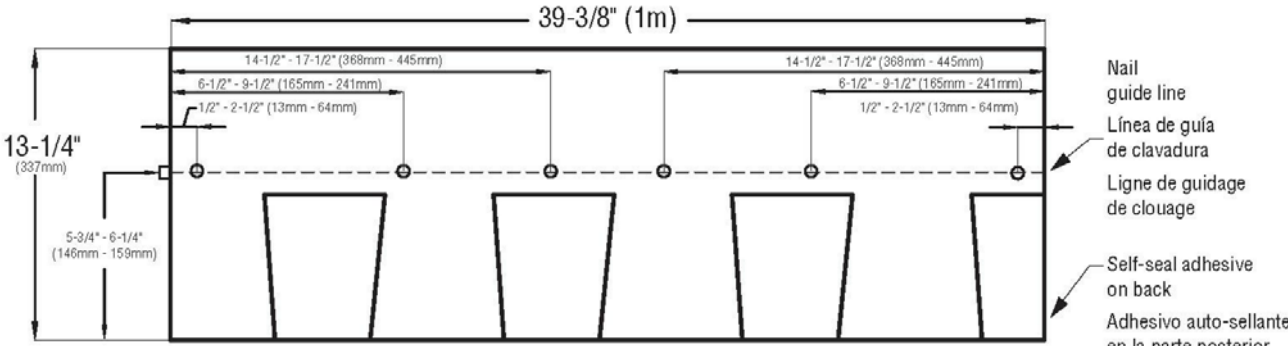
These shingles MUST be nailed a nominal 6" (152mm) from bottom of shingle, above the cut-outs, as shown. Nails must not be exposed. To hand-seal shingles and to insure immediate sealing, apply 4 quarter-sized tabs of shingle tab adhesive on the back of the shingle 1" (25mm) and 13" (330mm) in from each side and 1" (25mm) up from bottom of the shingle. Press shingle firmly into the adhesive. **CAUTION:** Apply ONLY a thin uniform layer of asphalt plastic cement less than 1/8" (3mm) thick. Excess amounts can cause blistering of the shingles and may soften the asphalt in underlayment and leak barriers, resulting in the asphalt dripping and staining.

Estas tejas DEBEN clavarse un nominal 6" (152mm) de la parte inferior de la teja, por encima de los recortes, como se muestra. Clavos no deben ser expuestos. Para entregar tejas sellas y para asegurar sellado inmediato, aplica 4 toques suaves cuarto-calibrados de adhesivo de etiqueta de tabilla en la espalda de la teja 1" (25 mm) y 13" (330 mm) en de cada lado y 1" (25 mm) arriba de fondo de la tabilla. Presione firmemente sobre el adhesivo. **ATENCIÓN:** Aplique SOLAMENTE una capa fina y uniforme de cemento asfáltico de plástico menos de 1/8" (3mm) de espesor. Cantidades excesivas pueden causar ampollas de la cubribrilla y puede ablandar el asfalto en las capas de base y las barreras de fuga, lo que resulta en el asfalto de goteo y las manchas.

Ces bardeaux DOIVENT être clavés à une distance nominale de 152mm (6po) de leur base, au dessus des portons découpés, comme indiqué. Les clous ne doivent pas être exposés. Pour transmettre les bardeau le cachet et assurer scellier immédiat, appliquer 4 toques de quart-calibré d'adhésif d'étiquette de bardeau sur le dos du bardeau 1" (25 mm) et 13" (330 mm) en de chaque côté et 1" (25 mm) en haut du fond du bardeau. Pour assurer scellier immédiat, appuyer le bardeau fermement dans l'adhésif. **PRUDENCE:** S'appliquer SÉULEMENT une couche uniforme mince d'asphalte ciment en plastique moins que 1/8" (3 mm) épais. Les quantités supplémentaires peuvent causer peler des bardeaux et peuvent amollir l'asphalte dans GAF underlayments et les barrières de fuite de GAF, avoir pour résultat l'asphalte qui dégoûte et tachet.



STANDARD NAILING PATTERN - four nails per shingle
ESQUEMA DE CLAVADURA ESTÁNDAR - cuatro clavos por teja
PATRON DE CLOUAGE STANDARD - quatre clous par bardeau



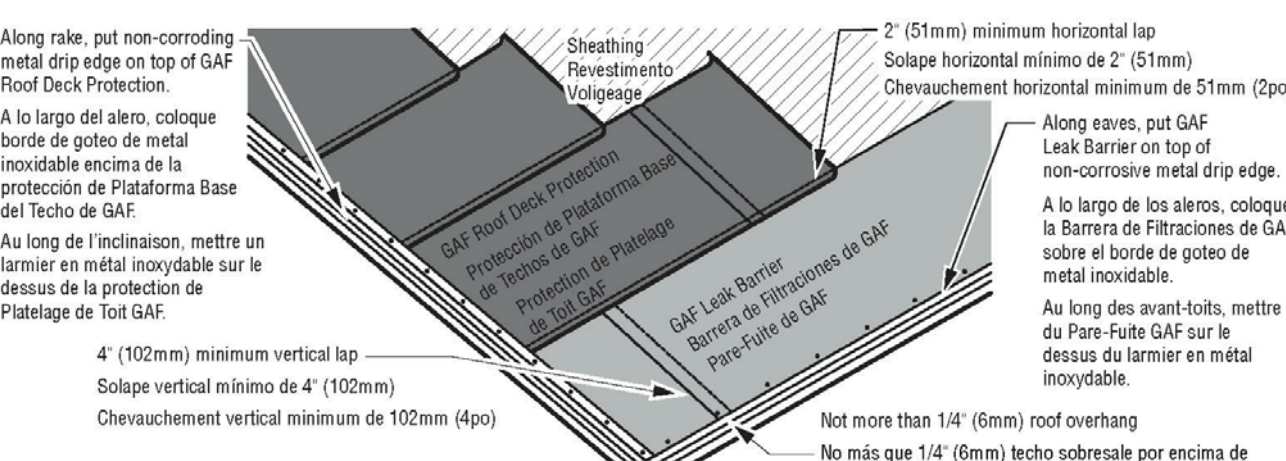
ENHANCED NAILING PATTERN - six nails per shingle*
 *required by some local codes and required for enhanced wind coverage on certain products.
 *See limited warranty for details.

MODELO DE CLAVADURA AUMENTADO - seis clavos por teja*
 *requerido por algunos códigos locales y requerido para cobertura aumentada contra el viento en ciertos productos.
 garantía limitada Ver para los detalles.
PATRON DE CLOUAGE ACCRU - six clous par bardeau*
 *requis par certains codes locaux pour une couverture accrue contre les vents sur certains produits.
 garantie limitée Voir pour des détails.

UNDERLAYMENT: FOR ROOF SLOPES 4:12 OR MORE
Application of eave flashing: At eaves and valleys, 6" (152mm) wide aluminum, galvanized steel, copper, or other non-corroding, non-staining metals (24 gauge minimum). Long valleys or local building codes may require wider metal at the edges so the nail heads hold in place. Do not puncture the metal. Nailing through the metal may cause heating and boiling due to movement.

CAPA BASE: PARA TECHOS CON PENDIENTES DE 4:12 O MÁS
Aplicación de verticargos para aleros: En los aleros y donde se pueda esperar la presencia de estancamientos de hielo, use una Capa de Barrera de Filtraciones de GAF. El verticargos para aleros extenderse 24" (610mm) más allá de la línea interior de la pared.

MEMBRANE OF PROTECTION: FOR ROOF PENTES DE 4:12 OU PLUS
Application of eave flashing: Au niveau des avant-toits et des extrémités où les accumulations de glace peuvent survenir, veuillez utiliser une couche Pare-Fuite de GAF. Le solin d'avant-toit doit s'étendre de 24po (610mm) au-delà de la ligne du mur intérieur. **Application d'une membrane de protection:** Couvrir le platelage avec une couche de Protection de Platelage de Toit GAF installée sans placement. Utiliser un suffisamment de clous pour maintenir en place la membrane de protection jusqu'à ce qu'elle soit recouverte de bardeaux.

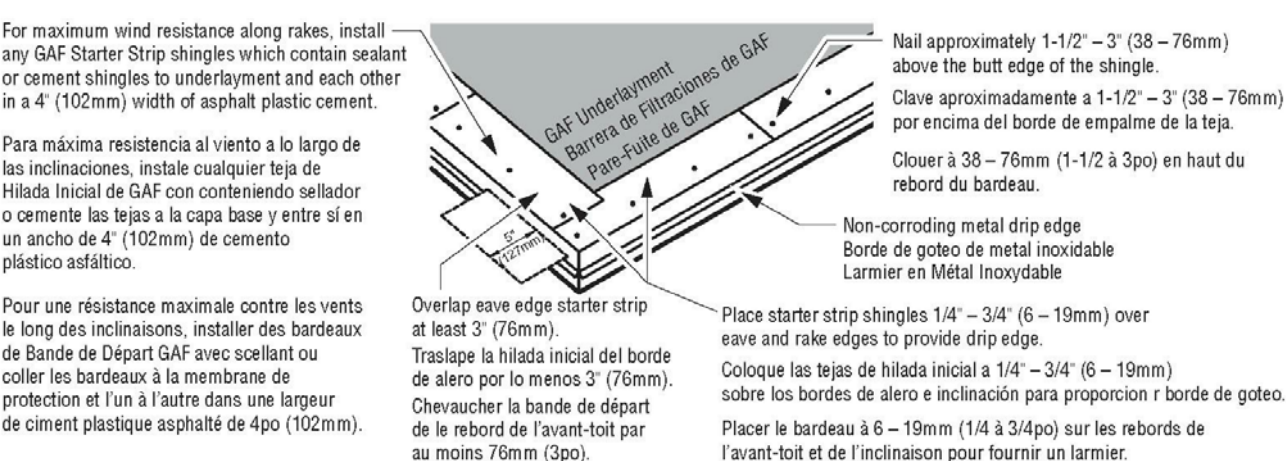


INSTALLING STARTER STRIP SHINGLES
INSTALACION DE TEJAS DE HILADA INICIAL
INSTALLATION DES BARDEAUX DE BANDE DE DÉPART

STARTER COURSE
 Use GAF starter strip shingles along the eaves and rale. Apply as shown. **NOTE:** GAF starter strip shingles are recommended at the rales for best performance and required for enhanced warranty coverage on certain products (see limited warranties for details). Refer to application instructions for the selected starter strip shingles.

HILADA INICIAL
 Use GAF starter strip shingles along the eaves and rale. Apply as shown. **NOTE:** GAF starter strip shingles are recommended at the rales for best performance and required for enhanced warranty coverage on certain products (see limited warranties for details). Refer to application instructions for the selected starter strip shingles.

RANG DE DÉPART
 Utilisez les bardeaux de bande de départ de GAF le long des avant-toits et inclinaison. Appliquez tel qu'indiqué. **REMARQUE:** Les bardeaux de bande de départ GAF sont recommandés aux inclinaisons pour une meilleure performance et sont requis pour une couverture de garantie accrue contre les vents sur certains produits (voir la garantie limitée pour les détails). Suivre les instructions d'application des bardeaux de bande de départ.



VALLEY CONSTRUCTION - OPEN
 Use minimum 20" (508mm) wide aluminum, galvanized steel, copper, or other non-corroding, non-staining metals (24 gauge minimum). Long valleys or local building codes may require wider metal at the edges so the nail heads hold in place. Do not puncture the metal. Nailing through the metal may cause heating and boiling due to movement.

CONSTRUCCIÓN DEL VALLE - DE CORTE ABIERTO
 Use un ancho mínimo de 20" (508mm) de aluminio, acero galvanizado, cobre y otro metal inoxidable que no manche (calibre 24 como mínimo). Los valles largos o los códigos locales de construcción pueden requerir un metal más ancho. Clave el metal en los bordes de modo tal que las cabezas de los clavos sostengan el metal en su lugar. No perforo el metal. Clavar a través del metal puede causar filtraciones y amolamiento debidos al movimiento.

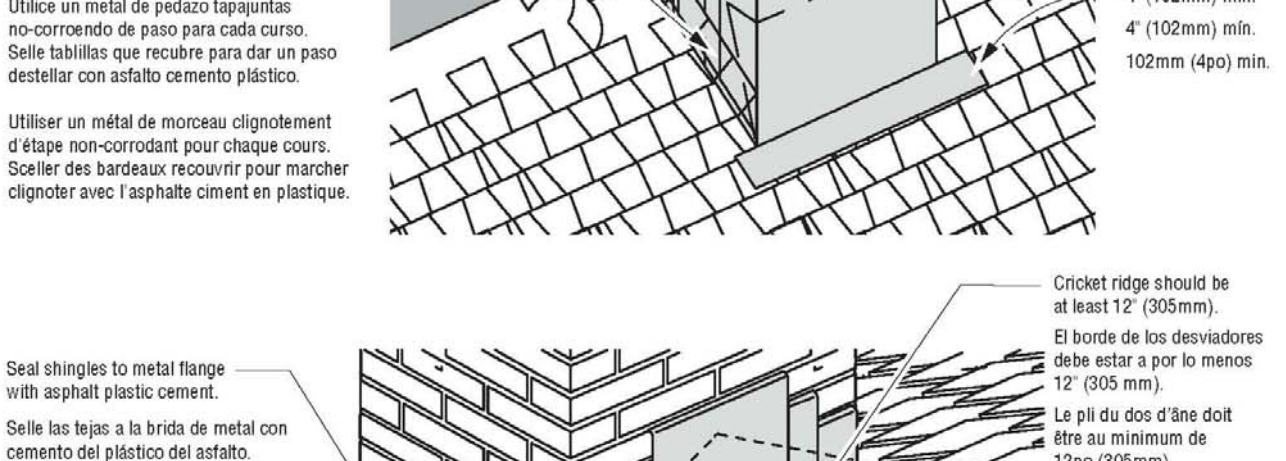
CONSTRUCTION DE NOUVE - NOUVE OUVERTE
 Utilisez de l'aluminium de largeur de 508mm (20po), de l'acier galvanisé, du cuivre ou autres métaux qui ne tachent pas et un rouillent pas, (de calibre 24 au minimum). Des noues plus longues ou les codes locaux peuvent nécessiter un métal plus large. Clouer le métal sur les rebords afin que les têtes de clous le tiennent en place. Ne pas percer le métal. Clouer au travers du métal peut causer des fuites et des bombements dus au mouvement.



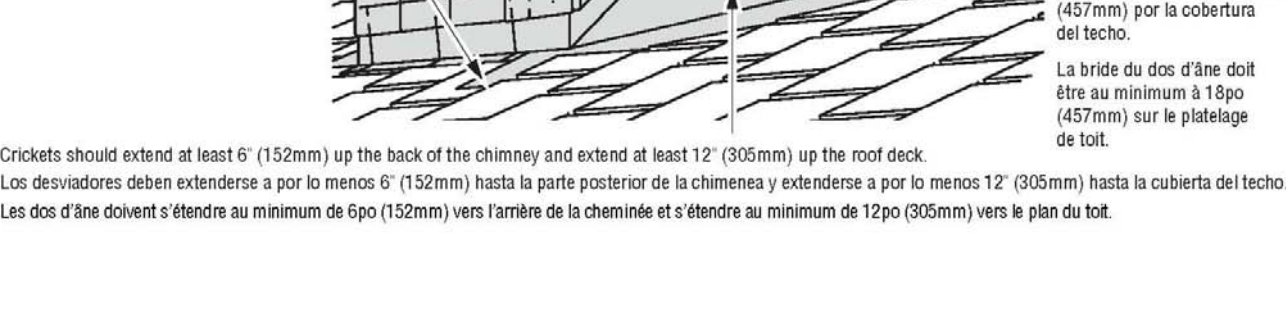
VALLEY CONSTRUCTION - CLOSED CUT
 Use minimum 20" (508mm) wide aluminum, galvanized steel, copper, or other non-corroding, non-staining metals (24 gauge minimum). Long valleys or local building codes may require wider metal at the edges so the nail heads hold in place. Do not puncture the metal. Nailing through the metal may cause heating and boiling due to movement.

CONSTRUCCIÓN DEL VALLE - CORTE CERRADO
 Use un ancho mínimo de 20" (508mm) de aluminio, acero galvanizado, cobre y otro metal inoxidable que no manche (calibre 24 como mínimo). Los valles largos o los códigos locales de construcción pueden requerir un metal más ancho. Clave el metal en los bordes de modo tal que las cabezas de los clavos sostengan el metal en su lugar. No perforo el metal. Clavar a través del metal puede causar filtraciones y amolamiento debidos al movimiento.

CONSTRUCTION DE NOUVE FERMÉE - COUPE FERMÉE
 Utilisez de l'aluminium de largeur de 508mm (20po), de l'acier galvanisé, du cuivre ou autres métaux qui ne tachent pas et un rouillent pas, (de calibre 24 au minimum). Des noues plus longues ou les codes locaux peuvent nécessiter un métal plus large. Clouer le métal sur les rebords afin que les têtes de clous le tiennent en place. Ne pas percer le métal. Clouer au travers du métal peut causer des fuites et des bombements dus au mouvement.

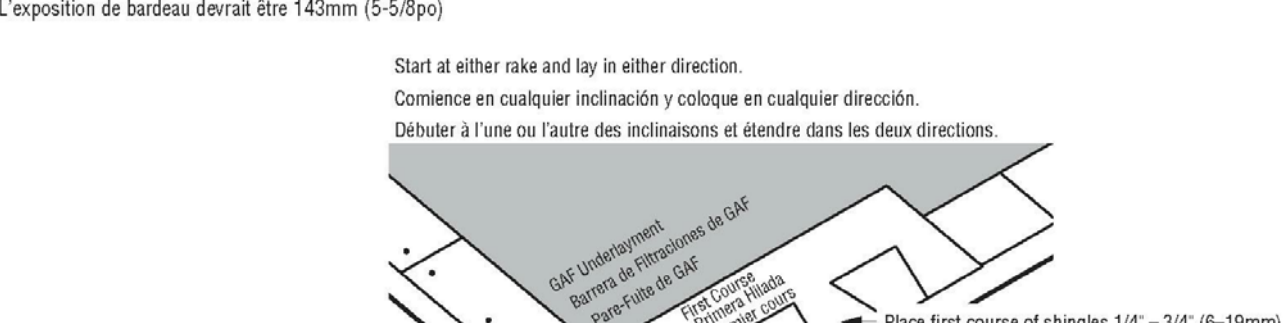


WALL FLASHING (Sloped Roof to Wall)
VERTICARGOS DE PARED (techo en Pendiente hacia la Pared)
SOLINS MURAUX (de Toit en Pente à Mur)

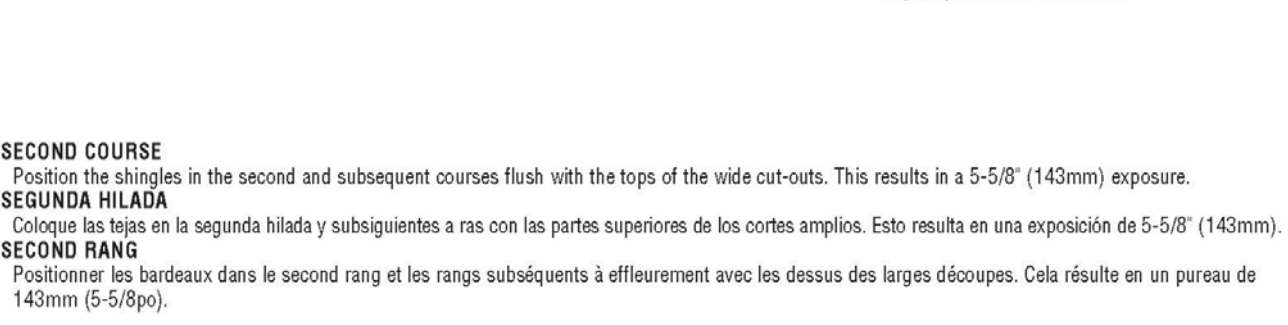


INSTALLING SHINGLES
INSTALACIÓN DE TEJAS
INSTALLATION DES BARDEAUX

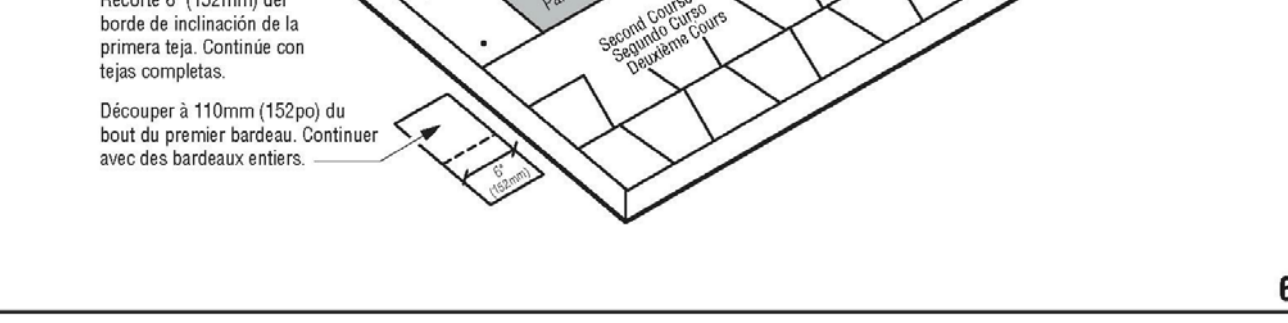
FIRST COURSE
 Shingle exposure should be 5-5/8" (143mm)
PRIMERA HILADA
 La exposición de la tabilla debe ser 5-5/8" (143mm)
PREMIER RANG
 L'exposition de bardeau devrait être 143mm (5-5/8po)



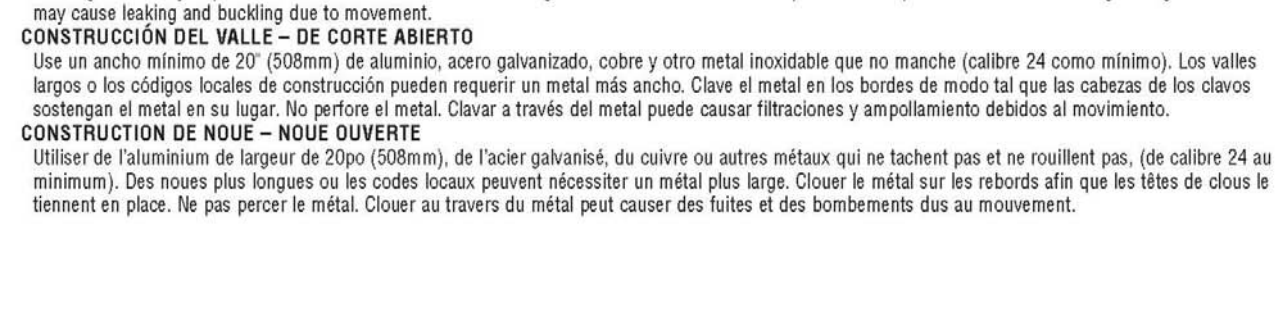
SECOND COURSE
 Position the shingles in the second and subsequent courses flush with the tops of the wide cut-outs. This results in a 5-5/8" (143mm) exposure.
SEGUNDA HILADA
 Coloque las tejas en la segunda hilada y subsiguientes a ras con las partes superiores de los cortes amplios. Esto resulta en una exposición de 5-5/8" (143mm).
SECOND RANG
 Positionner les bardeaux dans le second rang et les rangs subséquents à effleurage avec les dessus des larges découps. Cela résulte en un pureau de 143mm (5-5/8po).



THIRD COURSE
 Shingle exposure should be 5-5/8" (143mm)
TERCERA HILADA
 Trosième rang
 L'exposition de bardeau devrait être 143mm (5-5/8po)



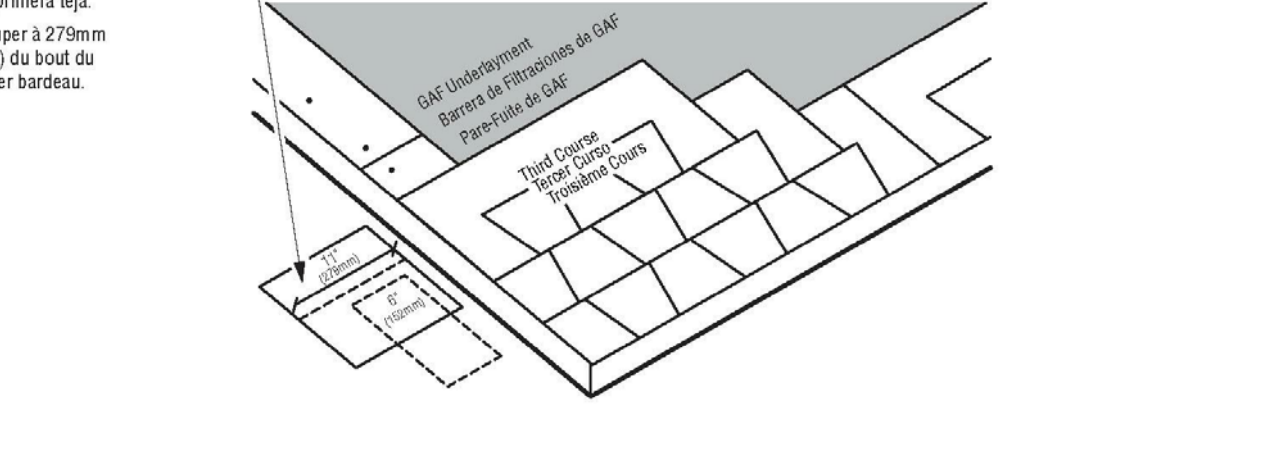
FOURTH COURSE AND REMAINING
 Shingles shall be placed every 6 courses to check parallel alignment with eaves.
4TA. HILADA Y RESTANTES
 Trace una línea de teja aproximadamente cada 6 hiladas para controlar la alineación paralela con los aleros.
4ÈME RANG ET LES RANGS RESTANTS
 Tracer une ligne de teja à environ tous les 6 rangs pour vérifier l'alignement en parallèle avec les avant-toits.



VALLEY CONSTRUCTION - OPEN
 Use minimum 20" (508mm) wide aluminum, galvanized steel, copper, or other non-corroding, non-staining metals (24 gauge minimum). Long valleys or local building codes may require wider metal at the edges so the nail heads hold in place. Do not puncture the metal. Nailing through the metal may cause heating and boiling due to movement.

CONSTRUCCIÓN DEL VALLE - DE CORTE ABIERTO
 Use un ancho mínimo de 20" (508mm) de aluminio, acero galvanizado, cobre y otro metal inoxidable que no manche (calibre 24 como mínimo). Los valles largos o los códigos locales de construcción pueden requerir un metal más ancho. Clave el metal en los bordes de modo tal que las cabezas de los clavos sostengan el metal en su lugar. No perforo el metal. Clavar a través del metal puede causar filtraciones y amolamiento debidos al movimiento.

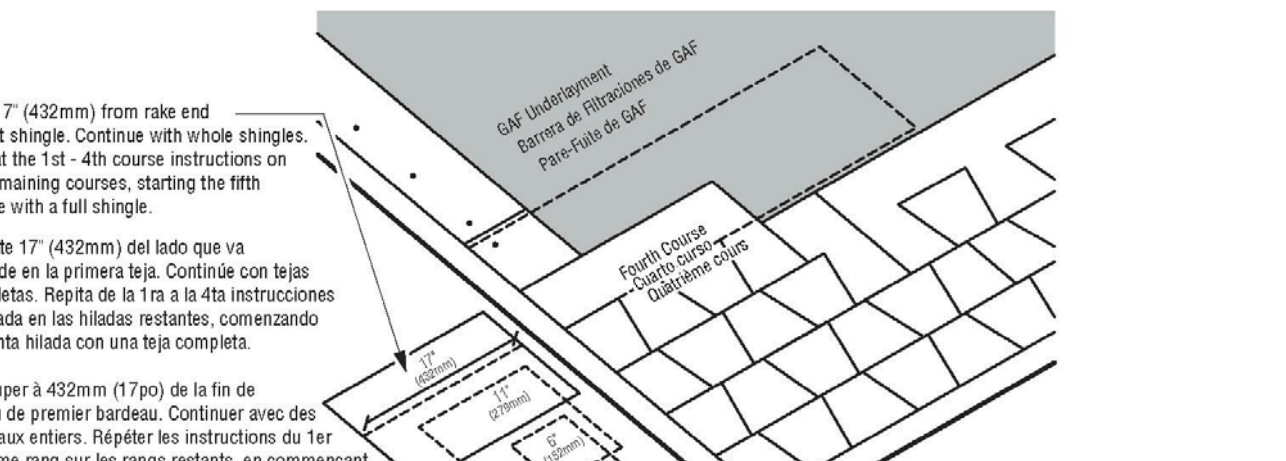
CONSTRUCTION DE NOUVE - NOUVE OUVERTE
 Utilisez de l'aluminium de largeur de 508mm (20po), de l'acier galvanisé, du cuivre ou autres métaux qui ne tachent pas et un rouillent pas, (de calibre 24 au minimum). Des noues plus longues ou les codes locaux peuvent nécessiter un métal plus large. Clouer le métal sur les rebords afin que les têtes de clous le tiennent en place. Ne pas percer le métal. Clouer au travers du métal peut causer des fuites et des bombements dus au mouvement.



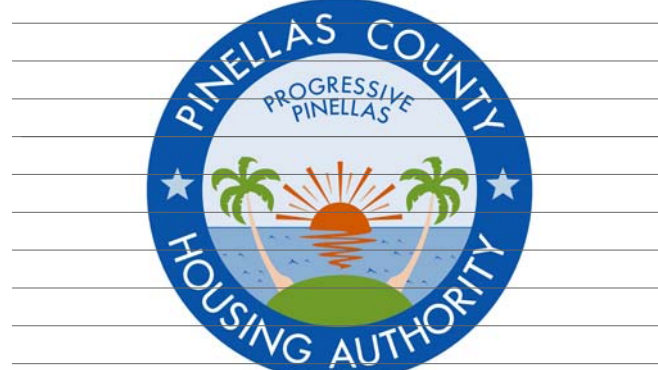
VALLEY CONSTRUCTION - CLOSED CUT
 Use minimum 20" (508mm) wide aluminum, galvanized steel, copper, or other non-corroding, non-staining metals (24 gauge minimum). Long valleys or local building codes may require wider metal at the edges so the nail heads hold in place. Do not puncture the metal. Nailing through the metal may cause heating and boiling due to movement.

CONSTRUCCIÓN DEL VALLE - CORTE CERRADO
 Use un ancho mínimo de 20" (508mm) de aluminio, acero galvanizado, cobre y otro metal inoxidable que no manche (calibre 24 como mínimo). Los valles largos o los códigos locales de construcción pueden requerir un metal más ancho. Clave el metal en los bordes de modo tal que las cabezas de los clavos sostengan el metal en su lugar. No perforo el metal. Clavar a través del metal puede causar filtraciones y amolamiento debidos al movimiento.

CONSTRUCTION DE NOUVE FERMÉE - COUPE FERMÉE
 Utilisez de l'aluminium de largeur de 508mm (20po), de l'acier galvanisé, du cuivre ou autres métaux qui ne tachent pas et un rouillent pas, (de calibre 24 au minimum). Des noues plus longues ou les codes locaux peuvent nécessiter un métal plus large. Clouer le métal sur les rebords afin que les têtes de clous le tiennent en place. Ne pas percer le métal. Clouer au travers du métal peut causer des fuites et des bombements dus au mouvement.



WALL FLASHING (Sloped Roof to Wall)
VERTICARGOS DE PARED (techo en Pendiente hacia la Pared)
SOLINS MURAUX (de Toit en Pente à Mur)



RESIDENCE RENOVATION

Pinellas County Housing Authority
 12065 134th PI N
 LARGO, FL 33778

MANUFACTURER NOTE

- CONTRACTOR TO FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS, ANY DEVIATION FROM THE PLANS OR SPECS SHALL BE BROUGHT TO THE ARCHITECT AND THE OWNER FOR REVIEW.
- CONTRACTOR RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION.
- ANY DISCREPANCY BETWEEN MANUFACTURER INSTALLATION INSTRUCTIONS AND DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD FOR CLARIFICATION.

John J. McKenna Architect P.A.
 600 N. WILLOW ST. SUITE 300
 TAMPA, FLORIDA 33606
 PHONE : 813.258.5559
 FLORIDA LICENSE - AA C001774
 E-MAIL : mckenna42@verizon.net

THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF JOHN J. MCKENNA ARCHITECT P.A.
 Sheet Name : SHINGLES INSTALLATION INSTRUCTIONS
 Phase : PERMIT SET
 Revision :
 Date : 3.3.2017
 Drawn by : Author
 Checked by : Checker
 Plot Scale :
 Project Number : 1659





ALL-AMERICAN PLEDGE™ ROOF GUARANTEE



No. _____

OWNER: _____

BUILDING AND ADDRESS: _____

LOW-SLOPE ROOF SPECIFICATION: _____ STEEP-SLOPE ROOF SHINGLE: _____

LOW-SLOPE ROOF: _____ SQS STEEP-SLOPE ROOF: _____ SQS

APPLIED BY: _____

DATE OF COMPLETION: _____ GUARANTEE EXPIRATION DATE: _____

LOW-SLOPE ROOF SYSTEM – GUARANTEE THE GUARANTEE/SOLE AND EXCLUSIVE REMEDY

GAF guarantees to you, the original owner of the building described above, that GAF will provide "Edge To Edge" protection by repairing leaks through the GAF roofing membrane, liquid-applied membrane or coating, base flashing, high wall waterproofing flashing, insulation, expansion joint covers, prefashed accessories, and metal flashings used by the contractor of record that meet SMACNA standards (the "GAF Roofing Materials") resulting from a manufacturing defect, ordinary wear and tear, or workmanship in applying the GAF Roofing Materials. There is no dollar limit on covered repairs. Leaks caused by any materials other than those listed above, such as the roof deck, non-GAF insulation, or any other materials used in the construction of the low-slope roof system, are not covered.

LOW-SLOPE ROOF SYSTEM – GUARANTEE PERIOD

This guarantee term for your Low-Slope Roof System lasts for _____ years from the date of completion. NOTE: Lexsoco® and uncoated M-Curb™ flashings are covered by this guarantee ONLY for the first ten years.

STEEP-SLOPE ROOF SYSTEM – THE LIMITED WARRANTY WHAT IS COVERED/EXCLUDED

This warranty covers certain GAF Steep-Slope roofing products installed on your roof including GAF Shingles, GAF Ridge Cap Shingles, GAF Starter Strip Shingles, GAF Leak Barrier, GAF Roof Deck Protection, and GAF Cobra® Attic Ventilation (the "GAF Products"). This warranty does not cover ShingleMatch™ Roof Accessory Paint, Master Flow® Attic Ventilation, or any non-GAF roof products, such as roofing nails. Misapplication of your GAF Products and flashings at valleys, dormers, chimneys, and plumbing vents (the "Covered Flashings") is also covered.

MANUFACTURING DEFECTS: LIFETIME SHINGLES

All GAF Shingles covered by this warranty, other than Royal Sovereign® and Marquis® WeatherMax® Shingles, carry a Lifetime warranty against manufacturing defects and a non-prorated period of 50 years. (Note: This limited warranty is not available for roofs with Sentinel® Shingles.) The word "Lifetime" means as long as you, the original owner(s) for the second owner(s) if coverage was properly transferred within the first 20 years, own the property where the shingles are installed. The Lifetime warranty term and 50-year non-prorated period are applicable only to shingles installed on a single-family detached residence owned by individual(s). For any other type of owner or building, such as a corporation, government entity, religious entity, condominium, or homeowner association, school, apartment building, office building, or multi-use structure, the length of the warranty is 40 years and the non-prorated period is 20 years.

MANUFACTURING DEFECTS: OTHER SHINGLES

Marquis® WeatherMax® Shingles are warranted against manufacturing defects for 30 years; Royal Sovereign® Shingles are warranted for 25 years. The non-prorated period is 20 years for both Marquis® WeatherMax® and Royal Sovereign® Shingles.

MISAPPLICATION: GAF PRODUCTS AND COVERED FLASHINGS

When Lifetime Shingles are installed in the field of the roof, coverage for application errors, including the misapplication of Covered Flashings, lasts for the first 25 years after installation for single family detached residences owned by individual(s). For other types of owners or buildings and for shingles other than Lifetime Shingles, coverage lasts for 20 years.

FAILURE TO SEAL/BLOW-OFFS/WIND DAMAGE

Coverage lasts for 15 years.

ALGAE DISCOLORATION

All StainGuard®-labeled shingles and ridge cap shingles are warranted against algae discoloration for 10 years.

MANUFACTURING DEFECTS: WHAT IS COVERED/SOLE AND EXCLUSIVE REMEDY

GAF Warranty Company, LLC, a subsidiary of GAF, warrants that your GAF Products will remain free from manufacturing defects and that your GAF Products and Covered Flashings will remain free from application errors that adversely affect their performance during the applicable warranty term listed above. Note: Failure to seal/blow-offs/wind damage and algae discoloration are covered separately below.

(a) During the non-prorated period: If any of your GAF Products are found to have a manufacturing defect or there is an application error in installing your GAF Products or Covered Flashings that adversely affect performance, GAF will pay you the full reasonable cost of labor to repair or re-cover the affected GAF Products or Covered Flashings, and will provide replacement products. The costs of labor to tear off some or all of your GAF Products and disposal are included if necessary to repair your roof.

(b) After the non-prorated period: The repair or re-cover cost which GAF will pay, and the roof products to be provided, will be reduced to reflect the amount of use you have received from your roof through the date of your claim. The amount of use will be calculated by dividing the number of months which have elapsed since installation to the date of the claim by the number of months in the guarantee term.

For a Lifetime warranty, GAF's contribution in years 51 and beyond will be 20%.

MISAPPLICATION: WHAT IS COVERED/SOLE AND EXCLUSIVE REMEDY

If any of your GAF Products or Covered Flashings is found to have application errors that adversely affect performance, GAF will arrange to have your roof repaired or re-covered or, at its sole option, will provide you with replacement roofing product(s) and reimburse you for the full reasonable cost of labor and other materials to repair or re-cover your roof, including Covered Flashings. The costs of labor to tear off some or all of your GAF Products and Covered Flashings and disposal are included if necessary to repair your roof.

After the non-prorated period, GAF's maximum liability for any roof shall NOT exceed three times the reasonable cost of replacement GAF Products before any reduction for use.

FAILURE TO SEAL/BLOW-OFFS/WIND DAMAGE: WHAT IS COVERED/SOLE AND EXCLUSIVE REMEDY

This Failure To Seal/Blow-Offs/Wind Damage Warranty is specifically conditioned on your shingles or ridge cap shingles being fastened and installed strictly in accordance with GAF's application instructions. GAF warrants to you that your shingles and ridge cap shingles will not fail to seal and that your other GAF Products will not blow off or sustain damage from winds (including gusts) up to the applicable wind speed listed below after your shingles and ridge cap shingles should have sealed but did not due to a manufacturing defect. If your shingles and ridge cap shingles do fail to seal, blow off, or suffer wind damage, or your other GAF Products blow off or sustain damage from winds, GAF's contribution to you will be for the reasonable costs of replacing the blown-off shingles or ridge cap shingles and other affected GAF Products and hand-sealing any unsealed shingles or ridge cap shingles. Costs relating to metal work and flashings are not included. GAF's maximum liability under this paragraph is to reimburse you for the cost of hand-sealing all of the shingles or ridge cap shingles on your roof.

Shingle	Wind Speed Coverage with special installation (mph/km/h)	Wind Speed Coverage without special installation (mph/km/h)
All GAF Lifetime Shingles	130/209*	110/175
Marquis® WeatherMax®	80/130	80/130
Royal Sovereign®	60/96	60/96

*Your roof will be covered up to the maximum wind speed above ONLY if your shingles are installed using 6 nails per shingle and you have GAF Starter Strip Products installed at the eaves and rakes.

Ridge Cap Shingle	Wind Speed Coverage with special installation (mph/km/h)	Wind Speed Coverage without special installation (mph/km/h)
Timbertex® & Ridglass®	130/209*	110/175
All other GAF Ridge Cap Shingles	90/144*	70/112

*Your ridge cap shingles will be covered up to the maximum wind speed above ONLY if your ridge cap shingles are installed in strict accordance with the *Maximum Wind Speed Coverage Under Ltd. Warranty* section of the applicable ridge cap shingle application instructions.

SEE LIMITATIONS AND EXCLUSIONS ON REVERSE (Continued on reverse)

Note: All self-sealing shingles and ridge cap shingles, including GAF's, must be exposed to warm, sunny conditions for several days before they completely seal. Before sealing occurs, shingles and ridge cap shingles are vulnerable to blow-offs and wind damage. Shingles or ridge cap shingles installed in Fall or Winter may not seal until the following spring. Shingles or ridge cap shingles that are not exposed to direct sunlight or to adequate surface temperatures or that are not fastened properly may never seal. Failures to seal, blow-offs, and wind damage under these circumstances result from the nature of self-sealing shingles and ridge cap shingles, not a manufacturing defect, and are not covered under this warranty.

ALGAE DISCOLORATION: WHAT IS COVERED/SOLE AND EXCLUSIVE REMEDY

This StainGuard® Limited Warranty applies only to shingles and ridge cap shingles sold in packages bearing the StainGuard® logo. GAF warrants to you that blue-green algae (also known as cyanobacteria) will not cause a pronounced discoloration of your StainGuard® labeled shingles or ridge cap shingles. During the first year, if your StainGuard® labeled shingles or ridge cap shingles do exhibit a pronounced discoloration caused by blue-green algae, GAF's contribution will be either the reasonable cost of commercially cleaning your shingles or ridge cap shingles or, at GAF's option, replacing discolored shingles or ridge cap shingles up to a maximum of the original installed cost of the affected shingles or ridge cap shingles. During the remainder of the StainGuard® warranty period, GAF's contribution to you will be reduced to reflect the amount of use you have received from your shingles or ridge cap shingles since they were installed (100%, reduced by a percentage equal to the number of months from the installation date to the date of claim divided by 120). **Note:** Preventing pronounced algae-related discoloration of your shingles or ridge cap shingles is achieved through formulations or through unique blends of granules.

