

BROWARD COUNTY HOUSING AUTHORITY SOLICITATION NUMBER QR 18-264 QUOTATION REQUEST

ROOF REPAIR SERVICES & FOR AUBURN GARDENS APARTMENTS

QUOTE DUE DATE: FEBRUARY 20, 2018, 2:00 PM, EST

Please check BCHA's web site for addenda and changes before submitting your quote.

CONTACT: STACIE-ANN RICHARDS PROCUREMENT SPECIALIST BROWARD COUNTY HOUSING AUTHORITY 4780 NORTH STATE ROAD 7 LAUDERDALE LAKES, FL 33319 TELEPHONE: 954-739-1114, EXTENSION 1316 E-MAIL: srichards@bchafl.org

Broward County Housing Authority

ROOF REPAIRS SERVICES

1. INTRODUCTION

The Broward County Housing Authority (herein after, "BCHA") is a Public Housing Agency established in June 1969 under the U.S. Housing Act of 1937 and Chapter 421 of the Florida Statutes and is an Independent Special District of the State of Florida.

The mission of Broward County Housing Authority, its affiliates and instrumentalities (hereinafter, jointly referred to as "BCHA") is to create, provide and increase high quality housing opportunities for Broward County residents through effective and responsive management and responsible stewardship of public and private funds.

The United States Department of Housing and Urban Development ("HUD"), a federal agency, partially funds and monitors operations of the BCHA. Nothing contained in this RFP or in the contract resulting from the selection process shall be construed to create any contractual relationship between the successful Proposer and HUD.

BCHA maintains a website at <u>http://www.bchafl.org</u> with information for clients, landlords, prospective business partners, and the public at large.

2. STATEMENT OF WORK

The Broward County Housing Authority (BCHA) as a Public Housing Authority existing under Florida statutes, and on behalf of related instrumentalities and single asset affiliated entities are actively soliciting quotations from qualified, licensed and insured contractors to provide **Roof Repair Services** for Auburn Gardens Apartments located at 3331-3481 Auburn Boulevard, Fort Lauderdale, Fl. 33311, in Broward County Florida, in accordance with the specifications as set forth in this quotation request.

3. CONTRACTOR RESPONSIBILITIES

Standard Service Requirements: Except as specifically excluded, contractor shall be responsible for providing all services, permits (if required), licenses, materials, labor, supplies, tools and equipment necessary to meet the service requirements contained within this solicitation.

The awarded contractor shall be familiar with all laws and regulations that may in any way affect the work. The cost/fees for permits must be included in the contractor's price and paid for by the contractor.

- 3.1.1 The Contractor shall be responsible for obtaining any permits required.
- 3.1.2 The cost/fees for permits must be included in the contractor's price and paid for by the contractor.
- 3.1.3 Contractor will be held responsible for (but not limited to) damage to sprinkler/ irrigation systems, sidewalks, power lines, parked cars, buildings, etc.

- 3.2 The Contractor must cordon off work area as needed for safe operation of equipment
- 3.2.1 Contractor may not leave any holes or trenches uncovered after work hours.
- 3.2.2 Contractor may not use any water or electricity form the site.
- 3.2.3 Contractor will report any ensuing damage to property directly to the Property Manager or Contact Person.
- 3.2.4 Contractor will remove any and all construction debris from BCHA sites daily. BCHA dumpsters and trash receptacles **MUST NOT** be used for this purpose.
- 3.2.5 Contractor must provide competent supervision.
- 3.2.6 Contractor must provide qualified and experienced staff to perform all work.
- 3.2.7 Contractor will be responsible for informing their workmen that under no circumstances are they permitted to accept food or drink from any tenant.
- 3.2.8 Contractor will perform work between the hours of 8:00AM and 5:00PM Monday through Friday.
- 3.2.9 Contractor must furnish all tools and materials and will operate, maintain, and repair all equipment necessary to perform work required within this solicitation.
- 3.2.10 Contractor **MUST NOT** store equipment or materials at any BCHA site without permission.
- 3.2.11 All employees of the Contractor shall be considered to be, at all times the sole employees of the Contractor, under his sole direction and not an employee or agent of BCHA. BCHA may require the Contractor to remove an employee if it deems the employee to be careless, incompetent, insubordinate or otherwise objectionable and whose continued employment on BCHA property is not in the best interest of BCHA.
- 3.2.12 At least one employee of the Contractor, assigned to any BCHA site must be able to fluently speak, read and communicate in the English language or the Contractor must provide a translator for communication at the Contractor's expense.
- 3.2.13 Contractor will perform tasks specified within Scope of Work above at locations below.
- 3.3 **Personnel:** All employees of the contractor shall be considered to be, at all times the sole employees of the Contractor, under his sole direction and not an employee or agent of BCHA. BCHA may require the contractor to remove an employee if it deems the employee to be careless, incompetent, insubordinate or otherwise objectionable and whose continued employment on BCHA property is not in the best interest of BCHA.
- 3.4 **Employee Identification:** Contractor's personnel must be appropriately attired, courteous and conduct themselves in a professional manner consistent with UPCS requirements. While working on BCHA property, all contractors' inspectors shall wear clearly displayed photo identification badges at shirt pocket height showing they are employees of the contractor. The badges shall be provided by the contractor at the contractor's expense.
- 3.5 Smoking is **NOT** permitted in any BCHA residential unit or facility.
- 3.6 Contractor's employees must call Property Manager to check in and provide them with the following information: Company name, Building name and nature of work to be performed.

3.7 **Davis Bacon Wages are applicable for this project**

- 3.8 **HUD General Conditions**: Bidders are subject to General Conditions for Construction Contracts, HUD Form 5370-EZ, at <u>http://portal.hud.gov/hudportal/documents/huddoc?id=5370-EZ.docx</u>.
- 3.9 Contractor shall fully complete the work within **60 days** from the issue date of the permit. No grace period shall be honored unless previously established and written authorization is granted by the Project Manager.
- 3.10 In the event that the contractor fails to complete the work within the timeframe set forth, and in compliance with the specifications and requirements contained within this solicitation, BCHA reserves the right to pursue alternate remedies which may include the termination of the contract for default.

4. LICENSING AND INSURANCE INFORMATION

- 4.1 Before a contract pursuant to this Quotation Request (QR) is executed, the apparent successful Contractor must hold all necessary, applicable professional licenses required by the State of Florida and all regulatory agencies necessary to complete the Service. The Contractor shall obtain, at the Contractor's expense, any permits, certificates and licenses as may be required in the performance of work specified. All required licenses shall remain active and valid during the entire duration of the subsequent contract. BCHA may require any or all Contractors to submit evidence of proper licensure.
- 4.2 A copy of the contractor's business license allowing the contractor to provide such services within Broward County, Florida;
- 4.3 An original certificate evidencing the contractor's current worker's compensation carrier and coverage amount. BCHA will not accept state waiver of worker's compensation insurance liability;
- 4.4 An original certificate evidencing General Liability coverage evidencing a minimum of \$1,000,000 each occurrence, general aggregate minimum limit of \$1,000,000, together with damage to premises and fire damage of \$50,000 and medical expenses any one person of \$5,000 with a deductible of not greater than \$1,000;
- 4.5 An original certificate showing the contractor's vehicle insurance coverage in a combined single limit of \$1,000,000. For every vehicle utilized during the term of this contract, when not owned by the entity, each vehicle must have evidence of vehicle insurance coverage with limits of no less than \$50,000/\$100,000 and medical pay of \$5,000 must each be furnished with the proposer's response.
- 4.6 Contractor agrees, and hereby authorizes its insurer, to notify BCHA of any substantial change in such insurance coverage described herein. Substantial change includes, but not limited to, events such as cancellation, non-renewal, reduction in coverage, or receipt of a claim against such coverage with potential recovery in excess of twenty percent (20%) of available coverage. BCHA shall be notified at least 30 days in advance of cancellation, non-renewal or adverse change;
- 4.7 The premium cost of all insurance purchased by the Contractor for protection against risks assumed by virtue of the contract shall be borne by the Contractor and is not reimbursable by BCHA;

4.8 BCHA reserves the right, but not the obligation, to review and revise any insurance requirements, including limits, coverages and endorsements, based upon insurance market conditions affecting the availability and affordability of coverage. Additionally, BCHA reserves the right, but not the obligation, to review and reject any insurance policies, certificates of insurance, or insurer failing to meet the criteria stated herein;

5. Compliance with Law

While conducting business with BCHA, Proposer shall comply with all applicable Federal, State and local laws, regulations, ordinances and requirements, applicable to the work described herein including, but not limited to, those applicable laws, regulations and requirements governing equal employment opportunity strategies, subcontracting with small and minority firms, women's business enterprise, and labor surplus area firms, equal opportunity for businesses and unemployed and underemployed persons as referenced in Section 3 of The Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u ("Section 3"), the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the Davis-Bacon Act, and shall provide for such compliance in the contract documents as required. It is the policy of BCHA that all proposers that conduct business with BCHA must be authorized and/or licensed to do business in Florida. Proposer is responsible for contacting their local city and county authorities and the State of Florida to ensure that Proposer has complied with all laws and is authorized and/or licensed to do business in Florida. All applicable fees associated therewith are the responsibility of Proposer.

- 5.1.1 Proposers are subject to Instructions to Offerors Non Construction, HUD Form 5369-B, at <u>https://www.hud.gov/sites/documents/DOC_12131.PDF</u>
- 5.1.2 Proposers are subject to General Contract Conditions Non-Construction, HUD Form 5370-C, at http://portal.hud.gov/hudportal/documents/huddoc?id=5370-C1.docx.
- 5.1.3 Proposers are subject to 24 CFR 135, Economic Opportunities for Low- and Very Low-Income Persons commonly referred to as Section 3, at http://www.access.gpo.gov/nara/cfr/waisidx_98/24cfr135_98.html. The proposer shall be required to, as detailed therein, "to the greatest extent feasible ... provide economic opportunities to low- and very-low income persons," meaning, if the proposer must hire anyone to help with the work, he/she must submit a work plan showing how he/she will give first preference to such jobs to Section 3 persons.
- 5.1.4 Bidders are subject to *Maintenance Wage Rate Determination for Routine Maintenance*, General Decision Number: FL20160099, included as an attachment to this solicitation document, for work classifications of as appropriate to the work being performed. Bidder acknowledges that he/she

will not pay his/her employees at rates less than detailed on the applicable Wage Rate Determination (Davis-Bacon). The contractor will be required to submit certified payrolls; the contractor must make its payroll records available to BCHA or HUD on request, and failure on the part of the contractor to comply with this requirement will be the sole responsibility of the contractor, including any ensuing penalties, court costs, or wages due its employees. **See Attachment A** for the Wage Rate Determination currently in effect. Future Wage Rate Determinations will apply and will be provided to the contractor as available.

5 CONTACTS:

For technical questions regarding the commodities/services listed in this quote, contact Bill Sipala (Construction Manager) at 954-739-1114 ext. 1310.

For information regarding bidding procedures, terms and conditions, contact Stacie-Ann Richards at 954-739-1114 ext. 1513 or by email at: <u>srichards@bchafl.org</u>.

6 CONTRACT SERVICE STANDARD

All work performed pursuant to this solicitation must conform and comply with all applicable federal, state, and local laws, statutes, and regulations.

7 CONTRACT PAYMENT

- 7.13Following the performance of work, the contractor will submit an invoice to Accounts Payable Department, Broward County Housing Authority, 4780 N. State Road 7, Lauderdale Lakes, Florida, 33319 or by email at <u>payments@bchafl.org</u>.
- 7.14Contractor's invoices shall reflect the prices established for the items on this Contract for all orders placed by BCHA even though the Contract number and/or correct prices may not be referenced on each order. Only properly submitted invoices will be officially processed for payment. Invoices submitted without required information will be returned for entry of the missing information and will not be paid until properly completed.
- 7.15All invoices must be itemized showing: Contractor's name, remit to address, purchase order number, service location, site name and prices per the contract, itemized in order to facilitate contract auditing.
- 7.16Each invoice must detail the service and location at which performed, accompanied by a copy of the work order signed by the BCHA Contact Person indicating satisfactory completion of work.
- 7.17 BCHA will pay the properly completed and authorized invoice within thirty (30) days of receipt. BCHA will pay invoices by check.
- 7.18 All checks will be mailed.

8 SCOPE OF WORK

8.13 General Requirements

The Broward County Housing Authority (BCHA) is actively soliciting proposals from qualified, experienced, licensed and insured contractors for roof repairs at its Auburn Gardens Apartments complex, 3331-3481 Auburn Boulevard, Fort Lauderdale, Fl. 33311 location in Broward County Florida. Prices quoted shall include all labor, materials, permits and any costs associated with roof repairs for above mentioned property. *All work shall meet the latest requirements of the South Florida Building Code, as well as adhering to all state, county and municipal codes, guidelines and regulations.*

- This scope is to repair the stucco stop and roof area at the first level of the roof at the block wall per the plans.
- Provide ground/pedestrian protection during the entire project.
- Remove gutter and save to reinstall, when necessary.
- Demolish and remove existing flashing, stucco stop, shingles and all necessary rotted plywood from roof and premises.
- Include removing and replacing 400 square feet of plywood sheathing per sheet A-101. Any additional plywood sheathing to be replaced will be billed separately at a rate per the bid form.
- Install new metal flashing, stucco stop, 30 lb. felt, peel & stick, matching shingles, stucco and paint per the plans.
- Remove and replace damaged gypsum board. Provide 500 square feet as part of the bid per sheet A-101. Any additional gypsum board to be replaced will be billed separately at a rate per the bid form.
- Remove damaged ceiling insulation and replace with R-19 batt insulation. Provide 500 square feet as part of the bid per sheet A-101. Any additional R-19 batt insulation to be replaced will be billed separately at a rate per the bid form.
- Provide an alternate price to remove the existing P.T. wood drip, metal drip flashing (match existing), felt, and shingles at the second level of the roof and replace with new per the plans.
- Shingles are to match existing and must be approved by the owner before installation.

- Provide and include all necessary permitting costs and fees for work per plans.
- Contractor is to provide a written five year materials and labor guarantee/warranty against leaks for the work associated with these repairs.

Or Approved Equal Specifications

- a) Any and all references to brand names and numbers in this solicitation are strictly for the purpose of describing the standard of quality, performance and characteristics desired and is not intended to limit or restrict competition, unless otherwise specified.
- b) All offers on equivalent items meeting the standards of quality thereby indicated will be considered, unless otherwise specified, providing the offer clearly describes the article being offered and states how it differs from the referenced brands. Unless the contractor specifies otherwise, it shall be understood by BCHA that the contractor is offering a referenced brand item as specified in the solicitation.
- c) If items requested have quality guidelines of brand name or equal; the items offered must be equal to or better than the brands or model numbers specified as determined by BCHA.
- d) BCHA will determine whether a substitute offer is equivalent to and whether it meets the standards of quality indicated by the brand name referenced. Substantially equivalent products to those referenced may be considered for award.
- e) "Or Equal" submissions will not be rejected because of minor differences in design, construction or features that do not affect the suitability of the product for its intended use.

10 SOLICITATION BACKGROUND AND ANTICIPATED SCHEDULE

- 10.1 BCHA is seeking to obtain quotations from firms qualified to perform services as described within the Scope of Work at location listed above.
- 10.2 This solicitation is subject to the BCHA Procurement Policy, as revised September 26, 2017, a copy of which is available at <u>www.bchafl.org</u>.

11 SITE VISIT

It is highly recommended that proposers visit the project site. BCHA will not be held responsible for incorrect fee proposals due to contractor's misunderstanding of requirements, measurements, and services required. BCHA staff will only be available to show the site at the time listed below.

Should bidder not visit site, BCHA will not be held responsible for incorrect fee bids due to contractor's misunderstanding of requirements, size and services required at the site.

Location	Date & Time	Site Contact
Auburn Gardens – 3331-3481 Auburn Boulevard, Fl. 33311	February 07, 2018 @ 10:00 AM	Bill Sipala (Construction Mgr.) Tel: 954-739-1114 ext. 1310.

12 BID SUBMISSION:

Bid submission should include **pages 1 through 11 and Attachments B, & C** of this solicitation.

All required sections should be completed. <u>Do not submit Attachments A, D-1, D-2</u> <u>& D-3</u>, all required sections should be completed. Bidder is responsible for the completeness of all forms and the submission of the required documents. Bids may be submitted by email at <u>Purchasing@bchafl.org</u>.

13 BID EVALUATION DOCUMENTATION AND MEETING:

In order to verify that the Bidder has adequately incorporated all elements of the Work and the requirements of the Contract Documents in its bid prices, the Bidder shall, upon request of the Owner, promptly make available for the Owner's review a complete itemization and breakdown of its Total Bid amount, a description of the Bidder's understanding of the Work, and a proposed schedule. Prior to award, upon request of the Owner, the Bidder and proposed subcontractors and suppliers shall attend a bid evaluation meeting with the Owner, and shall bring to the meeting any documents requested by the Owner to assist the Owner in evaluating the bid and the Bidder's understanding of the Project. In the event the Bidder refuses to provide the requested information or attend the bid evaluation meeting, the Owner may reject the bid as non-responsive.

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14 PROPOSED FEES

All prices submitted are to be on the form below.

- A. Instructions: Please indicate the cost:
- B. Price shall include all labor, materials, equipment, permits and associated costs.
- C. Schedule of value and time schedule may be requested prior to award.

DESCRIPTION	Total Price
Auburn Gardens	
Repair the first level of the 12 roofs and ceilings at Auburn Gardens (Include a 5 year warranty for leaks)	\$ Lump Sum
All labor, material, equipment, permits and associated costs as per the Scope of Work.	
Add Alternate Price	Second Level Price Only
Provide an alternate price for the repair the first level of the 12 roofs at the second level only.All labor, material, equipment, permits and associated costs as per the Plans and Scope of Work.	\$ Lump Sum

TOTAL

\$_

Lump Sum

Optional Items:

DESCRIPTION	Total Price
• Provide price for plywood sheathing replacement.	\$/Sq.ft.
• Provide price for gypsum board replacement.	\$/Sq.ft.
• Provide price for R-19 batt insulation replacement.	\$ Sq.ft.