BOTH ROOF SYSTEMS – EXCLUSIONS FROM COVERAGE

(e.g., items that are not "ordinary wear and tear" or are beyond GAF's control) The All-American Pledge™ Roof Guarantee does NOT cover conditions other than leaks. The All-American Pledge™ Roof Guarantee also does NOT cover leaks caused by any of the following:

- Inadequate roof maintenance, that is, the failure to follow the Scheduled Maintenance Checklists provided with this guarantee (extra copies available by calling Guarantee Services at 1-800-ROOF-411) for the low-slope portion or standard good roofing practices for the steep-slope portion of your roof.
- Unusual weather conditions or natural disasters including, but not limited to, windstorms (if your claim involves your Low-Slope Roof System) or winds above the applicable wind speed stated above (for your Steep-Slope Roof System), hail, floods, hurricanes, lightning, tornadoes, and earthquakes, unless specifically covered under this guarantee, or by a separate limited warranty providing additional coverage (e.g., where an EverGuard® TPO Puncture Resistance Limited Warranty is also issued for a roof, damage from hail may be covered under the terms of that limited warranty), or ice damming on your Steep-Slope Roof above the area covered by leak barriers or above flashings.
- Damage to either roof due to: (a) movement or cracking of the roof deck or building; (b) improper installation or failure of any non-GAF insulation or materials; (c) infiltration or condensation of moisture through or around the walls, copings, building structure, or surrounding materials unless high wall GAF waterproofing flashings are installed; (d) chemical attack on your roof systems including, but not limited to, exposure to grease or oil; (e) the failure of wood nails to remain attached to the structure; (f) inadequate attic ventilation; (g) impact of foreign objects on the roof; (h) improper storage or handling of any roofing products; or (i) the use of materials that are incompatible with the products covered by this guarantee.
- Traffic of any nature on the roof unless, for your Low-Slope roof system, using GAF walk pads applied in accordance with GAF's published application instructions.
- Blisters in the Low-Slope Roof System that have not resulted in leaks unless (a) the blister is between the base sheet and insulation and a Stratavent® Eliminator™ Perforated Venting Base Sheet is installed directly over isocyanurate insulation, or (b) the blister is in a seam and may affect the watertight integrity of the Low-Slope Roof System.
- Changes in the use of the building or any repairs, modifications, or additions to your roof systems after completion, unless approved in writing by GAF.
- Conditions that prevent positive drainage or result from ponding water (asphaltic and restoration systems only).
- Exposure to sustained high-temperature conditions; however, for systems utilizing EverGuard Extreme® TPO membrane, exposure in excess of 195°F.
- Any condition (e.g., base flashing height or lack of counter flashing) that is not in accordance with GAF's published application instructions, or any deviation or modification from any published specification or application instructions, unless specifically authorized by a GAF Field Services Manager or Director in writing.
- Shading or variations in the color of your shingles, or discoloration caused by fungus, mold, lichen, algae (except for blue-green algae if your shingles were labeled with the StainGuard® logo), or other contaminants, including that caused by organic materials on the roof or membrane fading or discoloration.
- Damages caused by, or the cost to repair or replace, products not supplied by GAF, including, but not limited to, counter flashing, or GAF products not specifically included above.
- Improperly designed or installed gutter or downspout systems.
- Damage to or caused by rooftop air conditioning units (and their flashing), pipe works, brace works, rooftop satellite dishes or other radio/tv devices, counter flashing, or flashings other than those specifically included above.

OTHER LIMITATIONS CONCERNING COVERAGE

STEEL SLOPE: Decisions as to the extent of repair, recover, or cleaning required, and the reasonable cost of such work, will be made solely by GAF. GAF reserves the right to arrange directly for your roof products to be repaired, re-covered, or cleaned instead of reimbursing you for such work. The remedy under this warranty is available only for those GAF Products actually exhibiting manufacturing defects, application errors (including misapplication of Covered Flashings), or blue-green algae growth at the time of settlement. Any replacement GAF Products will be warranted only for the remainder of the original warranty period. GAF reserves the right to discontinue or modify its shingles or accessories, including the colors available, so any replacement shingles or accessories may not be an exact match for the shingles or accessories on your roof. Even if GAF does not modify a color, replacement shingles or accessories may not match your original shingles or accessories due to normal weathering, manufacturing variations, or other factors.

LOW SLOPE: Any INSPECTIONS made by GAF are limited to a surface inspection only, are for GAF's sole benefit, and do not constitute a waiver of any of the terms and conditions of this guarantee.

BOTH ROOF SYSTEMS – NOTIFICATION OF LEAKS/CLAIMS; OWNER'S RESPONSIBILITIES

In the event of a leak through your Low-Slope Roofing System or a claim in connection with your Steep-Slope Roofing System, you must make sure that GAF is notified directly about the leak or claim within 30 days of discovery or GAF will have no responsibility under this guarantee. For a leak, notify GAF in writing either by email (preferred) at guarantee@laf.com or by postal mail to GAF Guarantee Services, 1361 Alps Rd., Bldg. 11-1, Wayne, NJ 07470. For a claim, you must either call GAF at 1-800-458-1860 about your claim or send a notice in writing to GAF Warranty Services at the same address. **NOTE:** Your roofing contractor and dealer are NOT agents of GAF; notice to your roofing contractor or dealer is NOT notice to GAF.

For your Steep-Slope Roof System, GAF may require you to send to GAF, at your expense, sample products for testing and photographs. Within a reasonable time after proper notification, GAF will evaluate your claim and resolve it in accordance with the terms of this guarantee. Any claim for products that have been replaced before notifying GAF of your claim may be denied.

For your Low-Slope Roof System, by notifying GAF, you authorize GAF to investigate the cause of the leak. If the investigation reveals that the leak is not covered by this guarantee, you agree to pay an investigation cost of \$500. This guarantee will be cancelled if you fail to pay this cost within 30 days of receipt of an invoice for it.

You should retain this document for your records in the unlikely event that you need to file a claim.

Preventative Maintenance and Repairs

- In order to help keep your roof performing properly, you must perform regular inspections and maintenance and keep records of this work.
- To keep this guarantee in effect, you must repair conditions in the building structure or roofing system that are not covered by this guarantee but that GAF concludes may be threatening the integrity of the GAF Roofing Materials (e.g., porous walls allowing water entry into the roofing system).
- You may make temporary repairs to minimize damage to the building or its contents in an emergency, at your sole expense. These repairs will not result in cancellation of the guarantee as long as they are reasonable and customary and do not result in permanent damage to the GAF Roofing Materials or GAF products.
- Any equipment or material that impedes any inspection or repair must be removed at your expense so that GAF can perform inspections or repairs.

BOTH ROOF SYSTEMS – TRANSFERABILITY

This All-American Pledge™ Roof Guarantee may be transferred or assigned once to a subsequent owner of this building for the remaining term but only if: 1) the request is in writing within 60 days after transfer of ownership; 2) you make any repairs to your Roof Systems or other roofing or building components that are identified by GAF after an inspection as necessary to preserve the integrity of your Roof Systems; and 3) you pay an assignment fee of \$500. This guarantee is NOT otherwise transferable or assignable by contract or by operation of law, either directly or indirectly.

SOLE AND EXCLUSIVE WARRANTY/GUARANTEE

THIS WARRANTY/GUARANTEE IS EXCLUSIVE AND REPLACES ALL OTHER WARRANTIES, CONDITIONS, REPRESENTATIONS AND GUARANTEES, WHETHER EXPRESS OR IMPLIED, WHETHER BY STATUTE, AT LAW OR IN EQUITY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This written warranty/guarantee is your exclusive warranty from GAF and represents the SOLE REMEDY available to any owner of GAF Products. GAF makes NO OTHER REPRESENTATIONS, CONDITIONS, GUARANTEES, OR WARRANTIES of any kind other than that stated herein. GAF WILL NOT BE LIABLE IN ANY EVENT FOR CONSEQUENTIAL, PUNITIVE, SPECIAL, INCIDENTAL, OR OTHER SIMILAR DAMAGES OF ANY KIND, INCLUDING DAMAGE TO THE INTERIOR OR EXTERIOR OF ANY BUILDING, whether for breach of this warranty/guarantee, negligence, strict liability in tort, or for any other cause. Some jurisdictions do not allow limitations on or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

MODIFICATION OF GUARANTEE

This guarantee may not be changed or modified except in writing, signed by an officer of GAF. This guarantee gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

BOTH ROOF SYSTEMS – MEDIATION; JURISDICTION; CHOICE OF LAW

The parties agree that, as a condition precedent to litigation, any controversy or claim relating to the All-American Pledge™ Roof Guarantee shall be first submitted to mediation before a mutually acceptable mediator. In the event that mediation is unsuccessful, the parties agree that neither one will commence or prosecute any lawsuit or proceeding other than before the appropriate state or federal court in the State of New Jersey. This All-American Pledge™ Roof Guarantee shall be governed by the laws of the State of New Jersey, without regard to principles of conflicts of laws. Each party irrevocably consents to the jurisdiction and venue of the above identified courts.

NOTE: This guarantee becomes effective only when all bills for installation and supplies have been paid in full to the roofing contractor and materials suppliers, and the guarantee charge has been paid to GAF.

This document must have a raised seal to be valid.

GAF
1361 Alps Road
Wayne, NJ 07470

By: _____ Date: _____
Authorized Signature COMTS570



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

John J. McKenna
Architect P.A.

600 N. WILLOW ST. SUITE 300
TAMPA, FLORIDA 33606
PHONE : 813.258.5559
FLORIDA LICENSE - AA C001774
E-MAIL : mckenna42@verizon.net

THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF JOHN J. MCKENNA ARCHITECT P.A.

Sheet Name : ROOF SHINGLES WARRANTY
Phase : PERMIT SET
Revision :
Date : 3.3.2017
Drawn by : DC
Checked by : JJM
Plot Scale :
Project Number : 1659

G-6

TIMBERTEX[®]

Premium Ridge Cap Shingles

Your Best Choice...
 • Minimum 12" warranty on GAF Lifetime (2015)
 • 195% thicker for a superior look!

Homeowner's Best Choice

• **Peace Of Mind...** Match the lifetime Ltd. warranty and wind-speed coverage of your GAF lifetime roof (unlike typical cut-up strip shingles).
 • **Perfect Finishing Touch...** Triple-thick design with massive 5" exposure is 195% thicker than strip shingles, for a distinctive, upscale look.

• **The Right Colors...** Designed to complement the color of your roof's shingles.
 • **Stays In Place...** Dura Grip[®] self-seal adhesive seals each piece tightly and reduces the risk of shingle blow-off.

• **StainGuard[®] Ltd. Warranty...** Helps assure the beauty of your ridge cap shingles against unsightly blue-green algae.

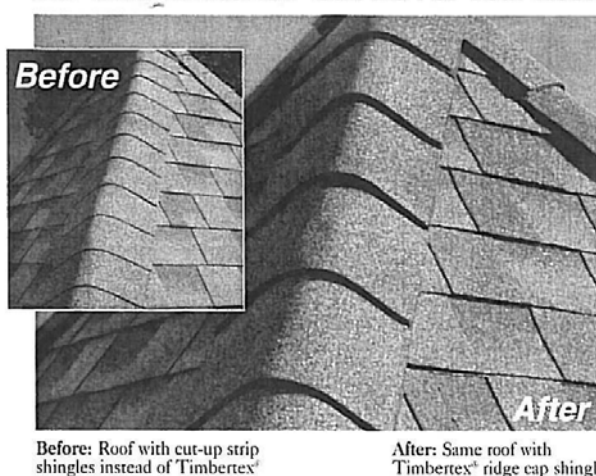
Professional's Best Choice

• **Versatile...** 12" wide design fits over most ridge vents.
 • **Easier To Install...** Pre-scored design with large, 8" exposure saves labor, and allows you to offer greater customer value.

• **Highest Quality...** Made with special, polymer-modified asphalt, so layers are sturdy and strong, yet bend easily to hug the ridge line.

• ***See full warranty for complete coverage and restrictions. The word "lifetime" means for as long as the original owner or second owner, if the warranty was properly transferred during the Smart Choice[®] protection period; when the property where the ridge cap shingles were installed.**

See What TimberTex[®] Can Do For Your Roof!



Nominal Product Specifications

- 8" exposure
- Approx. 12" wide
- Each bundle covers approximately 20 linear feet
- 5 bundles cover approximately 100 linear feet
- 150 pieces per 100 linear feet of coverage
- UL 790 Class A fire rated
- Meets ASTM D3161 Class F; ASTM D3018; and ASTM D3462*
- CSA 123.5 98
- Florida Building Code approved

*Periodically tested by independent and internal labs to ensure compliance with ASTM D3161 at time of manufacture. Test results observed after site may vary depending on storage and end use conditions.



"So easy to install"

WEATHERWATCH[®]

Mineral Surfaced Leak Barrier

Homeowner's Best Choice

• **Looks Better...** Fiberglass reinforcement helps resist wrinkling and buckling-lays flatter under shingles.

• **Meets Building Codes...** In the North, where leak barrier MUST be used.*

• **Peace Of Mind...** Benefits from the same warranty term as the asphalt shingle it is applied under, up to a maximum of 30 yrs.**

Professional's Best Choice

• **Helps Eliminate Waste...** Special adhesive allows for one-time repositioning, but aggressively adheres over time.

• **Dependable...** Self-seals around nails or metal roofing fasteners.

• **Saves Labor...** Dual side selvage and split back release film speed installation for greater home value.

• **Convenient...** 1.5 and 2.0 square roll sizes.

• **Great For Emergencies...** Can be left exposed for up to 60 days if necessary. Weather Watch[®] leak barriers are excellent vapor retarder exceeding ASTM D1970 requirements with a .05* vapor permeance.

*Based on internal testing

GAF Weather Watch[®] EXCEEDS the following requirements of ASTM D1970

Property	Method	Requirement
Thickness (mils)	D5147	Min. 40
Tensile strength MD (lb/in)	D2523	Min. 25
Tensile strength CMD (lb/in)	D2523	Min. 25
Elongation at break, modified bitumen	D2523	Min. 10
Adhesion to plywood at 75°F (lb/in-width)	D963	Min. 12
Adhesion to plywood at 40°F (lb/in-width)	D963	Min. 2
Thermal stability (mm)	D1204	Max. 3
Low temperature flexibility	D1970	Pass
Tear resistance MD (lb/ft)	D4073	Min. 20
Tear resistance CMD (lb/ft)	D4073	Min. 20
Moisture vapor permeance (U.S. Form)	E96 A	Max 0.1
Waterproof integrity after low temperature flexibility	D1970	Pass
Waterproof integrity of lap seam	D1970	Pass

Applicable Standards	Nom. Product Specifications
• ICC-ES Evaluation Report (ESR-132)	U.S. Source Roll
• Meets the performance criteria of ASTM D1970	Roll width 30 ft (9.14 m)
• Texas Department of Insurance	Roll length 150 ft (45.72 m)
• Miami-Dade County Approval	Roll weight 20 lbs (9.07 kg)
• State of Florida Approval	Roll width 30 ft (9.14 m)
• UL Classified. See complete marking on product.	Roll length 150 linear ft

WEATHERBLOCKER[™]

Premium Eave/Rake Starter Strip

Homeowner's Best Choice

• **Looks Better...** Straighter roof edges and no messy black cement dripping onto your new white edge metal.

• **Best Performance...** Factory-applied Dura Grip[®] adhesive helps to lock down the roof edges at the eaves and rakes.

• **Peace Of Mind...** GAF tests show that using starter strips at the eaves and rakes helps to prevent blow-offs and potential leaks.

• **Superior Warranties...** GAF offers increased wind coverage on many shingles when you use starter strips.

Professional's Best Choice

• **Saves You Time & Labor...** No more wasted time (or material) cutting your own starter strips—allows you to offer greater homeowner value.

• **Easier For Installers...** 42% more coverage per bundle (versus using strip shingles) means less to carry and handle on the roof.

• **Safer...** Perforated design eliminates cutting, environmentally friendly. Reduces landfill waste by eliminating shingle scraps.

*See full warranty for complete details.

Use entire strip when a starter of 17" will meet your needs

When a starter of 8.5" will meet your needs, tear in half along perforation

Product Specifications (Nom.)

Product Size (full sheet) 17" x 40"
 (half sheet) 8.5" x 40"
Bundle Count 15 pieces (full sheet)
 30 pieces (half sheet)
Coverage Per Bundle 100 linear ft
	(when used as half sheet)

GAF Smart Choice[®] WEATHER STOPPER SYSTEM

www.gaf.com

Distinctive Ridge Cap Shingles, Advanced Protection Shingles, Accessory Paint, Leak Barrier, Effective Attic Ventilation, Roof Deck Protection, Pre-Cut Starter Strip Shingles, Reliable Low-Slope Systems.

GAF Smart Choice[®] WEATHER STOPPER SYSTEM

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Distinctive Ridge Cap Shingles, Advanced Protection Shingles, Accessory Paint, Leak Barrier, Effective Attic Ventilation, Roof Deck Protection, Pre-Cut Starter Strip Shingles, Reliable Low-Slope Systems.

GAF Smart Choice[®] WEATHER STOPPER SYSTEM

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Distinctive Ridge Cap Shingles, Advanced Protection Shingles, Accessory Paint, Leak Barrier, Effective Attic Ventilation, Roof Deck Protection, Pre-Cut Starter Strip Shingles, Reliable Low-Slope Systems.

GAF LIBERTY[™]

SBS SELF-ADHERING CAP SHEET

Description

Liberty[™] SBS Self-Adhering Cap Sheet is a durable, modified bitumen membrane designed and manufactured to meet industry and code requirements. The product is designed for use as a waterproofing membrane and is reinforced with a polyester mat, which is coated with a polymer-modified asphalt. Liberty[™] SBS Self-Adhering Cap Sheet is a granule-surfaced roofing membrane designed to be used with Liberty[™] SBS Self-Adhering Base/Ply or Liberty[™] MA Mechanically Attached Base Sheet to provide long-lasting protection for the low-slope areas of your property. System guarantees are available for up to 20 years. Liberty[™] Systems are applied with out torches, open flames, hot asphalt, or messy solvent-based adhesives and are suitable for primed plywood decks and many other substrates. Technical and Sales information can be obtained through the GAFMC Contractor Services Hotline, (800) 766-3411.

This product meets or exceeds the following ASTM D6164, Type I, minimum requirements:

Property	Test Method	Value
Tensile Strength @ 0°F (min), lb/in	ASTM D5147	70
Elongation @ 0°F (nom.), %	ASTM D5147	20
Low Temperature Flexibility (max.), °F	ASTM D5147	0
Tear Strength (min), lbf	ASTM D5147	55
Dimensional Stability, (max) %	ASTM D5147	1

Data reported based on available independent and in-house resources. GAFMC reserves the right to change or modify, at its discretion, and without prior notice, any of the information, requirements, specifications or policies contained in this document.

Application

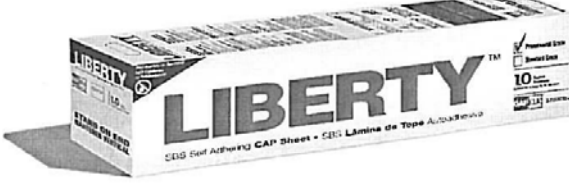
Liberty[™] SBS Self-Adhering Cap Sheet is applied to approved substrates using its unique self-adhering formulation.

Applicable Standards

- Meets ASTM D6164, Type I
- IRC Approved
- Meets ICCES-37-SP-60M
- ICC Noting
- Miami-Dade County Product Control Approval
- State of Florida Product Approval
- Texas Department of Insurance
- UL/ULC Listed

Products Specifications (nominal)

Roll Size	1 square (111.6 gross sq. ft.) (10.4m ²)
Roll Length	34.7 (10.4m)
Roll Width	39.375" (1.0m)
Approx. Roll Weight	98.4 lbs (43.7kg)
Product Thickness	0.157" (4mm)



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www.gaf.com • 1-800-ROOF-411

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

1361 Alps Road
 Wayne, NJ 07470

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GAF Liberty[™] SBS Self-Adhering Modified Bitumen Roofing Systems Over Wood Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL: This NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION: This NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacturer of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA No. 12-0202.04 and consists of pages 1 through 15. The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 12-1228.11
 Expiration Date: 02/22/14
 Approval Date: 06/13/13
 Page 1 of 15

Cobra SNOWCOUNTRY[™] SNOWCOUNTRY[™] RIGIDVENT2[™] RIGIDVENT3[™]

APPLICATION INSTRUCTIONS

Roof Deck: Use only over a well-seasoned, supported wood deck, lightly constructed with maximum 6" wide lumber, having adequate nail-holding capacity. Plywood decking as recommended by The Engineered Wood Association is acceptable.

Slope Restrictions: Use only on slopes between 3/12 and 16/12.

STEP 1 Calculations for a Balanced Ventilation System

To achieve a "balanced system" with Cobra[®] 4" rigid vents, there must be an air intake system (i.e. soffits or under-eave vents). For proper ventilation, the amount of under-eave ventilation must equal the amount of ventilation at the ridge.

NOTE: Consult local building codes for other ventilation requirements.

NOTE: In no case should the amount of exhaust ventilation exceed the amount of intake ventilation.

To determine the minimum square feet of net free ventilating area (NFVA) needed for a balanced ventilation system, use the following formula:

$$\text{Sq. ft. of attic floor space} = \text{Min. Sq. ft. of NFVA needed}$$

Cobra[®] 4" rigid vents have 18.0 square inches of NFVA per linear foot. To determine how many feet of Cobra[®] 4" rigid vent is needed, use the following formula:

$$1/2 \times (\text{Min. Sq. ft. of NFVA needed}) \times 144 / 18.0 = \text{Min. linear feet of ridge vent needed}$$

To determine the amount of under-eave vent required, use the following formula:

$$X = \text{NFVA (Sq. in. per. lin. ft.) of the under-eave vent or intake vent system selected}$$

$$1/2 \times X = \text{Min. Sq. ft. of NFVA needed} \times 144 \times X = \text{Min. linear feet of under-eave vent needed}$$

STEP 2 Instruction For Slots

After calculating the total length of Cobra[®] 4" rigid vent needed, determine the necessary slot opening required.

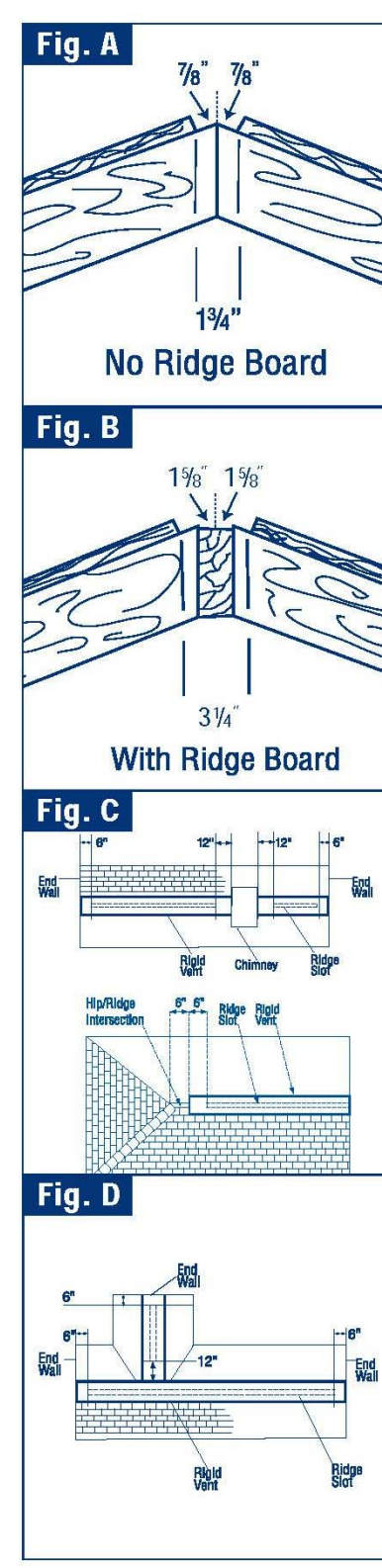
Note: If installing on an existing roof, remove the cap shingles from the ridge.

Roofs without a ridge board: cut a 1/4" opening along the ridge on each side (Figure B).

Roofs with a ridge board: cut a 1/4" opening along the ridge on each side (Figure B).

Note: Maximum slot opening is 3/4" wide.

Mark off and cut the slot opening, making sure that the ends of the opening stop at least 6" from any walls and at least 12" from hip and ridge intersections or chimneys (Figure C). Where short ridges (dormers, ridge intersections) are used, mark and cut the slot and make sure that the end of the opening stops at least 12" from the ridge intersection (Figure D).



STEP 3 Ridge Vent Installation

Place, center and conform the Cobra[®] 4" rigid vent over the slot with the vent resting firmly against the roof surface. For Cobra[®] Snow Country Advanced[™] and Cobra[®] Rigid Vent 2[™] only use the Z-Notch[™] system. Grasp attached nails by the head and peel back. Rotate nail to vertical position for easy removal (Figure E). For Cobra[®] Snow Country[™] and Cobra[®] Rigid Vent 2[™], use nails at least 1 1/2" longer. Attach the vent section using the previously mentioned nails through the pre-molded nailing holes (Figure F). Nails must always penetrate through plywood decks or at least 1/2" into wood planks.

NOTE: 3" ring shank nails are recommended for increased uplift resistance. Apply the subsequent Cobra[®] 4" rigid vent sections over the length of the ridge using the overlapping tabs (Figure G).

For installations in cold weather, leave 1/4" gap between overlap and underlap of each vent section to allow for expansion.

At the end, it may be possible to use the EasySeal[™] custom length system to create a specific length part to fit.

1. With the underlap end of the part near the final end position desired, select the support rib nearest your desired length (Figure H).
2. Grasp the baffle with both hands close to the baffle cut notch and snap the baffle at this location (Figure I).
3. Flip the vent section over, then tear the bottom of the baffle apart (Figure J). Repeat steps 2 & 3 on the opposite baffle.
4. After the baffles have been torn, fold the vent back flat along the tear seam until it stops. After folding back flat, the filler on Snow Country[™] and Snow Country Advanced[™] can be cut with a utility knife (Figure K).
5. Tear the two parts to get your desired custom length part.

Place the newly cut overlap edge over the end of the last full vent installed and nail in place as shown above. If final vent section can not be completed using the EasySeal[™] system, cut the section to desired length. Butt the cut end to the last section installed and caulk the joint. Be sure the finished end is installed to the outside to prevent weather infiltration.

Please Note The Following:

1. Do not install on hips.
2. For a uniform appearance, install Cobra[®] 4" rigid vent over the entire length of the ridge, making sure that the vent extends past the slot opening by at least 6".
3. For applications with hip and ridge intersections, to prevent potential weather or insect infiltration, terminate the Cobra[®] ridge vent at least 6" short of the intersection.
4. For applications over laminated shingles, apply a bead of silicone caulking or roof cement to the underside of the outer baffle along the entire ridge and at exposed edges so that the gaps are completely filled. Do not use excess roof cement as it may cause blistering of the shingles (Figure M).
5. When venting vaulted and cathedral ceilings, each joist/rafter cavity must be vented at both ends and have at least 1 1/2" clearance.

STEP 4 Cap Shingle Installation

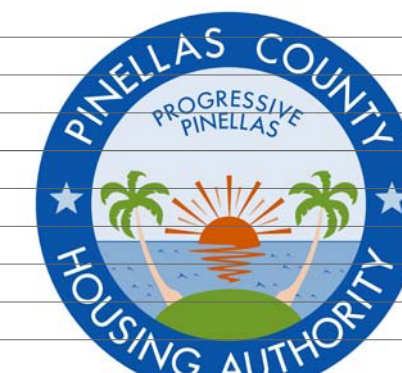
Install the cap shingles directly to the vent, using included 3" ring shank nails provided only with Cobra[®] Snow Country Advanced[™] and Cobra[®] Rigid Vent 2[™]. For Cobra[®] Snow Country[™] and Cobra[®] Rigid Vent 2[™], nails must be of sufficient length to penetrate through plywood decks or at least 1 1/2" into wood planks. A nail line is inscribed on the top of the vent to serve as a guide (Figure N).

NOTE: 3" ring shank nails are recommended for increased uplift resistance.

"Your Best And Safest Choice... Quality You Can Trust Since 1886!"

GAF-ELK

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RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
 LARGO, FL 33778

MANUFACTURER NOTE

- CONTRACTOR TO FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS, ANY DEVIATION FROM THE PLANS OR SPECS SHALL BE BROUGHT TO THE ARCHITECT AND THE OWNER FOR REVIEW
- CONTRACTOR RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION
- ANY DISCREPANCY BETWEEN MANUFACTURER INSTALLATION INSTRUCTIONS AND DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD FOR CLARIFICATION.



Applicable Standards:

- FM Approved
- UL Classified
- Miami-Dade Approved
- FBC Approved
- Texas Department of Insurance*

*Texas Department of Insurance does not apply to Liberty[™] MA Base Sheet

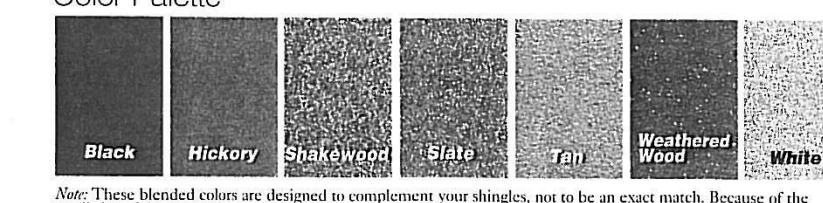
Product Specifications (Nom.)

Liberty [™] MA Base Sheet	Roll length 66 ft (20.1 m)
	Roll width 39.375 in (1.0 m)
	Roll thickness 0.068 in (1.73 mm)
	Roll weight 82 lbs (37.2 kg)
	Roll size 2 squares, 216 sq ft (20.1 m ²)

Liberty [™] Base/Ply Sheet	Roll length 66 ft (20.1 m)
	Roll width 39.375 in (1.0 m)
	Roll thickness 0.068 in (1.73 mm)
	Roll weight 82 lbs (37.2 kg)
	Roll size 2 squares, 216 sq ft (20.1 m ²)

Liberty [™] Cap Sheet	Roll length 34.0 ft (10.4 m)
	Roll width 39.375 in (1.0 m)
	Roll thickness 0.157 in (4.0 mm)
	Roll weight (Cap Sheet) 96.4 lbs (43.7 kg)
	Roll size 1 square, 112 sq ft (10.4 m ²)

Color Palette



*Note: These blended colors are designed to complement your shingles, not to be an exact match. Because of the way the cap sheet is made, the color may vary slightly from the color selection.

*See Liberty[™] Limited Warranty On SBS Materials for complete coverage and restrictions.

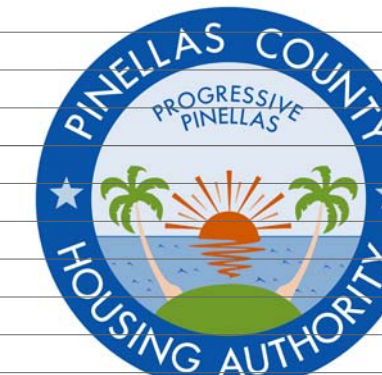


www.gaf.com

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John J. McKenna Architect P.A.

600 N. WILLOW ST. SUITE 300
 TAMPA, FLORIDA 33606
 PHONE: 813.25



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

SITE LEGEND

- INDICATES AREA OF NEW WORK
- INDICATES EXISTING STRUCTURE TO REMAIN
- INDICATES ROOF SLOPE
- INDICATES DIRECTION OF POSITIVE DRAINAGE SLOPE
- INDICATES IRRIGATION SPRINKLER HEAD AND PROJECTION - BY GC

SITE DEMO NOTES

1. PROVIDE EROSION CONTROL TO COMPLY WITH PINELLAS COUNTY REQUIREMENTS

LEGAL DESCRIPTION

1. LOT 28, BLOCK 8, RIDGECREST ACRES SUBDIVISION UNIT TWO, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 57, PAGE 15, PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA
2. SECTION 4, TOWNSHIP 30 S., RANGE 15 E. PINELLAS COUNTY, FLORIDA

SURVEY INFORMATION

SITE DATA BASED UPON SURVEY PROVIDED BY:
DEUEL & ASSOCIATES CONSULTING ENGINEERS, LAND SURVEYORS, LAND PLANNERS
565 SOUTH HERCULES AVENUE
CLEARWATER FL 33764
PH: 727.822.4151

CONTROL JOINTS NOTE

BUILDING SLABS SHALL HAVE CONTROL JOINTS IN ACCORDANCE W/ ACI224-3R

FINISH FLOOR ELEVATION

FINISH FLOOR ELEVATION OF ADDITION TO MATCH EXISTING

DEMO NOTES "O"

1. REMOVE ALL ROOFING, PREPARE FOR NEW SHINGLE ROOF-REFER TO ROOF PLAN
2. PROVIDE TREE BARRIERS PER AHJ
3. REMOVE ALL EXISTING FENCES AND DISPOSE PER AHJ STANDARDS. AWARDED CONTRACTOR RESPONSIBLE FOR COMMISSIONING DISPOSAL
4. PATCH DRIVEWAY AND SIDEWALK CRACKS. LEVEL OUT ANY TRIP HAZARDS. PERFORMANCE SPEC.
5. PREPARE DRIVEWAY FOR PATCHING
6. PREPARE ROOF TO RECEIVE NEW CONVENTIONAL ROOF

PROPOSED NOTES "O"

REFER TO G-2 SPECIFICATIONS FOR ADDITIONAL INFORMATION

1. PROPOSED NEW ROOF - REFER TO ROOF PLAN FOR SCOPE
2. PROTECT ALL EXISTING TREES DURING CONSTRUCTION
3. PROVIDE NEW SIX FOOT WHITE VINYL FENCE
4. PATCH DRIVEWAY AND SIDEWALK CRACKS. LEVEL OUT ANY TRIP HAZARDS. PERFORMANCE SPEC.
 - A. GUIDE TO ADA STANDARDS - CHAPTER 3 FLOOR AND GROUND SERVICES
 - a. SURFACE OPENING MAX:1/2"
 - b. CHANGES IN LEVEL CAN BE UP TO 1/4" WITHOUT TREATMENT OR 1/2" IF BEVELED WITH A SLOPE NO STEEPER THAN 1:2. CHANGES IN LEVEL ABOVE A 1/2" MUST BE TREATED AS A RAMP OR CURB RAMP (OR A WALKWAY IF A SLOPE NO STEEPER THAN 1:20 CAN BE ACHIEVED)
 - B. UFAS (UNIFORM FEDERAL ACCESSIBILITY STANDARDS) CHAPTER 4.1. MINIMUM REQUIREMENTS: 4.1.3.4.1.6;4.3.4.5
5. PROPOSED ADDITION - SEE FLOOR PLANS
6. NATIVE LANDSCAPE

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Sheet Name : REFERENCE SITE PLAN

Phase : PERMIT SET

Revision :

Date : 3.3.2017

Drawn by : DC

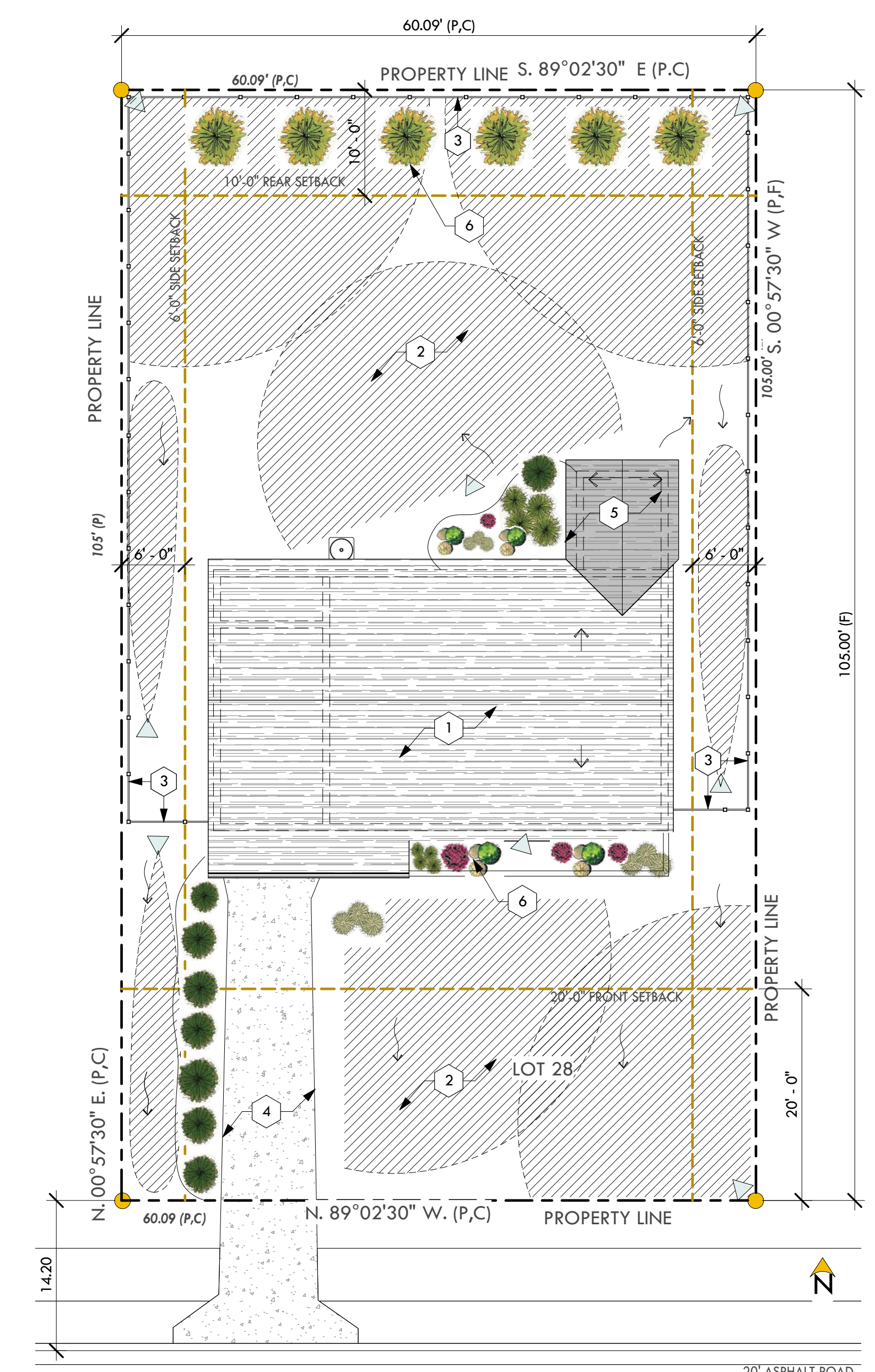
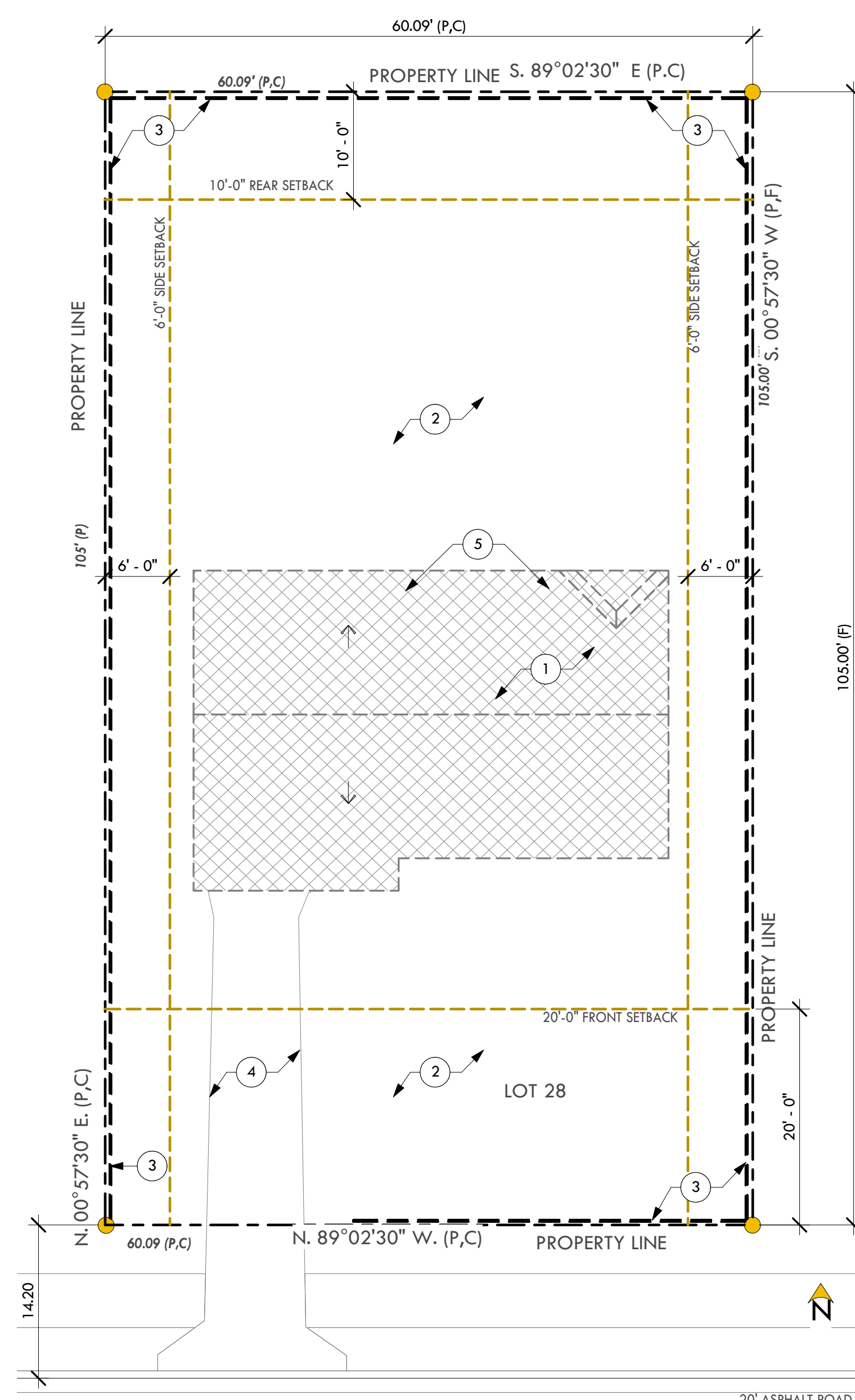
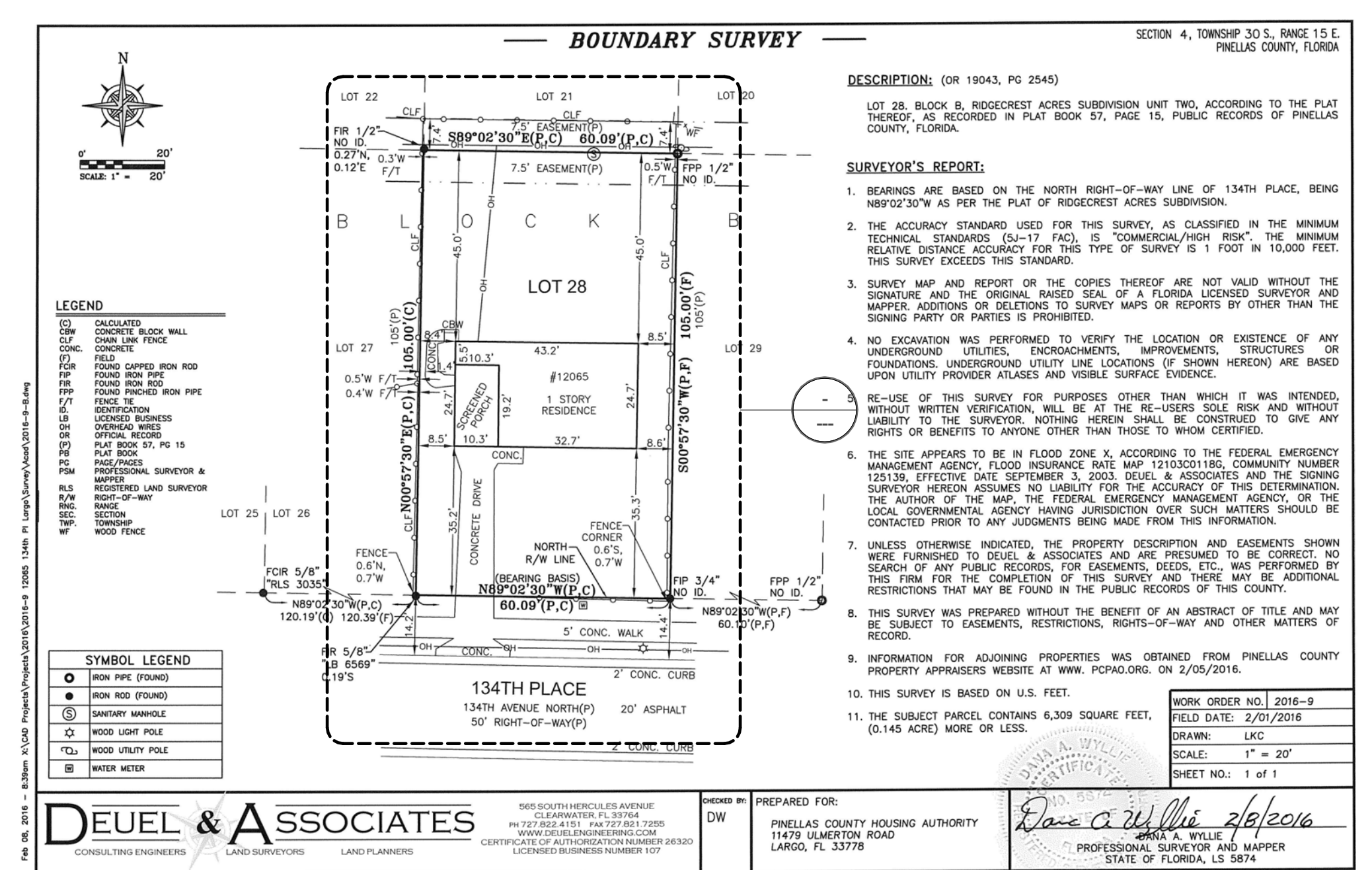
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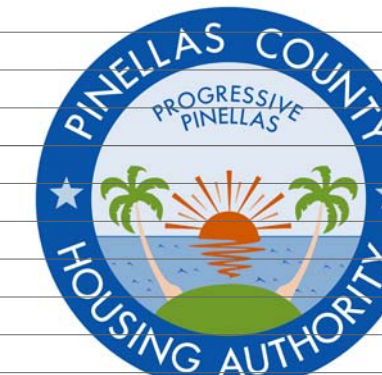
Plot Scale :

Project Number : 1659

A-1.0

- MILKWEED (ASSORTED), 1 GAL., 10 QTY. 18" O.C.
- FIREBUSH, 3 GAL, 12 QTY. 24" O.C.
- MUHLY GRASS, 3 GAL, 15 QTY. 24" O.C.
- WAX MYRTLE, 3 GAL, 8 QTY. 4'-8" O.C.
- DWARF YAUPON HOLLY, 6 QTY. 3 GAL, 24" O.C.
- AMERICAN HOLLY, 10 GAL, 5' HT., 6 QTY. 11'-6" O.C.
- COONTIE, 3 GAL, 6 QTY. 24" O.C.