By completing and submitting this form and all other documents within this bid submission, the undersigned proposer hereby certifies and understands that:

- 1. he/she is verifying that all information provided herein is, to the best of his/her knowledge, true and accurate, and that if BCHA discovers that any information entered herein to be false, such shall entitle BCHA to not consider or make award of to cancel any award with the undersigned party;
- 2. he/she is agreeing to abide by all terms and conditions pertaining to this solicitation document as issued by BCHA including an agreement to execute a contract form; and
- 3. he/she has the ability to sign and bind the firm or company to the services to be performed within the fees proposed.

Signature	
Title	

Date Signed	
Printed Name	
Firm or Company	
Telephone #	

Service:

Service is to be completed **within 65 calendar days** after the date permit is ready for pick-up. Failure to meet this service date may be deemed as non-responsive.

ATTACHMENT A

General Decision Number: FL180099 01/05/2018 FL99

Superseded General Decision Number: FL20170099

State: Florida

Construction Type: Residential

County: Broward County in Florida.

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

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification	Number	Publication	Date
0		01/05/2018	

ELEC0728-002 03/01/2017

	Rates	Fringes
ELECTRICIAN	\$ 30.50	11.43
ENGI0487-012 07/01/2013		
	Rates	Fringes
OPERATOR: Backhoe OPERATOR: Crane All Tower Cranes (Must have 2 operators) Mobile, Rail, Climbers, Static- Mount; All Cranes with Boom Length 150 Feet & Over (With or without jib) Friction, Hydro, Electric or Otherwise; Cranes 150 Tons & Over (Must have 2 operators); Cranes with 3 Drums (When 3rd drum is	\$ 28.32	8.80

rigged for works Cost		
rigged for work); Gantry & Overhead Cranes; Hydro Cranes Over 25 Tons but not more than 50 Tons	x	
(Without Oiler/Apprentice); Hydro/Friction Cranes without Oiler/Apprentices when Approved by Union; & All Type of Flying Cranes. Cranes with Boom Length Less than 150 Feet (With or without jib); Hydro Cranes 25 Tons & Under, &	\$ 29.05	8.80
Over 50 Tons (With Oiler/Apprentice) OPERATOR: Oiler	\$ 22.99	8.80 8.80
* IRON0272-003 10/01/2017	e men dan gan dan dan dan dan dan dan dan dan dan d	
	Rates	Fringes
IRONWORKER, ORNAMENTAL, REINFORCING AND STRUCTURAL		
LAB01652-002 06/01/2013		
	Rates	Fringes
LABORERS Common or General Plaster Tender	.\$ 15.00	4.92 4.92
PAIN0365-005 07/01/2017		
	Rates	Fringes
PAINTER, Includes Brush, Roller and Spray (Excludes Drywall Finishing/Taping)		9.61
* SFFL0821-003 07/01/2017		
	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)		18.34
SHEE0032-007 12/01/2013		
	Rates	Fringes
SHEET METAL WORKER, Includes HVAC Duct Installation (Excludes Metal Roof		
Installation)	\$ 23.50	12.18
SUFL2009-095 06/08/2009		
		Fringes

BRICKLAYER\$ 20.00	0.00
CARPENTER, Includes Cabinet Installation (Excludes Drywall Hanging)\$ 21.17	0.86
CEMENT MASON/CONCRETE FINISHER\$ 16.19	0.00
DRYWALL FINISHER/TAPER\$ 19.22	0.00
DRYWALL HANGER\$ 15.69	0.00
FENCE ERECTOR\$ 11.00	0.00
GLAZIER\$ 20.00	0.00
HVAC MECHANIC (Installation of HVAC Unit Only, Excludes Installation of HVAC Pipe and Duct)\$ 13.75	0.00
LABORER: Mason Tender - Brick\$ 11.51	0.00
LABORER: Mason Tender - Cement/Concrete\$ 10.46	0.00
LABORER: Pipelayer\$ 11.79	0.00
LABORER: Roof Tearoff\$ 9.00	0.00
LABORER: Landscape and Irrigation\$ 9.15	0.00
OPERATOR: Asphalt Paver\$ 11.63	0.00
OPERATOR: Backhoe Loader Combo\$ 17.04	0.00
OPERATOR: Bulldozer\$ 13.67	0.00
OPERATOR: Distributor\$ 11.41	0.00
OPERATOR: Excavator\$ 13.50	0.00
OPERATOR: Forklift\$ 17.50	0.00
OPERATOR: Grader/Blade\$ 15.50	0.00
OPERATOR: Loader\$ 16.48	0.00
OPERATOR: Roller\$ 10.62	0.00
OPERATOR: Screed\$ 10.93	0.00
OPERATOR: Trackhoe\$ 15.68	0.00
OPERATOR: Tractor\$ 10.20	0.00
PLUMBER\$ 25.00	1.17

ROOFER, Includes Built Up, Modified Bitumen, and Shake & Shingle Roofs (Excludes Metal Roofs)\$ 14.50	0.00
ROOFER: Metal Roof\$ 16.99	0.00
TILE SETTER\$ 16.65	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.

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.

END OF GENERAL DECISION

BROWARD COUNTY HOUSING AUTHORITY SOLICITATION NUMBER QR 18-264 REQUEST FOR QUOTATION ROOF REPAIRS FOR AUBURN GARDENS APARTMENTS

PROFILE OF FIRM FORM – ATTACHMENT B

1. Proposer InformationName of FirmAddressAddressCity, State, ZipTelephoneFaxFaxE-Mail AddressYear EstablishedYear Established in FloridaFormer Names (if applicable)Parent Company and Date
Acquired (if applicable)

2. Complete and attach IRS Form W-9, found at <u>http://www.irs.gov/pub/irs-pdf/fw9.pdf</u>. This completed form should be submitted with the proposal, or must be submitted within three (3) working days of the BCHA's request.

3. Debarred Statement: Has the firm, or any principal(s) ever been debarred from providing any services to the federal government, any state government, or any local government agency?
□ Yes □ No

If yes, please attach a full detailed explanation, including dates, circumstances and current status.

- 4. Disclosure Statement: Does this firm or any principal(s) have any current, past personal or professional relationship with any Commissioner or Officer of BCHA?
 □ Yes □ No
 If yes, please attach a full detailed explanation, including dates, circumstances and current status.
- 5. This business is owned and operated by persons at least 51% of the following ethnic background: Asian/Pacific □ / Black □ /Hasidic Jew □ /Hispanic □ /Native□ Americans /White □
- 6. This business qualifies as: Section 3 \square / Small Business \square / Woman Owned \square
- 7. Non-Collusive Affidavit: The undersigned party submitting this proposal hereby certifies that such proposal is genuine and not collusive and that said proposer entity has not colluded, conspired, connived or agreed, directly

or indirectly, with any proposer or person, to put in a sham proposal or to refrain from proposing, and has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the proposal fee of affiant or of any other proposer, to fix overhead, profit, or cost element of said proposal fee, or that of any other proposer or to secure any advantage against BCHA or any person interested in the proposed contract; and that all statements in said proposal are true. Continue on next page.

tion
NOT APPLICABLE (N/A)

6. Licensing and Insurance Information

7. Copies of license and insurance certificates should be submitted with the proposal, or must be submitted within three (3) working days of the BCHA's request.

8. Verification Statement: The undersigned proposer hereby states that by completing and submitting this form he/she is verifying that all information provided herein is, to the best of his/her knowledge, true and accurate, and agrees that if BCHA discovers that any information entered herein to be false, such shall entitle BCHA to not consider or make award of to cancel any award with the undersigned party.

Signature	
Title	
Date Signed	
Printed Name	
Firm or Company	

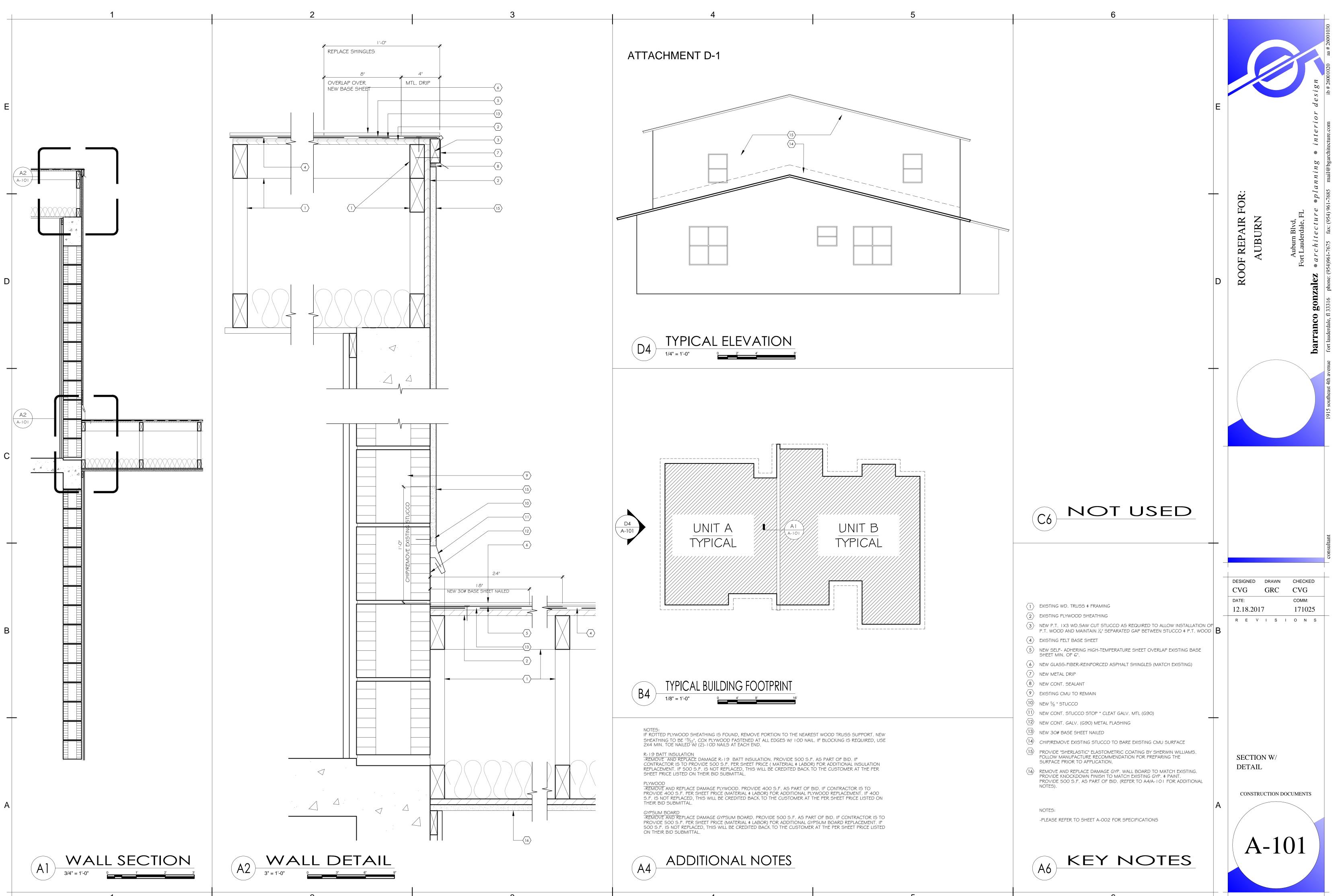
BROWARD COUNTY HOUSING AUTHORITY SOLICITATION NUMBER QR 18-264 REQUEST FOR QUOTATION ROOF REPAIRS SERVICES FOR AUBURN GARDENS APARTMENT

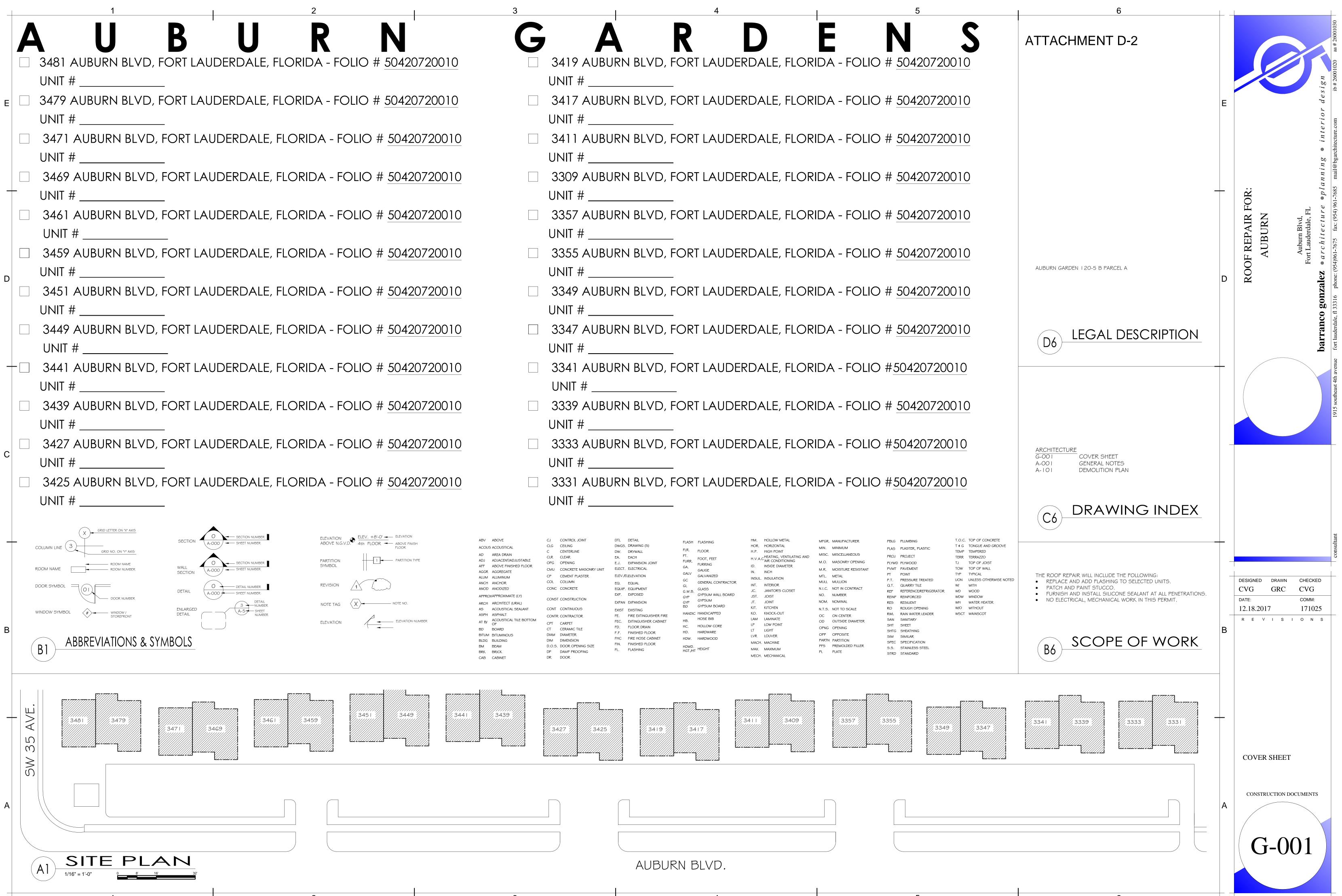
PROPOSED SERVICES – ATTACHMENT C

Instructions: Complete this form by indicating the appropriate response or by indicating "N/A" if not applicable. Attach additional sheets if necessary.

1. Describe the methodology, equipment, and supplies to be utilized to perform services as described in the Scope of Work section.

2. Describe the experience of the company and staff expected to be assigned to this contract.





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Z EX PART I .O - GENERA OI GENERAL DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2014 EDITION WITH ALL REVISIONS AND ERRATA'S APPLICABLE TO THE JURISDICTION OF WHICH IT IS BEING CONSTRUCTED IN.

I .02 THE GENERAL CONTRACTOR AS MENTIONED HEREIN, IS DEFINED AS THE ENTITY TO WHICH HAS THE CONTRACTUAL AGREEMENT WITH THE OWNER FOR THE FULL CONSTRUCTION OF THE PROJECT AND WHICH INCLUDES ANY AND ALL OTHER PARTIES CONTRACTUALLY OBLIGATED TO THE GENERAL CONTRACTOR TO COMPLETE THIS PROJECT.