RESIDENCE RENOVATION

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DEMOLITION NOTE

IMPORTANT NOTICE REGARDING REMOVAL OF EXISTING BEARING WALLS:
 DUE TO THE AGE OF THE ROOF RAFTERS AND RESIDUAL DEFLECTIONS, THE GENERAL CONTRACTOR IS REQUIRED TO CONDUCT AN EXPLORATORY DEMOLITION OF THE CEILING AROUND THE PORTION OF INTERIOR WALL TO BE DEMOLISHED. PLEASE NOTE THAT ANY WALLS THAT ARE TO BE DEMOLISHED, WOULD NEED TO BE CAREFULLY WATCHED DURING THE REMOVAL OF THOSE WALLS FOR UNFORSEEN DEFLECTIONS. IT IS RECOMMENDED THAT THE TRUSSES BE TEMPORARILY SUPPORTED BY ADJUSTABLE SHORING WHILE REMOVING THE WALLS. AFTER THEY HAVE BEEN REMOVED, THE ADJUSTABLE SHORING SHOULD BE SLOWLY LOWERED AND THE DEFLECTION OBSERVED ON THE FLOOR JOISTS. DEFLECTIONS SHOULD NOT BE MORE THAN 1/4-INCH AT ANY POINT ON THE FLOOR JOIST. IF DEFLECTIONS ARE LARGER THAN 1/4-INCH, NOTIFY THE EOR OR ARCHITECT FOR THE REQUIRED REPAIR.

DEMO LEGEND

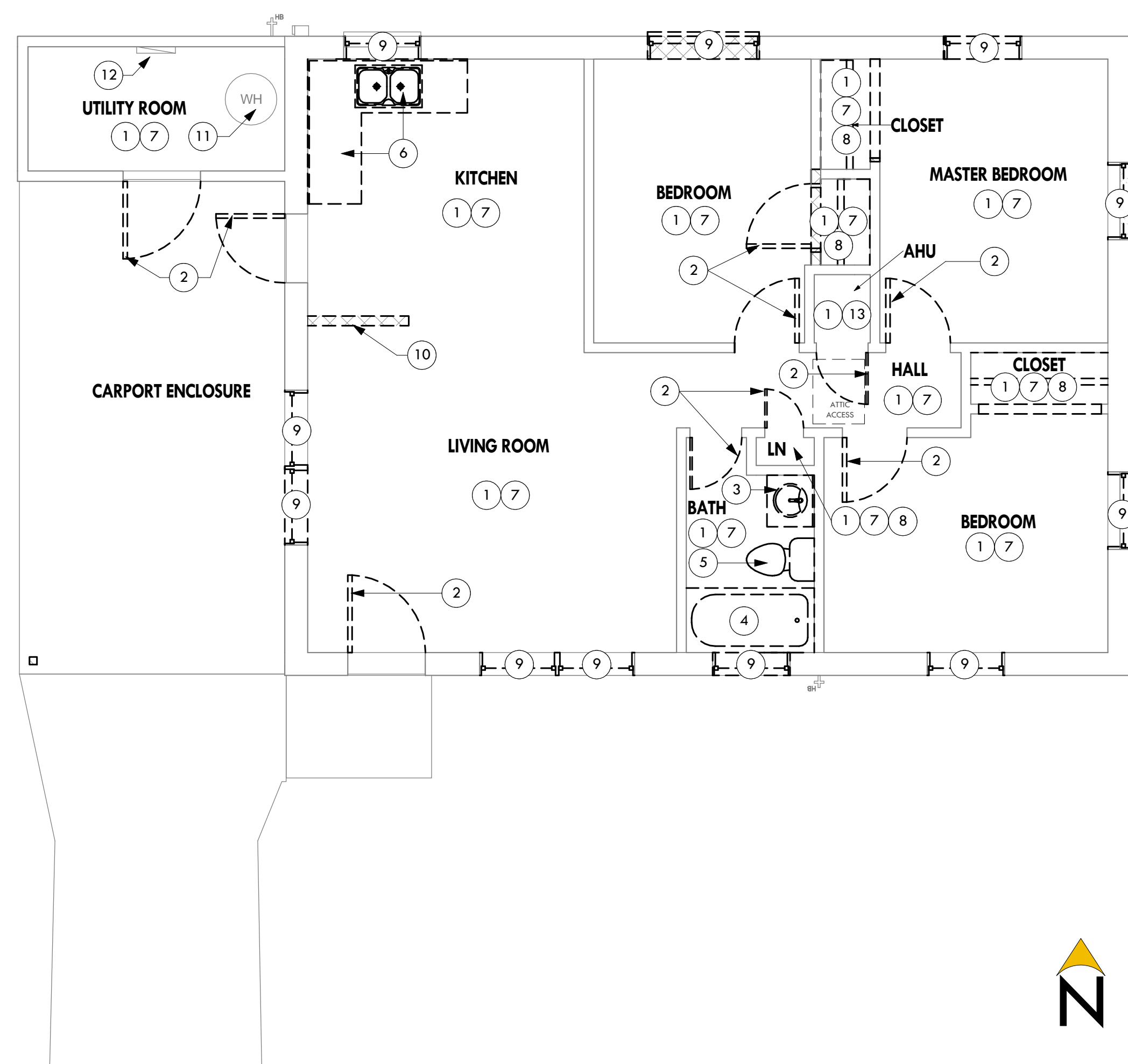
- ITEMS TO BE DEMOLISHED
- ITEMS NOT IN SCOPE

DEMOLITION NOTES "O"

- REMOVE ALL DRYWALL IN WALLS AND CEILING, TRIM, BASE AND FINISHES TO THE WOOD STUD - PROTECT FLOORS DURING DEMOLITION
- REMOVE DOOR, DOOR FRAME AND HARDWARE
- REMOVE ALL BASE AND UPPER CABINETS, COUNTERTOP AND DRYWALL BEHIND
- REMOVE EXISTING TUB - DISPOSE SAFELY - CAP PLUMBING FIXTURES
- REMOVE EXISTING TOILET - INSPECT EXISTING SEWER LINE AND PREPARE FOR NEW TOILET - NOTIFY ARCHITECT OF CONDITIONS OF CURRENT PLUMBING PRESSURE AND SEWER CLOG ISSUES
- REMOVE SINK, BASE AND UPPER CABINETS AND DRYWALL BEHIND CASEWORK
- REMOVE ALL WIRING, LIGHTING FIXTURES, SWITCHES AND OUTLETS - DISPOSE SAFELY
- REMOVE ALL EXISTING SHELVING, DISPOSE SAFELY
- REMOVE EXISTING WINDOWS, SILLS AND PREPARE FOR NEW WINDOWS
- REMOVE PORTION OF EXISTING WALL
- EXISTING WATER HEATER TO REMAIN
- REPLACE EXISTING ELECTRIC PANEL - EXISTING SERVICE TO REMAIN
- EXISTING A.H.U. TO REMAIN

TERMITE TREATMENT

- ONCE DEMOLITION IS COMPLETE, CONTRACTOR MUST CONDUCT TERMITE FUMIGATION FOR THE ENTIRE STRUCTURE, TO INCLUDE TREATMENT OF SUBTERRANEAN TERMITES.
- NO NEW WORK SHALL BE CONDUCTED PRIOR TO FUMIGATION
- CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH LOCAL CODES AND REGULATIONS
- CONTRACTOR TO PROVIDE FULL WARRANTY OF TERMITE TREATMENT



DEMOLITION FLOOR PLAN

1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

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Sheet Name : DEMOLITION PLAN

Phase : PERMIT SET

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Date : 3.3.2017

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GENERAL NOTES

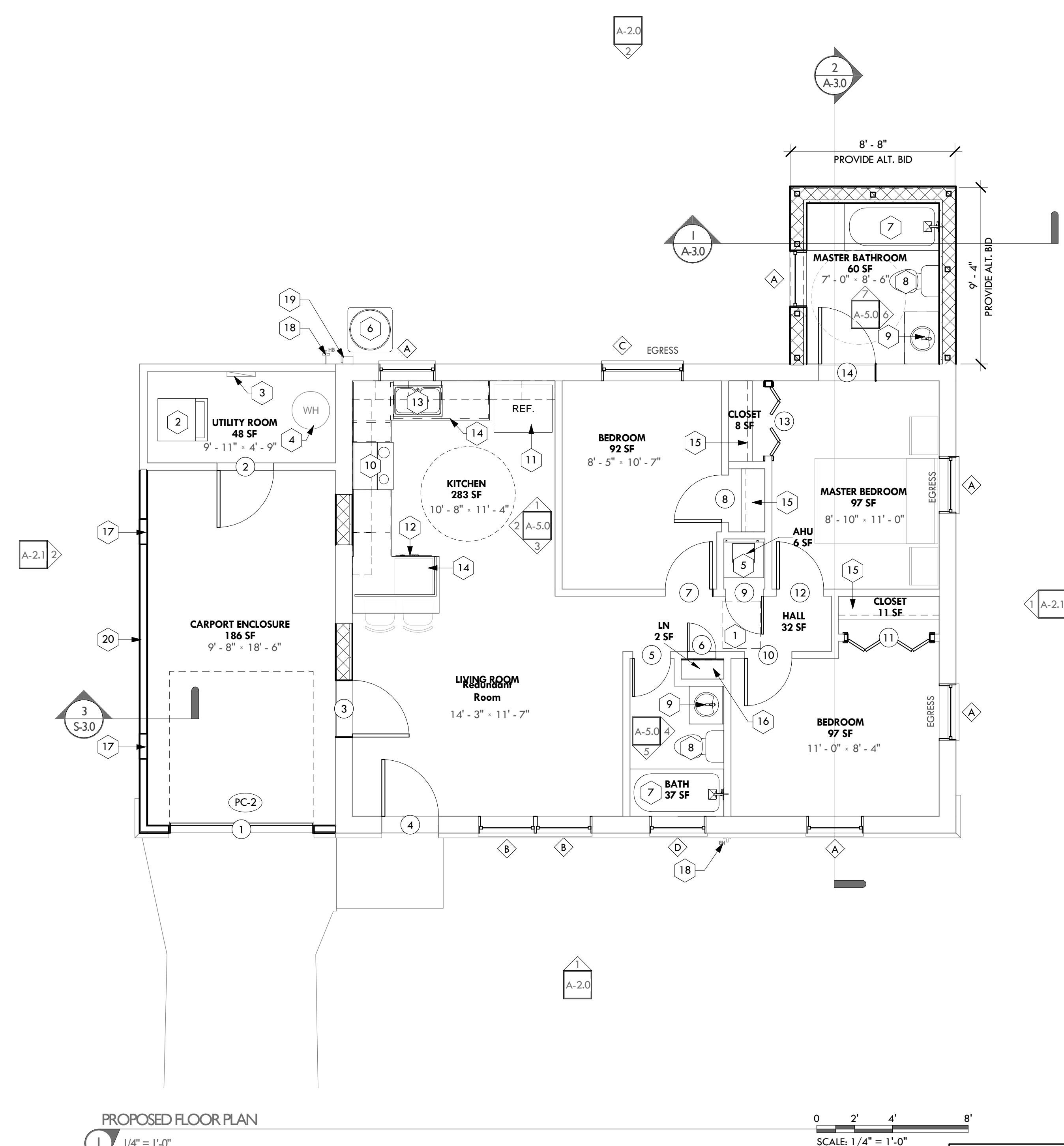
- ALL WINDOWS TO HAVE FLUSH SILLS. PITCH TOP SILL FIN AWAY FROM WINDOW FRAME.
- VERIFY ALL WINDOW AND DOOR ROUGH OPENING SIZES WITH THE MANUFACTURER'S SPECIFICATIONS.
- INSTALL SQUARE DRYWALL BEADS AT HORIZ & VERT CORNERS, EXCEPT AT EXT WALL OPENINGS OR AS NOTED.
- ALL WINDOWS TO BE IMPACT RESISTANT - **NO SUBSTITUTIONS ALLOWED**
- LOCATE ALL PLUMBING & EXHAUST STACKS BEYOND THE FRONT ELEV ROOF RIDGES, IF ALLOWABLE PER CODE.
- THE GARAGE IS TO BE SEPARATED FROM ADJACENT LIVING AREA AND ATTIC SPACE BY NOT LESS THAN 5/8" THK. TYPE "X" GYPSUM BOARD (OR EQUIVALENT) APPLIED TO THE GARAGE SIDE.
- REFERENCE STRUCTURAL SHEETS FOR SLAB DIMENSIONS, COLUMN AND BEARING WALL LOCATIONS
- REFERENCE ELECTRICAL DRAWINGS
- DIMENSIONS TO EXTERIOR OF BLOCK WALLS AND CENTER OF SUD WALLS
- ALL DOOR KNOBS TO BE LEVER TYPE
- ALL MILLWORK TO BE PLYWOOD - NO SUBSTITUTIONS ALLOWED
- ALL APPLIANCES TO BE BLACK
- UNLESS OTHERWISE NOTED PRODUCTS ARE SPECIFIED AS A BASIS OF DESIGN, ALL SUBSTITUTIONS MUST BE SUBMITTED FOR ARCHITECT'S/OWNER'S REVIEW WITH **APPROVED** EQUAL ALTERNATES.

ENERGY STAR COMPLIANCE

THIS PROJECT IS DESIGNED TO ACHIEVE AN ENERGY STAR SCORE OF 75 OR GREATER. THE CONTRACTOR SHALL ADHERE TO PRODUCTS, METHODS, AND QUALITY LEVELS SPECIFIED IN THE CONSTRUCTION DOCUMENTS. ANY PROPOSED SUBSTITUTIONS MUST BE SUBMITTED ACCORDING TO THE PROCEDURES DEFINED HEREIN. SUBSTITUTIONS THAT MAY ALTER THE ENERGY PERFORMANCE GOALS OF THE PROJECT WILL NOT BE APPROVED. NO SUBSTITUTIONS ARE PERMITTED WITHOUT APPROVAL OF THE DESIGN TEAM.

PROPOSED NOTES "O"

- NOTE: REFER TO THE SPECIFICATIONS FOR ADDITIONAL APPLIANCE AND FIXTURE INFORMATION
- EXISTING ATTIC ACCESS - SEE ELECTRICAL FOR LIGHTING
 - STACKED WASHER/DRYER
 - NEW PANEL BOX AND BREAKERS TO REPLACE EXISTING
 - EXISTING WATER HEATER TO REMAIN
 - NEW A.H.U.
 - PROVIDE NEW COMPRESSOR ON EXTERIOR CONCRETE PAR - CONTRACTOR TO MATCH SYSTEM AND COORDINATE WITH MECHANICAL CALCULATIONS-CONTRACTOR TO PROVIDE MECH. CALCULATIONS
 - STANDARD 30"x60" PORCELAIN-ENAMELED STEEL TUB - LEVER HANDLED SHOWER CONTROL - EPA "WATER SENSE" APPROVED
 - NEW TOILET
 - NEW SINK, VANITY CABINET AND COUNTERTOP
 - RANGE OVEN WITH VENT-THRU ROOF HOOD AND MICROWAVE
 - NEW ENERGY STAR REFRIGERATOR
 - NEW DISHWASHER
 - STAINLESS STEEL KITCHEN SINK & FAUCET
 - NEW KITCHEN CABINETS AND COUNTER - REFERENCE INTERIOR SHEETS FOR SPECIFICATIONS
 - CLOSET SHELF AND ROD
 - LINEN WIRE SHELVES
 - 18"x16" SMART VENT (BOTTOM TO BE 8" ABV FIN SLAB)
 - EXISTING HOSE BIB - INSPECT FOR PROPER FUNCTION - REPAIR AS NEEDED TO PERFORM AS INTENDED
 - EXISTING DISCONNECT, AND METER TO REMAIN
 - NEW FRAMED WALL FOR CARPORT ENCLOSURE



WALL LEGEND

- 8" MASONRY W/ 4" STONE
- 8" MASONRY W/ GYP. - FURRING AND R5 INSULATION
- 8" MASONRY W/ STUCCO
- 5" WD. STUD W/ GYP.
- 6" WD. STUD W/ GYP.

SYMBOL LEGEND

- WINDOW TAG
- DOOR TAG
- KEYNOTES

FIRST FLOOR WINDOW SCHEDULE

MARK	LEVEL	Count	WIDTH	HEIGHT	COMMENTS	Phase Created
A	FIRST FLOOR PLAN	5	3'-0"	3'-2"	CASING EGRESS WIND. ALL BUT KITCHEN & MASTER BATHROOM	New Construction
B	FIRST FLOOR PLAN	2	3'-0"	4'-2"	MATCH EXISTING STYLE	New Construction
C	FIRST FLOOR PLAN	2	4'-4"	3'-2"	CASING EGRESS WIND. AT BEDROOM -MATCH EXISTING STYLE ELSEWHERE	New Construction
D	FIRST FLOOR PLAN	1	3'-0"	2'-0"	MATCH EXISTING STYLE	New Construction

FIRST FLOOR DOOR SCHEDULE

MARK	LEVEL	WIDTH	HEIGHT	COMMENTS	Phase Created
1	GARAGE	7'-6"	7'-6"	GARAGE DR. SEE PA SHEETS	New Construction
2	FIRST FLOOR PLAN	3'-0"	6'-8"	6 PANEL SOLID WD. DR.	New Construction
3	FIRST FLOOR PLAN	3'-0"	6'-8"	45 MIN. FIRE RATED 6 PANEL SOLID WD. DR.	New Construction
4	FIRST FLOOR PLAN	3'-0"	6'-8"	ENTRY DR-IMPACT RESISTANT-SEE PA SHEETS	New Construction
5	FIRST FLOOR PLAN	2'-0"	6'-8"	6 PANEL SOLID WD. DR.	New Construction
6	FIRST FLOOR PLAN	1'-6"	6'-8"	CUSTOM SIZED - SOLID WD. DR.	New Construction
7	FIRST FLOOR PLAN	2'-6"	6'-8"	6 PANEL SOLID WD. DR.	New Construction
8	FIRST FLOOR PLAN	2'-6"	6'-8"	6 PANEL SOLID WD. DR.	New Construction
9	FIRST FLOOR PLAN	2'-0"	6'-8"	LOUVERED WD. DOOR FOR A/C RETURN	New Construction
10	FIRST FLOOR PLAN	2'-6"	6'-8"	6 PANEL SOLID WD. DR.	New Construction
11	FIRST FLOOR PLAN	4'-4"	6'-8"	BIFOLD WD. LOUVERD DR.	New Construction
12	FIRST FLOOR PLAN	2'-6"	6'-8"	6 PANEL SOLID WD. DR.	New Construction
13	FIRST FLOOR PLAN	3'-8"	6'-8"	BIFOLD WD. LOUVERD DR.	New Construction
14	FIRST FLOOR PLAN	3'-0"	6'-8"	6 PANEL SOLID WD. DR.	New Construction

ROOM SCHEDULE

ROOM NAME	AREA	FLOOR FINISH	BASE FINISH	CEILING FINISH
KITCHEN	283 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
CARPORT ENCLOSURE	186 SF	CONCRETE SLAB-PRESSURE WASH AND REPAIR AS NEEDED	WOOD	PAINTED GYP. BD.
UTILITY ROOM	48 SF	CONCRETE SLAB-PRESSURE WASH AND REPAIR AS NEEDED	WOOD	PAINTED GYP. BD.
LIVING ROOM	Redundant Room	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
BEDROOM	92 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
MASTER BEDROOM	97 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
CLOSET	8 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
HALL	32 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
CLOSET	11 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
BEDROOM	97 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
BATH	37 SF	GLAZED CERAMIC TILE-DALTILE GREEN WORKS_CREMONA CAFE	3X12 BN TILE BASE TO MATCH FLOOR	PAINTED GYP. BD.
LN	2 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
AHU	6 SF	EARTH WERKS PACIFIC PLANK APP 650	WOOD	PAINTED GYP. BD.
MASTER BATHROOM	60 SF	GLAZED CERAMIC TILE-DALTILE GREEN WORKS_CREMONA CAFE	3X12 BN TILE BASE TO MATCH FLOOR	PAINTED GYP. BD.

- FINISHES NOTES:**
- CONTRACTOR TO SUPPLY ONE EXTRA BOX OF FLOORING (WOOD AND TILE)
 - CONTRACTOR TO INSTALL TRANSITION STRIPS TO MATCH PLANK FLOORING
 - REFER TO G-2 FOR COLOR SPECIFICATIONS
 - ALL FINISHES SHALL BE COORDINATED AND APPROVED BY PCHA PRIOR TO ORDERING (SPECIFICATIONS ARE BASIS OF DESIGN)

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Phase : **PERMIT SET**

Revision : REV.1 OWNER CHANGES 2017.03.31

Date : 3.3.2017

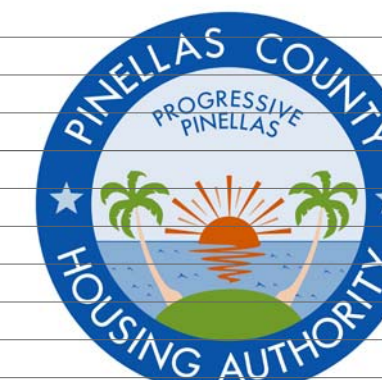
Drawn by : DC

Checked by : JJM

Plot Scale :

Project Number : 1659

A-1.2



RESIDENCE RENOVATION

Pinellas County Housing Authority

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SCOPE OF WORK

1. CONTRACTOR SHALL REMOVE AND REPLACE ALL ASPHALT ROOFING, LEAK BARRIER/DECK PROTECTION, METAL FLASHING AND FASCIA
2. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED PLYWOOD DECK SHEATHING AS REQUIRED.
 - A. ALLOWANCE WITH BID: 200 S.F. THICKNESS TO MATCH EXISTING
 - B. PROVIDE A LINE ITEM FEE FOR ADDITIONAL PLYWOOD PER SQUARE FOOT.
3. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED SOFFIT AS REQUIRED.
 - A. ALLOWANCE WITH BID: 50 SQUARE FEET. THICKNESS TO MATCH EXISTING
 - B. PROVIDE A LINE ITEM FEE FOR ADDITIONAL MATERIAL PER SQUARE FOOT
4. CONTRACTOR SHALL REMOVE EXISTING ATTIC INSULATION ALONG WITH ANY TRASH OR DEBRIS
5. CONTRACTOR SHALL FURNISH LABOR AND MATERIALS TO PROVIDE R-40 BLOWN CELLULOSE INSULATION IN THE ATTIC OF A 1,164 SQUARE FOOT HOME

ATTIC NOTES

- R-40 MIN BLOWN CELLULOSE INSULATION
- VERIFY ENERGY REBATES/INCENTIVES WITH LOCAL UTILITY (DUKE ENERGY)

ROOF WARRANTY NOTE

CONTRACTOR RESPONSIBLE FOR PROVIDING THE OWNER WARRANTY PER MANUFACTURER'S SPECIFICATION (20 YEAR MIN). REFER TO PA-4 FOR WARRANTY INFORMATION

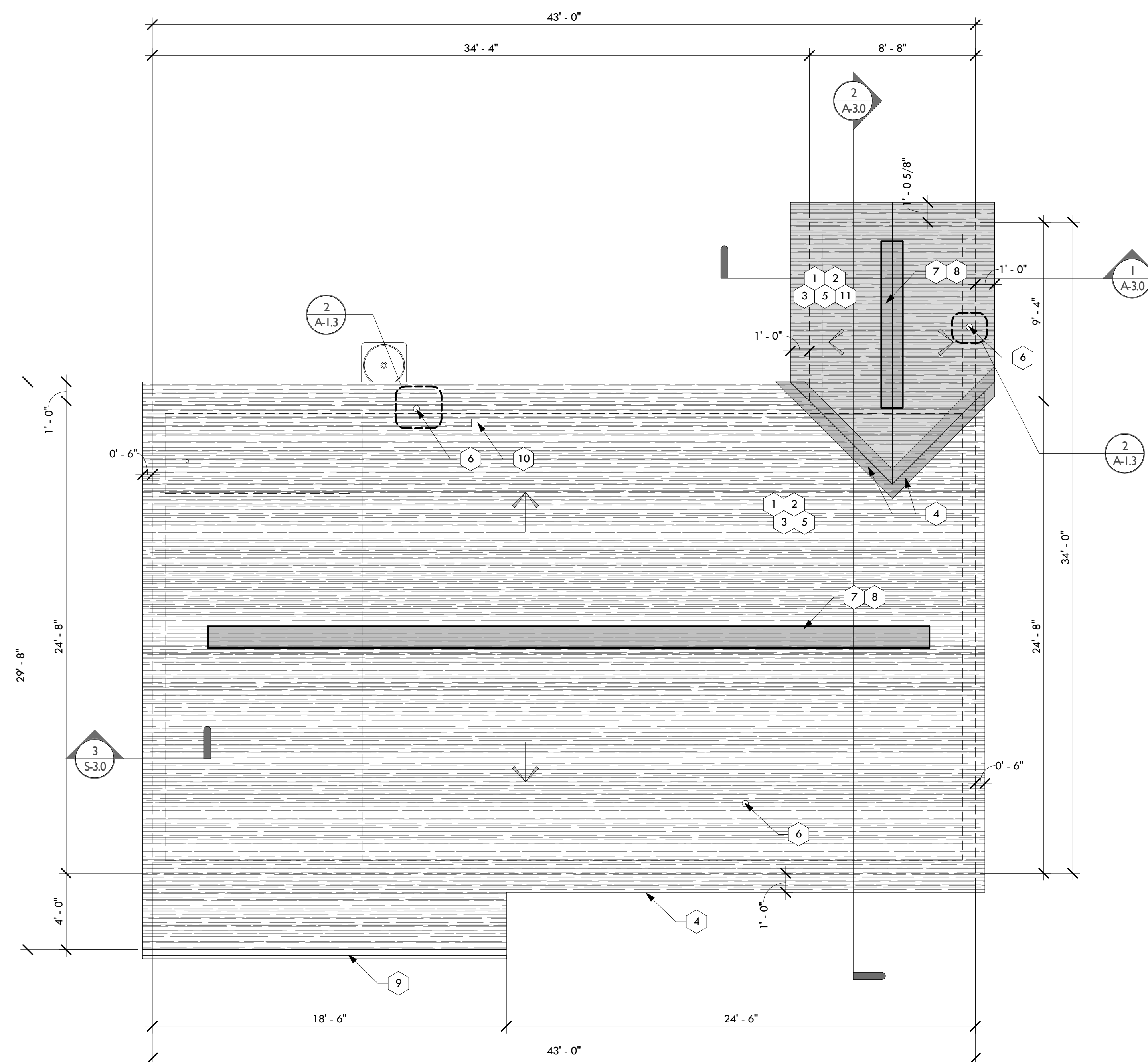
ROOF LEGEND

- INDICATES AREA OF NEW WORK
- INDICATES ROOF SLOPE

PROPOSED NOTES "O"

- NOTE:**
- ROOF INSTALLER TO PROVIDE 3 YEAR WATER TIGHT WARRANTY - REFER TO ROOF WARRANTY ON PAGE PA-4 FOR ADDITIONAL ROOF WARRANTIES
 - REFER TO SHEET G-2 SPECIFICATIONS FOR ADDITIONAL INFORMATION

1. PROVIDE SHEATHING REPAIR AS PER SCOPE DESCRIBED ABOVE
2. PROVIDE NEW SHINGLES
3. PROVIDE ROOF UNDERLAYMENT
4. PROVIDE NEW PRE-FINISHED (WHITE) METAL EDGE DRIP, 4" DEEP & 45 DEGREE 1/2" TURN MATCHING EXISTING PROFILE
5. PROVIDE R-40 INSULATION IN THE ATTIC - SEE ATTIC NOTES
6. PROVIDE NEW BOOT AT EACH PLUMBING VENT
7. PROVIDE RIDGE EXHAUST VENT
8. PROVIDE RIDGE CAP SHINGLES
9. PROVIDE GUTTERS, DOWNSPOUTS AND SPLASH ROCKS
10. OVEN EXHAUST
11. NEW CONVENTIONALLY FRAMED ROOF OVER NEW STRUCTURE

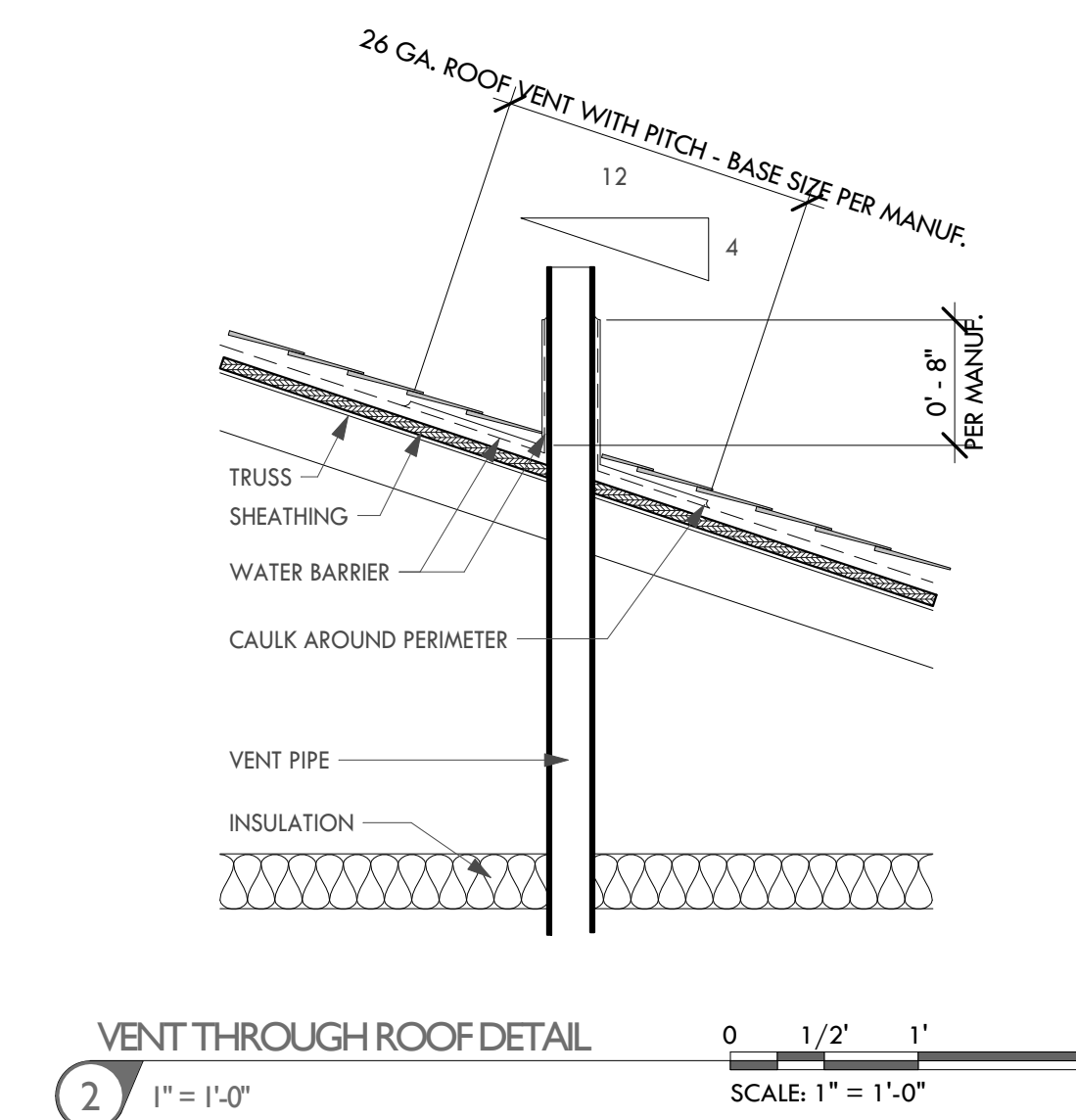


- NOTES:**
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDER ROOFING MATERIAL
 2. CONTACT ARCHITECT IF EXISTING CONDITIONS DIFFER FROM DRAWINGS

ROOF PLAN

1 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



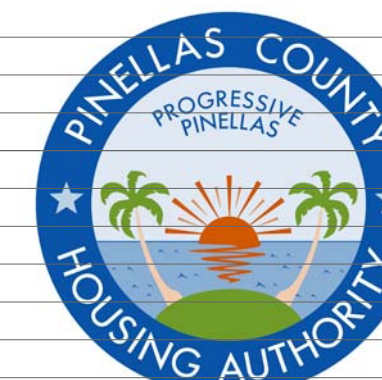
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Sheet Name : ROOF PLAN
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RESIDENCE RENOVATION

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SYMBOL LEGEND

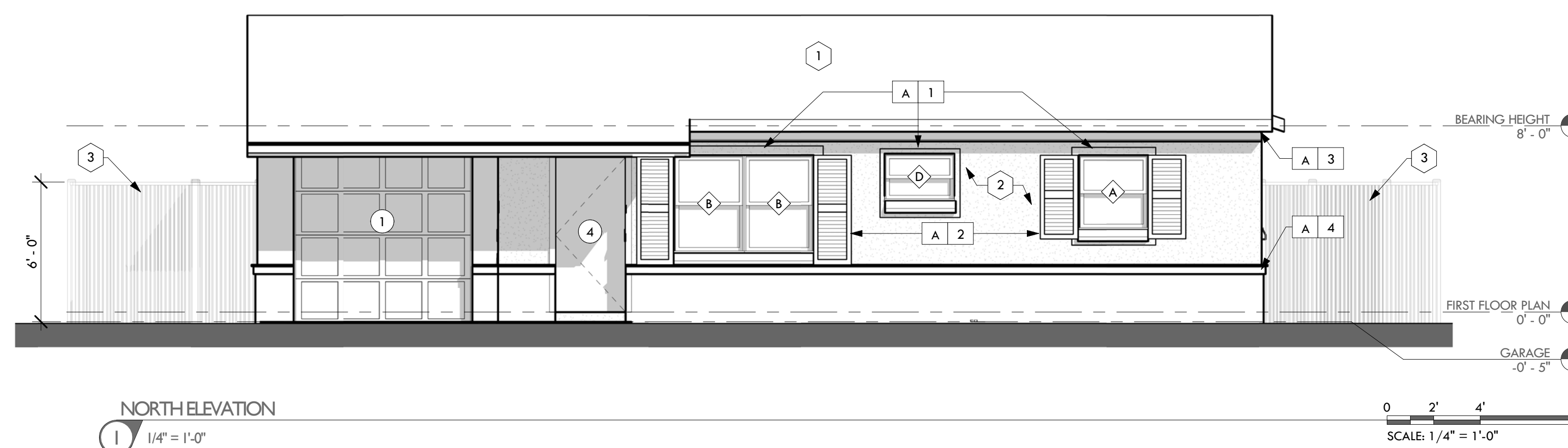
- WINDOW TAG
- DOOR TAG
- KEYNOTES

PROPOSED NOTES "O"

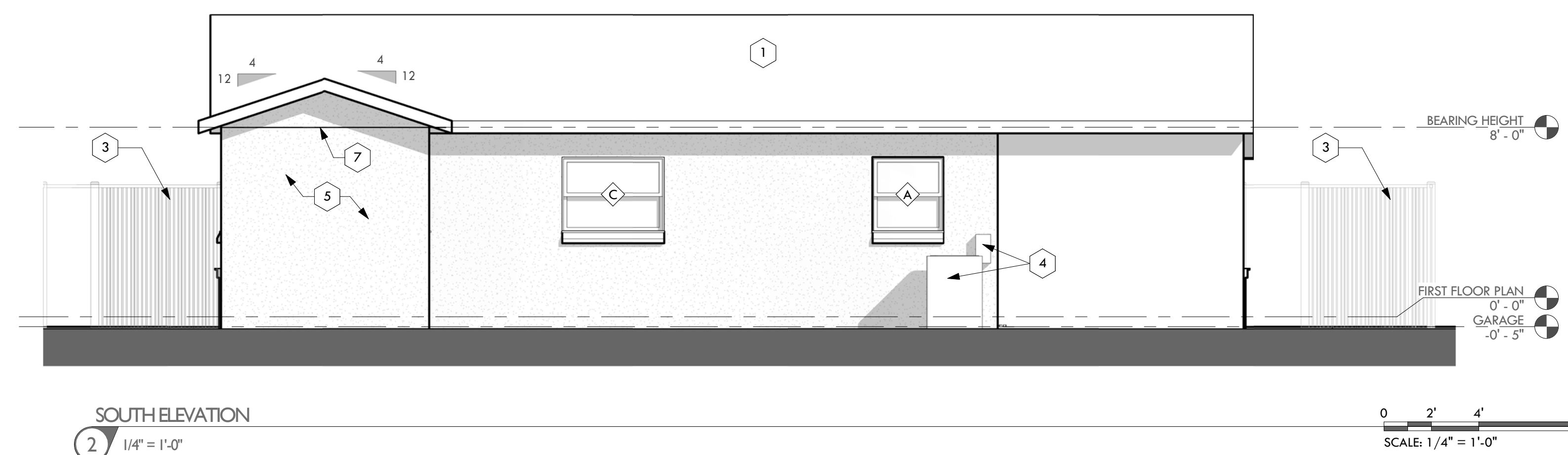
1. ROOF REPLACEMENT - REFER TO ROOF PLAN FOR SCOPE
2. EXTERIOR WALLS:
 - A. PRESSURE WASH ALL WALLS
 - B. REPAIR ALL STUCCO TO MATCH EXISTING CONDITIONS
 - C. CAULK AROUND ALL EQUIPMENT AND ANY ANY PENETRATIONS TO THE EXTERIOR WALLS
 - D. PAINT THE EXTERIOR OF THE HOUSE - REFER TO SHEET G-2 SPECIFICATIONS
3. PROVIDE NEW SIX FOOT WHITE VINYL FENCE
4. NEW COMPRESSOR - DISCONNECT AND ELECTRICAL METER
5. NEW ADDITION: CMU WALLS OVER SLAB ON GRADE THICKENED EDGE FOUNDATION AND CONVENTIONALLY FRAMED ROOF - SHINGLES TO MATCH SPECIFICATIONS
6. PAINT EXISTING ATTIC LOUVERS
7. PROVIDE NEW CONTROL JOINT