- 1.03 THE CONTRACT DOCUMENTS ARE DESIGNED IN ACCORDANCE WITH ALL GOVERNING CODES. REGULATIONS. CITIES. MUNICIPALITIES AND BUILDING OFFICIALS HAVING JURISDICTION. THE GENERAL CONTRACTOR SHALL CONSTRUCT AND BE RESPONSIBLE FOR THE BUILDING AND ALL RELATED SITE WORK. THE CONTRACTOR SHALL COORDINATE WORK WITH EACH APPROPRIATE TRADE DISCIPLINE TO ASSURE NO CONFLICT OR OMISSION OF ANY REQUIRED OR SPECIFIED COMPONENT FOR A COMPLETE AND FUNCTIONAL PROJECT.
- 1.04 BEFORE COMMENCEMENT OF ANY WORK ON THE SITE, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE FAMILIAR WITH ALL THE CONDITIONS OF THIS PROJECT: THE CONTRACTORS AND SUBCONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS AND OTHER CONTRACT DOCUMENTS RELATIVE TO THE PORTION OF THE WORK. AS WELL AS ANY INFORMATION FURNISHED BY THE OWNER. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL TAKE FIELD MEASUREMENTS OF ANY EXISTING CONDITIONS RELATED TO THAT PORTION OF THE WORK AND SHALL OBSERVE ANY CONDITION AT THE SITE AFFECTING IT. THESE OBLIGATIONS ARE FOR THE PURPOSE PURPOSE OF DISCOVERING ERRORS, OMISSIONS, AND INCONSISTENCIES IN THE CONTRACT DOCUMENTS; HOWEVER ANY ERRORS, INCONSISTENCIES OF OMISSIONS FOUND BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT. WHERE THE CONTRACTOR OR SUBCONTRACTORS ELECT NOT TO VERIFY DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK OR NOTIFY THE ARCHITECT OF RECORD OR THE OWNER OF ANY DISCREPANCIES. THE GENERAL CONTRACTOR OR SUBCONTRACTOR WILL ASSUME ANY AND ALL LIABILITIES FOR ANY AND ALL CORRECTIONS, REPLACEMENTS AND LABOR TO MAKE-WORK IN ACCORDANCE TO CONTRACT DOCUMENTS.
- 1.05 GENERAL CONTRACTOR AND SUBCONTRACTORS TO PROVIDE ALL REQUIRED OR NECESSARY MATERIALS. EQUIPMENT OR COMPONENTS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL INSTALLATION, INCLUDING ALL OBVIOUSLY NECESSARY ITEMS EVEN THOUGH SUCH ITEMS ARE NOT INDICATED WITHIN THE CONSTRUCTION DOCUMENTS. ALL CONSTRUCTION METHODS. MATERIALS. ETC. SHALL MEET OR EXCEED ANY AND ALL APPLICABLE BUILDING CODES, STANDARDS AND OR ORDINANCES.
- 1.0G IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTOR. TO BID AND BUILD FROM THE MOST UP-TO-DATE AND COMPLETE SET OF CONSTRUCTION DOCUMENTS. THE RELEASE AND USE OF PARTIAL SETS OF CONSTRUCTION DOCUMENTS DURING BIDDING AND/OR CONSTRUCTION SHALL NOT RELIEVE THE GENERAL CONTRACTOR OR SUBCONTRACTOR OF THEIR RESPONSIBILITY FOR THEIR WORK OR THE COORDINATION OF IT WITH WORK BY ALL TRADES.
- 1.07 WRITTEN DIMENSIONS GOVERN. DO NOT SCALE DRAWINGS. IF REQUIRED DIMENSIONS ARE NOT INDICATED OR DIMENSIONS CONFLICT OR SEEM TO BE IN ERROR, PROMPTLY NOTIFY THE ARCHITECT FOR RESOLUTION.
- 1.08 IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUBCONTRACTOR ____AND ALL THEIR FORCES TO BE AWARE OF ALL COMMENTS MADE BY THE JURISDICTIONAL BUILDING DEPARTMENT UPON THE OFFICIAL SIGNED AND SEALED CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL MAINTAIN A PROJECT FIELD SET AND SHALL INCORPORATE ALL APPROVED CHANGES WITHIN THE SCOPE OF WORK. IT SHALL ALSO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO NOTIFY THE ARCHITECT OF ANY AND ALL FIELD CHANGES ORDERED BY THE JURISDICTIONAL INSPECTORS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE WORK REQUIRED BY THESE DOCUMENTS WITH ALL TRADES INCLUDING AND NOT LIMITED TO STRUCTURAL, MECHANICAL, PLUMBING ELECTRICAL AND CIVIL DISCIPLINES.
- 1.09 STANDARDS CITED HEREIN; THE CODES, SPECIFICATIONS AND OTHER STANDARDS NOTED AND CITED IN THESE CONTRACT DOCUMENT AS PRODUCED BY THE ARCHITECT AND HIS CONSULTANTS ARE HEREIN INCORPORATED AS IF FULLY SET FORTH IN DOCUMENT. THESE NOTES PROVIDE SUPPLEMENTAL INFORMATION NECESSARY FOR THE APPLICATION OF THESE CODES. SPECIFICATIONS AND OTHER STANDARDS BY THE GENERAL CONTRACTOR AND SUBCONTRACTOR AND EMPHASIZE CERTAIN REQUIREMENTS OF THESE CODES. SPECIFICATIONS AND STANDARDS THESE NOTES SHALL NOT BE CONSTRUED BY ANYONE TO BE ALL-INCLUSIVE OF, OR TO REPLACE OR ALLEVIATE, IN WHOLE OR PART, ANY OF THE CODES, SPECIFICATIONS AND STANDARDS CITED HEREIN. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE KNOWLEDGEABLE OF. AND SHALL AVAIL THEMSELVES TO THESE CODES SPECIFICATIONS AND OTHER STANDARDS AND APPLY THEM TO THE WORK.
- 1.10 SUBSTITUTIONS RECEIVED AFTER BIDDING WILL BE REVIEWED AT THE DISCRETION OF THE ARCHITECT. ALL SUBSTITUTIONS MUST BE EQUAL OR BETTER THAN ITEM SPECIFIED DEMONSTRATING COMPATIBILITY OF PERFORMANCE, OPERATION AND AESTHETIC QUALITY TO THAT OF THE SPECIFIED ITEM. SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT IN THE FORM OF AN "ALTERNATE TO CONSTRUCTION DOCUMENTS SPECIFICATION" LETTER STATING EACH ITEM TO BE SUBSTITUTED. ALONG WITH CUT SHEETS FOR BOTH THE SPECIFIED PRODUCT AND ALTERNATE. ALLOW TEN (10) DAYS REVIEW PERIOD FROM ARCHITECT'S RECEIPT OF SUBSTITUTION SUBMITTAL. ARCHITECT WILL DETERMINE ACCEPTABILITY OF ANY AND ALL SUBSTITUTIONS. ALL APPROVALS FOR SUBSTITUTIONS MUST BE OBTAINED PRIOR TO SUBMITTAL FOR SHOP DRAWING REVIEW . THE CONTRACTOR AND SUBCONTRACTORS BEAR ALL ADDITIONAL COSTS OF UNACCEPTABLE SUBSTITUTION IF USED IN ORIGINAL BID BEARS ALL ADDITIONAL COST FOR REMEDY IF UNAPPROVED SUBSTITUTION IS UTILIZED, DISCOVERED AND UNACCEPTABLE. SUBSTITUTIONS WILL NOT BE CONSIDERED DUE TO SUB-CONTRACTORS LACK OF PROPER AND TIMELY ORDERING, SCHEDULING AND/OR PLANNING.
- 1.11 SUBMIT FIVE (5) COPIES OF ALL SHOP DRAWINGS AND SIX (6) COPIES OF ALL PRODUCT SUBMITTALS REQUESTED BY THE ARCHITECT AND/OR THE JURISDICTIONAL AUTHORITY AND/OR GENERAL CONTRACTOR. REQUIRED FOR ALL CUSTOM FABRICATED WORK OR AS REQUESTED HEREIN. A MINIMUM OF TEN (10) WORKING DAYS SHOULD BE ESTIMATED FOR PROPER REVIEW OF SHOP DRAWINGS AND SUBMITTALS
- 1.12 THE FOLLOWING SHOP DRAWINGS WILL BE REQUIRED FOR THE RELATED A. SECTION INCLUDES: WORK (THE PRODUCTION OF THE REQUIRED SHOP DRAWING SHALL NOT BE CONSIDERED ANY EXTRA) THE FOLLOWING PRODUCT SUBMITTAL CUT SHEETS WILL BE REQUIRED FOR THE RELATED WORK: ELECTRICAL SWITCHGEAR, LIGHTING, FIRE ALARM, HVAC EQUIPMENT, ROOF MEMBRANE, INSULATION AND FLASHINGS CONCRETE, DOOR AND HARDWARE, RESTROOM ACCESSORIES AND FINISHES, STRUCTURAL STEEL, REINFORCED STEEL, MISCELLANEOUS STEEL, GLAZING SYSTEMS, CONCRETE, PLUMBING, WATERPROOFING SYSTEMS, MILLWORK, FIRE SPRINKLER, FOUNTAINS / FOUNTAIN COMPONENTS AND EXTERIOR FINISH.
- 1.13 THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL ACQUIRE ALL NECESSARY PRODUCT APPROVALS USED AND INSTALLED ON THIS PROJECT AS WELL AS ANY ADDITIONAL COUNTY AND LOCAL JURISDICTION REQUIRING ADDITIONAL DATA, CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER TO CERTIFY APPLICATION OF SAID PRODUCT IN ACCORDANCE TO THE CODE HAVING JURISDICTION.
- 1.14 IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO REVIEW ALL SHOP DRAWINGS AND SUBMITTALS PRIOR TO SUBMITTING SAME TO THE ARCHITECT. THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFYING ACTUAL EXISTING CONDITIONS RELATING TO SHOP DRAWINGS AND/OR SUBMITTALS.
- 1.15 WORK SHALL NOT COMMENCE WITHOUT RELATED SHOP DRAWINGS AND/OR SUBMITTALS BEING APPROVED. THE GENERAL CONTRACTOR AND SUBCONTRACTORS BEAR RESPONSIBILITY OF ALL COSTS IF CHANGES ARE

REQUIRED OF WORK THAT HAS BEEN PERFORMED WITHOUT PRIOR REVIEW AND APPROVAL OF SHOP DRAWINGS AND/OR SUBMITTALS.