INCLUDE IN BID 0 0

- CONTRACTOR MUST PROVIDE LINE ITEM PRICING FOR THE FOLLOWING IMPROVEMENTS IN THEIR BASE BID:
1. STUCCO BANDING AROUND FRONT WINDOWS
 2. SHUTTERS
 3. HORIZONTAL STUCCO BANDING BELOW SOFFIT (6" SHOWN)
 4. NATURAL THIN STONE VENEER OVER EXISTING BRICK BOTTOM HALF OF FRONT FACADE:
 - A. INCLUDE CAP STONE
 - B. INCLUDE 24" TURN ON BOTH SIDES



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



SOUTH ELEVATION
2 1/4" = 1'-0"

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Sheet Name : EXTERIOR ELEVATIONS

Phase : PERMIT SET

Revision :

Date : 3.3.2017

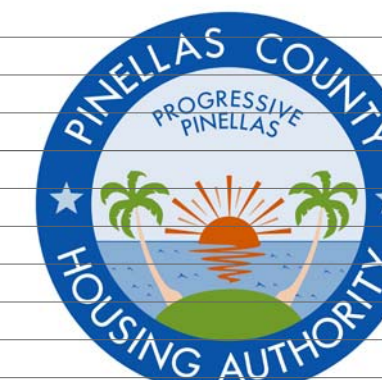
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Plot Scale :

Project Number : 1659

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RESIDENCE RENOVATION

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SYMBOL LEGEND

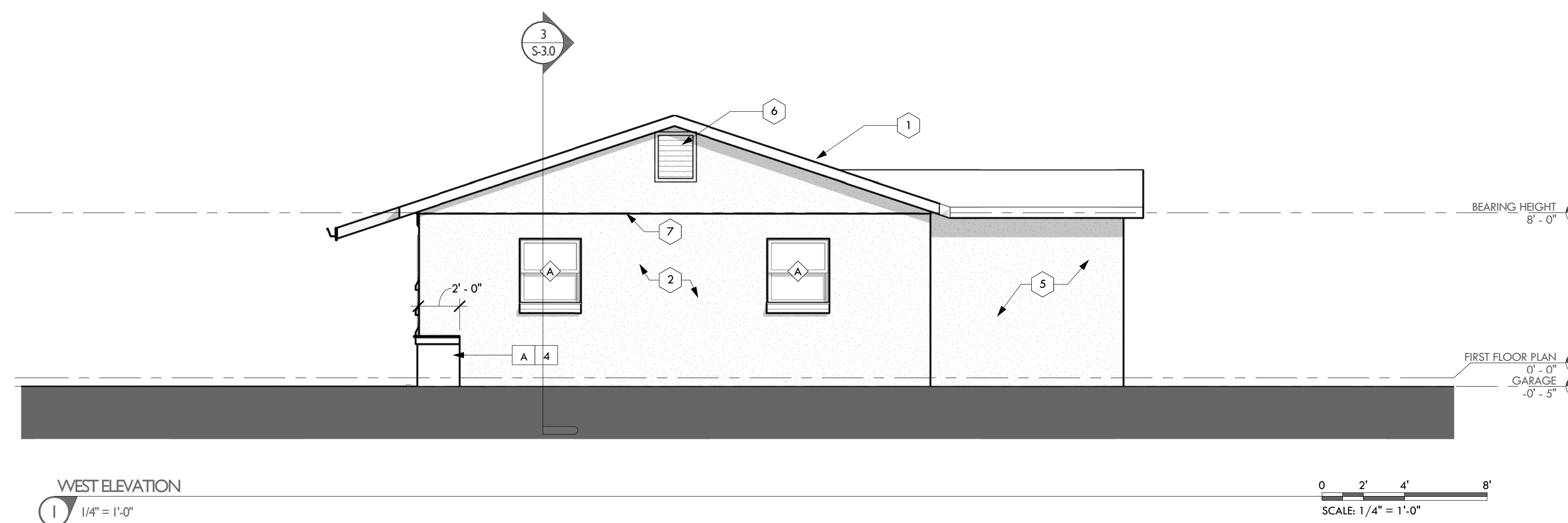
- WINDOW TAG
- DOOR TAG
- KEYNOTES

PROPOSED NOTES "O"

1. ROOF REPLACEMENT - REFER TO ROOF PLAN FOR SCOPE
2. EXTERIOR WALLS:
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3. PROVIDE NEW SIX FOOT WHITE VINYL FENCE
4. NEW COMPRESSOR - DISCONNECT AND ELECTRICAL METER
5. NEW ADDITION: CMU WALLS OVER SLAB ON GRADE THICKENED EDGE FOUNDATION AND CONVENTIONALLY FRAMED ROOF - SHINGLES TO MATCH SPECIFICATIONS
6. PAINT EXISTING ATTIC LOUVERS
7. PROVIDE NEW CONTROL JOINT

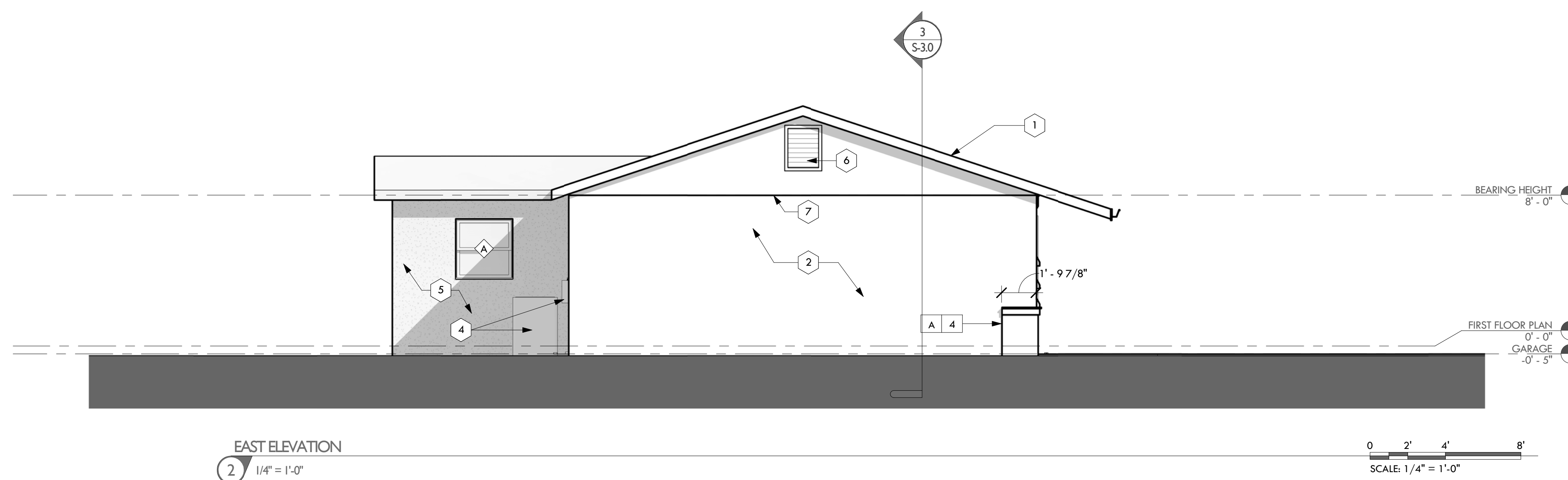
FACADE IMPROVEMENTS

- CONTRACTOR TO PROVIDE ALTERNATE PRICING FOR THE FOLLOWING IMPROVEMENTS:
1. STUCCO BANDING AROUND FRONT WINDOWS
 2. SHUTTERS
 3. HORIZONTAL STUCCO BANDING BELOW SOFFIT (6" SHOWN)
 4. NATURAL THIN STONE VENEER OVER EXISTING BRICK BOTTOM HALF OF FRONT FACADE:
 - A. INCLUDE CAP STONE
 - B. INCLUDE 24" TURN ON BOTH SIDES



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

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



EAST ELEVATION
2 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

John J. McKenna
Architect P.A.

600 N. WILLOW ST. SUITE 300
TAMPA, FLORIDA 33606
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THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF JOHN J. MCKENNA ARCHITECT P.A.

Sheet Name : EXTERIOR ELEVATIONS
Phase : PERMIT SET
Revision :
Date : 3.3.2017
Drawn by : DC
Checked by : JJM
Plot Scale :
Project Number : 1659

A-2.1



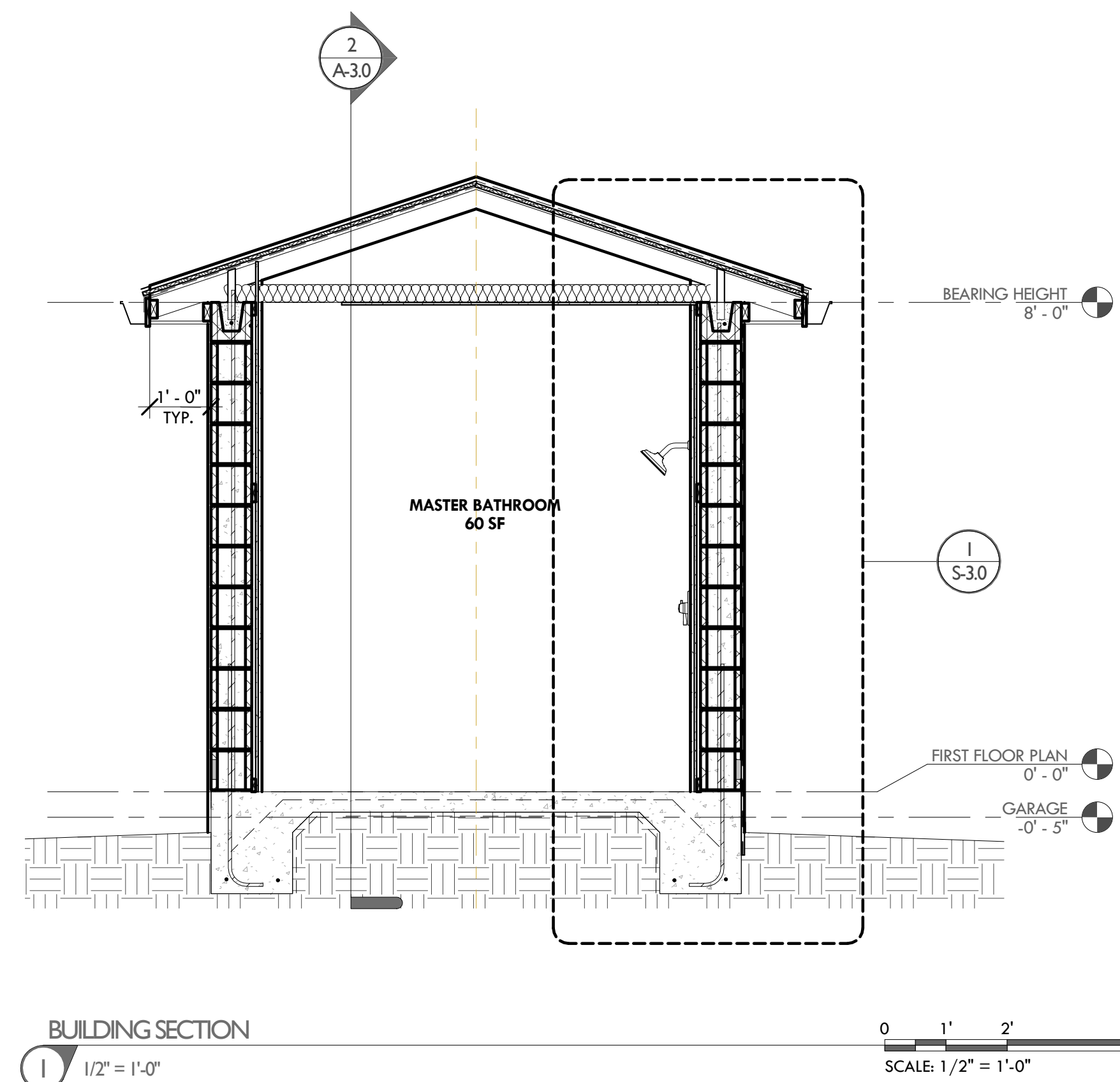
RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

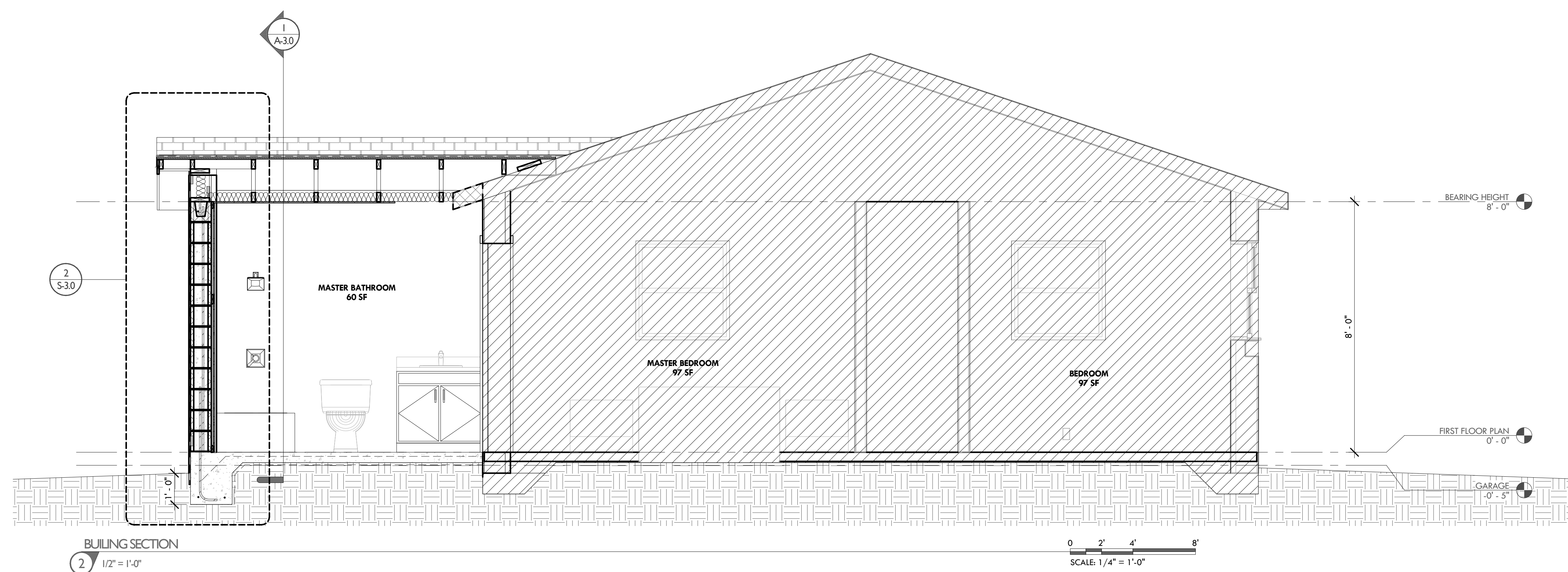
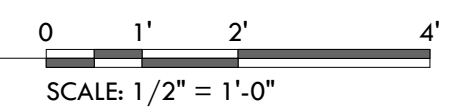
FLASHING NOTES

- DUE TO CLARITY NOT ALL REQUIRED FLASHINGS ARE INDICATED ON DRAWINGS. REFER TO FBC 2014 RESIDENTIAL, SECTION 7703.8. APPROVED CORROSION-RESISTIVE FLASHING SHALL BE PROVIDED IN THE EXTERIOR WALL ENVELOPE IN SUCH A MANNER AS TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND SHALL BE INSTALLED TO PREVENT WATER FROM REENTERING THE EXTERIOR WALL ENVELOPE. APPROVED CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED AT ALL OF THE FOLLOWING LOCATIONS:
1. AT TOP OF ALL EXTERIOR WINDOW AND DOOR OPENINGS IN SUCH A MANNER AS TO BE LEAKPROOF, EXCEPT THAT SELF-FLASHING WINDOWS HAVING A CONTINUOUS LAP OF NOT LESS THAN 1-1/8 INCHES (28 MM) OVER THE SHEATHING MATERIAL AROUND THE PERIMETER OF THE OPENING, INCLUDING CORNERS, DO NOT REQUIRE ADDITIONAL FLASHING; JAMB FLASHING MAY ALSO BE OMITTED WHEN SPECIFICALLY APPROVED BY THE BUILDING OFFICIAL.
 2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
 3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL CORNERS AND SILLS.
 4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
 5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
 6. AT WALL AND ROOF INTERSECTIONS.
 7. AT BUILT-IN GUTTERS.



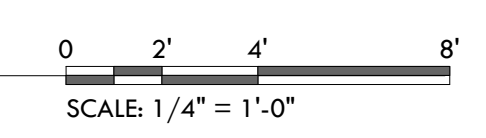
BUILDING SECTION

1 1/2" = 1'-0"



BUILDING SECTION

2 1/4" = 1'-0"



2/28/2017 10:05:16 PM

John J. McKenna Architect P.A.

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Sheet Name : **BUILDING SECTIONS**

Phase : **PERMIT SET**

Revision : **3.3.2017**

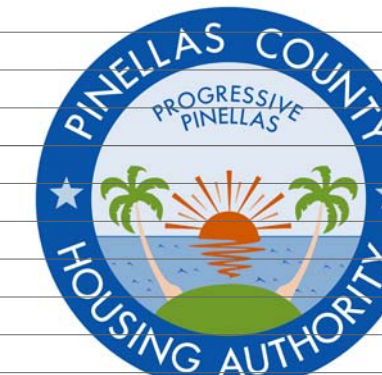
Date : **DC**

Drawn by : **JJM**

Checked by : **JJM**

Plot Scale : **A-3.0**

Project Number : **1659**



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

INTERIOR DESIGN LEGEND

- REFER TO G-2 FOR SPECIFICATIONS
- ELEVATIONS AS NOTED IN THE PLANS
- REFERENCE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION

- TOWEL BAR - (T.B.) = 56" A.F.F. OR U.N.O.
- TOWEL BAR ASB. = 36" ASB.
- TUB DECK TUB DECK
- TOILET PAPER DISP.-(T.P.) = 20" A.F.F.
- ROD AND SHELF (SGL)-(R/S) = 60" A.F.F.
- ROD AND SHELF (DBL)-(R/S) = 40" & 80" A.F.F.
- CORNER SHELF = 56" A.F.F.
- MEDICINE CABINET-(M.C.) = 75" TO TOP OF CAB. A.F.F.

PROPOSED NOTES "O"

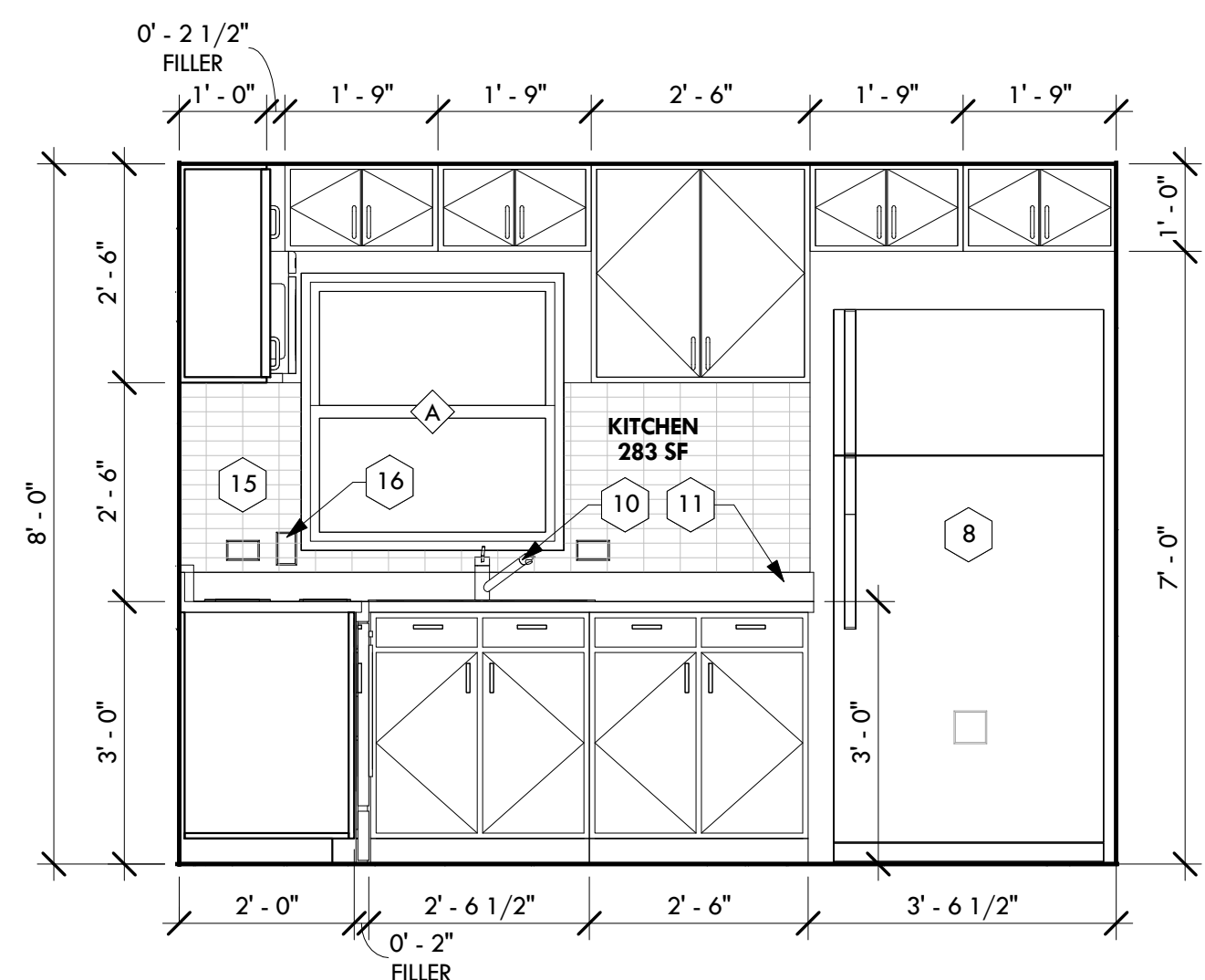
ALL INTERIOR FINISHES TO BE COORDINATED WITH OWNER

- MIRROR
- STACKABLE WASHER AND DRYER-PROVIDE HANSON BOX IN WALL BEHIND
- ENERGY STAR HIGH EFFICIENCY STORAGE ELECTRICAL WATER HEATER
- STANDARD 30"x60" PORCELAIN-ENAMELED STEEL TUB - LEVER HANDED SHOWER CONTROL
- TOILET
- FAUCET
- RANGE OVEN
- REFRIGERATOR
- DISHWASHER
- STAINLESS STEEL KITCHEN SINK
- COUNTERTOP
- 5-1/2" WD. BASE BOARD
- MICROWAVE
- GFCI OUTLET
- TILE BACKSPLASH - PROVIDE SAMPLES TO OWNER (NOT INCLUDED ON G-2 SPECIFICATIONS)
- SWITCH TO FOOD DISPOSAL
- CURTAIN ROD
- VANITY LIGHT
- SHOWER CONTROLS
- SHOWER TILE
- VANITY CABINET AND SINK/FAUCET
- SHOWER SEAT

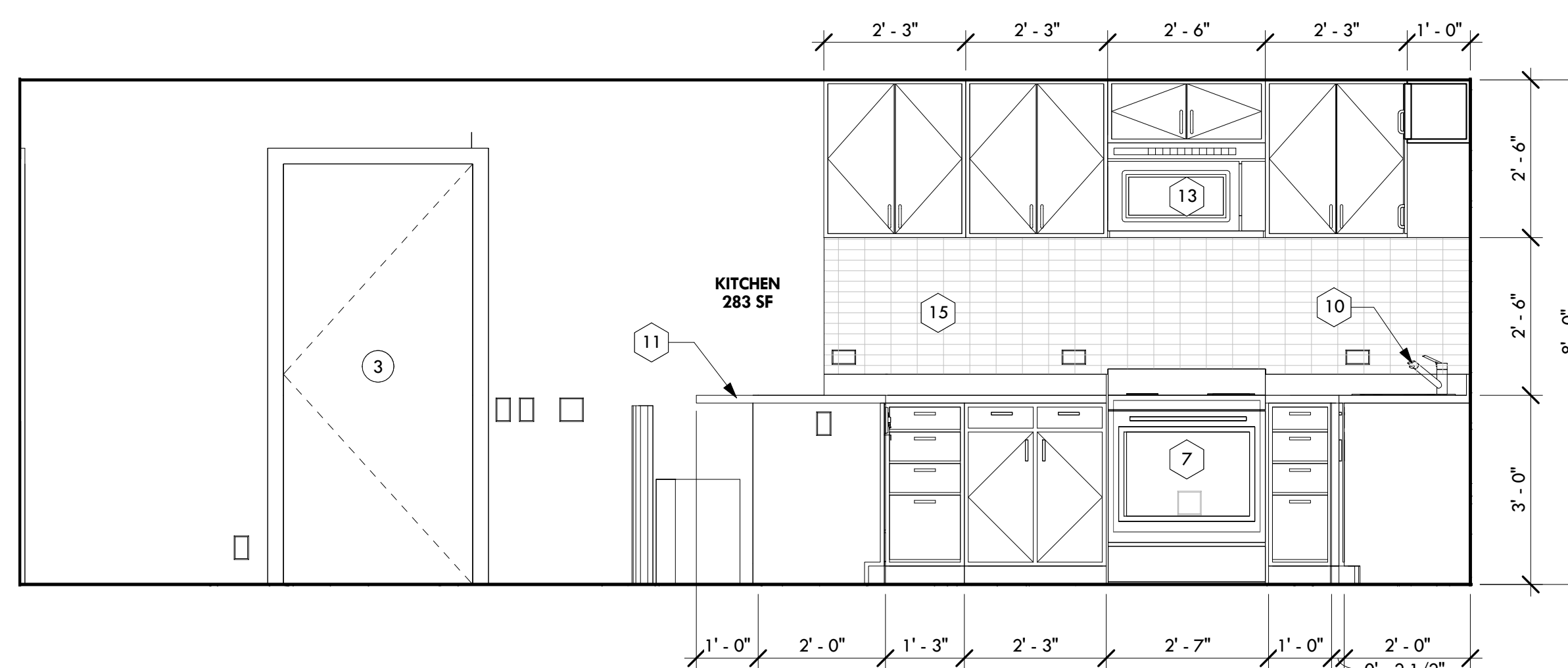
CABINET DETAILS "O"

REFER TO G-2 FOR BASIS OF DESIGN SPECIFICATIONS

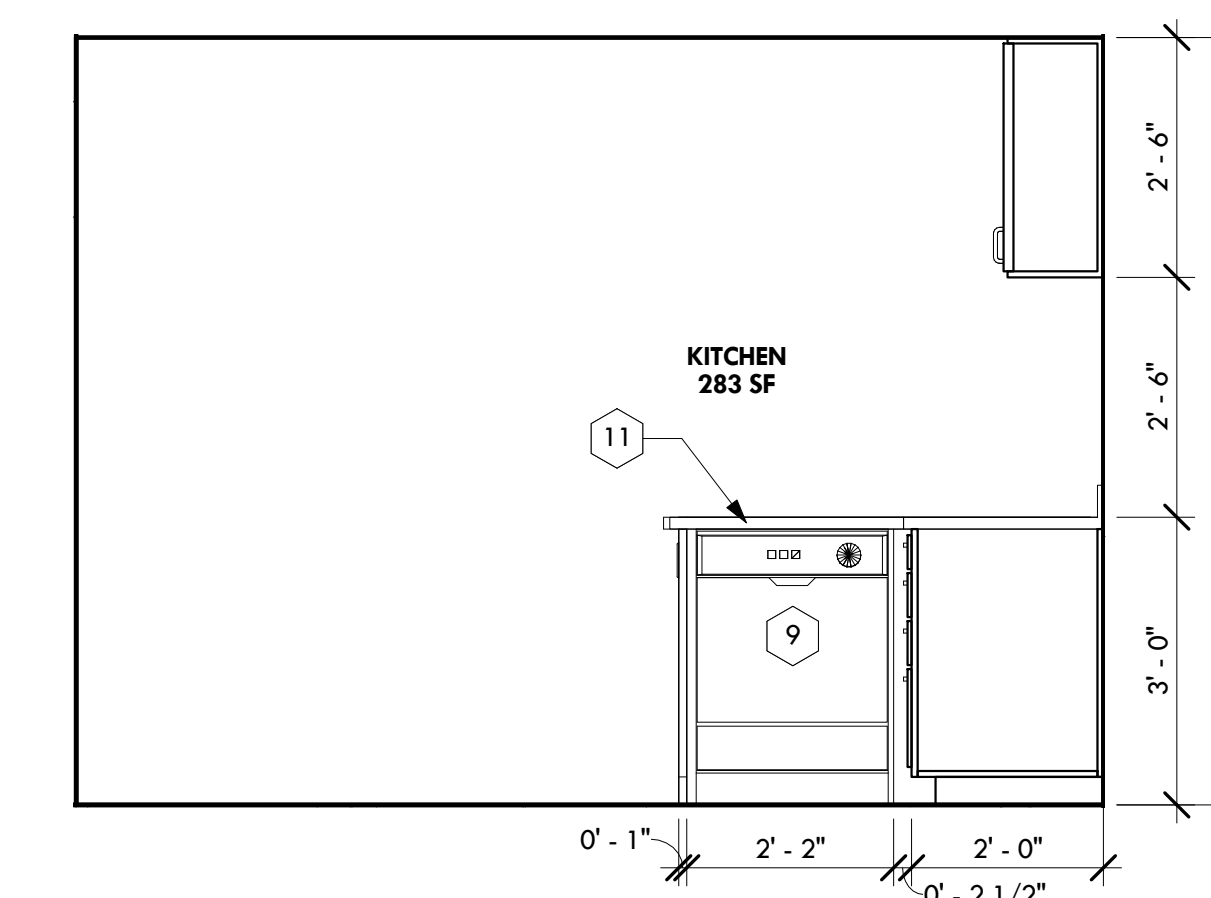
- 1" THICK LAMINATE COUNTERTOP WITH 1 1/2" THICK EDGE" - UNLESS NOTED OTHERWISE
- 3/4" WIDE X 4" HIGH LAMINATE BACKSPLASH
- FULL EXTENSION DRAWER SLIDE
- ADJUSTABLE SHELVING, 3/4" THICK W/ PLASTIC LAMINATE FINISH, PROVIDE 1" THICK
- CABINET SUB BASE, SEPARATE AND CONTINUOUS P.T. 2X4 WITH CONCEALED FASTENING TO CABINET BOTTOM. INSET WITH 1/4" AT CABINET FINISHED ENDS FOR A RECESSED BASE CONDITION
- PLASTIC LAMINATE OVER 2"X4" FRAMING
- HOLES DRILLED FOR ADJUSTABLE SHELVES AT 1 1/4" O.C. PROVIDE SHELF SUPPORT PINS TO ACCOMMODATE 3/4" & 1" THICK SHELVES. SHELF SUPPORTS TO BE TWIN-PIN, ANTI-TIP
- OVERLAY CABINET DRAWER / DOOR FACE. MAXIMUM 1/8" REVEAL BETWEEN DRAWERS
- SATIN CHROME WIRE PULL - COORD. W/ OWNER
- 1 X 4 WOOD LEDGER SECURED TO WALL FRAMING
- AT COUNTER MOUNTED LAVATORY LOCATIONS, PROVIDE LAMINATE WELDED TO 1" THICK EXTERIOR GRADE PLYWOOD
- 1/4" PLYWOOD BACKING ON 1 X 3 HARDWOOD CABINET FRAME
- MICROWAVE
- GFCI OUTLET
- TILE WALL RETURN
- CABINET UNDERMOUNTED LIGHT OPTIONAL-COORD. WITH CABINET MANUF. & OWNER



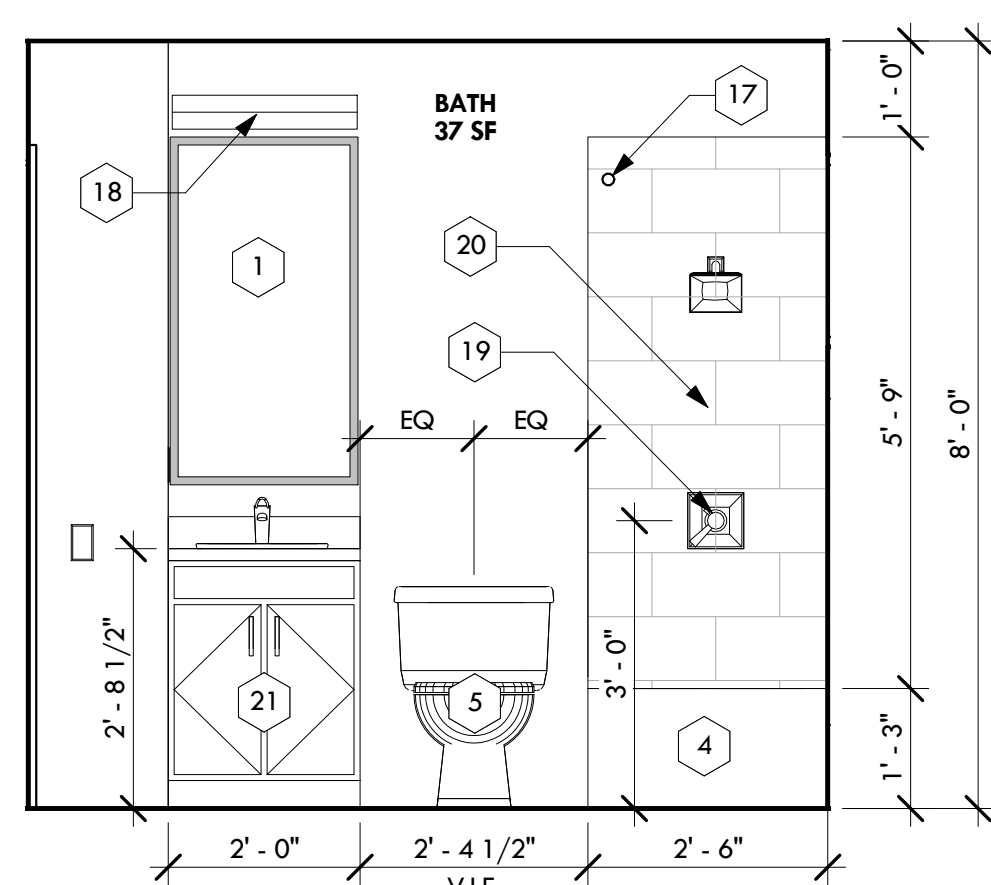
1 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



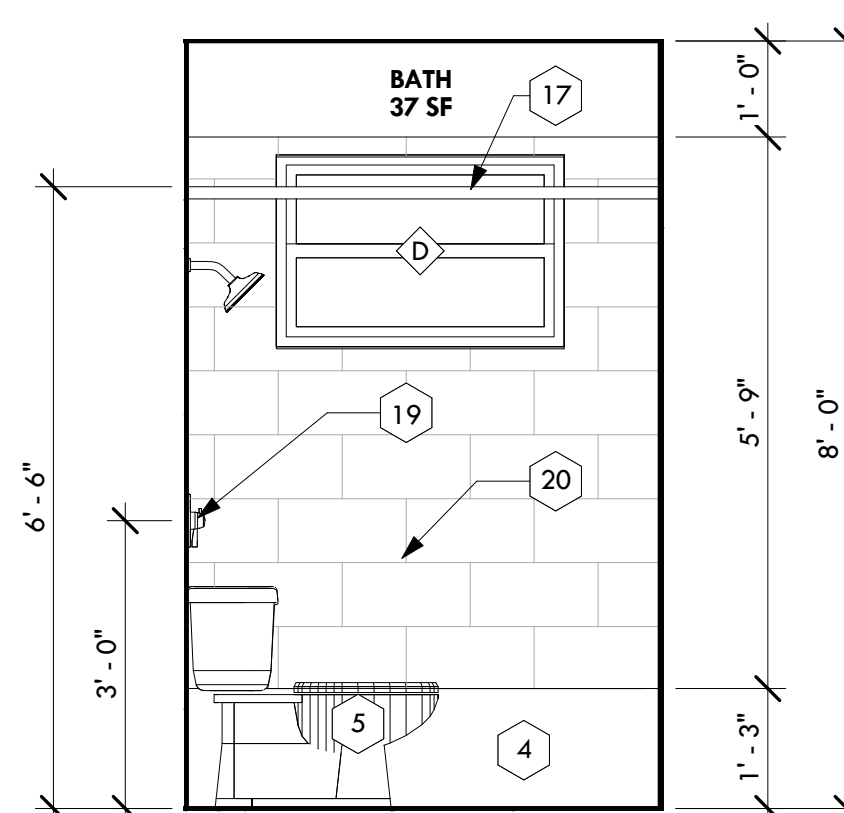
2 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



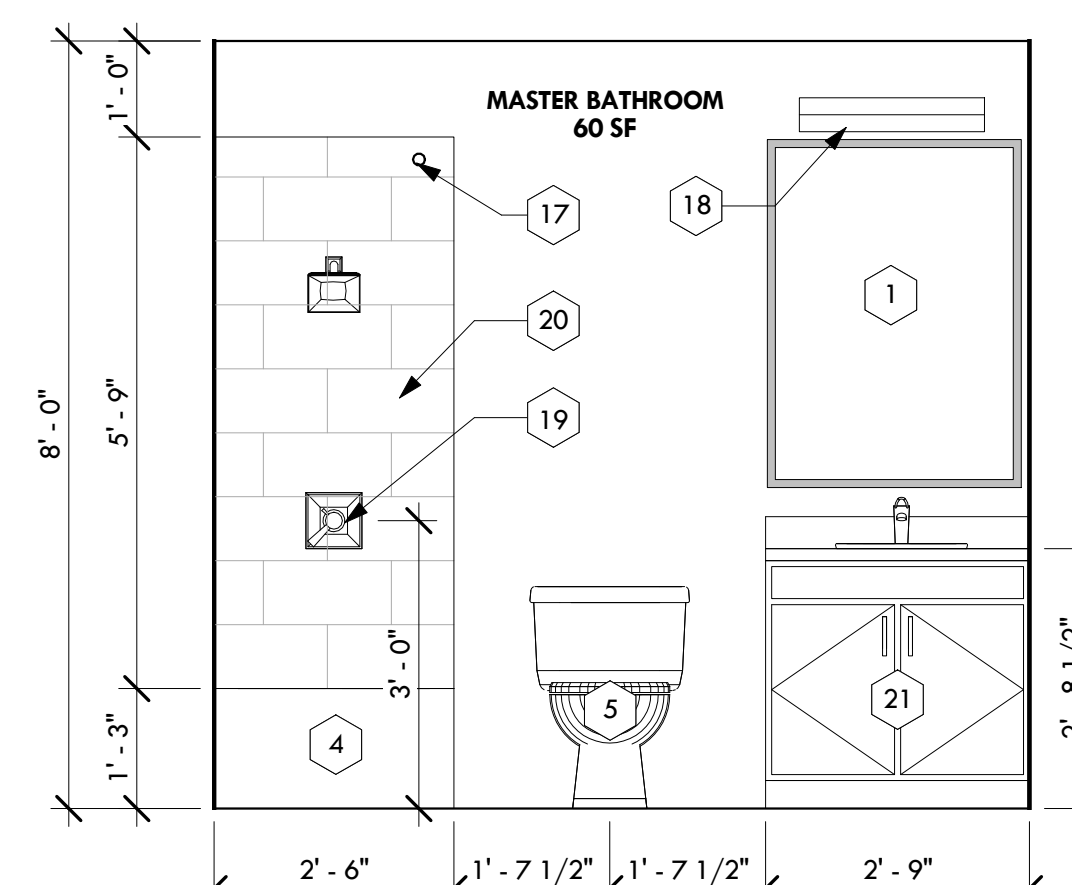
3 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