- I.IG ALL MATERIALS SHALL BE NEW, FREE OF ALL DEFECTS AND SUITABLE FOR THE INTENDED USE AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS ANDZ INDUSTRY STANDARDS.
- MAINTAIN THROUGH-OUT THE LENGTH OF CONSTRUCTION A FULL AND CURRENT SET OF ACCURATE "AS-BUILT" DRAWINGS. UPON COMPLETION OF THIS PROJECT SUCH DRAWINGS WILL BE PRESENTED TO THE OWNER FOR HIS PERMANENT RECORDS AND INFORMATION.

PART 5.0 - METALS

5.01 PROVIDE ALL STRUCTURAL STEEL, MISCELLANEOUS METALS, METAL DECKING, PLATES, BOLTS, ETC., REQUIRED FOR THIS WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS / STRUCTURAL DRAWINGS OR REQUIRED FOR A A. INSTALLER QUALIFICATIONS: MANUFACTURER'S AUTHORIZED REPRESENTATIVE WHO COMPLETE AND OPERATIONAL FACILITY.

5.02 ALL MATERIALS SHALL BE NEW, SUITABLE FOR THE INTENDED USE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPROVED SHOP DRAWINGS.

5.03 ALL STRUCTURAL STEEL STUDS SHALL BE GALVANIZED, SIZES AND GAUGE AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

5.04 ALL EXPOSED STEEL USED AS STRUCTURAL, DECORATIVE OR ARCHITECTURAL FEATURES SHALL BE MIN. G-90 GALVANIZED. FASTENERS USED IN EXPOSED CONDITION SHALL BE GALVANIZED UNLESS OTHERWISE INDICATE TO BE STAINLESS C. PREINSTALLATION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE. STEEL

PART 6.0 - WOOD

6.01 PROVIDE ALL REQUIRED, NAILS, BOLTS, SCREWS, FRAMING ANCHORS, AND THE LIKE ITEMS NEEDED FOR ROUGH AND FINISHED CARPENTRY IN THIS WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS OR REQUIRED FOR A COMPLETE AND OPERABLE FACILITY.

6.03 ALL WOOD USED IN CONNECTION WITH ROOFING, FLASHING WATERPROOFING, ALL MEMBERS IN CONTACT WITH MASONRY, AND ALL MEMBERS LESS THAN 24" ABOVE THE GROUND SHALL BE PRESSURE TREATED.

6.04 SECURELY ATTACH CARPENTRY WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS INDICATED AND AS REQUIRED BY RECOGNIZED STANDARDS. 6.05 PROVIDE FIRE TREATED WOOD STUD EACH SIDE OF ALL RECESSED

EQUIPMENT AND ACCESSORIES, DOOR JAMBS, ETC. 6.06 PROVIDE WOOD GROUNDS, NAILERS AND SLEEPERS WHERE INDICATED ON

DRAWINGS AND AS REQUIRED. PROVIDE ALL WORKMANSHIP IN ACCORDANCE WITH (AWI) AMERICAN WOODWORKING INSTITUTE AND (WIC) WOOD INSTITUTE OF CALIFORNIA, QUALITY STANDARDS.

6.07 WHERE WOOD IS REQUIRED AND IS CONCEALED SAID WOOD MUST BE FIRE RETARDANT TREATED WOOD. PART 7.0 - THERMAL & MOISTURE PROTECTION

7.01 ALL NEW SLAB ON GRADE FLOORS TO BE UNDERLAYED WITH A VAPOR BARRIER. VAPOR BARRIER SHALL BE MIN. 6 MIL ("VISQUEEN") POLYETHYLENE AND LOCATED BELOW ALL INTERIOR FLOOR SLABS, WITH OVERLAPPING OF MATERIAL NOT LESS THAN SIX INCHES (6") AND TAPPED SEALED.

7.02 PROVIDE ALL INSULATION WITH AN (AGED) R-VALUE. AS SPECIFIED WITHOUT GAPS OR VOIDS USING NEW AND UNDAMAGED MATERIALS.

FI-FOIL COMPANY, PO BOX 800, AUBURNDALE, FLORIDA 33823, TOLL FREE (800) 448-3401. PHONE (863) 965-1846. FAX (863) 967-0137. WEB SITE WWW.FIFOIL.COM. E-MAIL CUSTSERV@FIFOIL.COM.

REFLECTIVE INSULATION: FI-FOIL VR PLUS SHIELD. SUBMIT MANUFACTURER'S PRODUCT DATA, INCLUDING INSTALLATION INSTRUCTIONS. INDICATE COMPLIANCE WITH MATERIAL REQUIREMENTS.

2.03 ROOFING SYSTEM- SECTION 07311 - ASPHALT SHINGLES

PART I PART 2 - GENERAL

I RELATED DOCUMENT

A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION I SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

B. SCOPE OF WORK:

- I. REMOVE EXISTING SHINGLE ROOF SYSTEM DOWN TO THE WOOD DECK. 2. CONTRACTOR IS TO INCLUDE 400 SQ. FT. IN PLYWOOD DECKING REPLACEMENT
- IN THE BASE BID. 3. CONTRACTOR IS TO PROVIDE SQ. FT. PER SHEET PRICE (MATERIAL & LABOR) FOR ADDITIONAL DECKING REPLACEMENT. IF SQ. FT. IS NOT REPLACED, THIS WILL BE CREDITED BACK TO THE CUSTOMER AT THE PER SHEET PRICE LISTED ON THEIR BID SUBMITTAL. (PLEASE REFER TO A4/A-101 FOR ADDITIONAL NOTES FOR PLYWOOD.INSULATION AND PLYWOOD).
- 4. MECHANICALLY FASTEN ON PLY OF VIKING AOB BASE SHEET.
- 5. APPLY ON PLY OF VIKING UDL SHINGLE. 6. INSTALL NEW DIMENSIONAL SHINGLE.
- 7. INSTALL ALL NEW EDGE METAL AND GUTTERS USING 032 OR 040 KYNAR COATED ALUMINIJM

[TYPE TEXT]

AUBURN GARDENS SHINGLE SPECIFICATION ASPHALT SHINGLES 073 | | - 7

I.I SUMMARY

- I. ASPHALT SHINGLES 2. UNDERLAYMENT.
- 3. SELF-ADHERING SHEET UNDERLAYMENT.
- B. RELATED SECTIONS
- I. DIVISION 6 SECTION "ROUGH CARPENTRY" FOR WOOD FRAMING AND SHEATHING. 2. DIVISION 7 SECTION "SHEET METAL FLASHING AND TRIM" FOR METAL ROOF PENETRATION FLASHINGS, COUNTER FLASHINGS AND FLASHINGS.

1.2 DEFINITION

- A. ROOFING TERMINOLOGY: SEE ASTM D 1079 AND GLOSSARY OF NRCA'S "THE NRCA ROOFING AND WATERPROOFING MANUAL" FOR DEFINITIONS OF TERMS RELATED TO ROOFING WORK IN THIS SECTION.
- 1.3 SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

- B. SAMPLES FOR INITIAL SELECTION: FOR EACH TYPE OF ASPHALT SHINGLE RIDGE AND 2.3 ACCESSORIES HIP CAP SHINGLES AND] EXPOSED VALLEY LINING INDICATED. I. INCLUDE SIMILAR SAMPLES OF TRIM AND ACCESSORIES INVOLVING COLOR A. ASPHALT ROOFING CEMENT: ASTM D 4586, TYPE II, ASBESTOS FREE. SELECTION
- SAMPLES FOR VERIFICATION: FOR THE FOLLOWING PRODUCTS, OF SIZES INDICATED, TO VERIFY COLOR SELECTED:

2. BUTT EDGE: STRAIGHT CUT

NONPERFORATED.

2. TAS 103

SPECIFICATIONS

2. RIDGE AND HIP CAP SHINGLES: FULL SIZE.

FOR ASPHALT SHINGLES.

PROJECT

I. ASPHALT SHINGLE: FULL SIZE.

- 3. EXPOSED VALLEY LINING: 12 INCHES SQUARE.
- 4. SELF-ADHERING UNDERLAYMENT: 12 INCHES SQUARE.

D. QUALIFICATION DATA: FOR QUALIFIED INSTALLER

1.17 THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PREPARE AND E. PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY MANUFACTURER AND WITNESSED BY A QUALIFIED TESTING AGENCY,

MAINTENANCE DATA: FOR EACH TYPE OF ASPHALT SHINGLE TO INCLUDE IN

MAINTENANCE MANUALS. G. WARRANTIES: SAMPLE OF SPECIAL WARRANTIES.