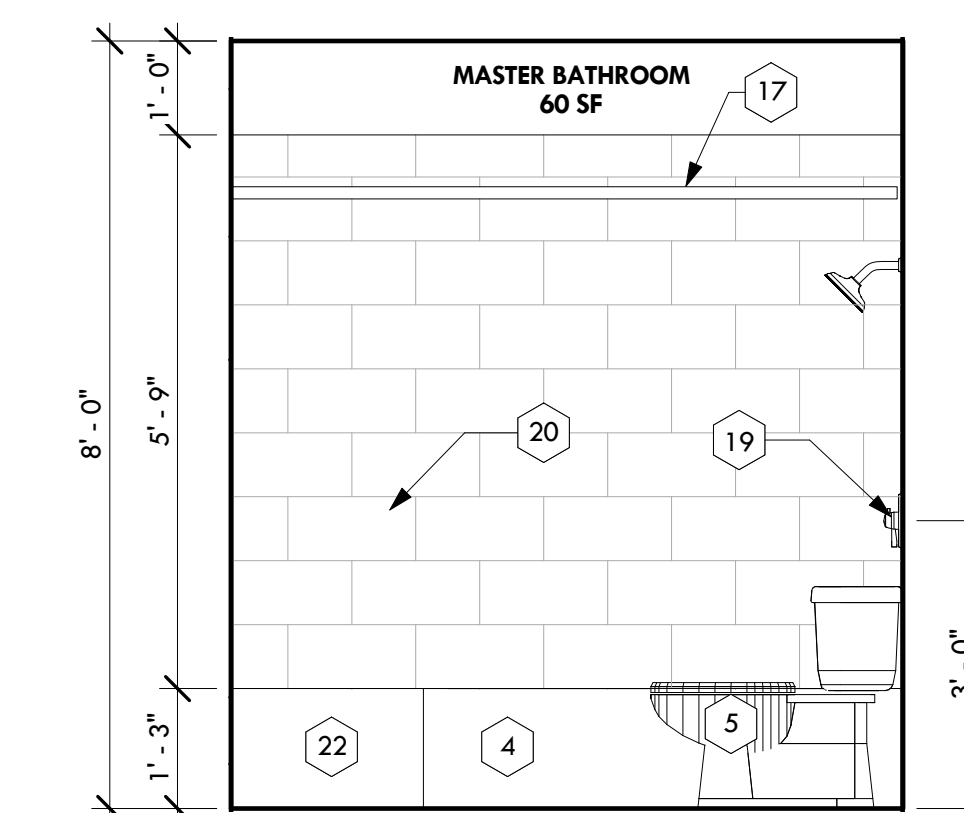
4 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



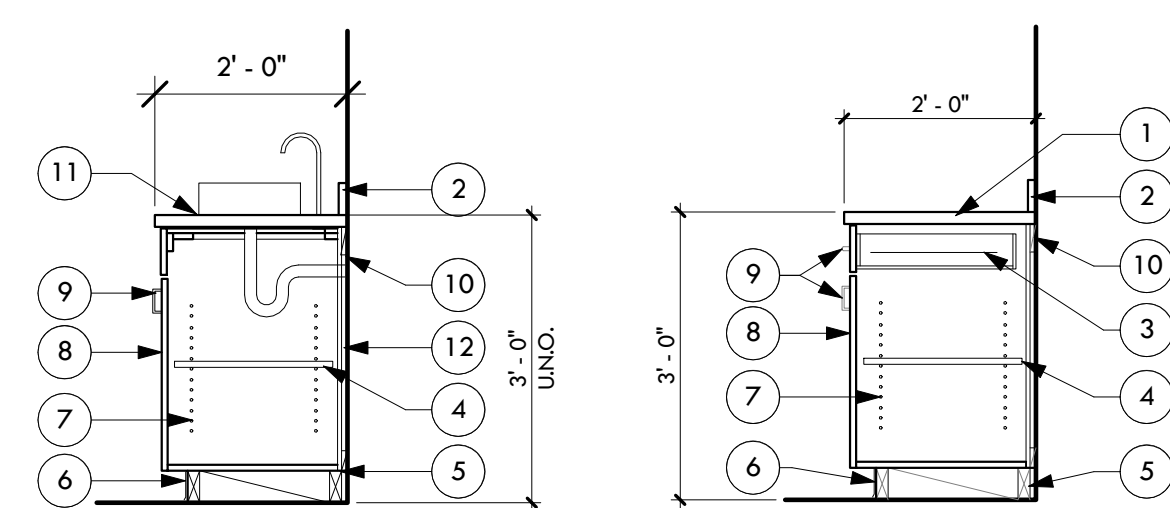
5 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



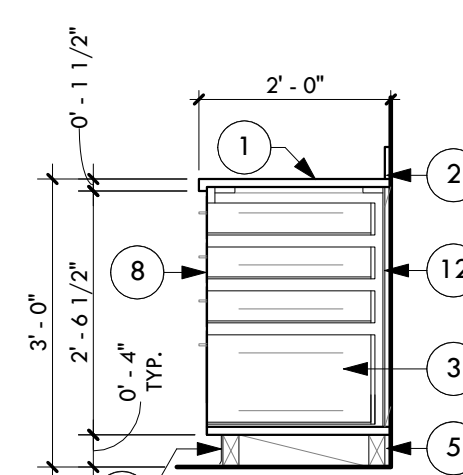
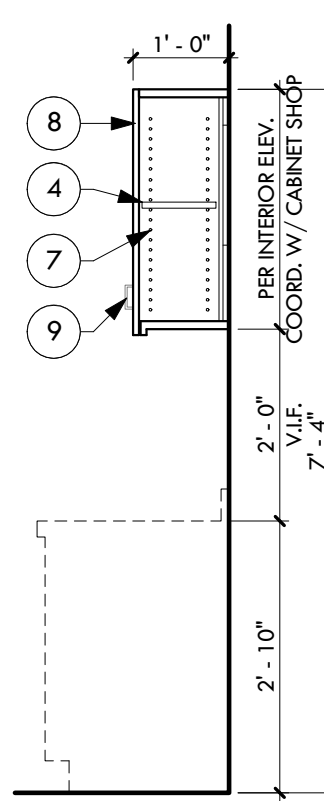
6 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



7 INTERIOR ELEVATIONS
1/2" = 1'-0"
SCALE: 1/2" = 1'-0"



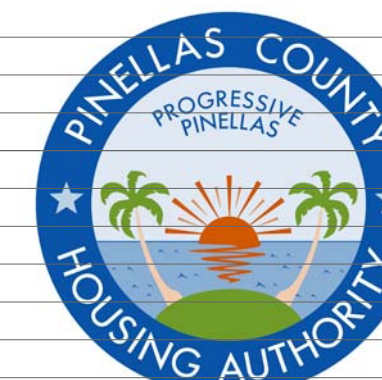
10 CABINET DETAILS
1/2" = 1'-0"



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Sheet Name : INTERIOR ELEVATIONS
Phase : PERMIT SET
Revision :
Date : 3.3.2017
Drawn by : DC
Checked by : JJM
Plot Scale :
Project Number : 1659

A-5.0



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

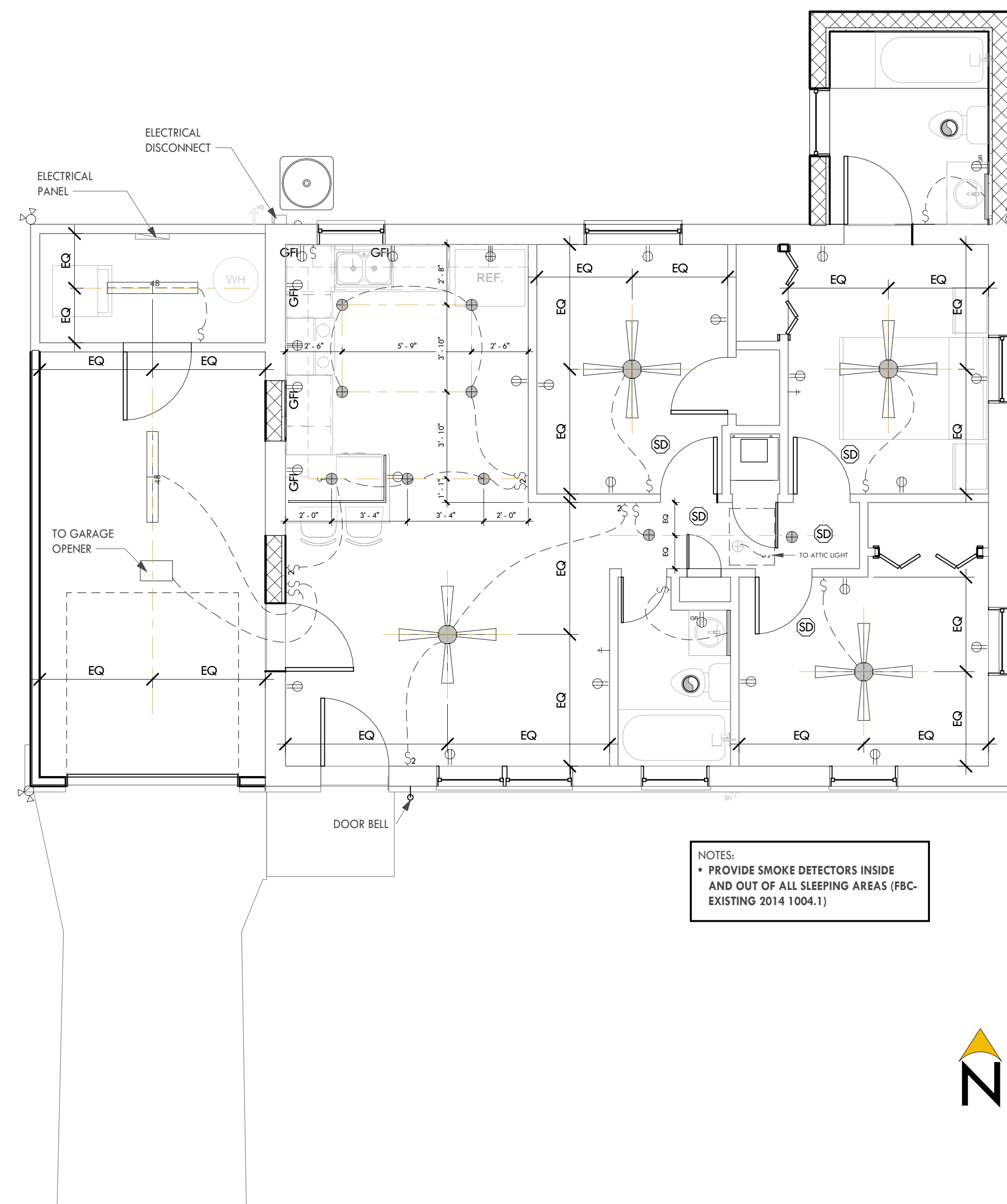
ELECTRICAL LEGEND

1. ALL RECEPTACLES ABOVE COUNTERS SHALL BE MOUNTED HORIZONTALLY
2. ALTERNATE CANS MAY BE USED IF APPROVED BY OWNER
3. DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE COORDINATED WITH ARCHITECT AND OWNER
4. LIGHTING
5. AS SPECIFIED PER NFPA 70 (NEC) GFCI ARE TO BE INSTALLED IN BATHROOMS, GARAGES, CRAWL SPACES OR BELOW GRADE, KITCHENS LAUNDRY, UTILITY, WET BAR SINKS, WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, ROOMS NOT INTENDED AS HABITABLE ROOMS BELOW GRADE LEVEL

- ⊕ RECESSED CAN
- ⊕ RECESSED DIRECTIONAL LIGHT
- ⊕ PENDANT LIGHT /CHANDELLIER BY OWNER
- ⊕ 40W A 6" ROUND OPALEX-TUB/SHOWER
- ⊕ EXHAUST FAN WITH FAN
- ⊕ SMOKE DETECTOR / CARBON MONOXIDE COMBO PER FBC AND F.S. 553.885
- ⊕ DOUBLE FLOOD LIGHT W/CLOVERS AND 150W PAR 38 FL
- ⊕ SWITCH AT 36"
- ⊕ 2 WAY SWITCH AT 36"
- ⊕ TV OUTLET AT 12" - WIRE FOR CABLE & SATELLITE (COAXIAL)
- ⊕ 220V OUTLET AT 30"
- ⊕ 110 V DUPLEX AT 12"
- ⊕ WEATHERPROOF GFCI OUTLET ABOVE COUNTER
- ⊕ WALL MOUNT FIXTURE
- ⊕ CEILING FAN PREWIRE AND SWITCH
- ⊕ UNDERMOUNT CABINET LIGHTING
- ⊕ 48" CLG. MNT. WRAPPED FLUOR LIGHT
- ⊕ WALL MOUNT LIGHT FIXTURE-CENTERED ABOVE MIRROR - COORD.W/OWNER

ELECTRICAL SPECS

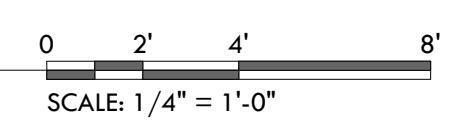
1. ALL APPLIANCES TO BE ENERGY STAR APPROVED
2. ALL LIGHTING TO BE ENERGY STAR APPROVED



NOTES:
 • PROVIDE SMOKE DETECTORS INSIDE AND OUT OF ALL SLEEPING AREAS (FBC-EXISTING 2014 1004.1)



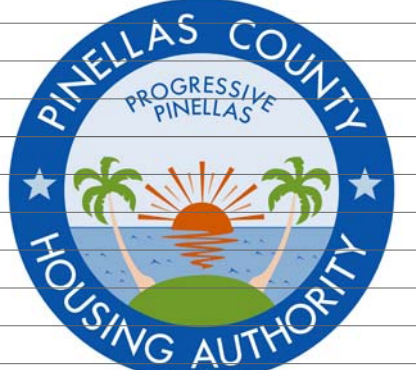
ELECTRICAL PLAN
1 1/4" = 1'-0"



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 Architect P.A.
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 Sheet Name : ELECTRICAL PLAN
 Phase : PERMIT SET
 Revision :
 Date : 3.3.2017
 Drawn by : DC
 Checked by : JJM
 Plot Scale :
 Project Number : 1659

E-1.0



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

The Genuine. The Original.



Overhead Door Corporation
2501 S. State Hwy 121, Suite 200
Lakewood, TX 75867
Phone: 409.547.7100
Fax: 409.547.7281
www.overheaddoor.com

April 10th, 2015

Subject: Evaluation Report for Model 521

SUBMITTED BY:
Overhead Door Corporation
3395 Addison Drive
Pensacola, FL 32514

One Door Drive
P. O. Box 67
Mt. Hope, OH 44660

1. PRODUCT NAME
Model 521

2. SCOPE OF EVALUATION

Structural Transverse Wind Loads and Large Missile Impact and Cyclic Wind Pressure Resistance.
Since every door size cannot be tested, engineering analysis using a comparative analysis, as permitted per the Florida Product approval 61G-20, were used to analyze the doors and make the wind load designs.

3. USES

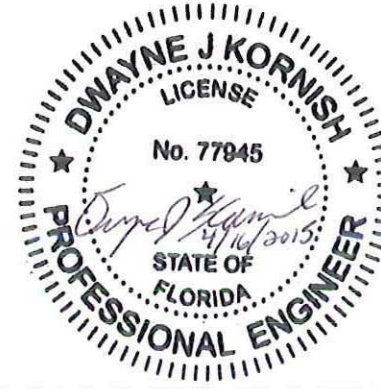
Model 521 garage doors are used for residential and commercial applications with specified allowable design pressures.

4. DESCRIPTION

General
Model 521 doors listed in table 1 of this report are sectional overhead garage doors composed of rails and stiles of extruded aluminum alloy 6063-T8 and .250" polycarbonate glazing. The sections are connected together with 13 gage end hinges and 15 gage center hinges. The doors have a maximum section height of 30.5" and are 1-3/4" thick. The doors are available in widths up to 16'2" and heights up to 30'-1".

Door Tracks

All door assemblies listed in this report have a minimum 13 ga vertical and a minimum 15 ga horizontal tracks with a minimum 33 ksi steel and finished with an ASTM A525 G-40 galvanized coating. The vertical tracks are attached to the supporting structure with jamb brackets or wall angle as specified on the most recent manufacturer's installation instructions/drawings.



7. SUBSTANTIATING DATA

- 1. Test Report Numbers 032515A, and 033115A in accordance with ANSI/DASMA 108-2005 and ANSI/DASMA 108-2012 for transverse wind load and ANSI/DASMA 115-2005 for large missile impact resistance by Wayne Dalton, a Division of Overhead Door Corporation, 3395 Addison Drive Pensacola, FL.
2. Test lab was accredited at the time of testing.
3. Installation instructions and supplemental data sheets prepared by Overhead Door Corporation.

8. REPORT SUMMARY

Upon review of the data submitted by Overhead Door Corporation, it is my opinion that the models as described in this report conform with or are a suitable alternative to the code standards and sections in the Florida Building Code.

9. LIMITATIONS

Any reference in this report to the manufacturer's "most recent" information is a direct reference to the most recent information submitted by Overhead Door Corporation to the Florida Building Commission as part of their Florida Product Approval application for the drawings listed in Table 1 of this report. This evaluation report and the most recent installation instructions, when required by the building official, shall be submitted at the time of permit application.

The design of the supporting structural elements shall be the responsibility of the design professional for the building structure and in accordance with current building codes for the loads listed in Table 1 of this report. The doors shall not be located in areas where the transverse wind loads exceed the allowable loads shown in Table 1 of this report.

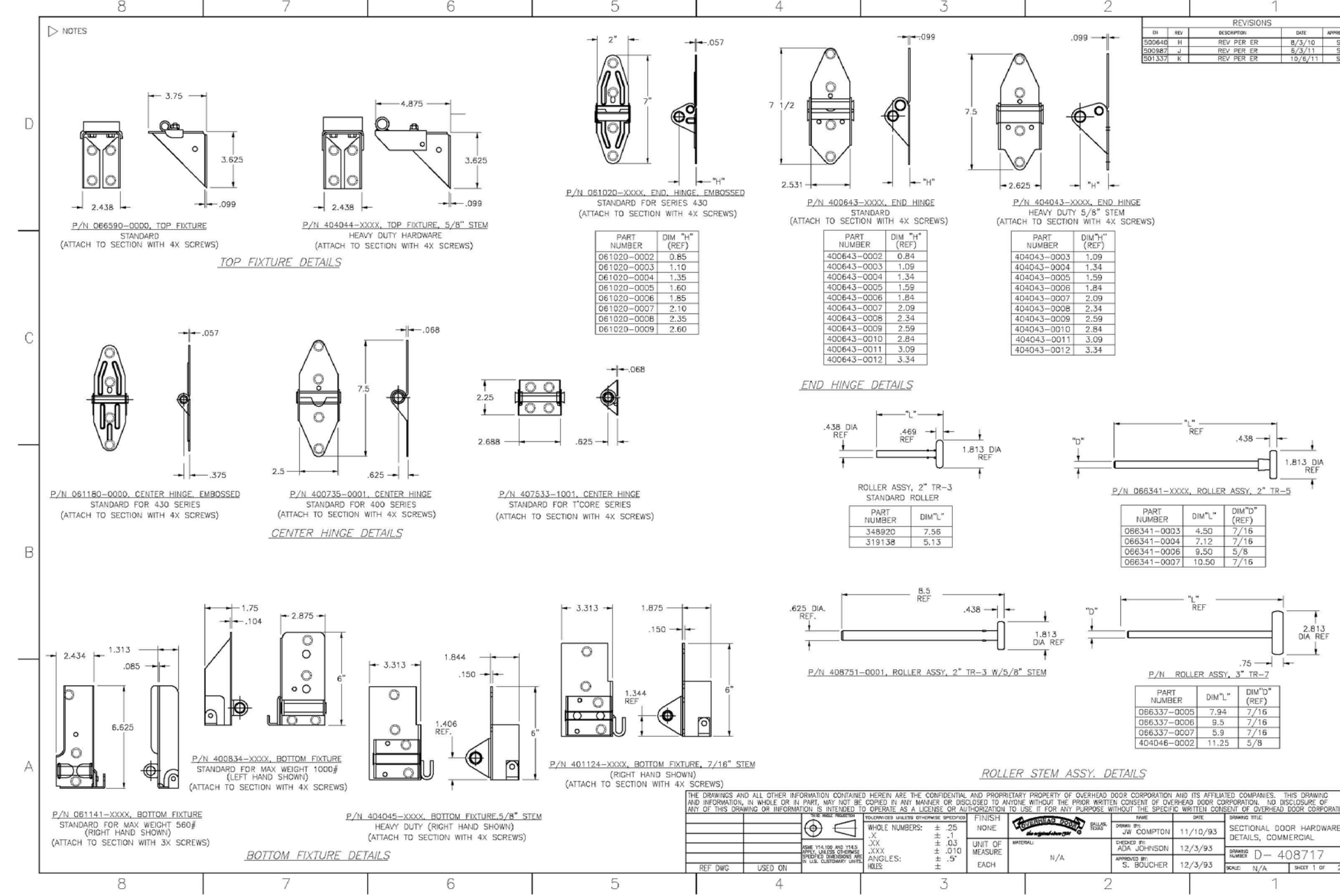
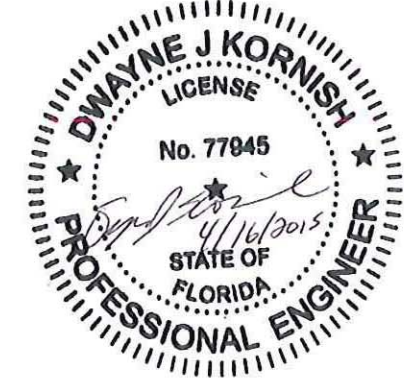
10. IDENTIFICATION

Each Model series covered by this report shall be labeled with the manufacturer's name and/or trademark for field identification.

Please feel free to contact me if you need any additional information.

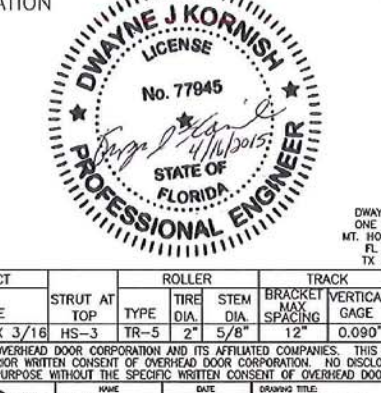
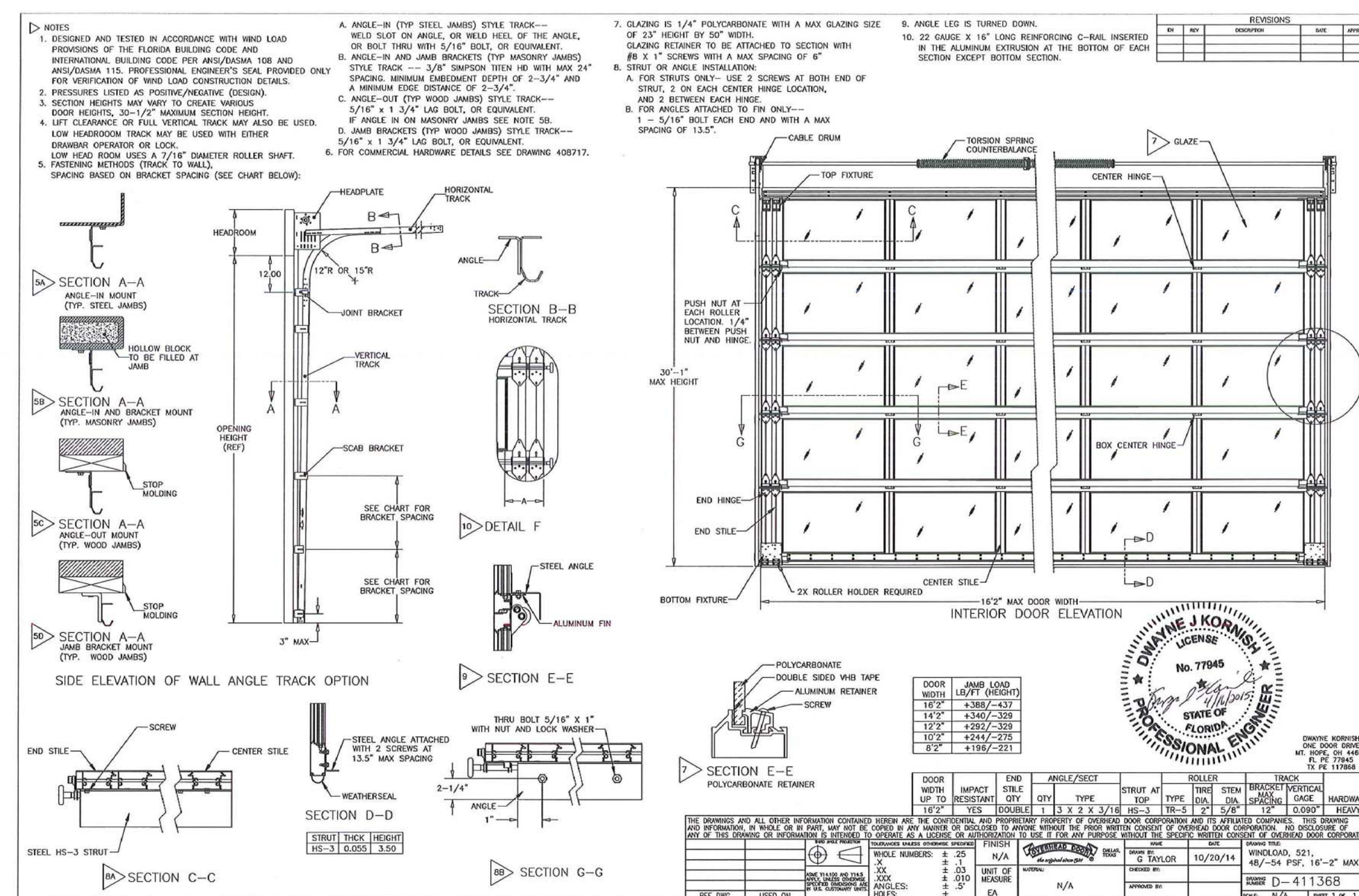
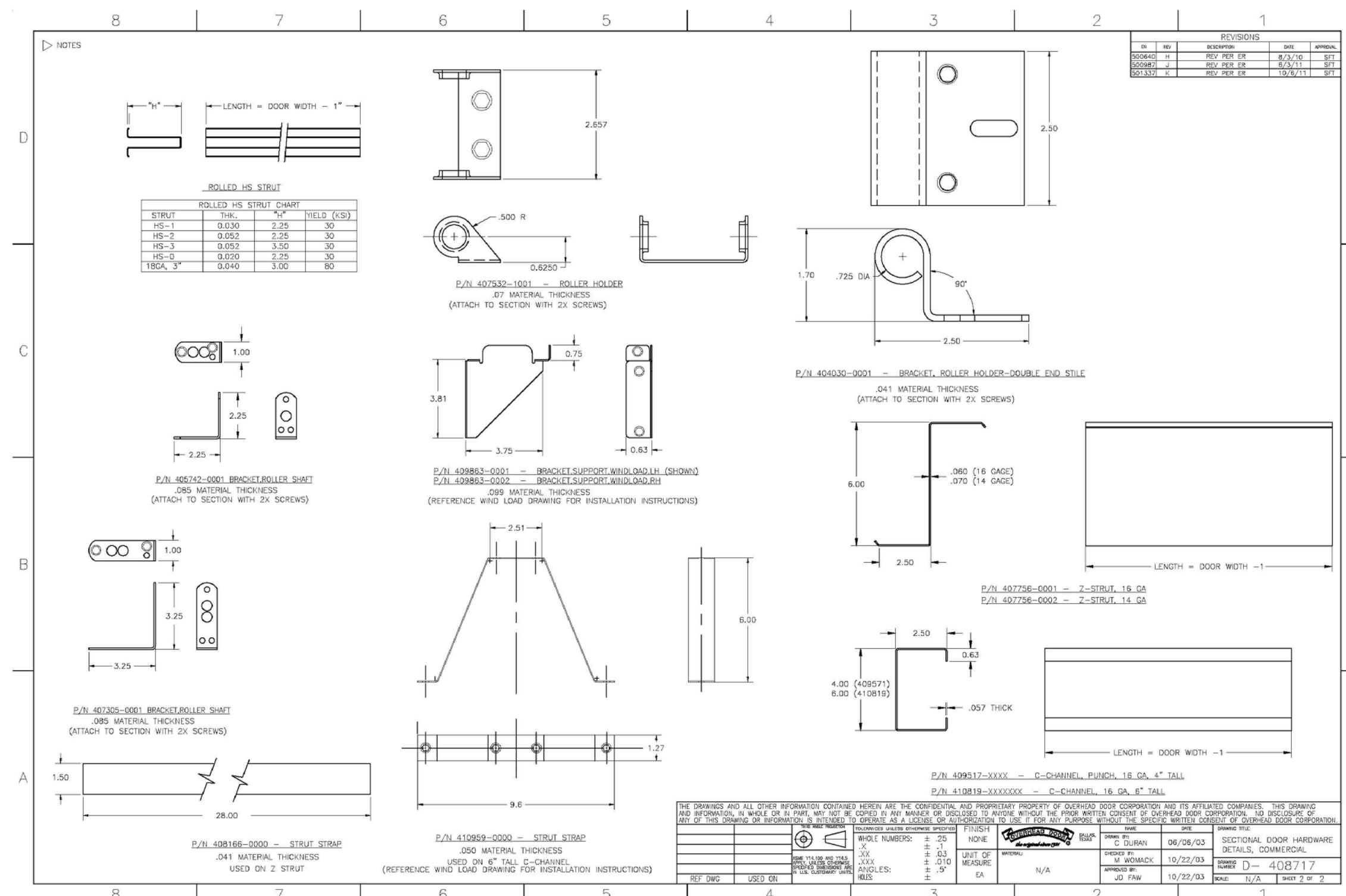
Sincerely,

Dwayne Kornish
FL PE 77945



Overhead Door Corporation logo and partner logos (Wayne Dalton, GENIE, Horton, TONCO).

Overhead Door Corporation logo and partner logos (Wayne Dalton, GENIE, Horton, TONCO).



John J. McKenna
Architect P.A.

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E-MAIL: mckenna42@verizon.net

Phase: PRODUCT APPROVAL - GARAGE DOOR

Revision: PERMIT SET

Date: 3.3.2017

Drawn by: Author

Checked by: Checker

Plot Scale:

Project Number: 1659



NOTICE OF ACCEPTANCE (NOA)
 GAF
 1 Campus Drive
 Parsippany, NJ 07054

SCOPE:
 This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GAF Timberline HD®, Timberline Natural Shadow®, and Timberline American Harvest® Shingles

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL: of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION: of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA 13-0419.04 and consists of pages 1 through 6.
 The submitted documentation was reviewed by Juan E. Collao, R.A.



Juan E. Collao

NOA No.: 14-1022-20
 Expiration Date: 02/21/17
 Approval Date: 02/05/15
 Page 1 of 6

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Asphalt Shingles
Materials: Laminate
Deck Type: Wood

SCOPE

This approves GAF Timberline HD®, Timberline Natural Shadow®, and Timberline American Harvest® Shingles as manufactured by GAF as described in Section 2 of this Notice of Acceptance.

PRODUCT DESCRIPTION

Product	Dimensions	Test Specifications	Product Description
GAF Timberline HD® Manufacturing Locations #1, 2, 3, 4, 5, 6, 7	13 1/4" x 39 3/8"	TAS 110	Fiberglass reinforced heavy weight asphalt roof shingle, with a laminate profile
GAF Timberline Natural Shadow® Manufacturing Locations #1, 2, 3, 4, 5, 6, 7	13 1/4" x 39 3/8"	TAS 110	Fiberglass reinforced heavy weight asphalt roof shingle, with a laminate profile
GAF Timberline American Harvest® Manufacturing Locations #2, 4, 5, 6	13 1/4" x 39 3/8"	TAS 110	Fiberglass reinforced heavy weight asphalt roof shingle, with a laminate profile

MANUFACTURING LOCATION

- Tampa, FL
- Michigan City, IN
- Baltimore, MD
- Myerstown, PA
- Emis, TX
- Tuscaloosa, AL
- Dallas, TX

EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
Underwriters Laboratories, Inc.	ASTM D3462	11CA48924	10/24/11
Underwriters Laboratories, Inc.	ASTM D3462	10CA21994	04/22/11
Underwriters Laboratories, Inc.	ASTM D3462	10CA28717	07/26/11
Underwriters Laboratories, Inc.	ASTM D3462	05CA47541	11/10/06
PRI Asphalt Technologies, Inc.	ASTM D3462	06CA31580	11/30/06
Underwriters Laboratories, Inc.	ASTM D3462	GAF-101-02-02	11/02/05
Underwriters Laboratories, Inc.	ASTM D3462	06NK05159	08/09/06
PRI Asphalt Technologies, Inc.	ASTM D3462	GAF-098-02-02	11/08/05
Underwriters Laboratories, Inc.	ASTM D3462	02NK41809	08/11/02
Underwriters Laboratories, Inc.	ASTM D3462	03NK26444	10/17/03
Center for Applied Engineering	ASTM D3462	257989	05/13/97
Underwriters Laboratories, Inc.	TAS 107	01NK45803	04/13/94
Underwriters Laboratories, Inc.	TAS 107	06NK05159	08/09/06
Underwriters Laboratories, Inc.	TAS 107	04NK04273	02/20/04
Underwriters Laboratories, Inc.	TAS 107	05CA42840	11/11/05
Underwriters Laboratories, Inc.	TAS 107	02NK41811	11/11/02
Underwriters Laboratories, Inc.	TAS 107	03CA35209	10/17/03
Center for Applied Engineering	TAS 100	04CA13850	08/30/04
PRI Asphalt Technologies, Inc.	TAS 100	257989	04/01/97
PRI Asphalt Technologies, Inc.	TAS 100	GAF-044-02-01	01/13/04
PRI Asphalt Technologies, Inc.	TAS 100	GAF-098-02-01	11/08/05
PRI Asphalt Technologies, Inc.	TAS 100	GAF-101-02-01	11/09/05
PRI Asphalt Technologies, Inc.	TAS 100	ELK-116-02-02	03/23/06
PRI Asphalt Technologies, Inc.	TAS 100	ELK-083-02-01	10/16/02
PRI Asphalt Technologies, Inc.	TAS-100	ELK-084-02-01	10/15/02
		ELK-085-02-01	10/14/02
		ELK-086-02-01	10/24/02
		ELK-087-02-01	10/21/02
		ELK-088-02-01	10/16/02
		ELK-107-02-01	10/09/03
		ELK-108-02-01	10/09/03
		ELK-109-02-01	10/09/03

LIMITATIONS

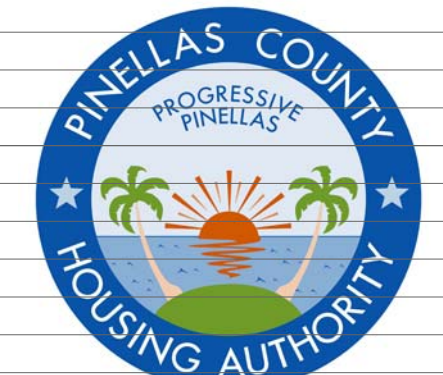
- Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- Shall not be installed on roof mean heights in excess of 33 ft.
- All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.



NOA No.: 14-1022-20
 Expiration Date: 02/21/17
 Approval Date: 02/05/15
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 Expiration Date: 02/21/17
 Approval Date: 02/05/15
 Page 4 of 6



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
 LARGO, FL 33778



INSTALLATION

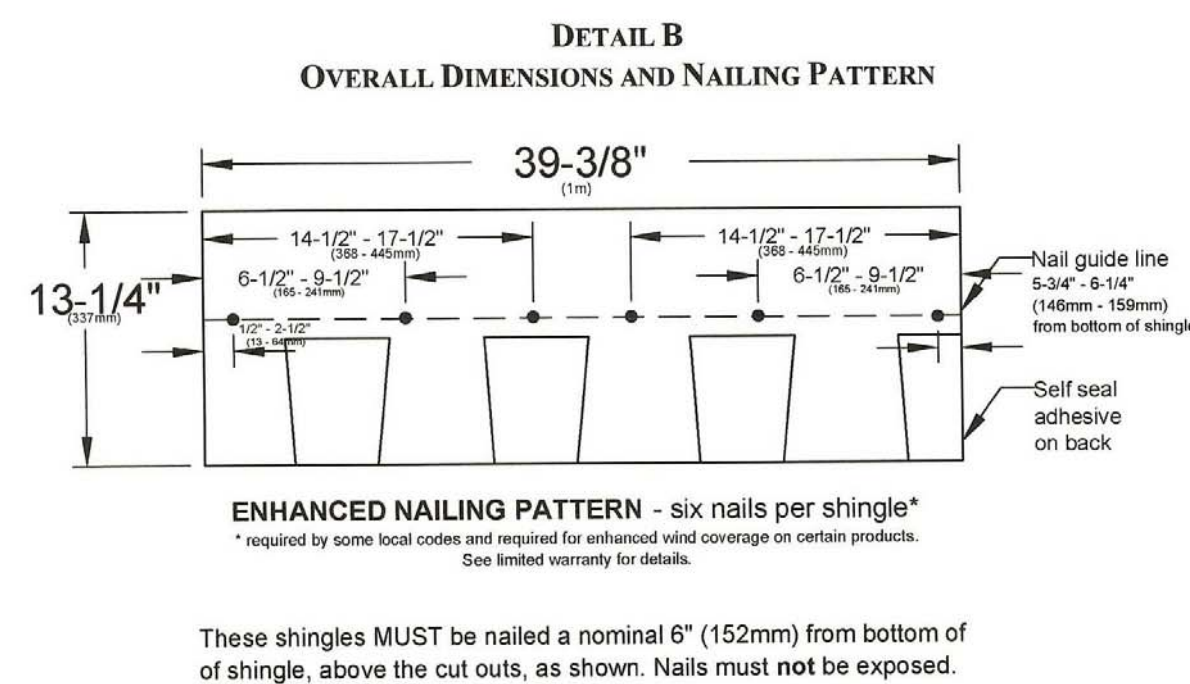
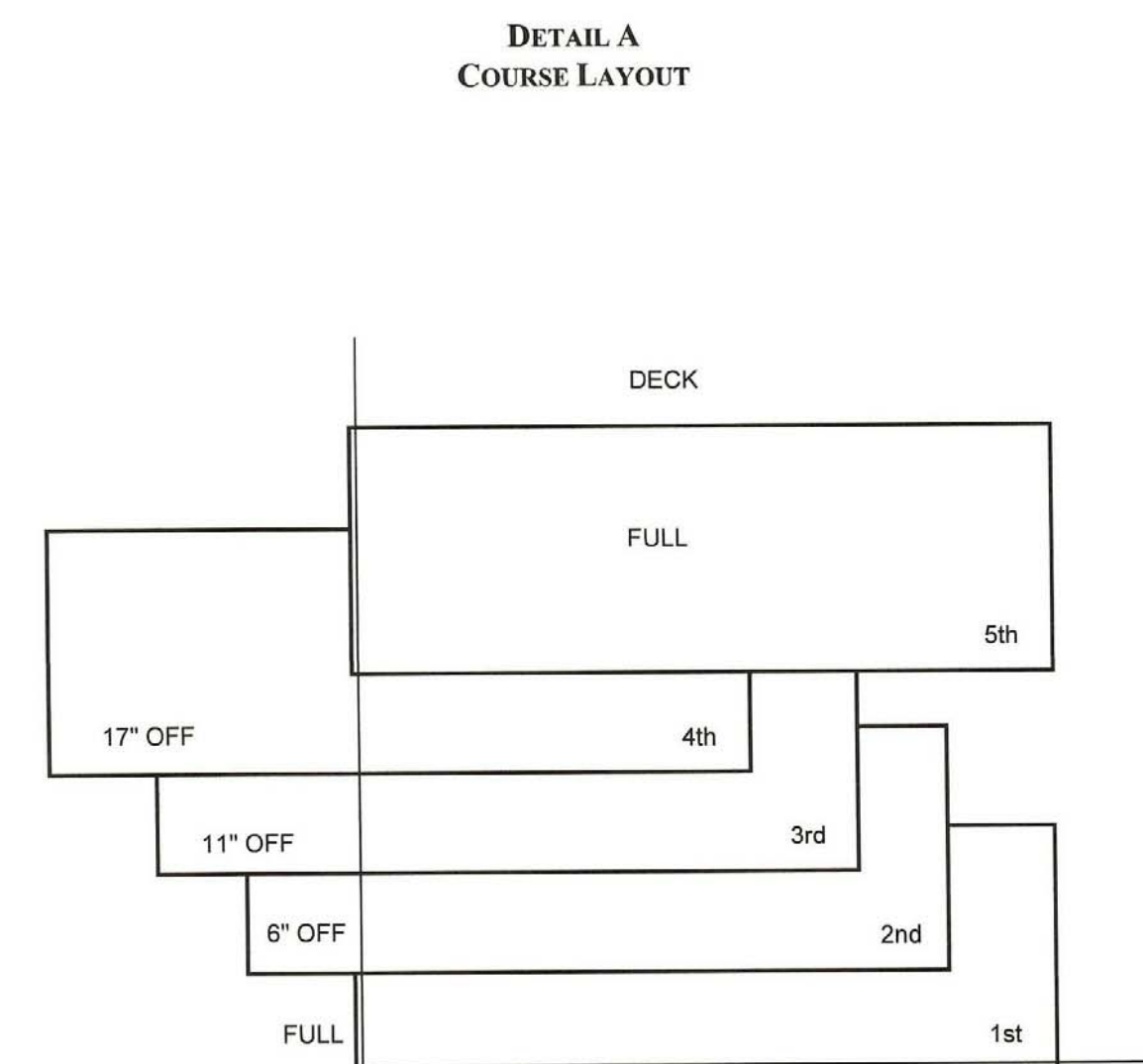
- Shingles shall be installed in compliance with Roofing Application Standard RAS 115.
- Flashing shall be in accordance with Roofing Application Standard RAS 115
- The manufacturer shall provide clearly written application instructions.
- Exposure and course layout shall be in compliance with Detail 'A', attached.
- Nailing shall be in compliance with Detail 'B', attached.

LABELING

Shingles shall bear the imprint or identifiable marking of the manufacturer's name or logo, city and state of manufacturing facility, and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

BUILDING PERMIT REQUIREMENTS

- Application for building permit shall be accompanied by copies of the following:
 - This Notice of Acceptance.
 - Any other documents required by the Building Official or the applicable code in order to properly evaluate the installation of this system.



ENHANCED NAILING PATTERN - six nails per shingle*
 *required by some local codes and required for enhanced wind coverage on certain products. See limited warranty for details.
 These shingles MUST be nailed a nominal 6" (152mm) from bottom of shingle, above the cut outs, as shown. Nails must not be exposed.

END OF THIS ACCEPTANCE



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NOA No.: 14-1022-20
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Color Availability Chart

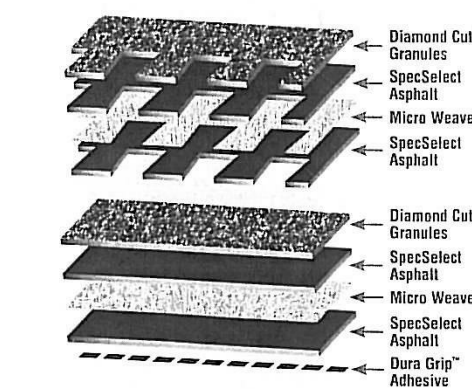


	Baltimore/Myerstown	Dallas/Emis	Michigan City	Minneapolis	Shafter	Tampa	Tuscaloosa
Most Popular Colors:	●	●	●	●	●	●	●
Barkwood	●	●	●	●	●	●	●
Charcoal	●	●	●	●	●	●	●
Hickory	●	●	●	●	●	●	●
Hunter Green	●	●	●	●	●	●	●
Shakewood	●	●	●	●	●	●	●
Slate	●	●	●	●	●	●	●
Weathered Wood	●	●	●	●	●	●	●
Regional Colors:							
Birchwood			●	●	●	●	●
Biscayne Blue	●						
Copper Canyon					●	●	●
Driftwood						●	●
Fox Hollow Gray	●		●	●			
Mission Brown	●		●	●	●		
Oyster Gray						●	●
Patriot Red	●		●				
Pewter Gray	●	●	●	●			●
Sienna Sunset						●	●
Sunset Brick						●	●
White							
Williamsburg Slide	●		●				



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The many protective layers of a Timberline® Shingle



- Fiberglass asphalt shingle
- Lifetime Ltd. transferable warranty*
- Smart Choice® Protection for the first 10 years*
- 130 mph Ltd. wind coverage†
- Listed Class A Fire - UL 790
- Passes ASTM D7198, Class H
- ASTM D3681 Type 1, Class F
- StainGuard® algae discoloration Ltd. warranty (available in most areas)
- ENERGY STAR® Qualified (white only)
- CSA-A123.5*
- ASTM D3681 Type 1
- ASTM D3682
- Miami-Dade County approved*
- Florida Building Code approved
- Texas Department of Insurance approved*
- ICC approved†
- Also classified in accordance with ICC ES AC438
- Approximately 64 Pounds/Sq.
- Approximately 3 Bundles/Square (Timberline® HD†)
- Approximately 4 Bundles/Square (Timberline® Ultra HD†)
- Approximately 256 Nails/Sq.
- 5 5/8" exposure

*See GAF Shingle & Accessory Ltd. Warranty for complete coverage and restrictions.
 †Requires special installation; see GAF Shingle & Accessory Ltd. Warranty for details.
 ‡Requires STAP® underlayment in U.S. only.
 ††Refer to shingle color in Canada only.
 †††Includes underlayment and related tabs to ensure compliance with ASTM D3681 at area of new installation.
 *Applies to some plants.



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NOA No.: 14-1022-20
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John J. McKenna Architect P.A.

600 N. WILLOW ST. SUITE 300
 TAMPA, FLORIDA 33606
 PHONE : 813.258.5559
 FLORIDA LICENSE - AA C001774
 E-MAIL : mckenna42@verizon.net

THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF JOHN J. MCKENNA ARCHITECT P.A.

Sheet Name : PRODUCT APPROVAL - ROOF
 Phase : PERMIT SET
 Revision :
 Date : 3.3.2017
 Drawn by : DC
 Checked by : JJM
 Plot Scale :
 Project Number : 1659

PA-3

FLORIDA DEPARTMENT OF Business & Professional Regulation

Product Approval

Product Approval Details

PL #	FL10124-R11										
Application Type	Revision										
Code Version	2010										
Application Status	Approved										
Comments											
Archived	<input type="checkbox"/>										
Product Manufacturer	GAF										
Address/Phone/Email	1361 Alps Road Wayne, NJ 07470 (973) 872-4421 lindareth@trinityerd.com										
Authorized Signature	Beth McSorley lindareth@trinityerd.com										
Technical Representative	Beth McSorley 1361 Alps Road - Bldg 11-1 Wayne, NJ 07470 (973) 872-4421 BMcSorley@gaf.com										
Quality Assurance Representative											
Address/Phone/Email											
Category	Roofing										
Subcategory	Asphalt Shingles										
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received <input type="checkbox"/> Evaluation Report - Hardcopy Received										
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen										
Florida License	PE-59166										
Quality Assurance Entity	UL LLC										
Quality Assurance Contract Expiration Date	05/03/2015										
Validated By	John W. Knezevich, PE <input type="checkbox"/> Validation Checklist - Hardcopy Received										
Certificate of Independence	FL10124-R11_COI_Trinity ERD CL - Nieminen - 2013.pdf										
Referenced Standard and Year (of Standard)	<table border="1"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM D3161 (Class F)</td> <td>2006</td> </tr> <tr> <td>ASTM D3462</td> <td>2007</td> </tr> <tr> <td>ASTM D7158 (Class H)</td> <td>2007</td> </tr> <tr> <td>TAS 107</td> <td>1995</td> </tr> </tbody> </table>	Standard	Year	ASTM D3161 (Class F)	2006	ASTM D3462	2007	ASTM D7158 (Class H)	2007	TAS 107	1995
Standard	Year										
ASTM D3161 (Class F)	2006										
ASTM D3462	2007										
ASTM D7158 (Class H)	2007										
TAS 107	1995										
Equivalence of Product Standards											

http://floridabuilding.org/pr/pr_app_dt.asp?param=wGEVXQwtDquracBeVCbdMQNZ... 2/13/2014

TRINITY ERD

Entity	Examination	Reference	Date
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA48725	12/09/2011
UL LLC (TST 9620)	ASTM D3462	12CA34991	10/12/2012
UL LLC (TST 9620)	ASTM D3161, D7158, D3462	12CA59151	02/15/2013
UL LLC (TST 9620)	ASTM D3161	12CA38083	02/26/2013
UL LLC (TST 9620)	ASTM D3161	13CA2332	06/18/2013
UL LLC (TST 9620)	ASTM D3161	13CA37934	08/02/2013
UL LLC (QUA 9625)	Quality Control	Inspection Report, File No. R21	09/03/2013

4. PRODUCT DESCRIPTION:

4.1 Marquis WeatherMax, Royal Sovereign and Sentinel are a fiberglass reinforced, 3-tab asphalt roof shingles.

4.2 Camelot, Camelot II, Capstone, Country Mansion, Country Mansion II, Grand Canyon, Grand Sequoia, Grand Sequoia IR, Grand Slate, Grand Slate II, Monaco, Siena, Timberline American Harvest, Timberline ArmorShield II, Timberline Natural Shadow, Timberline Natural Shadow Arctic White, Timberline HD, Timberline Cool Series, Timberline Ultra HD and Woodland are fiberglass reinforced, laminated asphalt roof shingles.

4.3 Slateline is a fiberglass reinforced, 5-tab asphalt roof shingle.

4.4 Seal-A-Ridge, Seal-A-Ridge Armorshield, Seal-A-Ridge IR and Timberxet Hip and Ridge are fiberglass reinforced, hip and ridge asphalt roof shingles.

4.5 Pro-Start Starter Strip Shingles and Weatherblocker Starter Strip Shingles are a starter strips for asphalt roof shingles.

5. LIMITATIONS:

5.1 This Evaluation Report is not for use in the HVHZ.

5.2 Fire Classification is not part of this Evaluation Report; refer to current Approved Roofing Materials Directory for fire ratings of this product.

5.3 Wind Classification:

5.3.1 All GAF shingles noted herein are Classified in accordance with FBC Tables 1507.2.7.1 and R905.2.6.1 to ASTM D3161, Class F and/or ASTM D7158, Class H, indicating the shingles are acceptable for us in all wind zones up to $V_{wz} = 150$ mph ($V_{wz} = 194$ mph). Refer to Section 6 for installation requirements to meet this wind rating.

5.3.2 All GAF hip & ridge shingles noted herein are Classified in accordance with FBC Tables 1507.2.7.1 and R905.2.6.1 to ASTM D3161, Class F, indicating the shingles are acceptable for us in all wind zones up to $V_{wz} = 150$ mph ($V_{wz} = 194$ mph). Refer to Section 6 for installation requirements to meet this wind rating.

5.3.3 Classification by ASTM D7158 applies to exposure category B or C and a building height of 60 feet or less. Calculations by a qualified design professional are required for conditions outside these limitations. Contact the shingle manufacturer for data specific to each shingle.

5.4 All products in the roof assembly shall have quality assurance audit in accordance with the Florida Building Code and F.A.C. Rule 9N-3.

Exterior Research and Design, LLC.
Certificate of Authorization #9503

Evaluation Report 01506.01.08-R13
FL10124-R11
Revision 13: 08/29/2013
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EVALUATION REPORT

GAF
1361 Alps Road, Building 7-3
Wayne, NJ 07470

EXTERIOR RESEARCH & DESIGN, LLC.
Certificate of Authorization #9503
353 CHRISTIAN STREET, UNIT #13
OXFORD, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

Evaluation Report 01506.01.08-R13
FL10124-R11
Date of Issuance: 01/03/2008
Revision 13: 08/29/2013

SCOPE:

This Evaluation Report is issued under Rule 9N-3 and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code and Florida Building Code, Residential Volume. The products described herein have been designed to comply with the 2010 Florida Building Code sections noted herein.

DESCRIPTION: GAF Asphalt Roof Shingles

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. if the product changes or the referenced Quality Assurance documentation changes. TrinityERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Evaluation Report number preceded by the words "TrinityERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

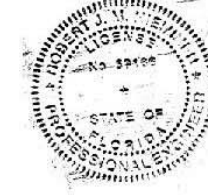
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 5.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ABE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 08/29/2013. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Florida Department of Business and Professional Regulation and to the named client.

CERTIFICATION OF INDEPENDENCE:

- Trinity ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- Trinity ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
- Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
- Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

6. INSTALLATION:

6.1 Underlayment:

6.1.1 Underlayment shall be acceptable to GAF and shall hold current Florida Statewide Product Approval, or be Locally Approved per Rule 9N-3, per FBC Sections 1507.2.3, 1507.2.4 or R905.2.3.

6.2 Starter Shingles:

6.2.1 Installation of Pro-Start Starter Strip Shingles and Weatherblocker Starter Strip Shingles shall comply with the manufacturer's current published instructions.

6.3 Asphalt Shingles:

6.3.1 Installation of asphalt shingles shall comply with the manufacturer's current published instructions, using minimum four (4) nails per shingle in accordance with FBC Sections 1507.2 or R905.2, with the following exceptions:

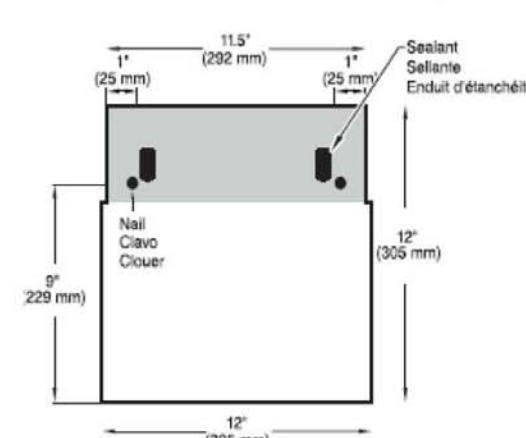
- Camelot, Camelot II, Grand Canyon, Grand Sequoia, Grand Sequoia IR, Grand Slate, Grand Slate II and Woodland require minimum five (5) nails per shingle.
- Slateline requires minimum six (6) nails per shingle.

6.3.2 Fasteners shall be in accordance with manufacturer's published requirements, but not less than FBC 1507.2.6 or R905.2.5. Staples are not permitted.

6.3.3 Where the roof slope exceeds 21 units vertical in 12 units horizontal, special methods of fastening are required. Contact the shingle manufacturer for details.

6.4 Hip & Ridge Shingles:

6.4.1 Installation of Seal-A-Ridge, Seal-A-Ridge Armorshield and Seal-A-Ridge IR asphalt shingles shall comply with the manufacturer's current published instructions with a minimum two (2) nails, minimum 3/8-inch head diameter, per shingle and nominal 0.25-inch diameter beads of Henkel "Loctite PL S30 Roof & Flashing Sealant".



Exterior Research and Design, LLC.
Certificate of Authorization #9503

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ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing

Sub-Category: Asphalt Shingles

Compliance Statement: GAF Asphalt Roof Shingles, as produced by GAF, have demonstrated compliance with the following sections of the Florida Building Code and Florida Building Code, Residential Volume through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1507.2.5, R905.2.4	Physical Properties	ASTM D3462	2007
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D3161, Class F	2006
1507.2.7.1, R905.2.6.1	Wind Resistance	ASTM D7158, Class H	2007
1507.2.7.1, R905.2.6.1	Wind Resistance	TAS 107	1995

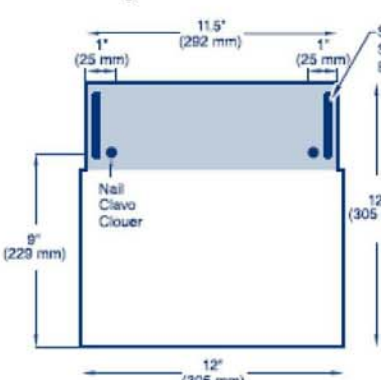
3. REFERENCES:

Entity	Examination	Reference	Date
GAF (D0H 1215)	Letter of Equivalency	Seal-A-Ridge Impact Resistant IR	01/13/2012
PRI (TST 5878)	ASTM D3462	GA-F09-02-01	09/02/2004
PRI (TST 5878)	ASTM D3462	GA-F09-02-01	05/25/2005
UL (TST 1740)	Wind Driven Rain	44F407-05-01	03/21/2013
UL (TST 1740)	ASTM D3462	93NK6295	11/29/1993
UL (TST 1740)	ASTM D3462	99NK6335	03/29/2000
UL (TST 1740)	TAS 107	94NK9632	03/29/2000
UL (TST 1740)	ASTM D3462	01H064632	02/02/2001
UL (TST 1740)	ASTM D3161, TAS 107	01NK9226	05/21/2001
UL (TST 1740)	ASTM D3161	01NK37122	12/18/2001
UL (TST 1740)	ASTM D3462	01NK37122	12/18/2001
UL (TST 1740)	ASTM D3161, TAS 107	02NK12980	04/10/2002
UL (TST 1740)	ASTM D3161, TAS 107	02NK12980	09/09/2002
UL (TST 1740)	ASTM D3161	03CA3567	03/11/2003
UL (TST 1740)	ASTM D3462	03NK24444	10/17/2003
UL (TST 1740)	ASTM D3462	04NK13850	06/07/2004
UL (TST 1740)	ASTM D3161	04NK13850	06/23/2004
UL (TST 1740)	ASTM D3161	04NK2546	03/10/2005
UL (TST 1740)	ASTM D3462	04NK2009	05/06/2005
UL (TST 1740)	ASTM D3161	04NK2009	05/06/2005
UL (TST 1740)	ASTM D3462	05NK2924	02/10/2006
UL (TST 1740)	ASTM D3161	05NK2924	02/10/2006
UL (TST 1740)	ASTM D3161, D3462	06CA18077	06/05/2006
UL (TST 1740)	ASTM D3161, D3462	06CA18074	06/16/2006
UL (TST 1740)	ASTM D3161, D3462	06CA33251	10/18/2006
UL (TST 1740)	ASTM D3462	06CA31603	12/01/2006
UL (TST 1740)	ASTM D3161, D3462	06CA41095	12/27/2006
UL (TST 1740)	ASTM D3161	07NK05228	03/11/2007
UL (TST 1740)	ASTM D3161	06CA31611	04/04/2007
UL (TST 1740)	ASTM D3161	06CA61148	04/09/2007
UL (TST 1740)	ASTM D3161, D3462	07CA31742	11/08/2007
UL (TST 1740)	ASTM D3161, D7158, D3462	08CA06300	03/13/2008
UL (TST 1740)	ASTM D3161, D3462	07CA59088	04/01/2008
UL (TST 1740)	ASTM D3161, D3462	09CA05992	03/26/2009
UL (TST 1740)	ASTM D3161, D3462	09CA06856	05/15/2009
UL (TST 1740)	ASTM D3161, D7158, D3462	09H006447	08/01/2009
UL (TST 1740)	ASTM D3161, D7158, D3462	09CA27281	08/27/2009
UL (TST 1740)	ASTM D3161, D7158, D3462	10CA35584	03/05/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10CA13686	05/13/2010
UL (TST 1740)	ASTM D3462	10CA07264	05/27/2010
UL (TST 1740)	ASTM D3462	10CA11953	10/29/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10NK11951	10/30/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	10NK13070	11/04/2010
UL (TST 1740)	ASTM D3161, D7158, D3462	08CA06100	03/30/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	10CA59394	03/31/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA48924	10/22/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA47919	12/03/2011
UL (TST 1740)	ASTM D3161, D7158, D3462	11CA46408	12/08/2011

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Certificate of Authorization #9503

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6.4.2 Installation of Timberxet Hip and Ridge asphalt shingles shall comply with the manufacturer's current published instructions with a minimum two (2) nails, minimum 3/8-inch head diameter, per shingle and beads of Sonneborn NPI Gun Grade Polyurethane Sealant or Henkel PL Roofing and Flashing Sealant.



6.4.3 Fasteners shall be in accordance with the manufacturer's published requirements, but not less than FBC 1507.2.6 or R905.2.5. Staples are not permitted.

7. LABELING:

7.1 Each unit shall bear a permanent label with the manufacturer's name, logo, city, state and logo of the Accredited Quality Assurance Agency noted herein.

7.2 Asphalt shingle wrappers shall indicate compliance with one of the required classifications detailed in FBC Table 1507.2.7.1 / R905.2.6.1.

8. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

9. MANUFACTURING PLANTS:

Contact the named QA entity for information on which plants produce products covered by Florida Rule 9N-3 QA requirements.

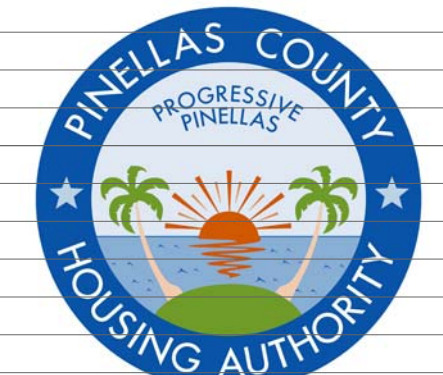
10. QUALITY ASSURANCE ENTITY:

UL LLC - QUA9625; (847) 664-3281

END OF EVALUATION REPORT -

Exterior Research and Design, LLC.
Certificate of Authorization #9503

Evaluation Report 01506.01.08-R13
FL10124-R11
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Page 5 of 5



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

John J. McKenna
Architect P.A.

600 N. WILLOW ST. SUITE 300
TAMPA, FLORIDA 33606
PHONE: 813.258.5559
FLORIDA LICENSE - AA C001774
E-MAIL: mckenna42@verizon.net

THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF JOHN J. MCKENNA ARCHITECT P.A.

Sheet Name: PRODUCT APPROVAL - ROOF

Phase: PERMIT SET

Revision:

Date: 3.3.2017

Drawn by: DC

Checked by: JJM

Plot Scale:

Project Number: 1659



STRUCTURAL SPECIFICATIONS

- I. GENERAL**
- SUBCONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO ENSURE THE SAFETY OF THE BUILDING UNTIL STRUCTURAL SYSTEM IS COMPLETED. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, SHORING, GUYS TO TIE-DOWNS THAT MAY BE NECESSARY.
 - SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF HIS WORK DURING CONSTRUCTION.
 - APPLICABLE BUILDING CODES: FLORIDA BUILDING CODE (2014). DRAWINGS ARE CENTERED FOR STRUCTURAL PORTION ONLY THAT INCLUDES FOUNDATION SYSTEMS, BEAMS, POSTS, SHEAR WALLS, STRUCTURAL CONNECTORS, REQUIRED WIND DESIGN PRESSURES, FASTENERS, SHEATHING MATERIAL AND THICKNESS, WALL STRUCTURAL ELEMENTS, HEADERS OVER WINDOWS, REINFORCED CONCRETE, STEEL FRAMING, WOOD FRAMING, MASONRY SIZES AND REINFORCEMENT, AND SPECIFICATIONS DESCRIBED HEREIN.
 - DESIGN LOADS:
 - A. ROOF:
 - a) LIVE LOAD 20 PSF
 - b) DEAD LOAD 10 PSF (SHINGLES & METAL)
 - (i) 20 PSF (TILE)
 - B. UNINHABITABLE ATTICS WITH LIMITED STORAGE
 - a) LIVE LOAD 20 PSF
 - b) DEAD LOAD 10 PSF
 - C. FLOOR:
 - a) BALCONIES LIVE LOAD 60 PSF
 - b) ALL OTHER ROOMS LIVE LOAD 40 PSF
 - c) DEAD LOAD 10 PSF
 - d) SNOW AND SEISMIC LOAD: NONE
 - STRUCTURAL MEMBER ALLOWABLE DEFLECTION
 - A. RAFTERS HAVING SLOPES GREATER THAN 3:12 WITH NO FINISHED CEILING ATTACHED TO RAFTERS 1/180
 - B. INTERIOR WALLS AND PARTITIONS 1/180
 - C. FLOORS AND FINISHED CEILINGS 1/360
 - D. ALL OTHER STRUCTURAL MEMBERS 1/240
 - E. EXTERIOR WALLS 1/360
 - F. LINTELS SUPPORTING MASONRY VENEER WALLS 1/600
 - ALL CONTRACTORS, SUBCONTRACTORS, SUPPLIERS AND FABRICATORS SHALL BE RESPONSIBLE FOR THE CONTENT OF DRAWINGS, AND FOR THE SUPPLY AND DESIGN OF APPROPRIATE MATERIALS AND WORK PERFORMANCE.
 - ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, ERECTED, USED, CLEANED, AND CONDITIONED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - ALL STUCCO FINISH SHALL BE APPLIED AS PER ASTM C926 AND CONTROL JOINTS PROVIDED AS PER ASTM C1063. CURING TIME AS PER SECTION R704.6.5 OF THE FLORIDA BUILDING CODE 5TH EDITION (2014).

- II. SITE WORK**
- FOUNDATION DESIGN IS BASED ON A MINIMUM SOIL PRESSURE INDICATED ON THE FOUNDATION PLAN. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW RECOMMENDATIONS INCLUDED IN THE RESPECTIVE GEOTECHNICAL REPORT AND SHALL CONFIRM THE SOIL CONDITIONS. SHOULD FIELD CONDITIONS INDICATE THIS MINIMUM CONDITION DOES NOT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF RECORD.
 - THE SUBGRADE UNDER THE NEW CONCRETE FOUNDATIONS SHALL BE COMPACTED TO 95% OPTIMUM DENSITY. SOIL COMPACTION TESTS TO BE TAKEN BY A QUALIFIED SOILS LAB PRIOR TO POURING ANY CONCRETE.
 - FOOTINGS SHALL BE NEAT EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTINGS EXCAVATION SHALL BE OPEN CUT WITH EDGES FORMED AND BRACED. ALL FOOTINGS WITH FORMED EDGES SHALL BE BACKFILLED FROM BOTTOM TO TOP OF FOOTING WITH SELLS FILL. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE.

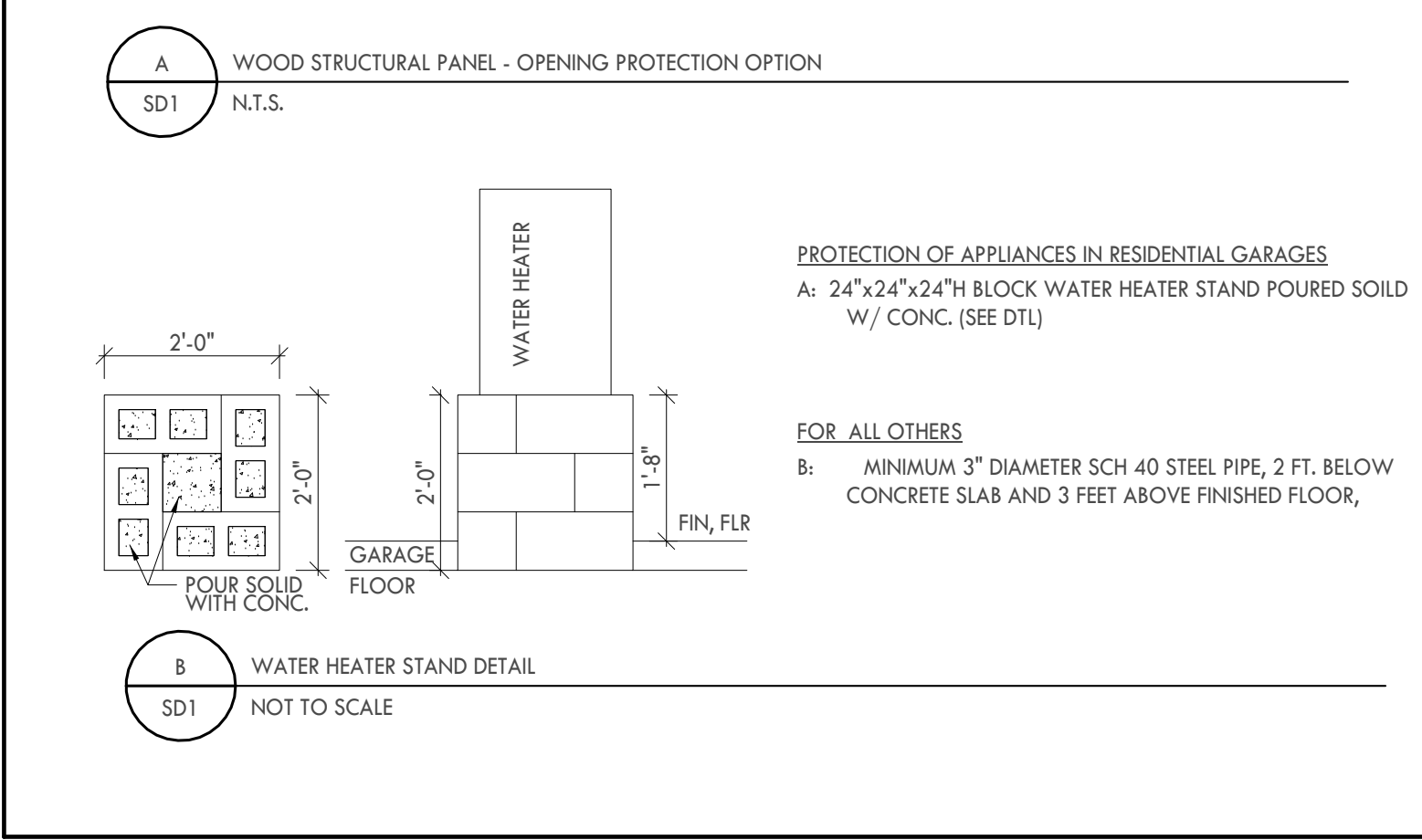
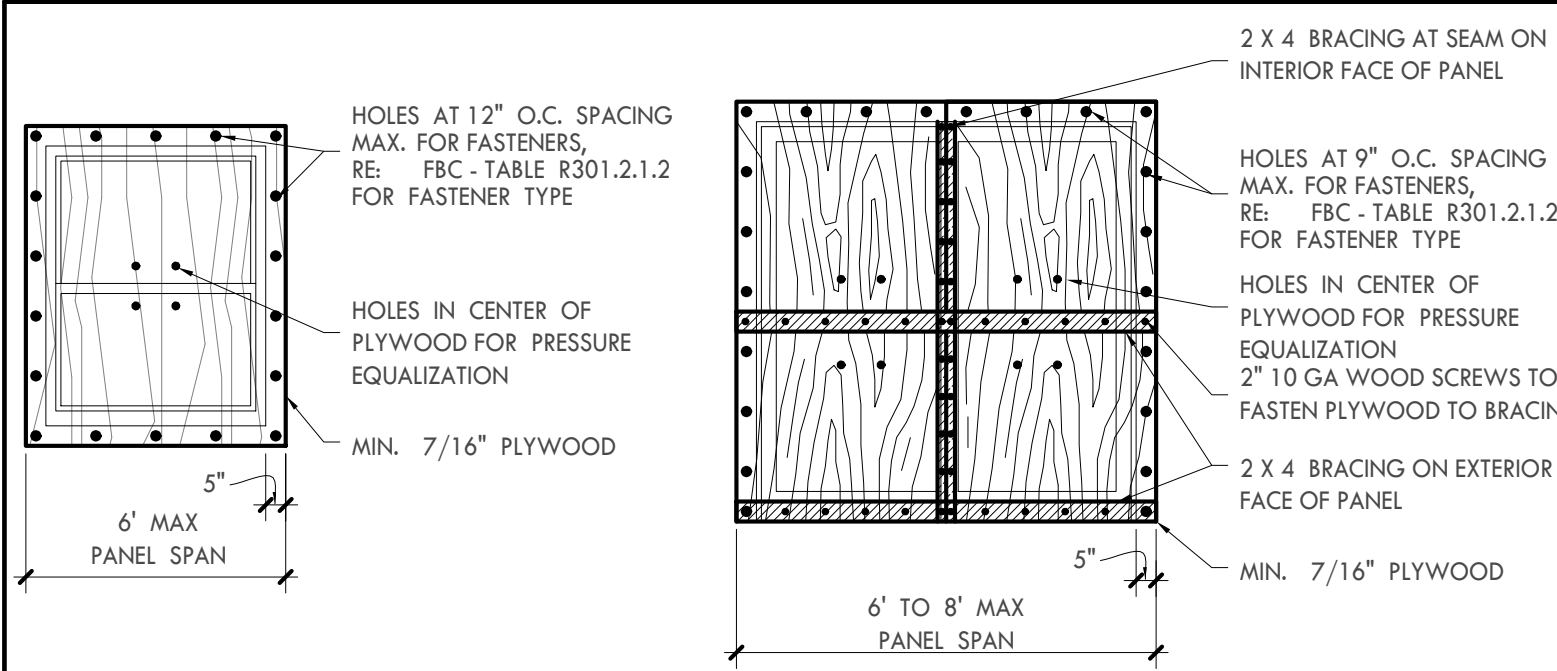
- III. CAST IN PLACE CONCRETE**
- CONCRETE TO BE NORMAL WEIGHT WITH THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
 - A. FOOTINGS, SLAB-ON-GRADE, SLAB FILL: 2500 PSI
 - B. MASONRY WALL TIE BEAMS, TIE COLUMNS: 2500 PSI
 - C. REINFORCED CONCRETE BEAMS AND COLUMNS: 3000 PSI
 - CONCRETE SHALL BE READY-MIX PER ASTM C94:
 - A. PORTLAND CEMENT - ASTM C150
 - B. AGGREGATES - ASTM C33 (3/4" MAX.)
 - C. NO CALCIUM CHLORIDE
 - D. AIR ENTRAINING - ASTM C260
 - E. WATER REDUCING - ASTM C494
 - F. FLYASH - ASTM C618-78 CLASS F 20
 - G. WATER - CLEAN AND POTABLE
 - REINFORCING STEEL: ASTM A615 GRADE 40, DEFORMED BARS.
 - REQUIRED SLUMP RANGE = 3" TO 5".
 - WELDED WIRE FABRIC: ASTM A185
 - MOISTURE BARRIER: 6 MIL POLYETHYLENE.
 - CODES AND STANDARDS:
 - A. ACI 301 "SPEC FOR STRUCTURAL CONCRETE FOR BUILDINGS"
 - B. ACI 305 "RECOMMENDED PRACTICES FOR HOT WEATHER CONCRETING"
 - C. ACI 318 "BLDG. CODE REQUIREMENTS FOR REINF. CONCRETE"
 - D. ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
 - E. MINIMUM LAP SPICE = 40 BAR DIAMETERS UNLESS NOTED OTHERWISE.
 - F. CONCRETE FINISHES SHALL BE PER CONTRACTOR'S SPEC'S.

- SUBCONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN AND CONSTRUCTION OF ALL FORMWORK, SHORING, AND RESHORING.
 - REINFORCING BAR COVER:
 - A. FOOTINGS 3"
 - B. COLUMNS 1 1/2"
 - C. BEAMS AND WALLS 1 1/2"
 - D. SLABS 3/4" (INTERIOR), 1 1/2" (EXTERIOR)
 - CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCH TIME.
 - PROVIDE CORNER BARS AT ALL WALL FOOTING AND BEAM CORNERS TO MATCH HORIZONTAL BARS. (25" MINIMUM LAP FOR #5 BARS, OTHERS AS PER ACI 318)
 - ALL BUILDING SLABS-ON-GRADE SHALL BE NOMINAL 4" THICK, REINFORCED WITH 6x6-W1.4 W.V.F. ON 6 MIL VAPOR BARRIER. SEE PLANS FOR OTHER CONDITIONS AND SIZES. NO FIBERMESH ALLOWED UNLESS OTHERWISE NOTED ON THE FOUNDATION PLAN
 - ANCHOR BOLTS FOR WOOD LEDGERS AND PLATES TO CONCRETE OR MASONRY (OPTIONS)
 - A. J. BOLTS - USE 1/2" X 8" 7" BOLTS WITH 6" EMBEDMENT AND 2" PROJECTION WHEN INSTALLED PRIOR TO PLACING CONCRETE AS SHOWN ON DRAWINGS.
 - B. EXPANSION ANCHORS - USE 1/2" X 4" EMBED, HILTI KWIK BOLT II, OR EQUAL, AT LOCATIONS (OTHER THAN EDGE CONDITIONS) IN LIEU OF 1/2" X 8" 7" BOLTS.
 - C. EPOXY ANCHORS IN CONCRETE - USE 1/2" X 4-1/4" IMBED, WITH HILTI C100, OR ANCHOR BOND BY CELITE, INC., AT EDGE OF SLAB CONDITION WHERE BOLT IS LESS THAN 6" TO A CONCRETE EDGE.
 - D. EPOXY ANCHORS IN TOP OF BLOCK WALLS - USE THREADED ROD (3/4" X A6-5/8" IMBED) ON TOP OF 8" MASONRY WALLS WITH HILTI HIT C-100 ADHESIVE OR ANCHOR BOND, WHEN 1/2" X 8" J BOLTS ARE OMITTED.
 - FOOTING SIZES SHOWN ARE TYPICAL ONLY FOR STATED SOIL BEARING PRESSURE AND CONSISTED COMPACTION. CONTRACTOR SHALL BE RESPONSIBLE FOR FOOTINGS COMPLYING WITH THE DESIGN REQUIREMENTS OF SPECIFIC SOIL CONDITIONS.
 - PROVIDE 1/2" EXPANSION JOINT MATERIAL BETWEEN ALL CONCRETE SLABS AND ABUTTING CONCRETE OR MASONRY WALLS OCCURRING IN EXTERIOR OR UNHEATED AREAS.
 - PROVIDE 1/4" SAW CUT EXPANSION JOINTS ON SLABS SPACED AT NO MORE THAN 18 FEET ON CENTER EACH WAY AND AS SHOWN ON PLANS

- IV. MASONRY**
- HOLLOW LOAD BEARING UNITS (CMU) SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE I, GRADE N. MINIMUM NET COMPRESSIVE STRENGTH = 1900 PSI.
 - MORTAR SHALL BE TYPE M OR S AND CONFORM TO ASTM C270.
 - CONCRETE GROUT SHALL CONFORM TO ASTM C476:
 - A. 2,500 PSI AT 28 DAYS.
 - B. 3/8" MAXIMUM AGGREGATE.
 - C. 2" 11" SLUMP.
 - BARS SHALL HAVE MINIMUM CLEARANCE OF 1/2" FROM MASONRY. THE CLEAR DISTANCE BETWEEN BARS SHALL NOT BE LESS THAN ONE BAR DIAMETER, NOR LESS THAN 1".
 - VERTICAL REINFORCING SHALL BE AT ALL CORNERS, EACH JAMB OF OPENINGS, UNDER ALL GIRDER LOADS, AND NOT TO EXCEED 60" O/C FOR STRAIGHT WALLS, OR AS SHOWN ON THE DRAWINGS. FILL CELLS WITH CONCRETE GROUT AS SPECIFIED. PROVIDE ACI 318 90 DEGREE STANDARD HOOKS INTO FOOTING, AND THE BEAMS.
 - REINFORCING BARS SHALL BE STRAIGHT EXCEPT FOR BENDS AROUND CORNERS AND WHERE BENDS OR HOOKS ARE DETAILED ON THE PLANS.
 - REINFORCING BARS SHALL BE LAPPED 40 BAR DIAMETERS WHERE SPICED AND SHALL BE WIRED TOGETHER.
 - WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICAL. DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT.
 - CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE OF MASONRY IN EACH GROUT FOUR WHEN THE POUR HEIGHT EXCEEDS 5'. PROVIDE 4" X 4" OBSERVATION HOLE TO VERIFY CONCRETE GROUT PLACEMENT.
 - PLACE ALL MASONRY IN RUNNING BOND WITH 3/8" MORTAR JOINTS. PROVIDE COMPLETE COVERAGE FACE SHELL MORTAR BEDDING, HORIZONTAL AND VERTICAL. FULLY MORTAR WEBS IN ALL COURSES OF PIERS, COLUMNS, AND PILASTERS AND ADJACENT TO GROUTED CELLS.
 - PROVIDE 8" X 8" PRECAST REINFORCED CONCRETE LINTELS OVER ALL MASONRY OPENINGS NOT SHOWN TO HAVE A STRUCTURAL BEAM. MINIMUM END BEARING = 4" REFER TO LINTEL SCHEDULE (MINIMUM CAPACITY OF 1000 LBF).
 - PROVIDE METAL CAVITY CAPS, 6" WIRE MESH, OR EQUAL PRODUCTS, INC., WHERE REQUIRED TO RETAIN GROUT IN VERTICAL CELLS.
 - PROVIDE HORIZONTAL REINFORCEMENT AT EVERY OTHER COURSE USING 120 TRUSS MESH BY HOHMANN & BARNARD.

- V. CARPENTRY**
- DIMENSIONED LUMBER SHALL BE DRESSED S4S, AND SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.
 - ALL LUMBER SHALL BE SOUND, SEASONED, AND FREE FROM WARP.
 - ALL STRUCTURAL BEAMS AND HEADERS SHALL BE SOUTHERN YELLOW PINE (SYP.) NO. 1 GRADE OR BETTER, WITH SINGLE MEMBERS (UNFACTORED) STRESSES AS FOLLOWS:
 - a) $f_c = 90$ PSI
 - b) $f_t = 975$ PSI
 - c) $E = 1,600,000$ PSI
 - d) 1% MAXIMUM MOISTURE CONTENT
 - FRAMING LUMBER SHALL BE #2 SPRUCE-PINE-FIR OR BETTER.
 - INTERIOR NON-LOAD BEARING WALLS MAY BE UTILITY GRADE.
 - LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.
 - PRESSURE TREATED LUMBER SHALL BE PROVIDED IN ACCORDANCE WITH THE AMERICAN WOOD PROTECTION ASSOCIATION LATEST STANDARDS.
 - SHEATHING FOR ROOFS AND WALLS SHALL BE APA RATED [EXPOSURE 1] SHEATHING WITH EXTERIOR GLUE. ALL ROOF SHEATHING TO BE INSTALLED WITH PLYCLIPS. (MAXIMUM 24" O/C). THICKNESS TO BE MINIMUM 7/16" FOR SHINGLE ROOF AND 1/2" FOR TILE ROOF.
 - NAILING FOR PLYWOOD ROOFS AND WALL SHEATHING SHALL BE 8D RING SHANK @ 4" O.C. @ PANEL EDGES, AND 6" O.C. INTERMEDIATE, FOR 1/2" SHEATHING OR LESS. NAILING FOR STRUCTURALLY APPROVED ARCHITECTURAL WALL PANELS (1/4") SHALL BE 6D COMMON @ 4" O/C @ PANEL EDGES, AND 6" O/C INTERMEDIATE.
 - ALL FLOORING MATERIAL TO BE 3/4" T&G PLYWOOD, NAILED AND GLUED TO FLOOR JOISTS. FLOOR NAIL WITH 10d NAILS AT 3" O/C AT PANEL EDGES, 6" O/C IN THE FIELD. STAGGER NAILS AT 2" O/C AT BUTT ENDS OF PLYWOOD SHEATHING.
 - INSTALL BRIDGING IN ALL (2X) FLOOR OR ROOF JOISTS AT 8'-0" MAXIMUM. INSTALL BLOCKING IN ALL BEARING WALLS AND PARTITIONS OVER 9'-0" @ MID-HEIGHT. BRACE GABLE END WALLS AT 40" O/C WHERE WALL FRAMING IS NOT CONTINUOUS FROM FOUNDATION TO ROOF, OR AS SHOWN ON DRAWINGS.
 - ALL NAILING AND BOLTING SHALL COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION REQUIREMENTS. ALL NAILS EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED.
 - ALL CONNECTION HARDWARE SHALL BE GALVANIZED AND SUPPLIED BY SIMPSON STRONG-TIE CO., OR EQUIVALENT. SUBMIT CUT SHEETS FOR ALL CONNECTION HARDWARE TO CONTRACTOR FOR APPROVAL. ALL NAIL HOLES SHALL BE FILLED OR AS PRESCRIBED BY THE MANUFACTURER.
 - PROVIDE A SINGLE PLATE AT THE BOTTOM AND DOUBLE PLATE AT THE TOP OF ALL LOAD BEARING STUD WALLS. STAGGER END JOINTS IN DOUBLE PLATES AT LEAST 4'-0" PER DETAIL. 2 X 4 SILL PLATES FOR BEARING WALLS SHALL BE BOLTED TO FOUNDATION AS PER BEARING WALL DETAIL.
 - LOAD BEARING STUDS SHALL BE DOUBLED AT ALL ANGLES AND AROUND ALL OPENINGS, AND AT STRUCTURALLY APPROVED ARCHITECTURAL WALL PANEL JOINTS. STUDS SHALL BE TRIPLED AT ALL CORNERS.
 - WOOD LINTELS OVER OPENINGS SHALL BE DOUBLED 2X12 HEADERS UNLESS NOTED OTHERWISE ON PLANS, WITH CONTINUOUS 1/2" PLYWOOD FILLER CUT TO FULL DEPTH OF BEAM BETWEEN 2x MEMBERS. MEMBER SIZE MAXIMUM SPAN (SYP #1)
 - A. 2 X 4 6 FT.
 - B. 2 X 6 8 FT.
 - C. 2 X 8 10 FT.
 - D. 2 X 10 12 FT.
 - E. 2 X 12 14 FT.
 - NOTE 1: RAFTERS MUST BE BRACED LATERALLY BY A CONTINUOUS NAILING OF SHEATHING OR BRACED AT 24" O/C, WITH MINIMUM 1x4.
 - NOTE 2: RAFTER SPACING NOT TO EXCEED 24" O/C.
 - NOTE 3: RIDGE BOARDS TO BE ONE SIZE LARGER THAN RAFTER UNLESS OTHERWISE NOTED ON PLANS.
 - NOTE 4: CONNECTOR SCHEDULE
 - (1) SIMPSON MTS20 (OR EQUAL) BETWEEN CAT BLOCKING AND ROOF TRUSSES.
 - (2) SIMPSON HS (OR EQUAL) BETWEEN RAFTER TAILS TO CAT BLOCKING.
 - (3) SIMPSON HS (OR EQUAL) BETWEEN THE RAFTERS AND RIDGE BOARD.
 - (4) SIMPSON CS20 AT ENDS OF RIDGE BOARD, OR SIMPSON JOIST HANGER WHERE APPLICABLE.

- VI. PRE-ENGINEERED WOOD TRUSSES**
- THIS SECTION DEFINES PRE-ENGINEERED, PREFABRICATED, METAL PLATE CONNECTED WOOD ROOF AND FLOOR TRUSSES AS "WOOD TRUSSES".
 - TRUSS LAYOUTS SHOWN ON PLANS ARE SCHEMATIC ONLY. TRUSS MANUFACTURER AND/OR ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND SPACING OF ALL TRUSSES AND SHALL SUBMIT SHOP DRAWINGS TO THE BUILDER FOR APPROVAL.
 - THE WOOD TRUSS MANUFACTURER MUST PARTICIPATE IN A CODE APPROVED THIRD PARTY QUALITY ASSURANCE PROGRAM SUCH AS THE TRUSS PLATE INSTITUTE'S "QUALITY CONTROL INSPECTION PROGRAM" OR EQUIVALENT.
 - WOOD TRUSS MEMBERS AND CONNECTIONS SHALL BE DESIGNED FOR ALL LOADS SHOWN ON THE CONTRACT DOCUMENTS INCLUDING: LIVE, DEAD, AND CONCENTRATED LOADS, PLUS WIND LOADS.
 - REFER TO THE LOAD PLAN AND OTHER STRUCTURAL DETAIL SHEETS FOR IMPORTANT INFORMATION NOT SPECIFICALLY ADDRESSED BY THE TRUSS FRAMING LAYOUT SUCH AS BEARING WALL HEIGHTS AND CEILING VAULT DETAILS.
 - WOOD TRUSS DESIGN SHOP DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING INFORMATION:
 - A. SPAN LENGTH, OVERHANG AND EAVE DIMENSIONS, SLOPE AND SPACING OF THE WOOD TRUSSES.
 - B. ALL DESIGN LOADS AND THEIR POINTS OF APPLICATION, VALLEY AND CONVENTIONAL FRAMING MUST BE CONSIDERED.
 - C. ADJUSTMENTS TO ALLOWABLE VALUES.
 - D. REACTIVATE FORCES AND THEIR LOCATIONS.
 - E. BEARING TYPE AND MINIMUM BEARING LENGTH.
 - F. DEFLECTIONS.
 - G. METAL CONNECTOR PLATE TYPE, GAUGE, SIZE, AND LOCATION.
 - H. LUMBER SIZE, SPECIES, GRADE AND MOISTURE CONTENT.
 - I. LOCATION AND CONNECTION DESIGN OF REQUIRED CONTINUOUS LATERAL BRACING.
 - J. NET UPLIFT LOADS BASED ON ACTUAL BUILDING DEAD LOAD.
 - K. WEB REINFORCEMENT DETAILS FOR GABLE END TRUSSES.
 - L. VALLEY SETS FOR OVER-BUILD CONDITIONS.
 - LIMIT DEFLECTIONS FOR LIVE LOAD TO SPAN/360 (ROOF), SPAN/480 (FLOOR), AND LIMIT TOTAL LOAD DEFLECTIONS TO SPAN/240 (ROOF), SPAN/360 (FLOOR) UNLESS SPECIFICALLY NOTED OTHERWISE.
 - FIRE RETARDANT WOOD SHALL NOT BE ALLOWABLE FOR USE AS TRUSS CHORDS OR WEBS.
 - WOOD TRUSSES SHALL BE DESIGNED SO THAT MINIMAL HORIZONTAL REACTIONS ARE IMPOSED ON THE SUPPORTING STRUCTURE UNDER VERTICAL LOADS. NO SLIP CONNECTIONS ARE ALLOWED UNLESS OTHERWISE NOTED. CONTACT CONTRACTOR AS REQUIRED.
 - WOOD TRUSSES MUST BE CHECKED FOR WIND WIND VELOCITY, DESIGN VELOCITY PRESSURES, AND MEAN ROOF HEIGHT MUST BE SHOWN ON THE SUBMITTED SHOP DRAWINGS.
 - CONTINUOUS BOTTOM CHORD LATERAL BRACING IS REQUIRED AT A MINIMUM SPACING OF 10' O.C. UNLESS NOTED OTHERWISE. BOTTOM CHORD BRACING IS CONTINUOUS FROM ONE END OF THE BUILDING TO THE OTHER END. OVERLAP CONTINUOUS BRACING AT LEAST ONE TRUSS SPACE. USE A MINIMUM OF 2X4 (ROOF), 2X6 (FLOOR) GRADE MARKED LUMBER AT LEAST 10' LONG, WITH 2-16d NAILS AT INTERMEDIATE AND 3-16d NAILS AT END CONNECTIONS.
 - CROSS BRACING IS REQUIRED AT MINIMUM 10' O.C. UNLESS NOTED OTHERWISE. LOCATE CROSS BRACING AT OR NEAR THE BOTTOM CHORD BRACING. INSTALL CROSS BRACING AT EACH END AND AT 20' O.C. ALONG THE LENGTH OF THE LATERAL BRACING. CROSS BRACING IS ACCOMPLISHED BY ATTACHING DIAGONAL WEB BRACING TO OPPOSITE SIDES OF THE SAME GROUP OF SIMILAR WEB MEMBERS. SLOPE CROSS BRACING IN OPPOSITE DIRECTIONS AT APPROXIMATELY 45 DEGREES FORMING A CROSS "X". USE A MINIMUM OF 2x4 GRADE MARKED LUMBER WITH AT LEAST 3-16d NAILS AT EACH CONNECTION.
 - TRUSS ERECTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING OF TRUSS SYSTEM DURING CONSTRUCTION.
 - HANDLING, INSTALLATION, AND BRACING OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH "HIB-91", PUBLISHED BY THE TRUSS PLATE INSTITUTE.
 - ALL WOOD TRUSSES SHALL BE FASTENED TO THEIR SUPPORTS WITH APPROVED HURRICANE ANCHORS, RATED TO CARRY UPLIFT LOADS SPECIFIED BY TRUSS MANUFACTURER.
 - ALL CONNECTION HARDWARE SHALL BE GALVANIZED AND SUPPLIED BY SIMPSON STRONG-TIE, OR APPROVED EQUIVALENT MANUFACTURER. ALL NAIL HOLES SHOULD BE FILLED, OR AS PRESCRIBED BY THE MANUFACTURER.
 - TRUSSES ARE TO BE DESIGNED TO ALLOW FOR THE PROPER ROUTING OF A/C DUCT WORK AND PLUMBING. CHASES SHALL NOT BE BLOCKED BY WOOD TRUSSES.
 - PILING OF PLYWOOD ON WOOD TRUSSES IS NOT ALLOWED.
 - INSTALLATION OF BROKEN, DAMAGED, WARPED, OR IMPROPERLY REPAIRED WOOD TRUSSES IS NOT ALLOWED.
 - IMPROPER OR UNAUTHORIZED FIELD ALTERATIONS OF WOOD TRUSSES IS NOT ALLOWED.
 - GABLE END WALL TRUSSES MUST TRANSFER LATERAL LOADS TO THE SHEAR WALLS AND/OR THE ROOF DIAPHRAGM.
 - WOOD TRUSSES THAT DO NOT MEET INTERIOR LOAD BEARING WALLS MUST BE SHIMMED. DO NOT PULL WOOD TRUSSES DOWN TO INTERIOR BEARINGS.
 - SUBMITTALS: ALL SUBMITTALS SHALL BEAR THE EMBOSSED SEAL OF A LICENSED STRUCTURAL ENGINEER IN THE STATE OF FLORIDA AND SHALL BE SUBMITTED TO CONTRACTOR FOR REVIEW PRIOR TO WOOD TRUSS FABRICATION.
 - A. SUBMIT SEALED WOOD TRUSS DESIGN CALCULATIONS AND PROFILES FOR EACH TYPE OF TRUSS WITH PERMANENT BRIDGING REQUIREMENTS.
 - B. SUBMIT WOOD TRUSS ERECTION PLAN, INCLUDING CONNECTION DETAILS AND UPLIFT ANCHORS.
 - C. SUBMIT WOOD TRUSS TEMPORARY ERECTION BRACING PLAN.
 - D. MAINTAIN COPY OF SUBMITTAL ON JOBSITE.



GENERAL NOTES

ALL MANUFACTURED PRODUCTS SUCH AS ROOFING, WINDOWS, DOORS, ETC. ARE SHOWN HEREIN FOR ILLUSTRATION PURPOSES ONLY. THE INFORMATION SHOWN IS THE RESPONSIBILITY OF THE MANUFACTURER. THE MANUFACTURER IS RESPONSIBLE FOR THE VALIDITY OF THE COMPONENTS PROVIDED. ATTACHMENT INFORMATION GIVEN BY THE MANUFACTURER IS PROVIDED HEREIN. CONTRACTOR, AS PROJECT COORDINATOR, SHALL BE RESPONSIBLE FOR INSURING THAT THE APPROPRIATE PRODUCT/COMPONENT IS USED AND THAT IT HAS BEEN INSTALLED PER MANUFACTURER'S SPECIFICATIONS SUCH THAT IT WILL WITHSTAND THE COMPONENTS AND CLADDING PRESSURES REQUIRED BY THE SEALED PLANS.

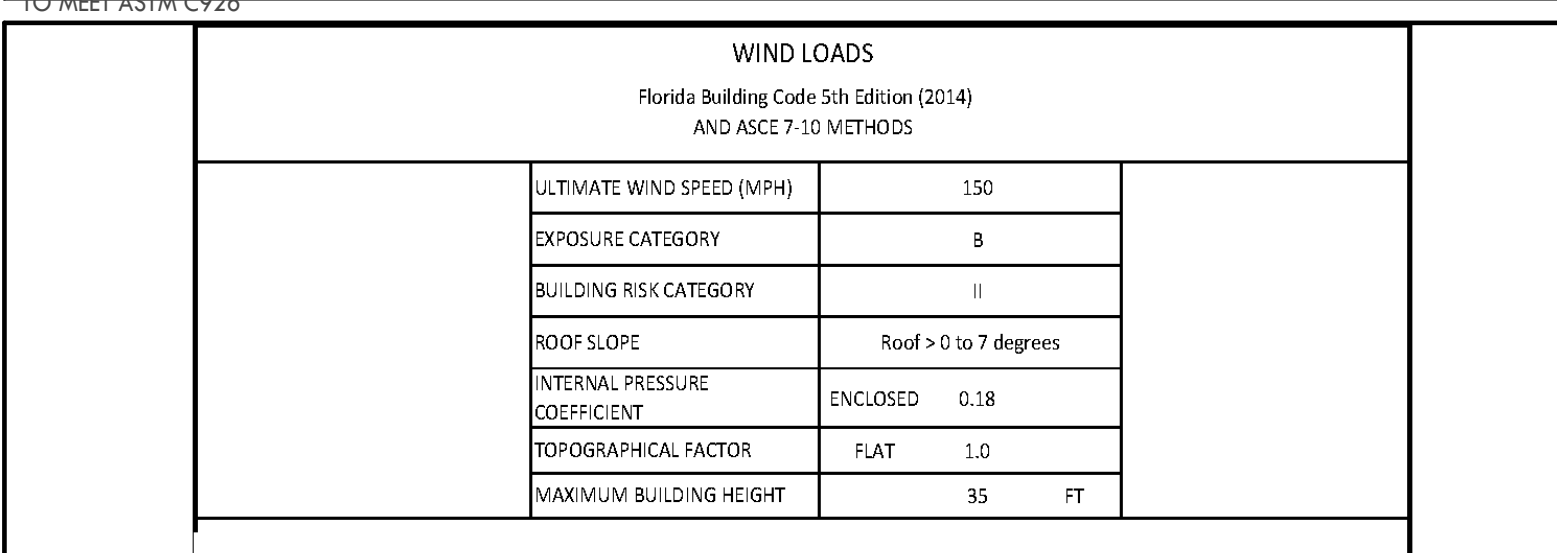
PRE-CAST AND PRE-STRESSED CONCRETE COMPONENTS SHALL BE USED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. PRE-CAST LINTELS HAVE BEEN REVIEWED AND PLACED BASED ON DESIGN ALLOWABLE LOAD INFORMATION PROVIDED BY CAST CRETE. THEREFORE, CAST CRETE IS A DELEGATED ENGINEER FOR THIS PROJECT. ENGINEER OF RECORD MUST APPROVE IN WRITING ANY CHANGE IN LINTEL MANUFACTURER. ALL OTHER STRUCTURAL PRE-CAST COMPONENT MANUFACTURERS MUST SUBMIT DESIGN LOAD INFORMATION TO ENGINEER OF RECORD FOR APPROVAL. ENGINEER OF RECORD RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER SUCH INFORMATION HAS BEEN PROVIDED FOR REVIEW. CONTRACTOR, AS PROJECT COORDINATOR, SHALL BE RESPONSIBLE FOR INSURING INFORMATION REQUESTED ABOVE HAS BEEN SUBMITTED TO ENGINEER OF RECORD IN A TIMELY MANNER WHEN AVAILABLE.

UPON REVIEW, ENGINEER OF RECORD WILL PROVIDE A REVIEW LETTER INDICATING ANY CHANGE IN STRAPPING OR SUPPORT BASED ON THAT REVIEW. CONSTRUCTION COMMENCING PRIOR TO ENGINEER'S REVIEW IS SUBJECT TO MODIFICATION BASED ON REVIEW LETTER.

EXTERIOR CEMENTITIOUS FINISH
CEMENTITIOUS FINISH OVER FRAME TO BE A MINIMUM 7/8" IN THICKNESS
CEMENTITIOUS FINISH OVER CMU TO BE A MINIMUM 5/8" IN THICKNESS
PER ACI 308.7-20

WIND LOADS
Florida Building Code 5th Edition (2014)
AND ASCE 7-10 METHODS

ULTIMATE WIND SPEED (MPH)	150
EXPOSURE CATEGORY	B
BUILDING RISK CATEGORY	II
ROOF SLOPE	Roof > 0 to 17 degrees
INTERNAL PRESSURE COEFFICIENT	ENCLOSED 0.18
TOPOGRAPHICAL FACTOR	FLAT 1.0
MAXIMUM BUILDING HEIGHT	35 FT



Area of CRC (SF)	ZONE 1		ZONE 2		ZONE 3		ZONE 4		ZONE 5	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
10	17.3	-42.5	17.3	-71.3	17.3	-107.3	42.5	-46.1	42.5	-56.9
20	16.2	-41.4	16.2	-63.7	16.2	-88.9	40.6	-44.2	40.6	-53.0
50	14.8	-40.0	14.8	-53.7	14.8	-64.6	38.0	-41.7	38.0	-48.0
100	13.7	-38.9	13.7	-46.1	13.7	-46.1	36.1	-39.7	36.1	-44.2

Area (SF) or description	ZONE 1		ZONE 2		ZONE 3		ZONE 4		ZONE 5	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
10	16.0	-25.5	16.0	-42.8	16.0	-64.4	25.5	-27.7	25.5	-34.1
20	16.0	-24.8	16.0	-38.2	16.0	-53.4	24.4	-26.5	24.4	-31.8
50	16.0	-24.0	16.0	-32.2	16.0	-38.7	22.8	-25.0	22.8	-28.8
100	16.0	-23.3	16.0	-27.7	16.0	-27.7	21.7	-23.8	21.7	-26.5
Garage Doors							22.4	-25.3	22.4	-33.3

TYPICAL NAILING SCHEDULE

	16d common	3 at each joist
Ledger strip	16d common	16" O.C.
Sole plate to joist or blocking, face nail	16d common	16" O.C.
Top of sole plate to stud, and nailed	16d common	2
Stud to sole plate, toe nail	8d common	4
Doubled studs, face nail	10d common	24" O.C.
Doubled top plates, face nail	10d common	16" along each edge
Continuous header to stud, toe nail	8d common	3
1X8 sheathing or less to each bearing, face nail	8d common	2
Over 1X8 sheathing to each bearing, face nail	8d common	3
Build-up girders and beams up to three members	16d common	24" O.C.
	20d common	32" O.C. at top and bottom and staggered 2 ends at each splice
1/2" Gypsum Sheathing	1 1/2 ga 1-1/2" 7/16" head	4" O.C. at edges 8" o.c. at other bearing.
5/8" Gypsum Sheathing	1 1/2 ga 1-3/4" 7/16" head	4" O.C. at edges 8" o.c. at other bearing.
Gypsum Wallboard 1/2"	1-3/8" drywall nail	7" O.C. on ceilings 8" O.C. on walls
5/8"	1-1/2" drywall nail	7" O.C. on ceilings 8" O.C. on walls
Hardboard Lap Siding, Direct to Studs	8d corrosion resistant with minimum shank dia. of 0.0990 inch and minimum head dia. of 0.240 inch	16" O.C. at top and bottom edges
Hardboard Lap Siding, over sheathing	10d corrosion resistant with minimum shank dia. of 0.0920 inch and minimum head dia. of 0.240 inch	16" O.C. at top and bottom edges
Hardboard Panel siding, Direct to Studs	6d corrosion resistant with minimum shank dia. of 0.0920 inch and minimum head dia. of 0.225 inch	6" O.C. at edges 12" O.C. at intermediate supports
Hardboard Panel siding, Over to Sheathing	8d corrosion resistant with minimum shank dia. of 0.0920 inch and minimum head dia. of 0.225 inch	6" O.C. at edges 12" O.C. at intermediate supports

CONNECTOR PRODUCT APPROVALS

APPLICATION	SIMPSON CONNECTOR	FL APPROVAL No.
CAPS AND BASES	CC, ECC, PC, EPC	FL 10860
	ABU	FL 10860
CONCRETE / MASONRY CONNECTORS	HU, HUC	FL 10655
	HGT, MBHA	FL 10866
	HD, HDGB, HDQD	FL 10441
	DETAIL, FGTR, HETA, HHETA, HM, HTSM, HGAM, HGUM, LGUM, LTA, META, MSTAM, MSTCM, MSTM	FL 11473
	HGA10, LGT, MGT, MSTC, VGT	FL 11470
HANGERS	HTI, LTI	FL 11496
	LRI, LSSU, LSU, THA	FL 10447
	HHUS, HSUL, HSUR, HU, HUC, IUSJUT, LU, LUS, MUISUL, SUR, U	FL 10531 / FL 10655
	HGU, HGUG, HGU5, HHGU, HHUS, HUCQ, HUS, LCU, LUS, LGU, MSCPT, THA, THGB, THGQ, THGW, THJU	FL 10531 / FL 11468
	B, BA, HB, LBV	FL 10667
STRAPS AND TIES	A, FC, GA, H, HGA, HH, L, LS, LPT, Z	FL 10446
	DSP, FTA, H, HGT, HTS, LFTA, LTS, MTS, RSP, RST, SP, SPH, SSP	FL 10456
	CMST, CS, FSA, HST, LSTA, LSTI, MST, MSTA, MSTC, MSTI, ST	FL 10852



RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

TERMITE NOTES

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING R318.1 TERMITE PROTECTION SYSTEMS AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION. SEE SECTION 202, REGISTERED TERMITE. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PREVENTION, THE INITIAL CHEMICAL SOIL TREATMENT INSIDE THE FOUNDATION R318.1.1 PERIMETER SHALL BE DONE AFTER ALL EXCAVATION, BACKFILLING AND COMPACTION IS COMPLETE. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PREVENTION, SOIL AREA DISTURBED AFTER INITIAL CHEMICAL SOIL TREATMENT SHALL R318.1.2 BE RETREATED WITH A CHEMICAL SOIL TREATMENT, INCLUDING SPACES BOXED OR FORMED. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PREVENTION, SPACE BY CONCRETE FLOORS BOXED OUT OR FORMED FOR THE R318.1.3 SUBSEQUENT INSTALLATION OF PLUMBING TRAPS, DRAINS OR ANY OTHER PURPOSE SHALL BE CREATED BY USING PLASTIC OR METAL PERMANENTLY PLACED FORMS OF SUFFICIENT DEPTH TO ELIMINATE ANY PLANNED SOIL DISTURBANCE AFTER INITIAL CHEMICAL SOIL TREATMENT. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PREVENTION, CHEMICALLY TREATED SOIL SHALL BE PROTECTED WITH A MINIMUM 6 R318.1.4 MIL VAPOR BARRIER TO PROTECT AGAINST RAINFALL DILUTION. IF BARRIER OCCURS BEFORE VAPOR BARRIER PLACEMENT, RETREATMENT IS REQUIRED. ANY WORK, INCLUDING PLACEMENT OF REINFORCING STEEL, DONE AFTER CHEMICAL TREATMENT UNTIL THE CONCRETE FLOOR IS Poured, SHALL BE DONE IN SUCH MANNER AS TO AVOID PENETRATING OR DISTURBING TREATED SOIL. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PREVENTION, CONCRETE OVERPOUR OR MORTAR ACCUMULATED ALONG THE EXTERIOR R318.1.5 FOUNDATION PERIMETER SHALL BE REMOVED PRIOR TO EXTERIOR CHEMICAL SOIL TREATMENT, TO ENHANCE VERTICAL PENETRATION OF THE CHEMICALS. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PREVENTION, CHEMICAL SOIL TREATMENTS SHALL ALSO BE APPLIED UNDER ALL R318.1.6 EXTERIOR CONCRETE OR GRADE WITHIN 1 FOOT (305 MM) OF THE PRIMARY STRUCTURE SIDEWALLS. ALSO, A VERTICAL CHEMICAL BARRIER SHALL BE APPLIED PROMPTLY AFTER CONSTRUCTION IS COMPLETED, INCLUDING INITIAL LANDSCAPING AND IRRIGATION/SPRINKLER INSTALLATION. ANY SOIL DISTURBED AFTER THE CHEMICAL VERTICAL BARRIER IS APPLIED SHALL BE PROMPTLY RETREATED. IF A REGISTERED TERMITICIDE FORMULATED AND REGISTERED AS A BAIT SYSTEM IS USED

INTEGRAL ENGINEERING, INC.
LEADS Technical Services, Inc. 111 E. 335th St.
P.O. Box 1815, Palm Bay, FL 32909 (1-888-888-8888)

THESE CERTIFICATES HAVE BEEN PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2014), AS AMENDED BY



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Pinellas County Housing Authority

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LARGO, FL 33778

TRUSS CONNECTOR NOTES

- TYPICAL TRUSS CONNECTORS:
- TO MASONRY WALLS: SIMPSON HETA20
 - TO FRAME WALLS: SIMPSON H10AOR MTS16
- TYPICAL GIRDER TRUSS CONNECTOR:
- TO MASONRY WALLS: DOUBLE SIMPSON HETA20
 - TO FRAME WALLS:
 - a. SIMPSON (2) HTS30 OVER (3) PLY 2X STUD COLUMN W/ SIMPSON HTTS @ BOTTOM TO MASONRY WALL OR FOUNDATION BELOW
 - b. SIMPSON (2) HTS30 OVER (3) PLY 2X STUD COLUMN W/ SIMPSON MST148 @ BOTTOM TO GIRDER TRUSS OR WOOD BEAM BELOW.
- THE PREVIOUS CONNECTORS APPLY UNLESS OTHERWISE NOTED.
- SEE FLOOR PLAN, FOUNDATION PLAN AND SECTIONS FOR OTHER CONNECTORS.
- ROOF TRUSS LAYOUT TO BE DEVELOPED BY TRUSS MANUFACTURER.
- THE ENGINEER RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS INFORMATION IS SUPPLIED TO THE ENGINEER

TRUSS CONNECTOR NOTES

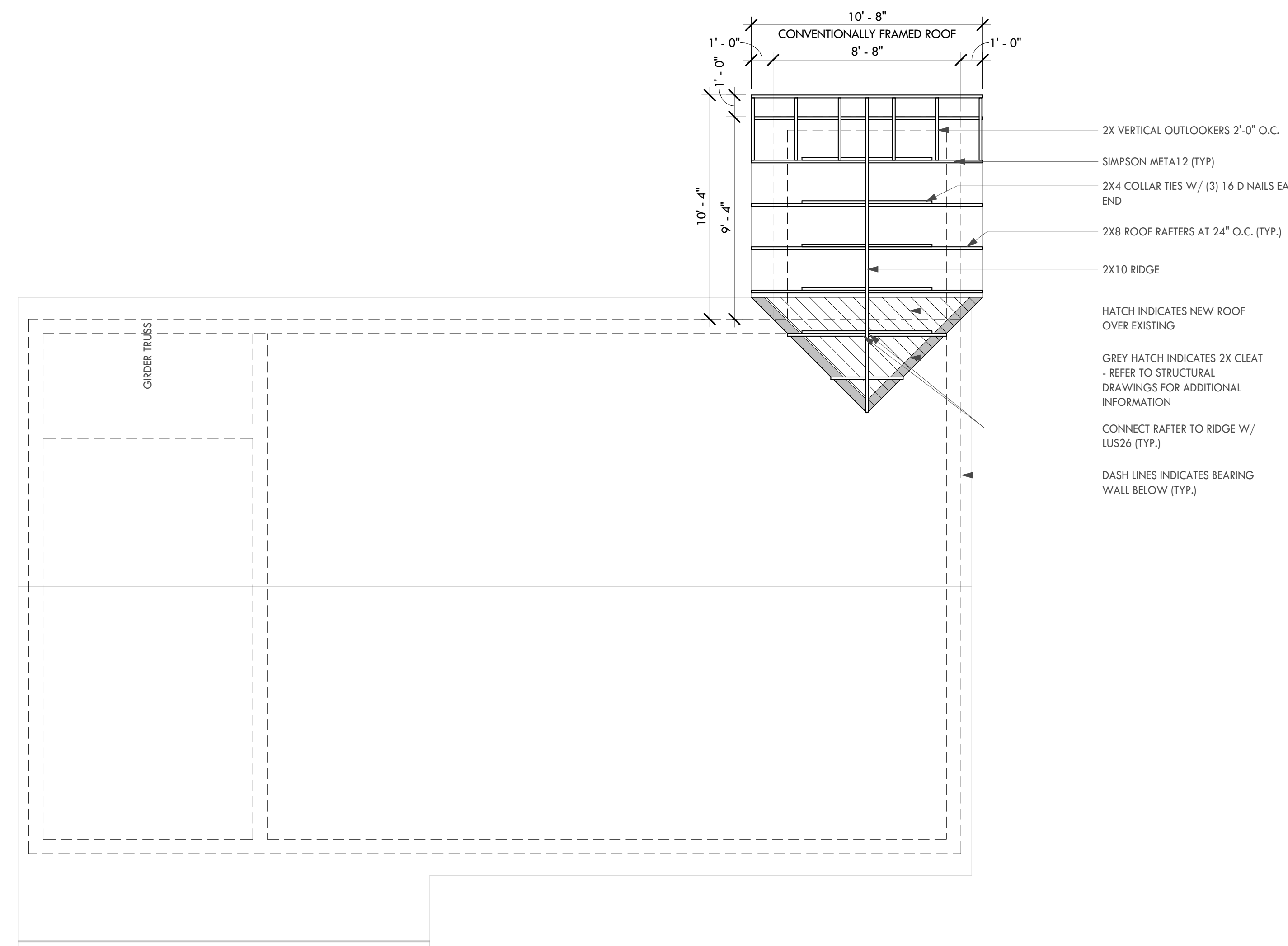
- TYPICAL TRUSS CONNECTORS:
- TO MASONRY WALLS: SIMPSON HETA20
 - TO FRAME WALLS: SIMPSON H10AOR MTS16
- TYPICAL GIRDER TRUSS CONNECTOR:
- TO MASONRY WALLS: DOUBLE SIMPSON HETA20
 - TO FRAME WALLS:
 - a. SIMPSON (2) HTS30 OVER (3) PLY 2X STUD COLUMN W/ SIMPSON HTTS @ BOTTOM TO MASONRY WALL OR FOUNDATION BELOW
 - b. SIMPSON (2) HTS30 OVER (3) PLY 2X STUD COLUMN W/ SIMPSON MST148 @ BOTTOM TO GIRDER TRUSS OR WOOD BEAM BELOW.
- THE PREVIOUS CONNECTORS APPLY UNLESS OTHERWISE NOTED.
- SEE FLOOR PLAN, FOUNDATION PLAN AND SECTIONS FOR OTHER CONNECTORS.
- ROOF TRUSS LAYOUT TO BE DEVELOPED BY TRUSS MANUFACTURER.
- THE ENGINEER RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER TRUSS INFORMATION IS SUPPLIED TO THE ENGINEER

ROOF TRUSSES NOTE

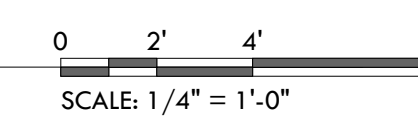
- ROOF FRAMING PLAN AND DIAGRAMATIC TRUSS LAYOUT FOR REFERENCE ONLY.
- ALL ROOF TRUSSES TO BE PRE-ENGINEERED BY TRUSS MANUFACTURER
- TRUSS LAYOUT AND TRUSS SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER OF RECORD PRIOR TO CONSTRUCTION

FRAMING NOTES

ALL PRE-ENGINEERED WOOD PRODUCTS SHALL BE VERIFIED BY TRUSS MANUFACTURER. TRUSS MANUFACTURER SHALL HAVE THE AUTHORITY TO MAKE SUBSTITUTIONS FOR PRODUCTS SPECIFIED ON THE PLANS DUE TO AVAILABILITY OR ECONOMICS. CHANGES SPECIFIED BY THE TRUSS MANUFACTURER SHALL CONTROL. CHANGES MADE AFTER TRUSS ENGINEERING HAS BEEN PROVIDED TO ENGINEER OF RECORD, MUST BE APPROVED BY THE ENGINEER OF RECORD. FRAMING PLAN IS DIAGRAMMATIC IN NATURE AND IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY. TRUSS MANUFACTURER TO PROVIDE SEPARATE LAYOUT AND TRUSS COMPONENT DESIGN SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. ALL PRE-ENGINEERED WOOD PRODUCTS ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS ENGINEER IS A DELEGATED ENGINEER FOR THIS PROJECT, AND AS SUCH, IS RESPONSIBLE FOR THE VALIDITY OF THE COMPONENTS PROVIDED. FRAMING LAYOUTS SHOWN MAY BE CHANGED BY THE TRUSS MANUFACTURER. THE DELEGATED ENGINEER IS RESPONSIBLE FOR PROVIDING A FINAL SEALED SET OF ALL CALCULATIONS AND LAYOUTS FOR THIS PROJECT TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO MANUFACTURE OF SAID COMPONENTS. ENGINEER OF RECORD HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S COMPONENTS AT THIS TIME AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER SUCH INFORMATION HAS BEEN PROVIDED FOR REVIEW. CONTRACTOR, AS PROJECT COORDINATOR, SHALL BE RESPONSIBLE FOR INSURING INFORMATION REQUESTED ABOVE HAS BEEN SUBMITTED TO ENGINEER OF RECORD IN A TIMELY MANNER WHEN AVAILABLE. ALL PRE-ENGINEERED TRUSSES TO BE DESIGNED USING THE MOST RECENT TYPICAL CRITERIA. TRUSSES TO BE HANDLED AND INSTALLED USING MOST RECENT BCSI RECOMMENDATIONS. TEMPORARY AND PERMANENT BRACING SHALL BE PER MOST RECENT BCSI RECOMMENDATIONS UNLESS NOTED OTHERWISE, OR MORE STRINGENT CODE REQUIREMENTS APPLY. TRUSS ENGINEER IS RESPONSIBLE FOR INDICATING ALL TRUSS TO TRUSS CONNECTORS. ALL COMPONENTS TO BE DESIGNED FOR BOTH GRAVITY AND UPLIFT LOAD CASES, INCLUDING BEAM COMPONENTS. UPON REVIEW, ENGINEER OF RECORD WILL PROVIDE A REVIEW LETTER INDICATING ANY CHANGE IN STRAPPING OR SUPPORT BASED ON THAT REVIEW. CONSTRUCTION COMMENCING PRIOR TO ENGINEER'S REVIEW IS SUBJECT TO MODIFICATION BASED ON REVIEW LETTER.



ROOF FRAMING PLAN
1/4" = 1'-0"



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• I HEREBY CERTIFY THAT I HAVE REVIEWED AND APPROVED THIS DRAWING FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE (7th Ed. 2014)

• THIS DRAWING IS VALID FOR 12 MONTHS FROM THE DATE IT IS SIGNED AND SEALED.

• REVISIONS AND REVISED PORTIONS OF THIS DRAWING SHALL BE STRIKED THROUGH AND THE ORIGINAL ENGINEER'S PORTION OF THIS DRAWING ONLY.

DATE: _____
LUISE C. CORREA, P.E., S.I., #9018

John J. McKenna Architect P.A.

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Sheet Name : FRAMING ROOF PLAN
Phase : PERMIT SET
Revision :
Date : 3.3.2017
Drawn by : DC
Checked by : LC
Plot Scale :
Project Number : 1659

S-2.0



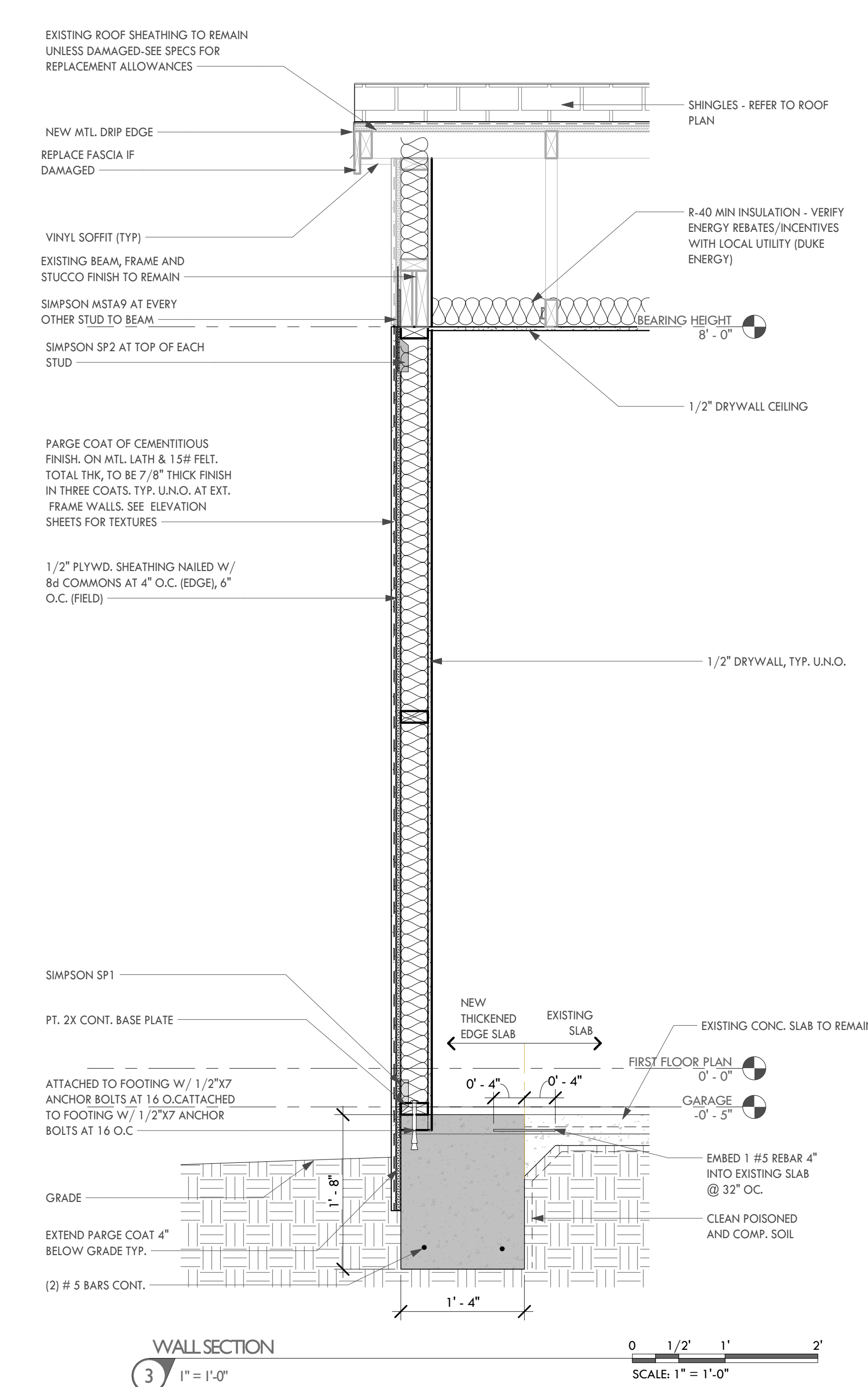
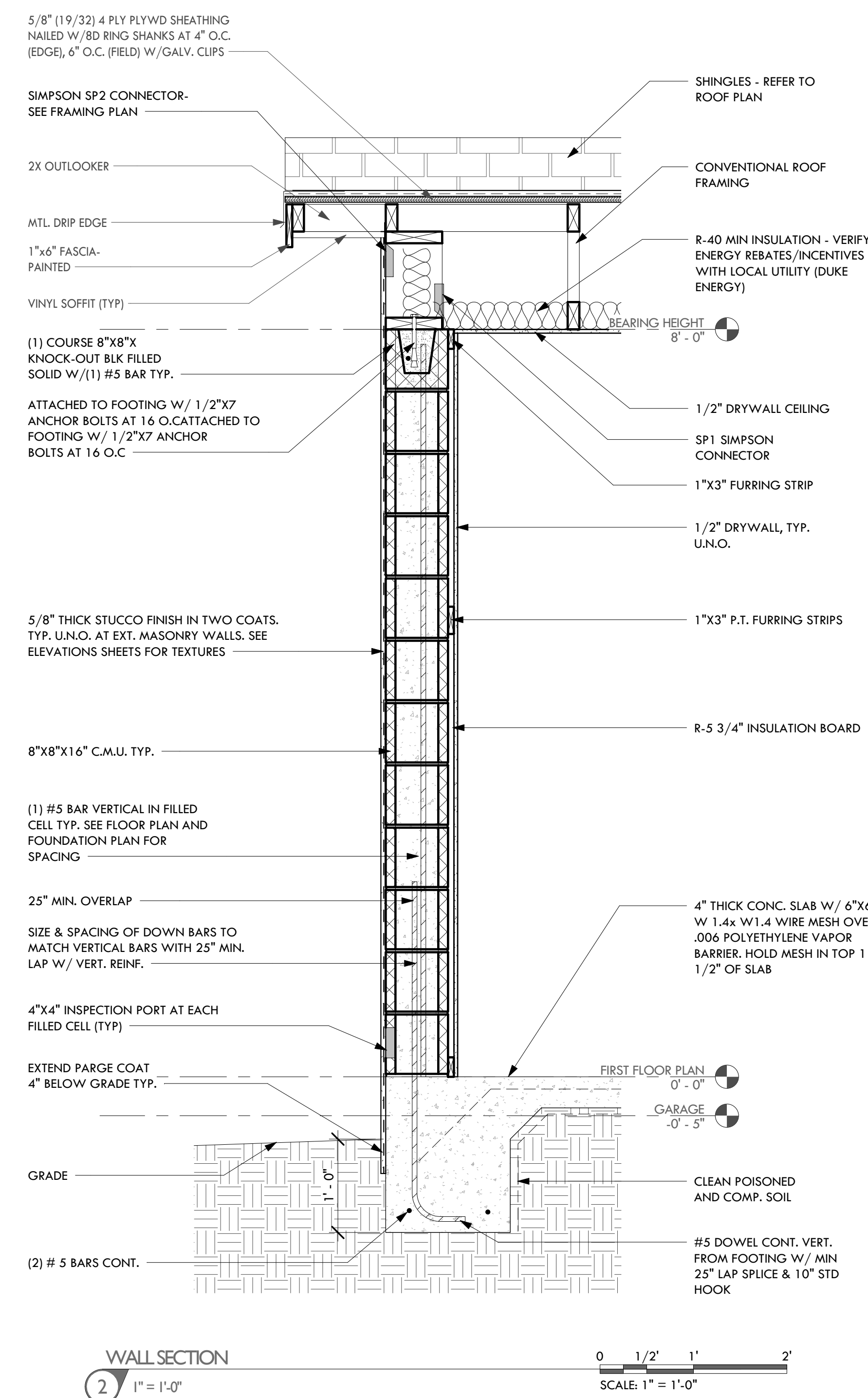
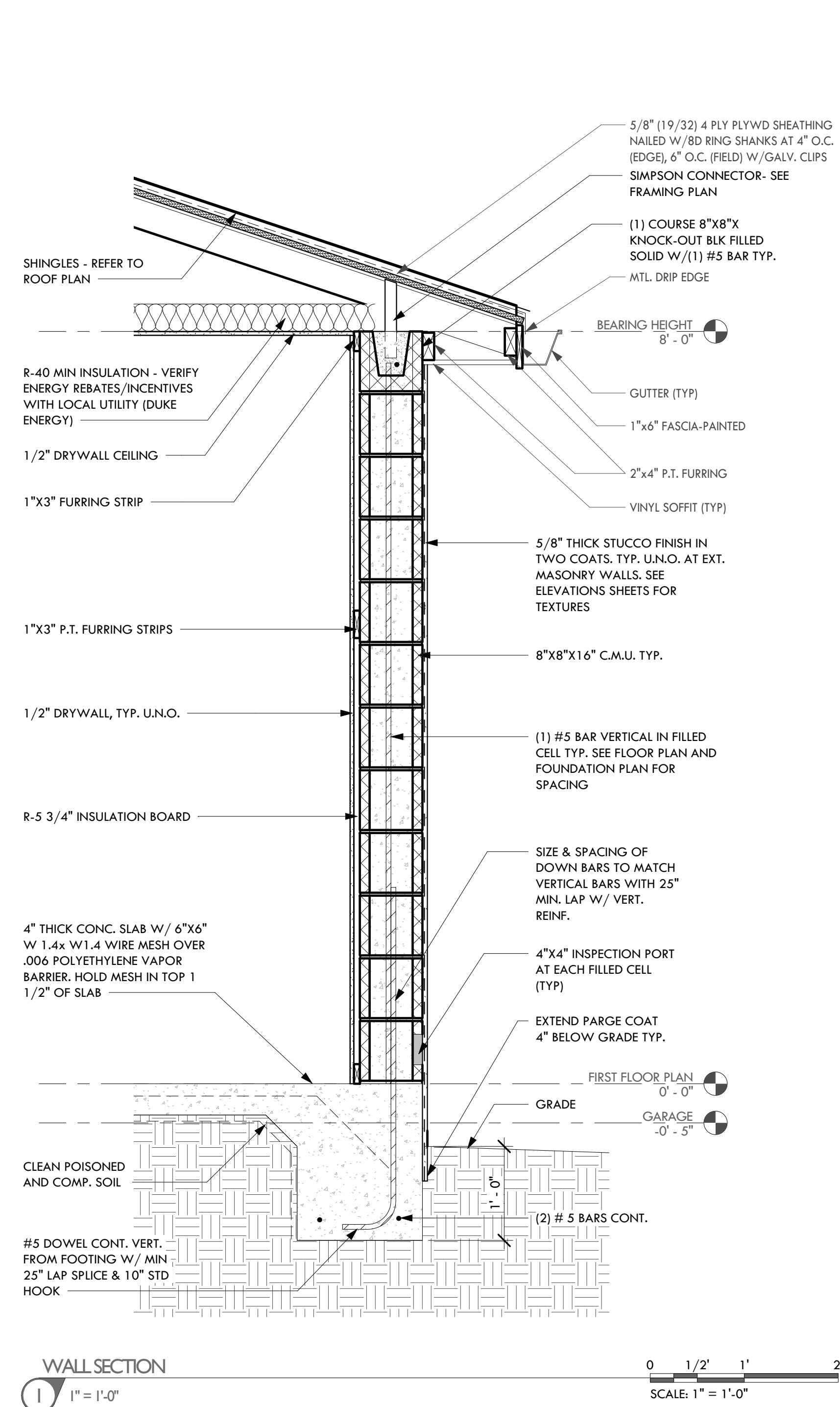
RESIDENCE RENOVATION

Pinellas County Housing Authority

12065 134th PI N
LARGO, FL 33778

WOOD PROTECTION NOTES

- R317.1 PROTECTION FROM WOOD AND WOOD BASED PRODUCTS FROM DECAY SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS ACCORDING WITH AWP 101:
- WOOD JOISTS OR THE BOTTOM OF A WOOD STRUCTURAL FLOOR WHEN CLOSER THAN 18 INCHES OR WOOD GIRDERS WHEN CLOSER THAN 12 INCHES TO THE EXPOSED GROUND IN CRAWL SPACES OR UNEXCAVATED AREA LOCATED WITHIN THE PERIPHERY OF THE BUILDING FOUNDATION
 - ALL WOOD FRAMING MEMBERS THAT REST ON CONCRETE OR MASONRY EXTERIOR FOUNDATION WALLS AND ARE LESS THAN 8" FROM THE EXPOSED GROUND
 - SILLS AND SLEEPERS ON A CONCRETE OR MASONRY SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND UNLESS SEPARATED FROM SUCH SLAB BY AN IMPERVIOUS MOISTURE BARRIER
 - THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE WALLS HAVING CLEARANCES OF LESS THAN 1/2 INCH ON TOPS, SIDES AND ENDS.
 - WOOD SIDING, SHEATHING AND WALL FRAMING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6" FROM THE GROUND OR LESS THAN 2" MEASURED VERTICALLY FROM CONCRETE STEPS, PORCH SLABS, PATIO SLABS, AND SIMILAR HORIZONTAL SURFACES EXPOSED TO THE WEATHER
 - WOOD STRUCTURAL MEMBERS SUPPORTING MOISTURE-PERMEABLE FLOORS OR ROOFS THAT ARE EXPOSED TO THE WEATHER, SUCH AS CONCRETE OR MASONRY SLABS, UNLESS SEPARATED FROM SUCH FLOORS OR ROOFS BY AN IMPERVIOUS MOISTURE BARRIER.
 - WOOD FURRING STRIPS OR OTHER WOOD FRAMING MEMBERS ATTACHED DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER IS APPLIED BETWEEN THE WALL AND THE FURRING STRIPS OR FRAMING MEMBERS.



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• THIS DRAWING IS VALID FOR 12 MONTHS FROM THE DATE IT IS SIGNED AND SEALED.

• REBAR AND REBAR FOR THE STRUCTURAL ENGINEERING PORTION OF THIS DRAWING ONLY.

DATE: _____
LUIR C. CORREA, F.P.E., S.I. #49016

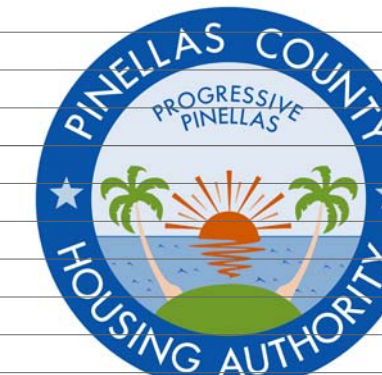
John J. McKenna Architect P.A.

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FLORIDA LICENSE - AA C001774
E-MAIL : mckenna42@verizon.net

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Sheet Name :	WALL SECTIONS
Phase :	PERMIT SET
Revision :	
Date :	3.3.2017
Drawn by :	DC
Checked by :	LC
Plot Scale :	
Project Number :	1659

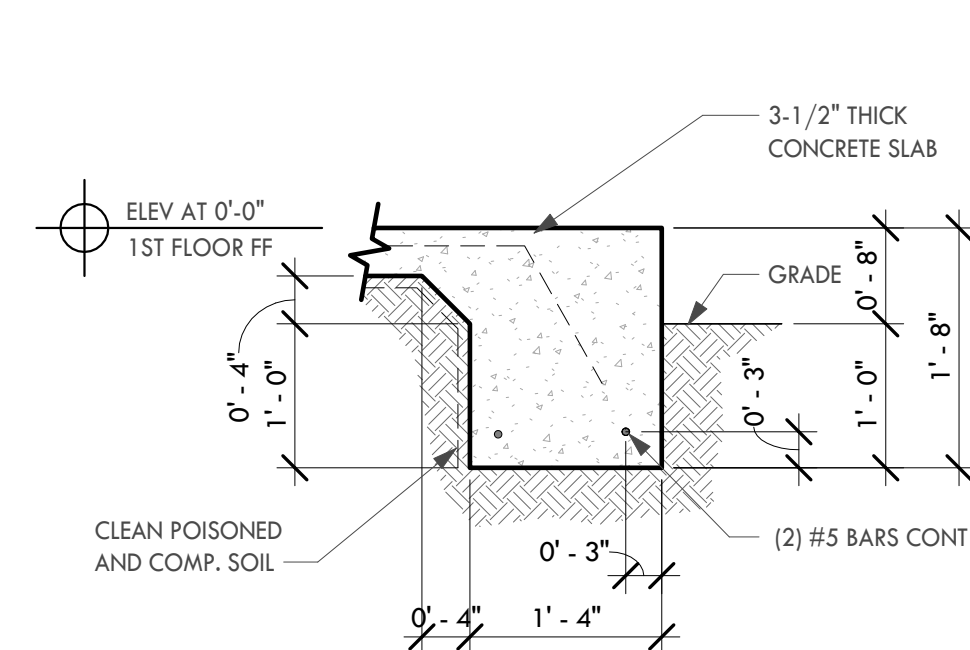
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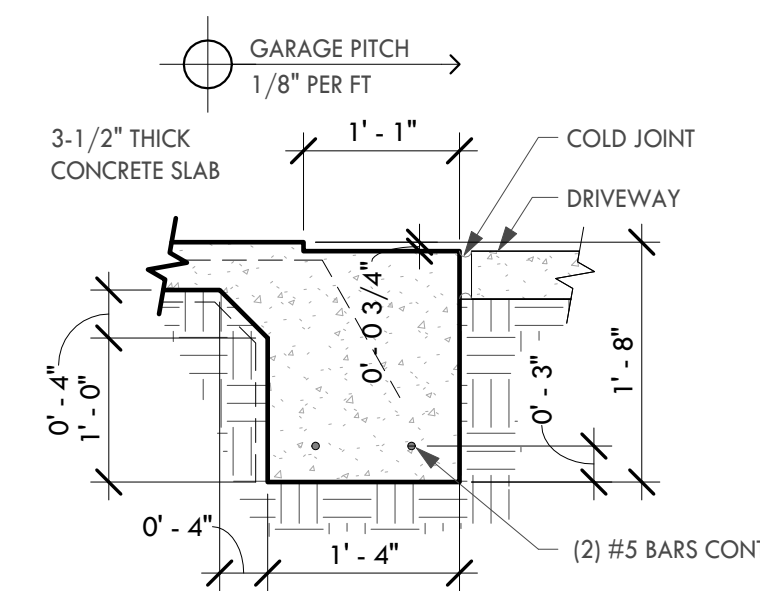
Pinellas County Housing Authority

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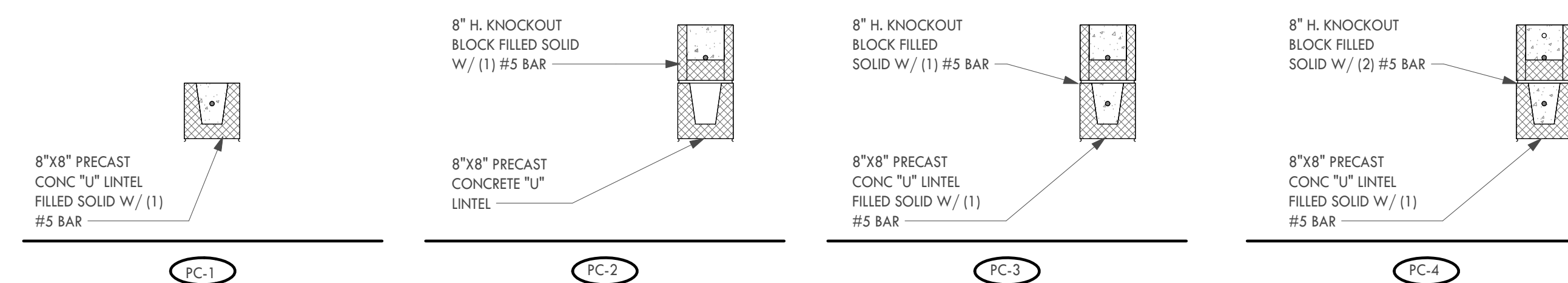
ONE STORY STANDARD FOOTING DETAIL

1 3/4" = 1'-0"



ONE STORY GARAGE FOOTING DETAIL

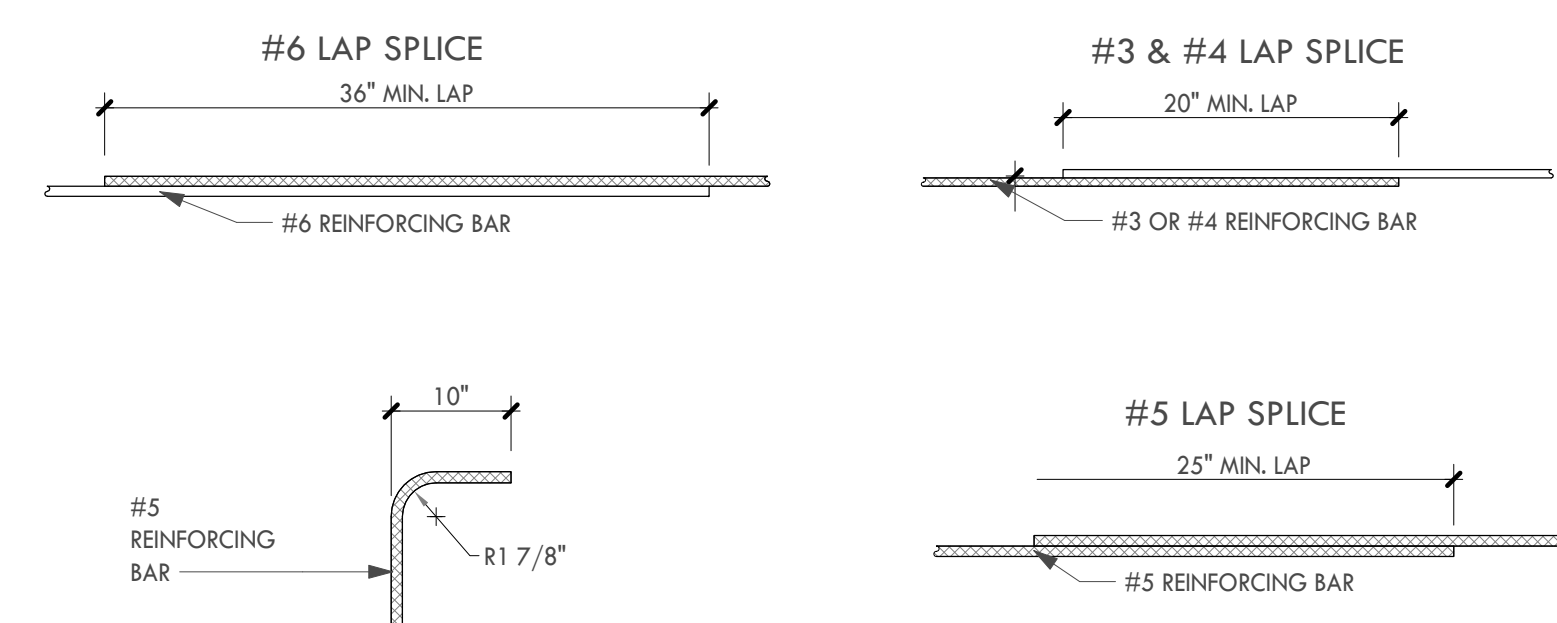
6 3/4" = 1'-0"



- THE K.O. BLOCK ABOVE THE LINTEL IS THE MINIMUM REQUIRED. ADDITIONAL GROUT FILLED CMU BLOCKS CAN BE INSTALLED BETWEEN
- THE K.O. BLOCK AND THE LINTEL FOR HIGH REQUIREMENTS. THE K.O. BLOCK ABOVE CAN BE THE SAME AS THE WALL TIE BEAM.
- NOTE: PRECAST LINTELS SHALL BE "CAST CRETE" OR EQUAL.

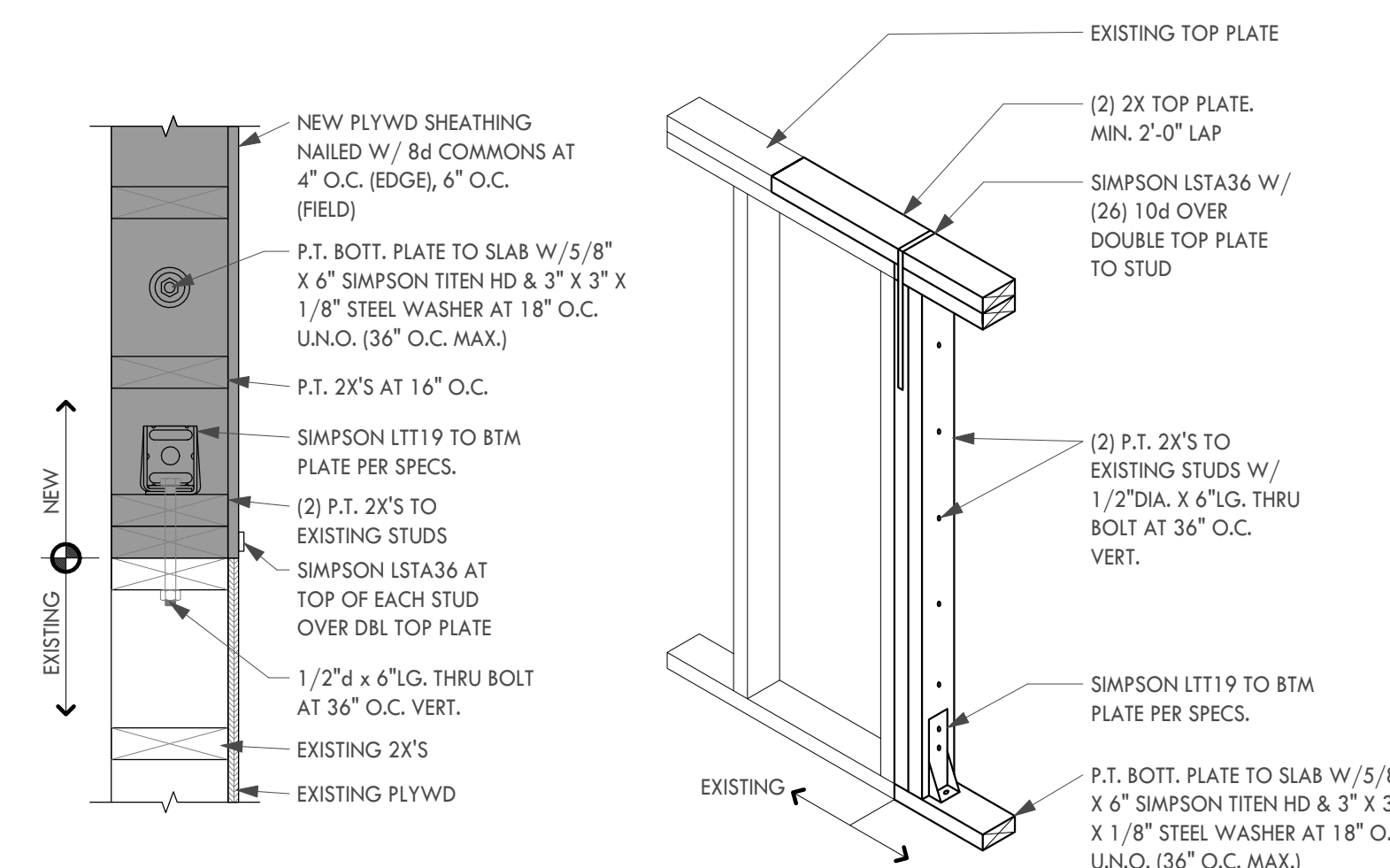
TYPICAL PRECAST LINTEL

5 3/4" = 1'-0"



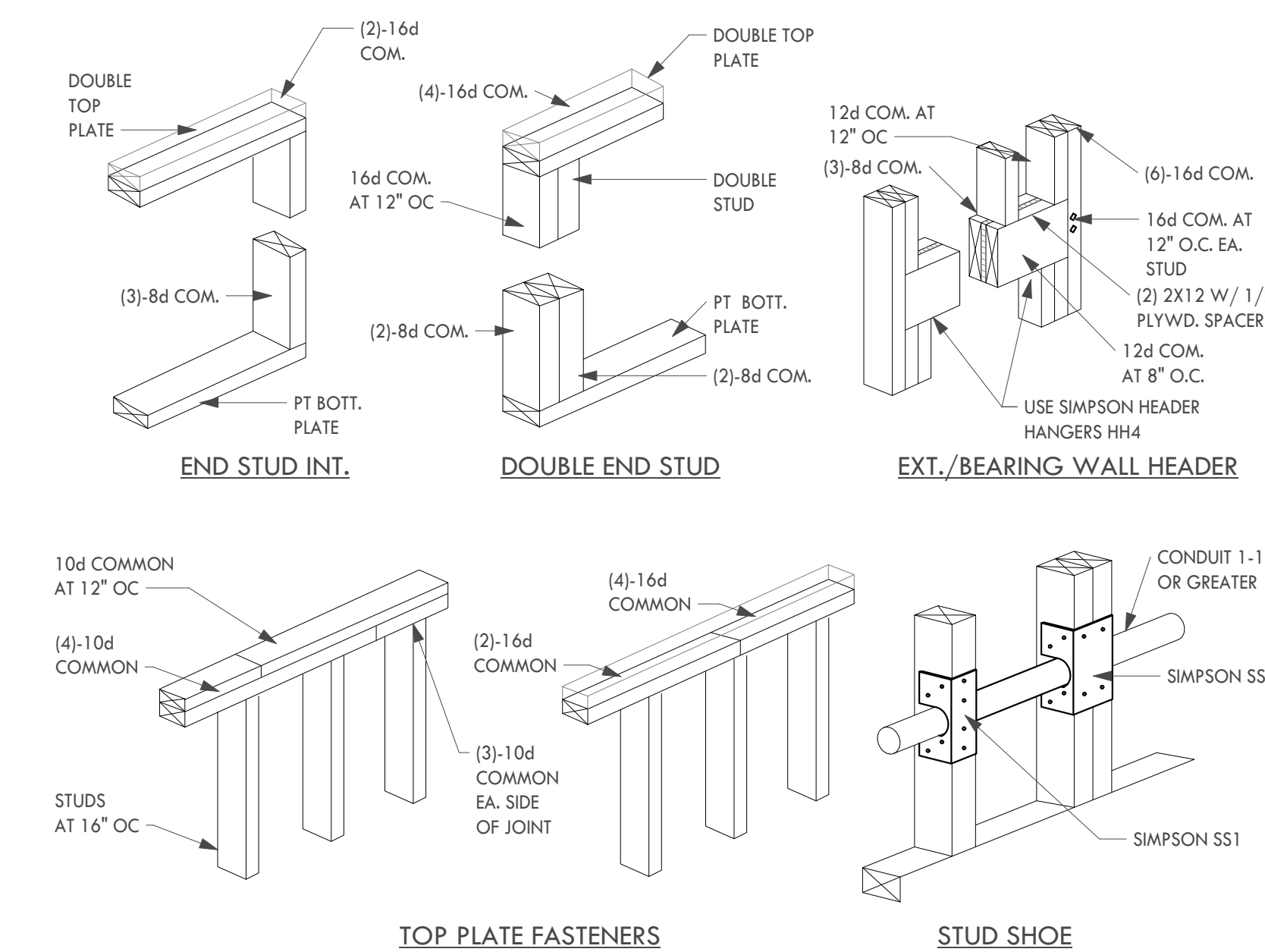
REBAR DETAILS

3 3/4" = 1'-0"



NEW TO EXISTING FRAMING DETAIL

7 3/4" = 1'-0"



FRAMING DETAILS

8 3/4" = 1'-0"

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 • I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA.
 • PORTION OF THIS DRAWING ONLY.

DATE: _____
 LUIS C. CORREA, F.P.E., S.I., #9016

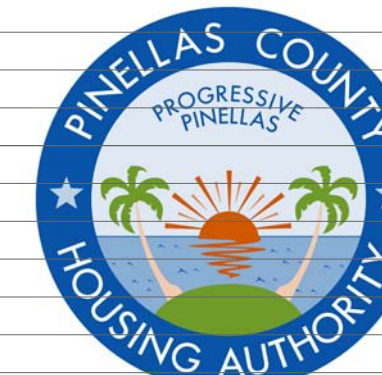
John J. McKenna
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Sheet Name : STRUCTURAL DETAILS
 Phase : PERMIT SET
 Revision :
 Date : 3.3.2017
 Drawn by : DC
 Checked by : LC
 Plot Scale :
 Project Number : 1659

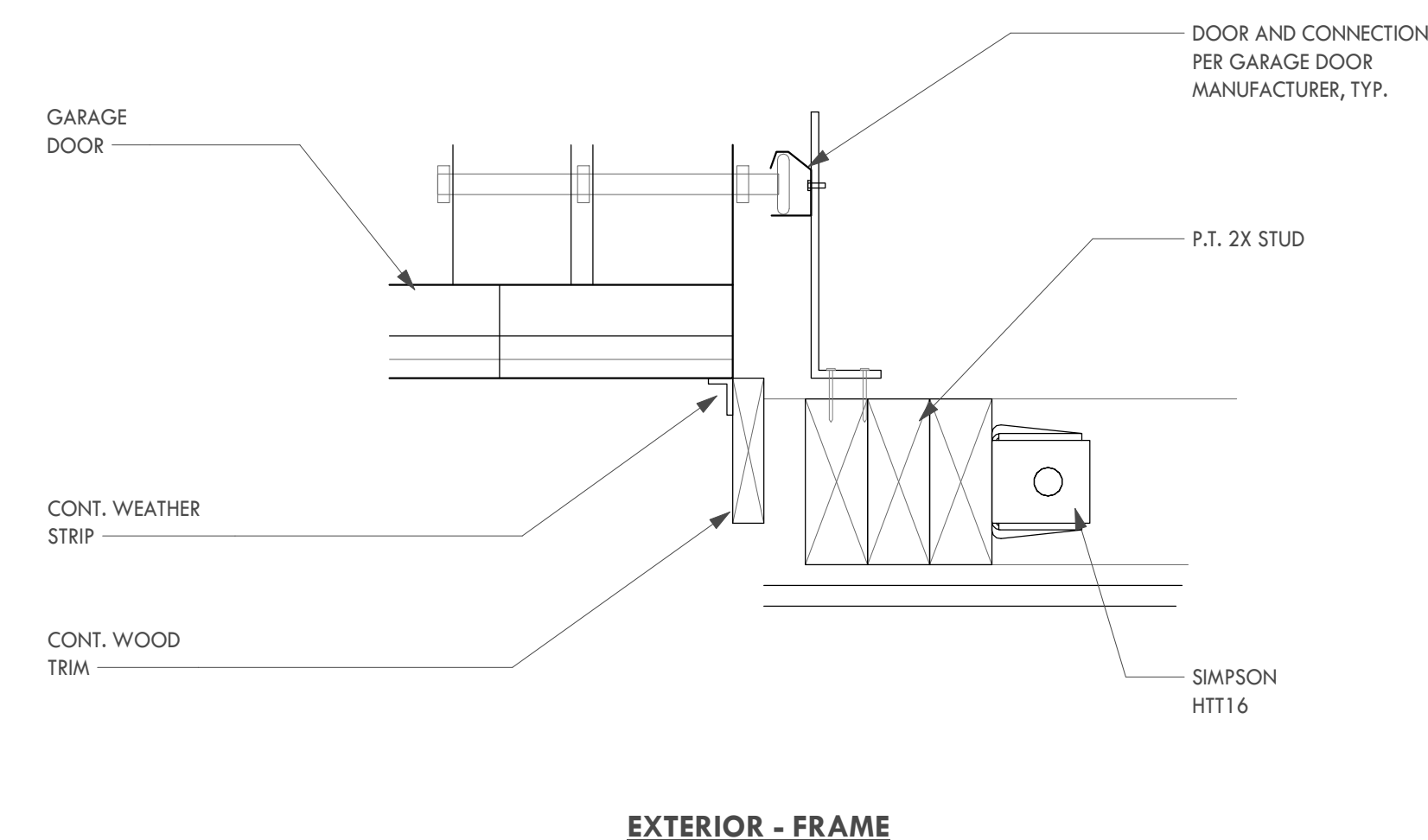
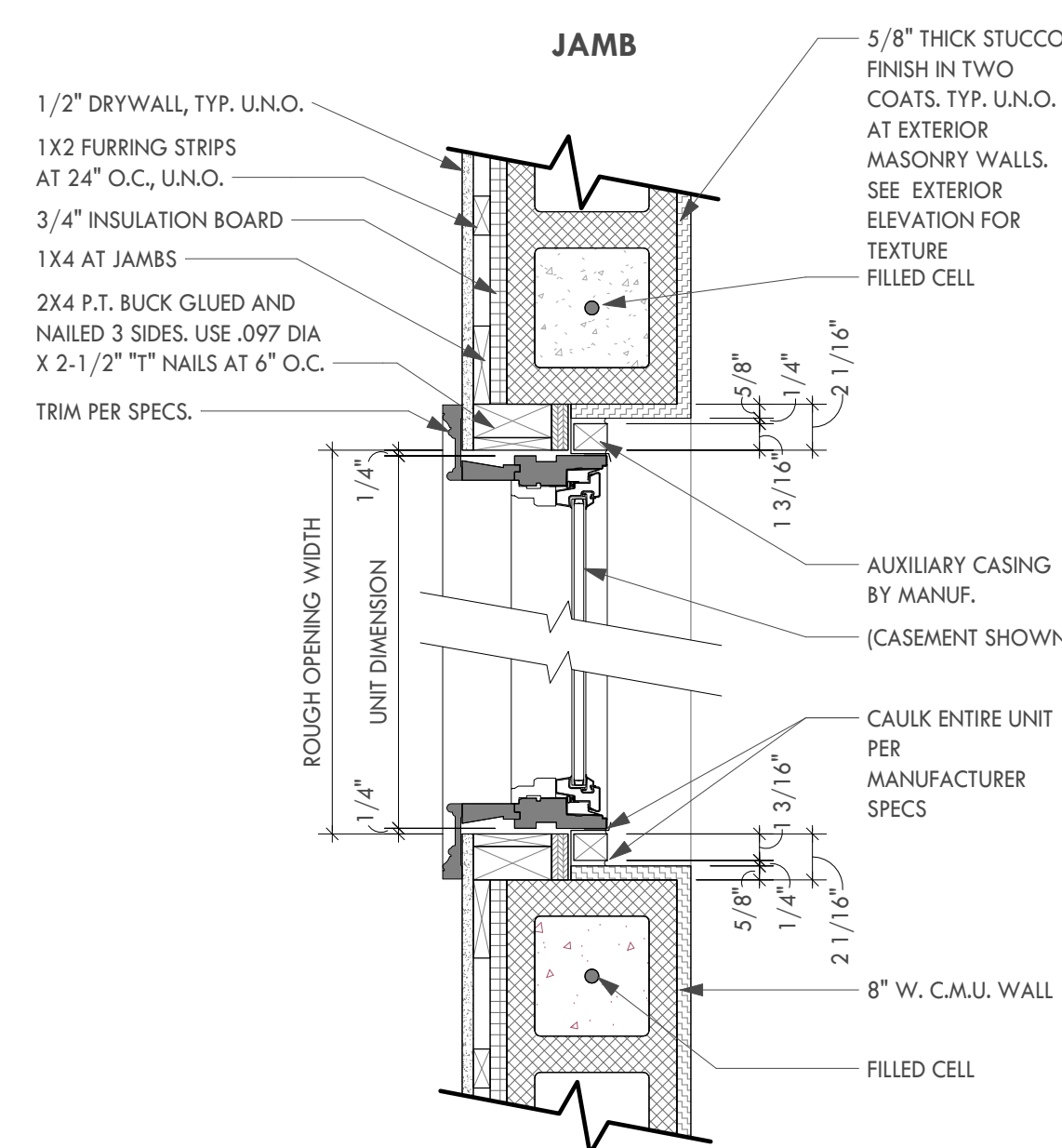
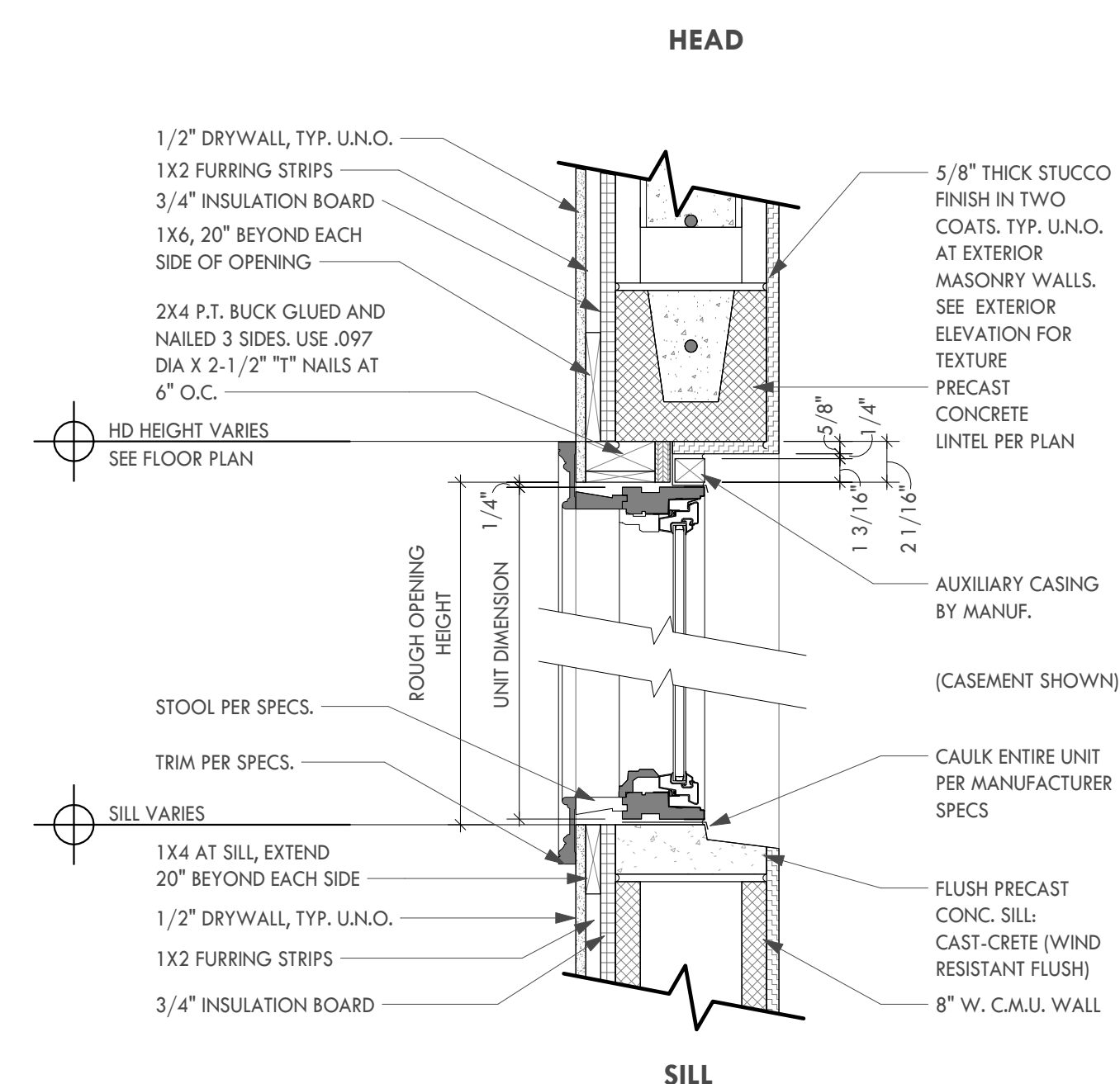
S-4.0



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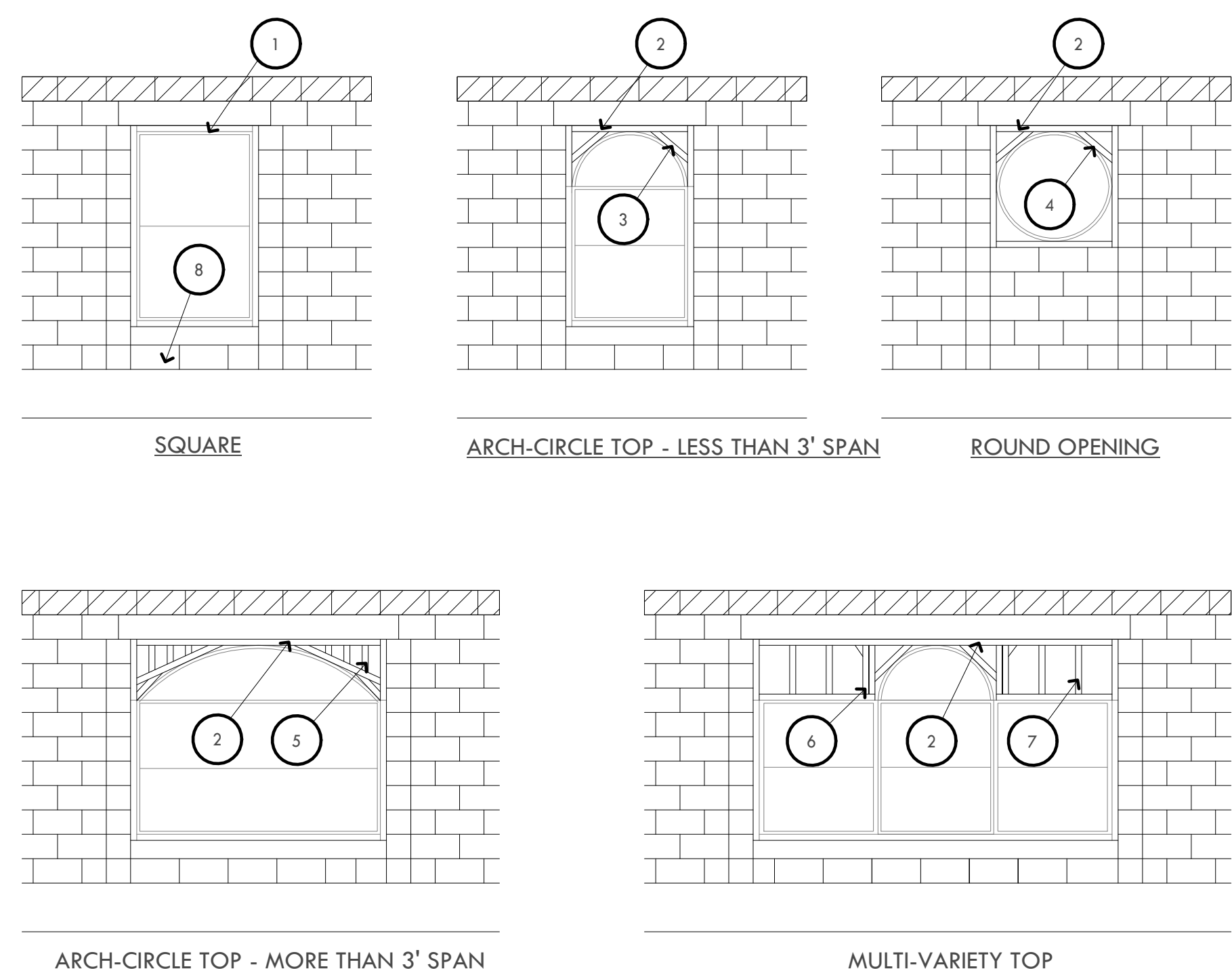


WINDOW SECTIONS

1 NOT TO SCALE

GARAGE TRACK MOUNTING

2 1/12" = 1'-0"



NOTES:

- SEE MANUFACTURER'S INFORMATION FOR WINDOW / DOOR ATTACHMENT TO FRAME.
- 1X8 P.T. ANCHORED TO LINTEL AND WALL W/ 1/4"X2" TAPCON AT 12" O.C.
- ANGLED 2X4 NAILED TO PLATE W/ (2) 16d NAILS AND COVER W/ 1/2" PLYWD OR 7/16" OSB W/ 8d NAILS AT 4" O.C. (EXTERIOR AND INTERIOR SIDES).
- ANGLED 2X4 NAILED TO PLATE W/ (2) 16d NAILS.
- 2X4 CRIPLE VERT STUDS AT 8" O.C. AND ANGLES NAILED TO PLATE W/ (2) 16d NAILS AND COVER W/ 1/2" PLYWD OR 7/16" OSB W/ 8d NAILS AT 4" O.C. (EXTERIOR AND INTERIOR SIDES).
- DOUBLE 2X4 VERT AT EACH SIDE OF WINDOW SHAPE CHANGES, ATTACHED TO TOP PLATE W/ SIMPSON MGT W/ 5/8"X4" ANCHOR BOLT.
- 2X4 CRIPLE VERT STUDS AT 8" O.C. NAILED TO PLATE W/ (2) 16d NAILS AND COVER W/ 1/2" PLYWD OR 7/16" OSB W/ 8d NAILS AT 4" O.C. (EXTERIOR AND INTERIOR SIDES).
- DOOR OPENING AREA (TYPICAL)

WINDOW AND DOOR MOUNTING - MASONRY

35 NOT TO SCALE

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I HEREBY CERTIFY THAT I HAVE FOUND IT TO BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (5th Ed. 2014)

THIS DRAWING IS VALID FOR 12 MONTHS FROM THE DATE IT IS SIGNED AND SEALED.

RENDERED AND SEALED FOR THE STRUCTURAL ENGINEERING PORTION OF THIS DRAWING ONLY.

DATE: _____

LUIS C. CORREA, P.E., S.I. #49016

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Architect P.A.

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Sheet Name : WINDOW & DOOR DETAILS

Phase : PERMIT SET

Revision :

Date : 3.3.2017

Drawn by : DC

Checked by : LC

Plot Scale :

Project Number : 1659

S-4.2



EXHIBIT Y

Contract Provisions-2 CFR 200.326

§200.326 Contract provisions.

The non-Federal entity's contracts must contain the applicable provisions described in Appendix II to Part 200—Contract Provisions for non-Federal Entity Contracts Under Federal Awards.

Part 200, Appendix II

Appendix II to Part 200—Contract Provisions for Non-Federal Entity Contracts Under Federal Awards

In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable.

(A) Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

(B) All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be effected and the basis for settlement.

(C) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 CFR part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”

(D) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

(E) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

(F) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR § 401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

(G) Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

(H) Mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201).

(I) Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide Excluded Parties List System in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1986 Comp., p. 189) and 12689 (3 CFR Part 1989 Comp., p. 235), "Debarment and Suspension." The Excluded Parties List System in SAM contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

(J) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award of \$100,000 or more must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

(K) See § 200.322 Procurement of recovered materials.

§ 200.322 Procurement of recovered materials.

A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired by the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.