1.4 QUALITY ASSURANCE

- IS TRAINED AND APPROVED FOR INSTALLATION OF UNITS REQUIRED FOR THIS
- B. FIRE-RESISTANCE CHARACTERISTICS: WHERE INDICATED. PROVIDE ASPHALT SHINGLES AND RELATED ROOFING MATERIALS IDENTICAL TO THOSE OF ASSEMBLIES FESTED FOR FIRE RESISTANCE PER TEST METHOD BELOW BY UL OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING
- JURISDICTION. IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AGENCY I. EXTERIOR FIRE-TEST EXPOSURE: CLASS A; ASTM E 108 OR UL 790, FOR APPLICATION AND ROOF SLOPES INDICATED.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. STORE ROOFING MATERIALS IN A DRY, WELL-VENTILATED, WEATHERTIGHT LOCATION ATTACHED. ACCORDING TO ASPHALT SHINGLE MANUFACTURER'S WRITTEN INSTRUCTIONS. STORE UNDERLAYMENT ROLLS ON END ON PALLETS OR OTHER RAISED SURFACES. DO NOT DOUBLE STACK ROLLS
 - HANDLE, STORE, AND PLACE ROOFING MATERIALS IN A MANNER TO AVOID SIGNIFICANT OR PERMANENT DAMAGE TO ROOF DECK OR STRUCTURAL SUPPORTING MEMBERS.
- B. PROTECT UNUSED UNDERLAYMENT FROM WEATHER, SUNLIGHT, AND MOISTURE WHEN LEFT OVERNIGHT OR WHEN ROOFING WORK IS NOT IN PROGRESS.

1.6 PROJECT CONDITIONS

A. ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL ASPHALT SHINGLES UNTIL SPACES ARE ENCLOSED AND WEATHERTIGHT, WET WORK IN SPACES IS COMPLETE AND DRY, AND TEMPORARY HVAC SYSTEM IS OPERATING AND MAINTAINING AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS AT OCCUPANCY B. PREPARE WRITTEN REPORT, ENDORSED BY INSTALLER, LISTING CONDITIONS LEVELS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD. . INSTALL SELF-ADHERING SHEET UNDERLAYMENT WITHIN THE RANGE OF AMBIENT AND SUBSTRATE TEMPERATURES RECOMMENDED BY MANUFACTURER.

1.7 WARRANTY

- A. SPECIAL WARRANTY: STANDARD FORM IN WHICH MANUFACTURER AGREES TO WITHIN SPECIFIED WARRANTY PERIOD.
- I. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: a. MANUFACTURING DEFECTS.
- b. STRUCTURAL FAILURES INCLUDING FAILURE OF ASPHALT SHINGLES TO SELF-SEAL AFTER A REASONABLE TIME.
- . MATERIAL WARRANTY PERIOD: 25 YEARS FROM DATE OF SUBSTANTIAL COMPLETION, PRORATED, WITH FIRST FIVE YEARS NONPRORATED. 3 WIND-SPEED WARRANTY PERIOD: ASPHALT SHINGLES WILL RESIST BLOW-OFF OR DAMAGE CAUSED BY WIND SPEEDS UP TO 150 MPH FOR 10 YEARS FROM DATE
- OF SUBSTANTIAL COMPLETION. 4. ALGAE-DISCOLORATION WARRANTY PERIOD: ASPHALT SHINGLES WILL NOT DISCOLOR LO YEARS FROM DATE OF SUBSTANTIAL COMPLETION
- COMPLETION. B. SPECIAL PROJECT WARRANTY: ROOFING INSTALLER'S WARRANTY, OR WARRANTY
- FORM AT END OF THIS SECTION, SIGNED BY ROOFING INSTALLER, COVERING THE WORK OF THIS SECTION. IN WHICH ROOFING INSTALLER AGREES TO REPAIR OR REPLACE COMPONENTS OF ASPHALT SHINGLE ROOFING THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD I. WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

- 1.8 EXTRA MATERIALS FURNISH EXTRA MATERIALS THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS
- DESCRIBING CONTENTS. I. ASPHALT SHINGLES: I OO SQ. FT OF EACH TYPE, IN UNBROKEN BUNDLES.

PART 2 - PRODUCTS

- 2.1 GLASS-FIBER-REINFORCED ASPHALT SHINGLES
- MULTI-PLY OVERLAY CONSTRUCTION, GLASS-FIBER REINFORCED, MINERAL-GRANULE SURFACED. AND SELF-SEALING.
- BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS. PROVIDE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING
- a. ATLAS ROOFING CORPORATION
- b. CERTAINTEED CORPORATION. c. ELK PREMIUM BUILDING PRODUCTS, INC.; AN ELKCORP COMPANY.
- d. EMCO BUILDING PRODUCTS CORP.
- e. GAF MATERIALS CORPORATION.
- 3. STRIP SIZE: MANUFACTURER'S STANDARD.

4. ALGAE RESISTANCE: GRANULES TREATED TO RESIST ALGAE DISCOLORATION

- 5. COLOR AND BLENDS: MATCH EXISTING. 6. WIND-RESISTANCE TESTS: ASTM D7158, CLASS H (150 MPH)
- 7. FIRE-RESISTANCE TEST: ASTM E 108 OR UL 790, CLASS A

2.2 UNDERLAYMENT MATERIALS

- A. FELT: ASTM D 226, TYPE II, ASPHALT-SATURATED ORGANIC FELTS, I. ACCEPTABLE MANUFACTURERS:
 - a. THE GARLAND COMPANY/COMMERCIAL INNOVATIONS: VIKING AOB
- SELF-ADHERING, HIGH-TEMPERATURE SHEET: VIKING UDL SHINGLE: MINIMUM 60 MILS THICK, CONSISTING OF SLIP-RESISTING POLYETHYLENE-FILM TOP SURFACE LAMINATED TO LAYER OF BUTYL OR SBS-MODIFIED ASPHALT ADHESIVE, WITH RELEASE-PAPER BACKING; COLD APPLIED. PROVIDE PRIMER WHEN RECOMMENDED
- BY UNDERLAYMENT MANUFACTURER. I. THERMAL STABILITY: ASTM D 1970; STABLE AFTER TESTING AT 240 DEG F.
- 3. LOW-TEMPERATURE FLEXIBILITY: ASTM D 1970; PASSES AFTER TESTING AT MINUS 20 DEG F.

4. ACCEPTABLE MANUFACTURERS a. THE GARLAND COMPANY/COMMERCIAL INNOVATIONS: VIKING UDL SHINGLE SA E. INSTALL PER NOA.

- B. ROOFING NAILS: ASTM F 1667; STAINLESS-STEEL WIRE SHINGLE NAILS. MINIMUM A. WHEREAS <INSERT NAME> OF <INSERT ADDRESS>, HEREIN CALLED THE "ROOFING 0.120-INCH- DIAMETER, BARBED SHANK, SHARP-POINTED, WITH A MINIMUM 3/8-INCH- DIAMETER FLAT HEAD AND OF SUFFICIENT LENGTH TO PENETRATE 3/4 INCH (19 MM) INTO SOLID WOOD DECKING OR EXTEND AT LEAST 5/8 INCH THROUGH

- C. FELT UNDERLAYMENT NAILS: STAINLESS-STEEL WIRE WITH LOW-PROFILE CAPPED 4. ADDRESS: <INSERT ADDRESS> HEADS OR DISC CAPS, I-INCH MINIMUM DIAMETER.
- 2.4 METAL FLASHING AND TRIM

SAME METAL AS FLASHING.

PLYWOOD SHEATHING

- A. GENERAL: COMPLY WITH REQUIREMENTS IN DIVISION 7 SECTION "SHEET METAL FLASHING AND TRIM."
- I. SHEET METAL: 040 ALUMINUM
- B. FABRICATE SHEET METAL FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS IN SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF THE ITEM. . APRON FLASHINGS: FABRICATE WITH LOWER FLANGE A MINIMUM OF 5 INCHES CONDITIONS HEREIN SET FORTH, THAT DURING WARRANTY PERIOD HE WILL. AT HIS
- OVER AND 4 INCHES BEYOND EACH SIDE OF DOWNSLOPE ASPHALT SHINGLES AND 6 INCHES UP THE VERTICAL SURFACE. . OPEN-VALLEY FLASHINGS: FABRICATE IN LENGTHS NOT EXCEEDING 10 FEET WITH
- I-INCH- HIGH, INVERTED-V PROFILE AT CENTER OF VALLEY AND EQUAL FLANGE WIDTHS OF 12 INCHES
- 3. DRIP EDGES: FABRICATE IN LENGTHS NOT EXCEEDING 10 FEET WITH 4-INCH ROOF-DECK FLANGE AND 4-INCH FASCIA FLANGE WITH 3/8-INCH DRIP AT LOWER EDGE. 040 ALUMINUM.
- C. VENT PIPE FLASHINGS: ASTM B 749, TYPE L51121, AT LEAST 1/16 INCH THICK. PROVIDE LEAD SLEEVE SIZED TO SLIP OVER AND TURN DOWN INTO PIPE, SOLDERED TO SKIRT AT SLOPE OF ROOF, AND EXTENDING AT LEAST 8 INCHES FROM PIPE ONTO ROOF
- D. GUTTERS: RESIDENTIAL GUTTERS TO BE INSTALLED IF GUTTERS ARE CURRENTLY PRESENT. ALL GUTTERS AND DOWNSPOUTS TO BE FABRICATED OUT OF 032 OR 040 ALUMINUM, KYNAR COATED. GUTTERS ARE TO BE REPLACED WHERE PREVIOUSLY
- PART 3 EXECUTION

3.1 EXAMINATION

- A. EXAMINE SUBSTRATES. AREAS. AND CONDITIONS. WITH INSTALLER PRESENT. FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.
- EXAMINE ROOF SHEATHING TO VERIFY THAT SHEATHING JOINTS ARE SUPPORTED BY FRAMING AND BLOCKING OR METAL CLIPS AND THAT INSTALLATION IS WITHIN FLATNESS TOLERANCES
- 2. VERIFY THAT SUBSTRATE IS SOUND, DRY, SMOOTH, CLEAN, SLOPED FOR DRAINAGE. AND COMPLETELY ANCHORED: AND THAT PROVISION HAS BEEN MADE FOR FLASHINGS AND PENETRATIONS THROUGH ASPHALT SHINGLES.
- DETRIMENTAL TO PERFORMANCE OF THE WORK. C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE
- BEEN CORRECTED.
- 3.2 UNDERLAYMENT INSTALLATION
- REPAIR OR REPLACE ASPHALT SHINGLES THAT FAIL IN MATERIALS OR WORKMANSHIP A. GENERAL: COMPLY WITH UNDERLAYMENT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATIONS INDICATED UNLESS MORE STRINGENT REQUIREMENTS APPLY.

- B. INSTALL PER NOA. C. SINGLE-LAYER FELT UNDERLAYMENT: INSTALL ON ROOF DECK PARALLEL WITH AND STARTING AT THE EAVES. LAP SIDES A MINIMUM OF 2 INCHES OVER UNDERLYING
- COURSE. LAP ENDS A MINIMUM OF 4 INCHES. STAGGER END LAPS BETWEEN SUCCEEDING COURSES AT LEAST 72 INCHES. FASTEN WITH ROOFING NAILS. INSTALL FELT UNDERLAYMENT ON ROOF DECK. LAP SIDES OF FELT NOT LESS THAN 3 INCHES IN DIRECTION TO SHED WATER. LAP ENDS OF FELT NOT LESS
- THAN 6 INCHES. 2. INSTALL FASTENERS AT NO MORE THAN 8 INCH O.C WITH TIN TAGS.
- 5. WORKMANSHIP WARRANTY PERIOD: 10 YEARS FROM DATE OF SUBSTANTIAL D. SELF-ADHERING SHEET UNDERLAYMENT: INSTALL, WRINKLE FREE, ON ROOF DECK. COMPLY WITH LOW-TEMPERATURE INSTALLATION RESTRICTIONS OF UNDERLAYMENT MANUFACTURER IF APPLICABLE. INSTALL AT LOCATIONS INDICATED ON DRAWINGS. LAPPED IN DIRECTION TO SHED WATER. LAP SIDES NOT LESS THAN 3-1/2 INCHES. LAP ENDS NOT LESS THAN 6 INCHES STAGGERED 24 INCHES BETWEEN COURSES. ROLL LAPS WITH ROLLER. COVER UNDERLAYMENT WITHIN SEVEN DAYS
 - PRIME CONCRETE AND MASONRY SURFACES TO RECEIVE SELF-ADHERING SHEET E. IN WITNESS THEREOF, THIS INSTRUMENT HAS BEEN DULY EXECUTED THIS < INSERT **UNDERLAYMENT** 2. SIDEWALLS: EXTEND BEYOND SIDEWALL 18 INCHES, AND RETURN VERTICALLY
 - AGAINST SIDEWALL NOT LESS THAN 8 INCHES. 3. DORMERS, CHIMNEYS, SKYLIGHTS, AND OTHER ROOF-PENETRATING ELEMENTS: EXTEND BEYOND PENETRATING ELEMENT 18 INCHES AND RETURN VERTICALLY
 - AGAINST PENETRATING ELEMENT NOT LESS THAN 8 INCHES. E. METAL-FLASHED, OPEN-VALLEY UNDERLAYMENT: INSTALL TWO LAYERS OF 3G-INCH-
 - WIDE SELF-ADHERING SHEET UNDERLAYMENT CENTERED IN VALLEY. STAGGER END LAPS BETWEEN LAYERS AT LEAST 72 INCHES. LAP ENDS OF EACH LAYER AT LEAST 12

INCHES IN DIRECTION TO SHED WATER, AND SEAL WITH ASPHALT ROOFING CEMENT.

3.3 METAL FLASHING INSTALLATION

- LAMINATED-STRIP ASPHALT SHINGLES: ASTM D3462 AND AC438, LAMINATED, A. GENERAL: INSTALL METAL FLASHINGS AND OTHER SHEET METAL TO COMPLY WITH REQUIREMENTS IN DIVISION 7 SECTION "SHEET METAL FLASHING AND TRIM." INSTALL METAL FLASHINGS ACCORDING TO RECOMMENDATIONS IN ARMA'S SEE SHEET A-601
 - "RESIDENTIAL ASPHALT ROOFING MANUAL" AND ASPHALT SHINGLE RECOMMENDATIONS IN NRCA'S "THE NRCA ROOFING AND WATERPROOFING 9.05 PROVIDE PAINT SYSTEM BEST COMMERCIAL SERIES PAINT SYSTEMS BY MANUAL.
 - B. RAKE DRIP EDGES: INSTALL RAKE DRIP EDGE FLASHINGS OVER UNDERLAYMENT AND · EXTERIOR FINISH OVER STUCCO SEE DRAWINGS FASTEN TO ROOF DECK.
 - C. EAVE DRIP EDGES: INSTALL EAVE DRIP EDGE FLASHINGS BELOW UNDERLAYMENT AND · INTERIOR FINISH OVER DRYWALL 3 COAT SYSTEM FLAT ACRYLIC LATEX. FASTEN TO ROOF SHEATHING.
 - D. PIPE FLASHINGS: FORM FLASHING AROUND PIPE PENETRATIONS AND ASPHALT · ALL OTHER AREAS TO BE PER ARCHITECTS APPROVAL. SHINGLES. FASTEN AND SEAL TO ASPHALT SHINGLES AS RECOMMENDED BY MANUFACTURER.
 - E. GUTTERS & DOWNSPOUTS: ALL SEAMS TO BE SEALED WITH TUFF STUFF MS. CEILING SYSTEM TO BE INSTALLED WITH ALL REQUIRED ACCESSORIES AS PER GUTTERS ARE TO SLOPE TO DOWNSPOUTS AWAY FROM BUILDING. 3.4 ASPHALT SHINGLE INSTALLATION
 - A. GENERAL: INSTALL ASPHALT SHINGLES ACCORDING TO MANUFACTURER'S WRITTEN PART 10.00-SPECIALTIES INSTRUCTIONS, RECOMMENDATIONS IN ARMA'S "RESIDENTIAL ASPHALT ROOFING MANUAL." AND ASPHALT SHINGLE RECOMMENDATIONS IN NRCA'S "THE NRCA NOT USED
 - ROOFING AND WATERPROOFING MANUAL." B. INSTALL STARTER STRIP ALONG LOWEST ROOF EDGE, CONSISTING OF AN ASPHALT SHINGLE STRIP WITH TABS REMOVED AT LEAST 7 INCHES WIDE WITH SELF-SEALING STRIP FACE UP AT ROOF EDGE.
 - EXTEND ASPHALT SHINGLES 1/2 INCH OVER FASCIA AT EAVES AND RAKES. 2. INSTALL STARTER STRIP ALONG RAKE EDGE.
 - C. INSTALL FIRST AND REMAINING COURSES OF ASPHALT SHINGLES STAIR-STEPPING DIAGONALLY ACROSS ROOF DECK, WITH MANUFACTURER'S RECOMMENDED OFFSET PATTERN AT SUCCEEDING COURSES, MAINTAINING UNIFORM EXPOSURE.
 - D. FASTEN ASPHALT SHINGLE STRIPS WITH A MINIMUM OF SIX ROOFING NAILS LOCATED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

 - 3.5 ROOFING INSTALLER'S WARRANTY
 - (ROOFING INSTALLER TO PROVIDE A NOTARIZED FORM WITH INFORMATION BELOW)
 - INSTALLER," HAS PERFORMED ROOFING AND ASSOCIATED WORK ("WORK") ON THE FOLLOWING PROJECT:

- I. OWNER: <INSERT NAME OF OWNER> I. WHERE NAILS ARE IN CONTACT WITH METAL FLASHING, USE NAILS MADE FROM 2. ADDRESS: <INSERT ADDRESS>.
 - 3. BUILDING NAME/TYPE: <INSERT INFORMATION>.

6. ACCEPTANCE DATE: <INSERT DATE>.

7. WARRANTY PERIOD: <INSERT TIME>.

AND PENETRATIONS OF THE WORK:

8. EXPIRATION DATE: <INSERT DATE>.

WARRANTY PERIOD.

WATERTIGHT CONDITION

a. LIGHTNING

CONTRACTOR.

2. NAME: <INSERT NAME>.

END OF SECTION 07311

PART 9.0 - FINISHES

TITLE: <INSERT TITLE>

AREAS INDICATED ON DRAWINGS.

c. FIRE:

