I

REQUEST FOR BIDS
INSTRUCTIONS AND SPECIFICATIONS FOR:

Village of Oak Park Fire Station #1 Admin Roof and Village Hall Roof Restoration
Bid Number: 17-120
Issuance Date: 5/17/17

The Village of Oak Park will receive bids from qualified roof restoration companies to restore the existing roofs at Fire Station #1 100 N Euclid and at the Village Hall Center, 123 Madison St., Oak Park, IL 60302. Bids will be accepted at the Public Works Center, 201 South Blvd., Oak Park, IL 60302 Monday through Friday, 7:30 a.m. to 4:00 p.m. until 10:00 a.m. local time on Friday, June 9th, 2017. Bids will be reviewed in private (no public bid opening) and the results of the review will be presented to the Village Board of Trustees of the Village of Oak Park.

Bids must be enclosed in a sealed envelope marked **"Fire Station #1 Admin Roof and Village Hall Roof Restoration"**

There will be a mandatory pre-bid meeting on Wednesday, May 24th, 2017 at 9:00 a.m. at the Main Fire Station 100 N Euclid Oak Park, IL 60302. Specifications and bid forms may be obtained at the Public Works Center at the address listed above or by calling 708-358-5700 or by e-mail request to fgutierrez@oak-park.us .

The Board of Trustees reserves the right to accept or reject any and all bids or to waive technicalities, or to accept any item of any bid. Information is available from the Building Maintenance Superintendent, Vic Sabaliauskas, at 708-358-5710.

The documents constituting component parts of their agreement, comprised of pages, are the following:

Do not detach any portion of this document. Upon formal award to the successful contractor, a written agreement will be executed in substantially the form attached.

Submission of Bids
The bid shall be submitted on the bid forms included herewith. The bid shall be submitted in a sealed envelope and shall bear the return address of the contractor, and shall be addressed as follows:

TO: Vic Sabaliauskas, Building Maintenance Superintendent
Department of Public Works
201 South Blvd.
Oak Park, IL 60302

SECTION I
BID INSTRUCTIONS, TERMS AND CONDITIONS and REFERENCES

Preparation and Submission of Bid:
All bids must be delivered to the Public Works Center by the specified time indicated on the cover page. Bids arriving after the specified time will not be accepted. Mailed bids that are received by the Village after the specified hour will not be accepted regardless of the post-marked time on the envelope. Bids must be signed by an officer of the company who is authorized to enter into agreements on behalf of the company. Bids shall be sealed in an envelope and marked as stated on the cover page. Electronic submission will also be accepted so long as the date and time of the e-mail is before the due date and time.

Contract Bond
The successful contractor shall, within ten (10) calendar days after award of the bid, furnish a contract bond in the amount of one hundred percent (100%) of the contract price. The bond shall ensure faithful performance of the work, and the payment for materials, labor and of the subcontractors. The bond shall be with a surety or sureties with a rating of "A" or better by A.M. Best and Company and such sureties shall be approved by the Village. Bonds in the form of certified or cashier's check shall be made payable to the Village of Oak Park, Illinois. The contract bond shall be furnished in the same number of copies as the number of copies of the agreement to be executed.

Bid Bond
The contractor shall provide a bid bond in the amount of ten percent (10%) of the total bid price. The attached form may be used or the contractor may provide cash or a certified check in the amount specified. The bid bonds, cash or checks will be returned once the selected contractor has entered into an agreement for this work and provided the Contract bond in an amount of one hundred percent (100%) of the total approved bid price.

Award of Agreement
The agreement will be awarded in whole or in part to the responsible contractor whose bid, conforming to the request for bids, will be most advantageous to the Village; price and other factors considered.

Costs of Preparation
The Village will not be responsible for any expenses incurred in preparing and submitting a bid or entering into the applicable agreement.

Taxes not Applicable
The Village of Oak Park as an Illinois municipality pays neither Illinois Sales Tax nor Federal Excise Tax (State Tax Exemption Identification Number E9998-1823-06). Contractors should exclude these taxes from their prices.

Withdrawal of Bids:
Any contractor may withdraw its bid at any time prior to the time specified in the advertisement as the closing time for the receipt of bids, by signing a request therefore. No contractor may withdraw or cancel its bid for a period of sixty (60) calendar days after the

advertised closing time for the receipt of bids. The successful contractor may not withdraw or cancel its bid after having been notified that the bid was accepted by the Village Board of Trustees.

Investigation of Contractors

The Village will make such investigations as are necessary to determine the ability of the contractor to fulfill bid requirements. If requested, the contractor should be prepared to present evidence to the Village of Oak Park of ability and possession of necessary facilities and financial resources to comply with the terms of the attached specifications and bids. In addition, the contractor shall furnish the Village with any information the Village may request, and shall be prepared to show completed work of a similar nature to that included in its bid. The Village reserves the right to visit and inspect the premises and operation of any contractor.

Rejection of Contractor

The Village will reject any bid from any person, firm or corporation that appears to be in default or arrears on any debt, agreement or the payment of any taxes. The Village will reject any bid from a contractor that failed to satisfactorily complete work for the Village under any previous agreement.

Conditions

Contractors are advised to become familiar with all conditions, instructions and specifications governing the work. Contractors shall be presumed to have investigated the work site, conditions and scope of the work before submitting a bid.

Compliance with Applicable Laws

The contractor will strictly comply with all ordinances of the Village of Oak Park and Village Code and laws of the State of Illinois.

Governing Law

All agreements entered into by the Village of Oak Park are governed by the laws of the State of Illinois without regard to conflicts of law. Any action brought to enforce an agreement with the Village of Oak Park must be brought in the state and federal courts located in Cook County, Illinois.

Subletting of Agreement

No agreement awarded by the Village of Oak Park shall be assigned or any part sub-agreement without the written consent of the Village of Oak Park or as noted in the contractor's bid. In no case shall such consent relieve the contractor from its obligations or change the terms of the agreement.

Interpretation of Agreement Documents:

Any contractor with a question about this bid may request an interpretation thereof from the Village. If the Village changes the bid, either by clarifying it or by changing the specifications, the Village will issue a written addendum, and will mail a copy of the addendum to all prospective contractors. The Village will not assume responsibility for receipt of such addendum. In all cases, it will be the contractor's responsibility to obtain all addenda

issued. Contractors will provide written acknowledgment of receipt of each addendum issued with the bid submission.

Minority Business and Women Business Enterprise Requirements

The Village of Oak Park, in an effort to reaffirm its policy of non-discrimination, encourages the efforts of contractors and subcontractors to take affirmative action in providing for Equal Employment Opportunity without regard to race, religion, creed, color, sex, national origin, age, handicap unrelated to ability to perform the job or protected veteran's status.

Agreement

The selected contractor shall enter into an agreement with the Village to complete the work in a form substantially similar to the agreement attached hereto. The agreement shall be executed by the contractor and returned, together with the agreement bond within ten (10) calendar days after the agreement has been mailed to the contractor. The contractor shall execute three copies of the agreement. One fully executed copy will be returned to the contractor.

Notice to Proceed

Work shall begin within fourteen (14) days from the Notice to Proceed from the Village's Building Maintenance Superintendent. All work shall be completed in accordance with the detailed specifications set forth herein, unless the Building Maintenance Superintendent grants an extension.

Fees and Cost

In the event any action is brought to enforce any agreement entered into by the Village of Oak Park, or to collect any unpaid amount from the Village of Oak Park, each party bears the responsibility of paying its own attorneys' fees and costs.

Dispute Resolution

The Village of Oak Park does not agree to the mandatory arbitration of any dispute.

Hold Harmless

See attached form Agreement.

Insurance

See attached form Agreement.

Termination of Agreement

See attached form Agreement.

SECTION II
DETAILED SPECIFICATIONS

Scope of Work

See Attachment A. Scope of Work

GENERAL CONDITIONS

The Village will purchase and supply all materials to the selected contractor. Contractor's bid price shall include labor only. The selected contractor shall furnish all labor, supervision, supplies, tools, equipment, vehicles and other means necessary or proper for performing and completing the work. The selected contractor shall be responsible for the cleaning up of the job site and shall repair or restore all structures and property that may be damaged or disturbed during performance of the work to the satisfaction of the Village of Oak Park.

The agreement and work shall be carried out in conformance with the laws and regulations of the Village of Oak Park and these specifications. All work will be performed according to the standards set forth in the applicable building codes and standards, including mechanical, fire, plumbing, electric, accessibility, or any other applicable codes in force in the Village of Oak Park and State of Illinois.

Licenses and Permits

The contractor shall be responsible for becoming a licensed contractor with the Village and shall follow all appropriate and required electrical codes. All work must be done by a licensed electrician following the appropriate State requirements.

Alterations, Omissions and Extra Work

The Village of Oak Park reserves the right to increase or decrease the quantity of any item or portion of the work, or to omit portions of the work as may be deemed necessary.

Job Site Conditions

To the fullest extent possible, the contractor will not allow its work to interfere with the ongoing use of the facilities. Contractor will take all necessary actions as directed by the Village in that regard.

Material Storage: The contractor shall be responsible for the storage and safety of his own materials. The Village assumes no liability whatever for any material damaged or stolen on the premises. Any damage to, or loss by theft or vandalism of any material, appurtenance, or appliance, after such has been applied, connected or installed on Village property, shall be the sole responsibility of the contractor until the project is completed and accepted by the Village.

Safety Precautions: The contractor is solely responsible for implementing effective safety precautions on and around the work site to protect workers and other persons who might be affected and shall exercise every precaution at all times for the protection of the property. The contractor shall not leave any combustible materials or other fire hazards overnight or

allowed them to accumulate. The contractor shall abide by all applicable laws, standards, and regulations that apply to the completion of the work, including EPA and OSHA safety standards and regulations.

Damage to Property: Contractor shall repair, at no additional cost to the Village, all damage to Village property caused by the contractor resulting from his work. Where repair of existing work is called for, such patching and replacement shall be made to blend with existing work so that the patch or replacement will be inconspicuous after finishing.

Daily Clean-up: The contractor shall keep the premises clean and orderly during the course of the work and all debris shall be removed on a continuous basis.

Method of Payment

The Village of Oak Park will pay monthly all undisputed invoices billed at the rates set forth in the contractor's bid within 30 days of approval as provided in the Local Government Prompt Payment Act, 50 ILCS505/4. The maximum interest rate for any payment not made within 30 days of approval is 1%.

Change Orders

Change Orders: Changes in the Work may be agreed to after execution of the agreement, and without invalidating the agreement, if the change order is in writing and signed. Any changes to the scope of work which result in an increase in the agreement price will be subject to an agreement addendum which must be signed by both parties. Any such change order will be prepared by the Village. The contractor may only proceed with the change upon receipt of the written change order signed by the Village.

Emergency Changes: Contractor may perform work not included in the scope of work if necessary to remedy a condition that poses an immediate threat to persons or property. Work of this nature shall be carried out only to the extent of bringing the condition under control. The Village shall be notified immediately. A change order will then be negotiated and executed for the work performed, and for work remaining, if any.

Minor Changes (Field Orders): The Village may verbally authorize minor changes in the scope of work in order to prevent a delay in the progression of the work. These field orders may not involve a change in the agreement price or be inconsistent with the scope of work.

Changes Due to Unknown Conditions: The contractor is not responsible for changes in the work that are due to conditions that were not reasonably observable or conditions that have changed. In such cases, the contractor shall notify the Village and a change order will be negotiated.

Any change which results in a total agreement price in excess of $10,000 must be approved by the Village of Oak Park Board of Trustees.

Correction of Work Prior To Final Payment

The Village has the right to stop work if the contractor fails to carry out the work in a manner acceptable to the Village. If the Village deems the contractor's work unacceptable, at the Village's election, the contractor shall do one of the following:

1. Promptly repair or replace the defective work, without expense to the Village, including costs associated with repairing any damage to property caused by the replacement work; or;
2. If the Village deems it unacceptable to have the contractor correct work which has been incorrectly done, a deduction from the agreement price shall be made based on the costs to the Village to have the work repaired. Such a deduction from the agreement price shall in no way affect the Village's other remedies or relieve the contractor from responsibility for defects and related damage occurring as a result of defective or unacceptable work.

Contractor's Representative

The contractor shall have at all times a competent foreman or superintendent on the job that shall have full authority to act for the contractor, and to receive and execute orders from the Director of Public Works or appointed representative. Any instructions given to such superintendent or person executing work for the contractor shall be binding on the contractor as though given to him personally. Contractor's representative must be proficient in the use and interpretation of the English language.

Workers

The contractors shall employ competent laborers and shall replace, at the request of the Building Maintenance Superintendent any incompetent, unfaithful, abusive or disorderly workers in their employ. Only workers expert in their respective branches of work shall be employed where special skill is required. Inappropriate behavior or examples of unproductive work effort will not be tolerated. The Village has the right to require a contractor's employee to be immediately removed from the work crew if the above behavior is exhibited.

Time of Work

Contractor shall only work on weekdays, (Monday through Friday), from 6:30 a.m. to 4:00 p.m. No work will be allowed on weekends or on legal holidays as recognized by the Village of Oak Park, except as authorized by the Building Maintenance Superintendent.

Dispute Resolution

All disputes, including collection disputes, shall be brought in the Circuit Court of Cook County, Illinois. This agreement shall be interpreted in accordance with the laws of the State of Illinois. In any dispute resolution process, each party shall bear its own costs, including attorney's fees. Any purported agreement between the parties that states terms contrary to this paragraph M will be deemed per se invalid.

Mandatory Qualifications for Contractor's Personnel

Crews shall include at least one (1) supervisor during any given shift.

1. No more than 50% of the crew may be trainees at any one time.

2. Supervisors must be fluent in the English language and capable of reading and writing English.

3. The Village reserves the right to require immediate removal of any employee of the contractor selected deemed unfit for service for any reason. This right is non-negotiable and the contractor selected agrees to this condition by accepting this agreement. The contractor selected shall have enough qualified personnel to replace a terminated employee within 24 hours. Failure to do so can result in the termination of the agreement.

OSHA Requirements

1. Material Safety Data Sheets – Contractor selected shall furnish the Village of Oak Park copies of Material Safety Data Sheets (MSDS), for all products used that require identification, prior to beginning service at Village facilities. In addition, each time a new chemical is introduced, a copy of that product's MSDS must be provided to the Building Maintenance Superintendent prior to the product being used. The Material Safety Data Sheets must be in compliance with OSHA Regulation 1910.1200, paragraph g.

2. Labeling of Hazardous Materials – Contractor selected shall comply with OSHA regulation 1919.1200, paragraph f, concerning labeling of all chemical containers.

3. Caution Signs – Contractor selected shall use "caution signs" as required by OSHA Regulation 1910.44 and 1910.145 at no cost to the Village. Caution signs shall be on-site upon commencement of agreement.

Proof of compliance with OSHA regulation 1920.1200, Hazard Communication, shall be provided to the Building Maintenance Superintendent upon commencement of this agreement, if requested.

Failure of the contractor selected or his/her employees to comply with all applicable laws, regulations and rules shall permit the Village to immediately terminate this agreement without liability.

Prevailing Wage

This work will require conformance with prevailing wage laws. See paragraph 18. in the Independent Contractor Agreement at the end of this RFP.

APPENDIX A
BID SUBMISSION FORMS (Pricing)

The undersigned proposes to furnish all labor required to complete the Work in accordance with the attached specifications and at the prices indicated below.

Main Fire Station Roof Restoration: $_____ (labor only)

Village Hall Roof Restoration: $_____ (labor only)

TOTAL COST: $_____ (labor only)

BIDDER:
BY: _____ DATE: _____

BID FORM (Pricing) continued

24-Hour Emergency Call-back Number:

(_____) _____

Bid Signature: _____

State of _____) County of _____)

_____,
(Type Name of Individual Signing)

being first duly sworn on oath deposes and says that the contractor on the above bid is organized as indicated below and that all statements herein made on behalf of such Contractor and that their deponent is authorized to make them, and also deposes and says that deponent has examined and carefully prepared their bid from the agreement specifications and has checked the same in detail before submitting this bid; that the statements contained herein are true and correct.

Signature of contractor authorizes the Village of Oak Park to verify references of business and credit at its option.

Signature of contractor shall also be acknowledged before a Notary Public or other person authorized by law to execute such acknowledgments.

Dated: _____/____/2017 _____
Organization Name
(Seal - If Corporation)

By:

_____ _____
Authorized Signature Address

_____
Telephone

BID FORM continued

Subscribed and sworn to before me this _____ day of _____, 2017.

_____ in the State of _____. My Commission
Notary Public

Expires on ____/____/_____

In compliance with the above, the undersigned offers and agrees, if his/her bid is accepted within ninety (90) calendar days from date of opening, to furnish any or all of the items upon which prices are quoted, at the price set opposite each item, delivered at the designated point within the time specified above.

MUNICIPAL QUALIFICATION REFERENCE SHEET

MUNICIPALITY _____

ADDRESS _____

_____

CONTACT _____

PHONE _____

WORK PERFORMED _____
_____

MUNICIPALITY _____

ADDRESS _____

_____

CONTACT _____

PHONE _____

WORK PERFORMED _____
_____

MUNICIPALITY _____

ADDRESS _____

_____

CONTACT _____

PHONE _____

WORK PERFORMED _____
_____

SECTION III
CONTRACTOR CERTIFICATION

_____, as part of its bid on an agreement for construction Work
(Name of Contractor selected) for the Village of Oak Park, hereby certifies that said contractor selected is not barred from proposing on the aforementioned agreement as a result of a violation to either Section 33E-3 or 33E-4 of Article 33E of Chapter 38 of the Illinois Revised Statutes or Section 2-6-12 of the Oak Park Village Code relating to "Proposing Requirement.

_____
(Authorized Agent of Contractor selected)

Subscribed and sworn to before me this _____ day of _____, 2017.

_____
Notary Public's Signature - Notary Public Seal -

SECTION IV
TAX COMPLIANCE AFFIDAVIT

_____, being first duly sworn, deposes and says:

that he/she is _____ of
(partner, officer, Village, etc.)

_____.
(Contractor selected)

The individual or entity making the foregoing bid or bid certifies that he/she is not barred from entering into an agreement with the Village of Oak Park because of any delinquency in the payment of any tax administered by the Department of Revenue unless the individual or entity is contesting, in accordance with the procedures established by the appropriate revenue act, liability for the tax or the amount of the tax. The individual or entity making the bid or bid understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition, voids the agreement and allows the municipality to recover all amounts paid to the individual or entity under the agreement in civil action.

_____
By:
Its:

_____
(name of contractor if the contractor is an individual)
(name of partner if the contractor is a partnership)
(name of officer if the contractor is a corporation)

The above statement must be subscribed and sworn to before a notary public.

Subscribed and sworn to before me this _____ day of _____, 2017.

_____
Notary Public's Signature - Notary Public Seal -

Reporting Requirements

The following forms must be completed in their entirety, notarized and included as part of the bid document. Failure to respond truthfully to any question on the list or failure to cooperate fully with further inquiry by the Village of Oak Park will result in disqualification of your bid.

SECTION V
ORGANIZATION OF PROPOSING FIRM

Please fill out the applicable section:

A. Corporation:
The contractor is a corporation, legally named _____ and is organized and existing in good standing under the laws of the State of _____. The full names of its officers are:

President_____

Secretary_____

Treasurer_____

Registered Agent Name and Address: _____

The corporation has a corporate seal. (In the event that this bid is executed by a person other than the President, attach hereto a certified copy of that section of Corporate By-Laws or other authorization by the Corporation that permits the person to execute the offer for the corporation.)

B. Sole Proprietor:
The contractor is a Sole Proprietor. If the contractor does business under an assumed name, the

assumed name is _____, which is registered with the Cook County Clerk. The contractor is otherwise in compliance with the Assumed Business Name Act, 805 ILCS 405/0.01, et. seq.

C. Partnership:
The contractor is a partnership which operates under the name _____

The following are the names, addresses and signatures of all partners:

_____ _____

_____ _____
Signature Signature

(Attach additional sheets if necessary.) If so, check here _____.

If the partnership does business under an assumed name, the assumed name must be registered with the Cook County Clerk and the partnership is otherwise in compliance with the Assumed Business Name Act, 805 ILCS 405/0.01, et. seq.

D. Affiliates: The name and address of any affiliated entity of the business, including a description

of the affiliation: _____

_____
Signature of Village

SECTION VI
BID BOND

WE _____
as PRINCIPAL, and _____
as SURETY, are held and firmly bound unto the Village of Oak Park, Illinois (hereafter referred to as "VOP") in the penal sum of Ten Percent (10%) of the total Bid price, as specified in the invitation for Bids. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly to pay to the VOP this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written Bid to the VOP acting through its awarding authority for the completion of the work designated as the above section.

THERFORE if the Bid is accepted and an agreement awarded to the PRINCIPAL by the VOP for the above-designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal agreement, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in specifications then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the VOP determines the PRINCIPAL has failed to enter into a formal agreement in compliance with any requirements set forth in the preceding paragraph, then the VOP acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this _____ day of _____A.D. 2017.

PRINCIPAL

_____ _____
(Company Name) (Company Name)

By: _____ By: _____
(Signature & Title) (Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed)

Subscribed to and sworn before me on the

_____ day of _____, 2017.

_____
Notary Public

NAME OF SURETY

By: _____
Signature of Attorney-in-Fact

subscribed to and sworn before me on the

_____ day of _____, 2017.

_____
Notary Public

SECTION VII
CONTRACT BOND

Contract Bond

_____, as PRINCIPAL, and _____as SURETY, are held and firmly bound unto the Village of Oak Park (hereafter referred to as "Village") in the penal sum of _____, well and truly to be paid to the Village, for the payment of which its heirs, executors, administrators, successors and assigns, are bound jointly to pay to the Village under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the Principal has entered into a written contract with the Village, acting through its President and Board of Trustees, for the construction of work, which contract is hereby referred to and made a part hereof as if written herein at length, and whereby the Principal has promised and agreed to perform the work in accordance with the terms of the contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work, including paying not less than the prevailing rate of wages in Cook County, where the work is for the construction of any public work subject to the Prevailing Wage Act, and has further agreed to save and indemnify and keep harmless the Village against all liabilities, judgments, costs and expenses which may in any manner accrue against the Village in consequence of granting such contract or which may in any manner result from the carelessness or neglect of the Principal, his agents, employees or workmen in any respect whatever; and has further agreed that this bond will inure to the benefit of any person, firm, company, or corporation, to whom any money may be due from the Principal, subcontractor or otherwise, for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company, or corporation, for the recovery of any such money.

NOW THEREFORE, if the Principal shall well and truly perform the work in accordance with the terms of the contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in the contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of performance thereof and until the work shall have been accepted, and shall save and indemnify and keep harmless the Village against all liabilities, judgments, costs and expenses which may in any manner accrue against the Village in consequence of granting such contract or which may in any manner result from the carelessness or neglect of the Principal, his agents, employees or workmen in any respect whatever; and shall in all respects fully and faithfully comply with all the provisions, conditions, and requirements of the contract, then this obligation will be void; otherwise it will remain in full force and effect.

IN WITNESS WHEREOF, the PRINCIPAL and the SURETY have caused this instrument to be signed by their respective officers this _____ day of _____, 2017.

NAME OF PRINCIPAL

By: _____
Signature

By: _____
Printed Name

Its: _____
Title

Subscribed to and Sworn before me on the

_____ day of _____, 2017.

_____
Notary Public

NAME OF SURETY

By: _____
Signature of Attorney-in-Fact

Subscribed to and Sworn before me on the

_____ day of _____, 2017.

_____
Notary Public

SECTION VIII
COMPLIANCE AFFIDAVIT

I, _____, (print name) being first duly sworn on oath depose and state:

1. I am the (title) _____ of the proposing company and am authorized to make the statements contained in this affidavit on behalf of the company;

2. I have examined and carefully prepared this Bid based on the request and have verified the facts contained in the Bid in detail before submitting it;

3. The proposing company is organized as indicated above on the form entitled "Organization of Proposing Company."

4. I authorize the Village of Oak Park to verify the company's business references and credit at its option;

5. Neither the proposing company nor its affiliates[1] are barred from proposing on this project as a result of a violation of 720 ILCS 5/33E-3 or 33E-4 relating to Bid rigging and Bid rotating, or section 2-6-12 of the Oak Park Village Code relating to "Proposing Requirements".

6. The proposing company has the M/W/DBE status indicated below on the form entitled "EEO Report."

7. Neither the proposing company nor its affiliates is barred from agreementing with the Village of Oak Park because of any delinquency in the payment of any debt or tax owed to the Village except for those taxes which the proposing company is contesting, in accordance with the procedures established by the appropriate revenue act, liability for the tax or the amount of the tax. I understand that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition, voids the agreement and allows the Village of Oak Park to recover all amounts paid to the proposing company under the agreement in civil action.

8. I am familiar with Section 13-3-2 through 13-3-4 of the Oak Park Village Code relating to Fair Employment Practices and understand the contents thereof; and state that the proposing company is an "Equal Opportunity Employer" as defined by Section 2000(E) of Chapter 21, Title 42 of the United States Code Annotated and Federal Executive Orders #11246 and #11375 which are incorporated herein by reference. **Also complete the attached EEO Report or Submit an EEO-1.**

9. I certify that the contractor is in compliance with the Drug Free Workplace Act, 41 U.S.C.A, 702

Signature:_____

Name and address of Business:_____

Telephone _____ E-Mail _____

Subscribed to and sworn before me this _____ day of _____, 2017.

_____

Notary Public - Notary Public Seal -

[1] Affiliates means: (i) any subsidiary or parent of the agreementing business entity, (ii) any member of the same unitary business group; (iii) any person with any ownership interest or distributive share of the agreementing business entity in excess of 7.5%; (iv) any entity owned or controlled by an executive employee, his or her spouse or minor children of the agreementing business entity.

SECTION IX
M/W/DBE STATUS AND EEO REPORT

Failure to respond truthfully to any questions on this form, failure to complete the form or failure to cooperate fully with further inquiry by the Village of Oak Park will result in disqualification of this Bid. For assistance in completing this form, contact the Department of Public Works at 708-358-5700.

1. Contractor Name:_____

2. Check here if your firm is:

   - ☐ Minority Business Enterprise (MBE) (A firm that is at least 51% owned, managed and controlled by a Minority.)
   - ☐ Women's Business Enterprise (WBE) (A firm that is at least 51% owned, managed and controlled by a Woman.)
   - ☐ Owned by a person with a disability (DBE) (A firm that is at least 51% owned by a person with a disability)
   - ☐ None of the above

   [Submit copies of any W/W/DBE certifications]

3. What is the size of the firm's current stable work force?

   _____ Number of full-time employees

   _____ Number of part-time employees

4. Similar information will be requested of all sub-contractors working on this agreement. Forms will be furnished to the lowest responsible contractor with the notice of agreement award, and these forms must be completed and submitted to the Village before the execution of the agreement by the Village.

Signature: _____

Date: _____

EEO Report

Please fill out this form completely. Failure to respond truthfully to any questions on this form, or failure to cooperate fully with further inquiry by the Village of Oak Park will result in disqualification of this Bid. An incomplete form will disqualify your Bid. For assistance in completing this form, contact the Department of Public Works at 708-358-5700.

An EEO-1 Report may be submitted in lieu of this report

Contractor Name_____
Total Employees_____

					Males				Females				
Job Category	Total # of Empl.	Total Males	Total Females	Black	Hispanic	American Indian	Alaskan Native	Asian & Pacific Islander	Hispanic	American Indian	Alaskan Native	Asian & Pacific Islander	Total Minorities
Officials & Managers													
Professionals													
Technicians													
Sales Workers													
Office & Clerical													
Semi-Skilled													
Laborers													
Service Workers													
Management Trainees													
Apprentices													

This completed and notarized report must accompany your Bid. It should be attached to your Affidavit of Compliance. Failure to include it with your Bid will be disqualify you from consideration.

_____, being first duly sworn, deposes and says that he/she is the_____
(Name of Person Making Affidavit)
(Title or Officer)
of _____and that the above EEO Report information is true and accurate and is submitted with the intent that it

be relied upon. Subscribed and sworn to before me this _____ day of _____, 2017.

_____ _____
(Signature) (Date

SECTION X
NO BID EXPLANATION

If your company does not wish to propose on the attached specifications, the Village of Oak Park would be interested in any explanation or comment you may have as to what prevented your firm from submitting a Bid.

Thank you.

Bid Name: Project No. 17-120

Village of Oak Park Fire Station #1 Admin Roof and Village Hall Roof Restoration

Comments:

Signed: _____

Phone:_____

INDEPENDENT CONTRACTOR AGREEMENT

THIS INDEPENDENT CONTRACTOR AGREEMENT ("Contract") is entered into on this _____ day of _____, 2017, by and between the Village of Oak Park, an Illinois home rule municipal corporation (hereinafter the "Village"), and _____, a _____ (hereafter the "Contractor").

WHEREAS, Contractor submitted a Bid dated _____, _____, a copy of which is attached hereto and incorporated herein by reference, to provide _____ (hereinafter referred to as the "Work") for the _____(hereinafter referred to as the "Project") pursuant to the Village's Request for Bids dated _____, _____, incorporated herein by reference as though fully set forth; and

WHEREAS, the Contractor represented in said Bid that it has the necessary personnel, experience, and competence to promptly complete the Project and the Work required hereunder (hereinafter referred to as the "Work"); and

WHEREAS, Contractor shall perform the Work pursuant to the terms and conditions of this Contract.

NOW, THEREFORE, in consideration of the premises and the mutual promises contained in this Contract, and other good and valuable consideration received and to be received, it is mutually agreed by and between the parties as follows:

1. RECITALS INCORPORATED

The above recitals are incorporated herein as though fully set forth.

2. SCOPE OF WORK

Contractor shall perform the Work for the Project in accordance with its Bid for a price not to exceed $_____ plus $_____ contingency for unforeseen conditions for a total cost of $_____ ("Contract Price"). Contractor shall complete the Work in accordance with any applicable manufacturers' warranties and in accordance with its Bid, the Village's Request for Bids, and this Contract, all of which, together shall constitute the "Contract Documents." The Contractor acknowledges that it has inspected the site(s) where the Work is to be performed and that it is fully familiar with all of the conditions at the site(s), and further that its Bid has adequately taken into consideration all of the conditions at the sites. The Contractor hereby represents and

warrants that it has the skill and experience necessary to complete the Work in a good and workmanlike manner in accordance with the Contract Documents, and that the Work shall be free from defects. Contractor shall achieve completion of all work required pursuant to the Contract Documents by _____, _____ ("Contract Time"). The Contract Time is of the essence. In the event the Contractor fails to complete the Work on or before said date, the Village shall be entitled to liquidated damages in the amount of $500.00 per day for each day the Work remains uncompleted beyond the completion date set forth above. This amount is not a penalty, and the parties agree to said amount given the difficulties associated with determining or calculating damages to the Village in the event the Work is not completed on time. Contractor shall have no claim for damages, for compensation in excess of the Contract Price, or for a delay or extension of the Contract Time based upon conditions found at, or in the vicinity of, the site(s).

3. DESIGNATED REPRESENTATIVES

Contractor shall designate in writing a person to act as its designated representative with respect to the Work to be performed under this Contract who shall have the power and authority to make or grant or do all things, certificates, requests, demands, approvals, consents, notices and other actions required that are ministerial in nature or described in this Agreement for and on behalf of Contractor and with the effect of binding Contractor. The Village is entitled to rely on the full power and authority of the person executing this Contract on behalf of Contractor as having been properly and legally given by Contractor. Contractor shall have the right to change its designated representative by providing the Village with written notice of such change which notice shall be sent in accordance with Section 12 of this Agreement.

The Village's _____ shall be deemed the Village's authorized representative for purposes of this Agreement, unless applicable law requires action by the Corporate Authorities, and shall have the power and authority to make or grant or do those things, certificates, requests, demands, approvals, consents, notices and other actions required that are ministerial in nature or described in this Agreement for and on behalf of the Village and with the effect of binding the Village as limited by this Contract. Contractor is entitled to rely on the full power and authority of the person executing this Agreement on behalf of the Village as having been properly and legally given by the Village. The Village shall have the right to change its authorized representative by providing Contractor with written notice of such change which notice shall be sent in accordance with Section 12 of this Agreement.

4. TERM OF CONTRACT

Contractor shall perform the Work pursuant to this Contract beginning on the effective date as defined herein and ending on the date that the Work is completed as determined by the Village. The Contractor shall invoice the Village for the Work

provided pursuant to this Contract at the rates set forth in its Bid. The term of this Contract may be extended in writing for additional periods of time pursuant to the consent of the parties.

5. PAYMENT SCHEDULE

Contractor shall, as a condition precedent to its right to receive any payment, submit to the Village an application for payment and such receipts, vouchers, and other documents as may be necessary to establish the Contractor's payment for all labor and material and the absence of any interest whether in the nature of a lien or otherwise of any party in any property, work, or fund with respect to the Work performed hereunder. Such documents shall include, where relevant, the following forms, copies of which are attached hereto:

(i) Contractor's sworn statement;
(ii) Contractor's partial or final waiver of lien;
(iii) Subcontractor's sworn statement(s); and
(iv) Subcontractor's partial or final waiver of lien.

Payment by the Village shall be conditioned upon an inspection by the Village of the Work completed and submission of required waivers by the Contractor. Payment by the Village shall in no way constitute a waiver of, or relieve the Contractor from, any defects in the work. All payments shall be made in accordance with the Illinois Local Government Prompt Payment Act, 50 ILCS 505/1 *et seq.* Final payment for any Work performed by the Contractor pursuant to an invoice by Contractor shall be made by the Village to the Contractor when Contractor has fully performed the work and the work has been approved by the Village and submission of required waivers and paperwork by Contractor. Approval of the work and issuance of the final payment by the Village shall not constitute a waiver of, or release Contractor from, any defects in the work.

The Village shall have the right to withhold from any payment due hereunder such amount as may reasonably appear necessary to compensate the Village for any actual or prospective loss due to Work which is defective or does not conform to the Contract Documents; damage for which Contractor is liable hereunder; liens or claims of liens; claims of third parties, subcontractors, or material men; or any failure of the Contractor to perform any of its obligations under this Contract. The Village may apply any money withheld or due Contractor hereunder to reimburse itself for any and all costs, expenses, losses, damages, liabilities, suits, judgments, awards, and attorney's fees incurred, suffered, or sustained by the Village and chargeable to Contractor.

6. TERMINATION

The Village may terminate this Contract for cause, which includes but is not necessarily limited to, the Contractor’s failure to perform the work pursuant to this Contract. The Village shall provide the Contractor with five (5) days’ written notice of a termination for

cause pursuant to the provisions of Section 12 below. The Village may also terminate this Contract when it determines the same to be in its best interests by giving fourteen (14) days' written notice to Contractor pursuant to the provisions of Section 12 below. In such event, the Village shall pay to Contractor all amounts due for the work performed up to the date of termination.

7. COMPLIANCE WITH APPLICABLE LAWS

Contractor shall comply with all applicable laws, regulations, and rules promulgated by any federal, state, county, municipal and/or other governmental unit or regulatory body now in effect during the performance of the work. By way of example only and not as a limitation, the following are included within the scope of the laws, regulations and rules with which the Contractor must comply: all forms of workers' compensation Laws, all terms of the equal employment opportunity rules and regulations of the Illinois Department of Human Rights, statutes relating to contracts let by units of government, and all applicable civil rights and anti-discrimination laws and regulations.

8. INDEMNIFICATION

To the fullest extent permitted by law, Contractor shall waive any right of contribution against the Village and shall indemnify and hold harmless the Village and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including, but not limited to, legal fees (attorney's and paralegal's fees, expert fees and court costs) arising out of or resulting from the performance of the Contractor's work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or injury to or destruction of property, other than the work itself, including the loss of use resulting therefrom, or is attributable to misuse or improper use of trademark or copyright-protected material or otherwise protected intellectual property, to the extent it is caused in whole or in part by any wrongful or negligent act or omission of Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge or otherwise reduce any other right to indemnity which the Village would otherwise have. Contractor shall similarly protect, indemnify and hold and save harmless, the Village, its officers, officials, employees, volunteers and agents against and from any and all claims, costs, causes, actions and expenses, including, but not limited to, legal fees incurred by reason of the Contractor's breach of any of its obligations under, or Contractor's default of, any provisions of this Contract. The indemnification obligations under this Section shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under Workers' Compensation or Disability Benefit Acts or Employee Benefit Acts.

9. INSURANCE

Contractor shall at Contractor's expense secure and maintain in effect throughout the duration of this Contract, insurance of the following kinds and limits set forth in this Section. Contractor shall furnish "Certificates of Insurance" to the Village before beginning work on the Project pursuant to this Contract. All insurance policies shall be written with insurance companies licensed to do business in the State of Illinois and having a rating of at least A according to the latest edition of the Best's Key Rating Guide; and shall include a provision preventing cancellation of the insurance policy unless thirty (30) days prior written notice is given to the Village. This provision shall also be stated on each Certificate of Insurance: "Should any of the above described policies be canceled before the expiration date, the issuing company shall mail fifteen thirty (30) days written notice to the certificate holder named to the left."

The limits of liability for the insurance required shall provide coverage for not less than the following amounts, or greater where required by law:

(A) **Commercial General Liability:**

i. Coverage to include Broad Form Property Damage, Contractual and Personal Injury.

ii. Limits:

General Aggregate	$ 2,000,000.00
Each Occurrence	$ 1,000,000.00
Personal Injury	$ 1,000,000.00

iii. Coverage for all claims arising out of the Contractor's operations or premises and anyone directly or indirectly employed by the Contractor.

(B) **Workers' Compensation:**

i. Workers' compensation insurance shall be provided in accordance with the provisions of the laws of the State of Illinois, including occupational disease provisions, for all employees who perform the Work pursuant to this Contract, and if work is subcontracted pursuant to the provisions of this Contract, Contractor shall require each subcontractor similarly to provide workers' compensation insurance. In case employees engaged in hazardous work under this Contract are not protected under the Workers' Compensation Act, Contractor shall provide, and shall cause each subcontractor to provide, adequate and suitable insurance for the protection of employees not otherwise provided.

(C) **Comprehensive Automobile Liability:**

i. Comprehensive Automobile Liability coverage shall include all owned, hired, non-owned vehicles, and/or trailers and other equipment required to be licensed, covering personal injury, bodily injury and property damage.

ii. Limits:

Combined Single Limit $1,000,000.00

(D) **Umbrella:**

i. Limits:

Each Occurrence/Aggregate

$5,000,000.00

(E) The Village, its officers, officials, employees, agents and volunteers shall be named as additional insureds on all insurance policies set forth herein except Workers' Compensation. The Contractor shall be responsible for the payment of any deductibles for said insurance policies. The coverage shall contain no special limitations on the scope of protection afforded to the Village, its officers, officials, employees, agents, and volunteers.

(F) Contractor understands and agrees that any insurance protection required by this Contract or otherwise provided by Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Village, its officers, officials, employees, agents and volunteers as herein provided.

10. GUARANTY

Contractor warrants and guarantees that its Work provided for the Project to be performed under this Contract, and all workmanship, materials, equipment, and supplies performed, furnished, used, or installed under this Contract, performed, furnished, used, or installed under this Contract, shall be free from defects and flaws in workmanship or design; shall strictly conform to the requirements of this Contract; and shall be fit and sufficient for the purposes expressed in, or reasonably inferred from, this Contract. Contractor further warrants and guarantees that the strength of all parts of all manufactured materials, equipment, and supplies shall be adequate and as specified and that the performance requirements of this Contract shall be fulfilled.

Contractor shall, at no expense to the Village, correct any failure to fulfill the above guaranty that may appear at any time. In any event, the guaranty herein expressed shall not be sole and exclusive, and is additional to any other guaranty or warranty expressed or implied.

11. AFFIDAVIT OR CERTIFICATE

Contractor shall furnish any affidavit or certificate in connection with the work covered by this Contract as required by law.

12. NOTICES

Any notice required to be given by this Contract shall be deemed sufficient if made in writing and sent by certified mail, return receipt requested, by personal service, or by email or facsimile transmission to the persons and addresses indicated below or to such addresses and persons as either party hereto shall notify the other party of in writing pursuant to the provisions of this Section:

To the Village:	**To Contractor:**
Village Manager	_____
Village of Oak Park	_____
123 Madison St.	_____
Oak Park, Illinois 60302-4272	_____
708-358-5770	_____
Email: cpavlicek@oak-park.us	Email:
Fax: 708-358-5101	Fax:_____

Mailing of such notice as and when above provided shall be equivalent to personal notice and shall be deemed to have been given at the time of mailing.

Notice by facsimile or email transmission shall be effective as of date and time of facsimile transmission, provided that the notice transmitted shall be sent on business days during business hours (9:00 a.m. to 5:00 p.m. Chicago time). In the event facsimile or email notice is transmitted during non-business hours, the effective date and time of notice is the first hour of the first business day after transmission.

13. AUTHORITY TO EXECUTE

The individuals executing this Contract on behalf of Contractor and the Village represent that they have the legal power, right, and actual authority to bind their respective parties to the terms and conditions of this Contract.

14. EFFECTIVE DATE

The effective date of this Contract as reflected above and below shall be the date that the Village Manager executes this Contract on behalf of the Village.

15. ENTIRE CONTRACT; APPROVAL OF SUBCONTRACTORS

This Contract, including the documents incorporated by reference herein, sets forth the entire Contract between the parties with respect to the accomplishment of the Work. No right or interest in this Contract shall be assigned, in whole or in part, by either party without the prior written consent of the other party. The Village reserves the right to approve the use of subcontractors to complete any portion of the Work and to approve any applicable contract between the Contractor and a proposed subcontractor to perform any of the Work. This Contract shall be binding upon the parties and upon their respective heirs, executors, administrators, personal representatives, successors, and assigns, except as herein provided.

16. INDEPDENDENT CONTRACTOR

Contractor shall have the full control of the ways and means of performing the Work referred to above and that the Contractor and its employees, representatives or subcontractors are not employees of the Village, it being specifically agreed that the Contractor bears the relationship of an independent contractor to the Village. The Contractor shall solely be responsible for the payment of all salaries, benefits and costs of supplying personnel for the Work.

17. CONTRACT BOND

Before commencing the work on the Project, Contractor shall furnish a Contract Bond. The Contract Bond shall be in an amount equal to 100% of the full amount of the Contract Price as security for the faithful performance of its obligations pursuant to the Contract Documents and as security for the payment of all persons performing labor and furnishing materials in connection with the Contract Documents. Such bond shall be on a standard AIA document, shall be issued by a surety satisfactory to the Village, and shall name the Village as a primary co-obligee. The Contract Bond shall become a part of the Contract Documents. The failure of Contractor to supply the required Contract Bond within ten (10) days after the Notice of Award or within such extended period as the Village may grant if the Contract Bond does not meet its approval shall constitute a default, and the Village may either award the Contract to the next lowest responsible proposer or re-advertise for Bids. A charge against Contractor may be made for the difference between the amount of Contractor's Bid and the amount for which a contract for the Work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the bid guarantee.

18. PREVAILING WAGES

Contractor and any applicable subcontractor shall pay prevailing wages as established by the Illinois Department of Labor and determined by the Village for each craft or type of work needed to execute the contract in accordance with the Illinois Prevailing Wage

Act, 820 ILCS 130/0.01 *et seq.* ("Act"). Contractor shall prominently post the current schedule of prevailing wages at the Project site(s) and shall notify immediately in writing all of its subcontractors of all changes in the schedule of prevailing wages. Any increases in costs to Contractor due to changes in the prevailing rate of wage during the terms of any Contract shall be at the sole expense of Contractor and not at the expense of the Village, and shall not result in an increase to the Contract Price. Contractor shall be solely responsible to maintain accurate records as required by the Act and shall submit certified payroll records to the Village evidencing its compliance with the Act on no less than a monthly basis as required by the Act. Contractor shall be solely liable for paying the difference between prevailing wages and any wages actually received by laborers, workmen and/or mechanics engaged in the Work for the Project.

Contractor shall indemnify, hold harmless, and defend the Village, its officers, officials, employees, agents and volunteers ("Indemnified Parties") against all regulatory actions, complaints, damages, claims, suits, liabilities, liens, judgments, costs and expenses, including reasonable attorney's fees, which may in any way arise from or accrue against the Indemnified Parties as a consequence of noncompliance with the Act or which may in any way result therefrom, including a complaint by the Illinois Department of Labor under Section 4(a-3) of the Act, 820 ILCS 130/4(a-3) that any or all of the Indemnified Parties violated the Act by failing to give proper notice to the Grantee or any other party performing work on the Public Improvements that not less than the prevailing rate of wages shall be paid to all laborers, workers and mechanics performing Work on the Project, including interest, penalties or fines under Section 4(a-3). The indemnification obligations of this section on the part of Contractor shall survive the termination or expiration of this Agreement. In any such claim, complaint or action against the Indemnified Parties, Contractor shall, at its own expense, appear, defend and pay all charges of reasonable attorney's fees and all reasonable costs and other reasonable expenses arising therefrom or incurred in connection therewith, and, if any judgment or award shall be rendered against the Indemnified Parties in any such action, Contractor shall at its own expense, satisfy and discharge such judgment or award.

19. GOVERNING LAW AND VENUE

This Contract shall be governed by the laws of the State of Illinois both as to interpretation and performance. Venue for any action pursuant to this Contract shall be in the Circuit Court of Cook County, Illinois.

20. AMENDMENTS AND MODIFICATIONS

This Contract may be modified or amended from time-to-time provided, however, that no such amendment or modification shall be effective unless reduced to writing and duly authorized and signed by the authorized representative of the Village and the authorized representative of the Contractor.

21. NON-WAIVER OF RIGHTS

No failure of either party to exercise any power given to it hereunder or to insist upon strict compliance by the other party with its obligations hereunder, and no custom or practice of the parties at variance with the terms hereof, nor any payment under this Contract shall constitute a waiver of either party's right to demand exact compliance with the terms hereof.

22. CONFLICT

In case of a conflict between any provision(s) of the Village's Request for Bids or the Contractor's Bid and this Contract, this Contract and the Village's Request for Bids shall control to the extent of such conflict.

23. HEADINGS AND TITLES

The headings and titles provided in this Contract are for convenience only and shall not be deemed a part of this Contract.

24. COOPERATION OF THE PARTIES

The Village and Contractor shall cooperate in the provision of the Work to be provided by Contractor pursuant to this Contract and in compliance with applicable laws, including, but not limited to, the Illinois Freedom of Information Act, 5 ILCS 140/1 *et seq.* ("FOIA"), and the provision of any documents and information pursuant to a FOIA request. Contractor shall provide any and all responsive documents to the Village pursuant to a FOIA request at no cost to the Village.

25. COUNTERPARTS; FACSIMILE OR PDF SIGNATURES

This Contract may be executed in counterparts, each of which shall be considered an original and together shall be one and the same Contract. A facsimile or pdf copy of this Agreement and any signature(s) thereon will be considered for all purposes as an original.

**[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK -
SIGNATURE PAGE FOLLOWS]**

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be signed by their duly authorized representatives on the dates set forth below.

VILLAGE OF OAK PARK

_____
By: Cara Pavlicek
Its: Village Manager

Date: _____, ____

ATTEST

_____
By: Vicky Scaman
Its: Village Clerk

Date: _____, ____

_____

_____
By:
Its:

Date: _____, ____

ATTEST

_____
By:
Its:

Date: _____, ____

The Village of Oak Park
2017 Roof Restorations

This Document provides specifications for:

Village Hall Single-Ply Roof Restoration
123 N. Madison St. Oak Park, IL

Main Fire House Metal Roof Restoration
100 N. Euclid Ave. Oak Park, IL

Key Contacts:
Joe Mlachak – The Garland Co.
JMLACHAK@GARLANDIND.COM
Mobile: 312-206-8814

Vic Sabaliauskas – Village of Oak Park
VSABALIAUSKAS@OAK-PARK.US
Office: 708-358-5700

Mandatory Pre-Bid Meeting:
Main Fire House located at 100 N. Euclid Ave.
Wednesday, May 24th at 9:00AM

Please note the material for this job is being purchased by the Village of Oak Park directly from Garland Industries through the U.S. Communities Procurement Co-Operative. A material list with descriptions and quantities will be provided at the pre-bid meeting.

SECTION 07563
FLUID APPLIED ROOFING RESTORATION

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PART 1 GENERAL

1.1 SECTION INCLUDES

A. Metal Surface Roof Restoration (1.4.B)(2.3)

B. Single Ply Roof Restoration (1.4.E)(2.6)

1.2 RELATED SECTIONS

A. Section 06100 - Rough Carpentry: Roof blocking installation and requirements.

B. Section 07620 - Sheet Metal Flashing and Trim: Metal cap flashing and expansion joints.

C. Section 07620 - Sheet Metal Flashing and Trim: Weather protection for base flashings.

D. Section 07710 - Manufactured Roof Specialties: Counter flashing gravel stops, and fascia, scuppers, gutters and downspouts.

E. Section 15430 - Plumbing Specialties: Piping vents and roof drains.

1.3 REFERENCES

A. ASTM C 78 - Standard Test Method for Flexural Strength of Concrete.

B. ASTM C 92 - Standard Test Methods for Sieve Analysis and Water Content of Refractory Materials.

C. ASTM C 109 - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars.

D. ASTM C 920 - Standard Specification for Elastomeric Joint Sealants.

E. ASTM C 1250 - Standard Test Method for Nonvolatile Content of Cold Liquid-Applied Elastomeric Waterproofing Membranes.

F. ASTM D 5 - Standard Test Method for Penetration of Bituminous Materials.

G. ASTM D 36 - Standard Test Method for Softening Point of Bitumen.

H. ASTM D 43 - Standard Specification for Coal Tar Primer Used in Roofing, Dampproofing, and Waterproofing.

I. ASTM D 71 - Standard Test Method for Relative Density of Solid Pitch and Asphalt.

J. ASTM D 75 - Standard Practice for Sampling Aggregates.

K. ASTM D 92 - Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester.

L. ASTM D 93 - Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester.

M. ASTM D 113 - Standard Test Method for Ductility of Bituminous Materials.

N. ASTM D 412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension.

O. ASTM D 562 - Standard Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer.

P. ASTM D 624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers

Q. ASTM D 816 - Standard Test Methods for Rubber Cements.

R. ASTM D 1002 - Standard Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal).

S. ASTM D 1370 - Standard Test Method for Contact Compatibility Between Asphaltic Materials (Oliensis Test).

T. ASTM D 1475 - Standard Test Method For Density of Liquid Coatings, Inks, and Related Products.

U. ASTM D 1863 - Standard Specification for Mineral Aggregate Used on Built-Up Roofs.

V. ASTM D 1876 - Standard Test Method for Peel Resistance of Adhesives (T-Peel Test).

W. ASTM D 2042 - Standard Test Method for Solubility of Asphalt Materials in Trichloroethylene.

X. ASTM D 2196 - Standard Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield type) Viscometer.

Y. ASTM D 2240 - Standard Test Method for Rubber Property-Durometer Hardness.

Z. ASTM D 2369 - Standard Test Method for Volatile Content of Coatings.

AA. ASTM D 2939 - Standard Test Methods for Emulsified Bitumens Used as Protective Coatings.

BB. ASTM D 3111 - Standard Test Method for Flexibility Determination of Hot-Melt Adhesives by Mandrel Bend Test Method.

CC. ASTM D 3960 - Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings.

DD. ASTM D 4209 - Standard Practice for Determining Volatile and Nonvolatile Content of Cellulosics, Emulsions, Resin Solutions, Shellac, and Varnishes.

EE. ASTM D 4212 - Standard Test Method for Viscosity by Dip-Type Viscosity Cups.

FF. ASTM D 4402 - Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer.

GG. ASTM D 4479 - Standard Specification for Asphalt Roof Coatings - Asbestos-Free.

HH. ASTM D 5040 - Standard Test Methods for Ash Content of Adhesives.

II. ASTM D 5420 - Standard Test Method for Impact Resistance of Flat, Rigid Plastic Specimen by Means of a Striker Impacted by a Falling Weight (Gardner Impact).

JJ. ASTM E 1980 - Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces

KK. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.

LL. SRI - Solar Reflectance Index calculated according to ASTM E 1980.

MM. South Coast AQMD Standards.

NN. SMACNA Architectural Sheet Metal Manual.

OO. ANSI/SPRI ES-1 - Testing and Certification Listing of Shop Fabricated Edge Metal

PP. National Roofing Contractors Association (NRCA) - Roofing and Waterproofing Manual.

1.4 SYSTEM DESCRIPTION

A. Metal Surface Roof Restoration: Renovation work includes:
1. Surface preparation: Remove loose flaking rust, dust, dirt, debris, secure all gaped panels and replace all loose fasteners with next size larger.
2. Metal Flashings: Repair/Replace metal flashings, pitch pockets, etc.
3. Primer: Prime entire roof surface. (For all White-Knight system only)

B. Single Ply Roof Restoration Renovation: work includes:
1. Surface preparation: Remove membrane chalking, dust, dirt, and debris.
2. Fascia Edges: Inspect and make repairs to membrane
3. Parapets and Vertical Surfaces: Inspect and make repairs to any splits or membrane deterioration.
4. Metal Flashings: Repair/Replace metal flashings, pitch pockets, etc.
5. Roof Repairs: Repair blisters, stressed or cracked membrane. Cut back, patch with new membrane

1.5 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.

C. Shop Drawings: Submit shop drawings including installation details of roofing, flashing, fastening, insulation and vapor barrier, including notation of roof slopes and fastening patterns of insulation and base modified bitumen membrane, prior to job start.

D. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
1. List of proposed materials with recycled content. Indicate post-consumer recycled content and pre-consumer recycled content for each product having recycled content.
2. Product data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content.
3. Product reflectivity and emissivity criteria to qualify for one point under the LEED credit category, Credit 7.2, Landscape & Exterior Design to Reduce Heat Island - Roof.

E. Verification Samples: For each product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, and color.

F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

G. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic inspection and maintenance of all completed roofing work. Provide product warranty executed by the manufacturer. Assist Owner in preparation and submittal of roof installation acceptance certification as may be necessary in connection with fire and extended coverage insurance on roofing and associated work.

1.6 QUALITY ASSURANCE

A. Perform Work in accordance with NRCA Roofing and Waterproofing Manual.

B. Manufacturer Qualifications: Manufacturer: Company specializing in manufacturing products specified in this section with documented ISO 9001 certification and minimum twelve years and experience.

C. Installer Qualifications: Company specializing in performing Work of this section with minimum five years documented experience and a certified Pre-Approved Garland Contractor.

D. Installer's Field Supervision: Maintain a full-time Supervisor/Foreman on job site during all phases of roofing work while roofing work is in progress.

E. Product Certification: Provide manufacturer's certification that materials are manufactured in the United States and conform to requirements specified herein, are chemically and physically compatible with each other, and are suitable for inclusion within the total roof system specified herein.

F. Source Limitations: Obtain all components of roof system from a single manufacturer. Secondary products that are required shall be recommended and approved in writing by the roofing system Manufacturer. Upon request of the Architect or Owner, submit Manufacturer's written approval of secondary components in list form, signed by an authorized agent of the Manufacturer.

1.7 PRE-INSTALLATION CONFERENCE

A. Convene a pre-roofing conference approximately two weeks before scheduled commencement of roofing system installation and associated work.

B. Require attendance of installers of deck or substrate construction to receive roofing, installers of rooftop units and other work in and around roofing which must precede or follow roofing work including mechanical work, Architect, Owner, roofing system manufacturer's representative.

C. Objectives include:
   1. Review foreseeable methods and procedures related to roofing work, including set up and mobilization areas for stored material and work area.
   2. Tour representative areas of roofing substrates, inspect and discuss condition of substrate, roof drains, curbs, penetrations and other preparatory work.
   3. Review structural loading limitations of deck and inspect deck for loss of flatness and for required attachment.
   4. Review roofing system requirements, Drawings, Specifications and other Contract Documents.
   5. Review and finalize schedule related to roofing work and verify availability of materials, installer's personnel, equipment and facilities needed to make progress and avoid delays.
   6. Review required inspection, testing, certifying procedures.
   7. Review weather and forecasted weather conditions and procedures for coping with unfavorable conditions, including possibility of temporary roofing.
   8. Record conference including decisions and agreements reached. Furnish a copy of records to each party attending.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging with labels intact until

ready for installation.

B. Store all roofing materials in a dry place, on pallets or raised platforms, out of direct exposure to the elements until time of application. Store materials at least 4 inches above ground level and covered with "breathable" tarpaulins.

C. Stored in accordance with the instructions of the manufacturer prior to their application or installation. Store roll goods on end on a clean flat surface. No wet or damaged materials will be used in the application.

D. Store at room temperature wherever possible, until immediately prior to installing the roll. During winter, store materials in a heated location with a 50 degree F (10 degree C) minimum temperature, removed only as needed for immediate use. Keep materials away from open flame or welding sparks.

E. Avoid stockpiling of materials on roofs without first obtaining acceptance from the Architect/Engineer.

F. Adhesive storage shall be between the range of above 50 degree F (10 degree C) and below 80 degree F (27 degree C). Area of storage shall be constructed for flammable storage.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Weather Condition Limitations: Do not apply roofing system during inclement weather or when a 40 percent chance of precipitation or greater is expected.

C. Proceed with roofing work only when existing and forecasted weather conditions will permit unit of work to be installed in accordance with manufacturer's recommendations and warranty requirements.

D. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.

E. When applying materials with spray equipment, take precautions to prevent over spray and/or solvents from damaging or defacing surrounding walls, building surfaces, vehicles or other property. Care should be taken to do the following:
1. Close air intakes into the building.
2. Have a dry chemical fire extinguisher available at the jobsite.
3. Post and enforce "No Smoking" signs.

F. Avoid inhaling spray mist; take precautions to ensure adequate ventilation.

G. Protect completed roof sections from foot traffic for a period of at least 48 hours at 75 degrees F (24 degrees C) and 50 percent relative humidity or until fully cured.

H. Take precautions to ensure that materials do not freeze.

I. Minimum temperature for application is 40 degrees F (4 degrees C) and rising for solvent based materials and 50 degrees F (10 degrees C) and rising for water based.

1.10 WARRANTY

A. Upon completion of the work, provide the Manufacturer's written and signed limited labor

and materials Warranty, warranting that, if a leak develops in the roof during the term of this warranty, due either to defective material or defective workmanship by the installing contractor, the manufacturer shall provide the Owner, at the Manufacturer's expense, with the labor and material necessary to return the defective area to a watertight condition.

1. Warranty Period:
    a. 5 plus 5 (10 years): 5 years from date of acceptance plus 5 additional years after required inspection by Garland.

B. Installer is to guarantee all work against defects in materials and workmanship for a period indicated following final acceptance of the Work.

1. Warranty Period:
    a. 2 years from date of acceptance.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Garland Company, Inc. (The), which is located at: 3800 E. 91st St.; Cleveland, OH 44105; Toll Free Tel: 800-321-9336; Tel: 216-641-7500; Fax: 216-641-0633; Email: request info (jmlachak@garlandind.com); Web:www.garlandco.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 ROOF RESTORATION SYSTEM FOR METAL SURFACE ROOFS

A. Cold Applied White-Knight Plus/ White-Stallion Plus:

1. Primer: White-Knight Metal Primer/ White-Stallion Metal Primer:
2. Coating: White-Knight Plus/ White-Stallion Plus:
3. Flashing: None or repair as needed.
4. Reinforcement: None.
5. Surfacing: None

2.3 ROOF RESTORATION SYSTEM FOR SINGLE PLY ROOFS

A. White-Knight Plus/ White-Stallion Plus:

1. Primer: None.
2. Coating: White-Knight Plus/ White-Stallion Plus.
3. Flashing: Repair or replace as needed.
4. Reinforcement: Apply White-Knight Plus Base Coat/ White-Stallion Plus Base Coat on seams and around penetrations only.
5. Surfacing: None.

2.4 EDGE TREATMENT AND ROOF PENETRATION FLASHINGS

A. Flashing Boot - Rubbertite Flashing Boot: Neoprene pipe boot for sealing single or multiple pipe penetrations adhered in approved adhesives as recommended and furnished by the membrane manufacturer.

B. Vents and Breathers: Heavy gauge aluminum and fully insulated vent that allows moisture and air to escape but not enter the roof system as recommended and furnished by the membrane manufacturer.

C. Pitch pans, Rain Collar 24 gauge stainless or 20oz (567gram) copper. All joints should be welded/soldered watertight. See details for design.

D. Drain Flashings should be 4lb (1.8kg) sheet lead formed and rolled.

E. Plumbing stacks should be 4lb (1.8kg) sheet lead formed and rolled.

F. Liquid Flashing - Tuff-Flash: An asphaltic-polyurethane, low odor, liquid flashing material designed for specialized details unable to be waterproofed with typical modified membrane flashings.
   1. Tensile Strength, ASTM D 412: 400 psi
   2. Elongation, ASTM D 412: 300%
   3. Density @77 degrees F 8.5 lb/gal typical

G. Fabricated Flashings: Fabricated flashings and trim are specified in Section 07620.
   1. Fabricated flashings and trim shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the CDA Copper Development Association "Copper in Architecture - Handbook" as applicable.

H. Manufactured Roof Specialties: Manufactured copings, fascia, gravel stops, control joints, expansion joints, joint covers and related flashings and trim are specified in Section 07710.
   1. Manufactured roof specialties shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the NRCA "Roofing and Waterproofing Manual" as applicable.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. Verify that work penetrating the roof deck, or which may otherwise affect the roofing, has been properly completed.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 ROOF PREPARATION AND REPAIR

A. General:
   1. Remove existing roof flashings from curbs and parapet walls down to the surface of the roof. Remove existing flashings at roof drains and roof penetrations.
   2. Remove all wet, deteriorated, blistered or delaminated roofing membrane or insulation and fill in any low spots occurring as a result of removal work to create a smooth, even surface for application of new roof membranes.
   3. Install new wood nailers as necessary to accommodate insulation/recovery board or new nailing patterns.
   4. When mechanically attached, the fastening pattern for the insulation/recovery board shall be as recommended by the specific product manufacturer.
   5. Re-roofing over coal tar pitch requires a mechanically attached recovery board or insulation and a base sheet prior to the application of roofing system.
   6. Existing roof surfaces shall be primed as necessary and allowed to dry prior to installing the roofing system.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Repair all defects such as deteriorated roof decks; replace saturated insulation board, replace loose or brittle membrane or membrane flashings. Verify that exiting conditions meet the following requirements:
   1. Existing membrane is either fully adhered or that the membranes mechanical fasteners are secured and functional.

2. Application of roofing materials over a brittle roof membrane is not recommended.

D. Remove all loose dirt and foreign debris from the roof surface. Do not damage roof membrane in cleaning process.

E. Clean and seal all parapet walls, gutters and coping caps, and repair any damaged metal where necessary. Seal watertight all fasteners, pipes, drains, vents, joints and penetrations where water could enter the building envelope.

F. Clean the entire roof surface by removing all dirt, algae, paint, oil, talc, rust or foreign substance. Use a 10 percent solution of TSP (tri-sodium phosphate), Simple Green and warm water. Scrub heavily soiled areas with a brush. Rinse with fresh water to remove all TSP solution. Allow roof to dry thoroughly before continuing.

G. Repair existing roof membrane as necessary to provide a sound substrate for the liquid membrane. All surface defects (cracks, blisters, tears) must be repaired with similar materials.

H. Pre-Treatment of Known Growth - General Surfaces: Once areas of moss, mold, algae and other fungal growths or vegetation have been removed and surfaces have also been thoroughly cleaned, apply a biocide wash at a maximum spread rate of 0.2 gallons/square (0.08 liters/m), to guard against subsequent infection. Allow to dry onto absorbent surfaces before continuing with the application. On non-absorbent surfaces, allow to react before thoroughly rinsing to remove all traces of the solution.

I. Power washing of metal roof surfaces to remove all loose rust or scale is mandatory before application. Use a high volume air broom or compressed air to remove residual dust rust perforations, etc. Deteriorated metal roof decks must be repaired or replaced prior to the application of the coating system.

3.3 INSTALLATION

A. General Installation Requirements:
1. Install in accordance with manufacturer's instructions. Apply to minimum coating thickness required by the manufacturer.
2. Cooperate with manufacturer, inspection and test agencies engaged or required to perform services in connection with installing the roof system.
3. Insurance/Code Compliance: Where required by code, install and test the roofing system to comply with governing regulation and specified insurance requirements.
4. Protect work from spillage of roofing materials and prevent materials from entering or clogging drains and conductors. Replace or restore work damaged by installation of the roofing system.
5. All primers must be top coated within 24 hours of application. Re-prime If more time passes after priming.
6. Keep roofing materials dry during application. Phased construction can be allowed as long as no, more than 7 days pass between coats excluding primers.
7. Coordinate counter flashing, cap flashings, expansion joints and similar work with work specified in other Sections under Related Work.
8. Coordinate roof accessories and miscellaneous sheet metal accessory items, including piping vents and other devices with work specified in other Sections under Related Work.

B. Metal Surface Roof Restoration: Renovation work includes:
1. Surface Preparation: Remove loose flaking rust, dust, dirt, debris, secure all gaped panels and replace all loose fasteners with next size larger.
a. Remove rust by the most rigorous method suitable for the particular project and as approved by Garland.

b. Tighten all fasteners and verify that neoprene washers are in place.
c. Replace missing fasteners using oversize fasteners as necessary.
d. Seal all fastener heads by applying a heavy dab of compatible sealant to the tops and around of all fastener heads.
1) White-Knight Plus/ Stallion Plus

2. Flashings: Repair/Replace metal flashings, pitch pockets, etc.
3. Primer:
a. Immediately after rust has been removed, prime surfaces with White-Knight Metal Primer/ Stallion Metal Primer at 1/4 gallon per 100 SF to prevent rust from reoccurring.
4. Reinforcement: Base coat and treatment of field seams and around penetrations:
a. Application of White-Knight Plus Base Coat/ White-Stallion Plus Base Coat or White-Knight Plus Base Coat WC on field seams, flashings and around penetrations
1) Verify that the surface to be coated is properly prepared.
2) Restore the surface to a suitable condition if roof surface becomes contaminated with dirt, dust or other materials that will interfere with adhesion of the coatings.
3) Apply materials at specified dry film thickness.
4) Apply White-Knight Plus Base Coat/ White-Stallion Plus Base Coat or White-Knight Plus WC Base Coat at minimum 6 inch wide stripes over all seams, flashings and around penetrations at 2.0 gallons per 100 SF.
5) Use fabric reinforcement when panels are gapped and cannot be be cured tightly together.
6) Allow to dry for a minimum of 24 hours before applying finish coats.
7) On vertical surfaces to achieve proper application rate cut your application into two coats to avoid sagging and runs of coating.
5. Coating:
a. Material: Apply in a uniform manner at 2.0 gallons per 100 SF over the entire roof surface.
1) White-Knight Plus/ Stallion Plus
b. Use special attention to coating flashings and other critical areas to build adequate membrane thickness.
c. Use multiple coats on verticals to prevent sagging.
d. Apply to Garland's minimum membrane thickness over the entire roof surface.

C. Single Ply Roof Restoration Renovation: work includes:
1. Surface preparation: Remove membrane chalking, dust, dirt, and debris.
2. Flashing:
a. Fascia Edges: Inspect and make repairs to membrane.
b. Parapets and Vertical Surfaces: Inspect and make repairs to any splits or membrane deterioration.
c. Metal Flashings: Repair/Replace metal flashings, pitch pockets, etc.
3. Reinforcement: Base coat and treatment of field seams and around penetrations:
a. Application of White-Knight Plus/ Stallion Plus or White-Knight Plus WC on field seams, flashings and around penetrations.
1) Verify that the surface to be coated is properly prepared.
2) Restore the surface to a suitable condition if roof surface becomes contaminated with dirt, dust or other materials that will interfere with adhesion of the coatings.
3) Apply materials must be applied at specified dry film thickness.
4) Apply White-Knight/ Stallion Plus or White-Knight Plus WC at minimum 6 inch wide stripe over all seams, flashings and around penetrations at 2.0 gallons per 100 SF.
5) Allow to dry for a minimum of 24 hours before applying finish coats.
6) On vertical surfaces to achieve proper application rate cut your

application into two coats to avoid sagging and runs of coating.

4. Coating: Application of White-Knight/ Stallion, White-Knight WC or White-Knight Plus/ Stallion Plus, White-Knight Plus WC finish coats.
   a. Apply White-Knight/ Stallion or White-Knight Plus/ Stallion Plus in a uniform manner.
   b. Use special attention to coating flashings and other critical areas to build adequate membrane thickness.
   c. Use multiple coats on verticals to prevent sagging.
   d. Apply at 2.0 gallons per 100 SF over the entire roof surface.

3.4 INSTALLATION EDGE TREATMENT AND ROOF PENETRATION FLASHING

A. Fabricated Flashings: Fabricated flashings and trim are provided as specified in Section 07620.
   1. Fabricated flashings and trim shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the Copper Development Association "Copper in Architecture - Handbook" as applicable.

B. Manufactured Roof Specialties: Manufactured copings, fascia, gravel stops, control joints, expansion joints, joint covers and related flashings and trim are provided as specified in Section 07710.
   1. Manufactured roof specialties shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the National Roofing Contractor's Association "Roofing and Waterproofing Manual" as applicable.

3.5 CLEANING

A. Clean-up and remove daily from the site all wrappings, empty containers, paper, loose particles and other debris resulting from these operations.

B. Remove asphalt markings from finished surfaces.

C. Repair or replace defaced or disfigured finishes caused by Work of this section.

3.6 PROTECTION

A. Provide traffic ways, erect barriers, fences, guards, rails, enclosures, chutes and the like to protect personnel, roofs and structures, vehicles and utilities.

B. Protect exposed surfaces of finished walls with tarps to prevent damage.

C. Plywood for traffic ways required for material movement over existing roofs shall be not less than 5/8 inch (16 mm) thick.

D. In addition to the plywood listed above, an underlayment of minimum 1/2 inch (13 mm) recover board is required on new roofing.

E. Special permission shall be obtained from the Manufacturer before any traffic shall be permitted over new roofing.

3.7 FIELD QUALITY CONTROL

A. Require attendance of roofing materials manufacturers' representatives at site during installation of the roofing system.

B. Perform field inspection and [and testing] as required under provisions of Section 01410.

C. Correct defects or irregularities discovered during field inspection.

3.8 FINAL INSPECTION

A. At completion of roofing installation and associated work, meet with Contractor, Architect, installer, installer of associated work, roofing system manufacturer's representative and others directly concerned with performance of roofing system.

B. Walk roof surface areas, inspect perimeter building edges as well as flashing of roof penetrations, walls, curbs and other equipment. Identify all items requiring correction or completion and furnish copy of list to each party in attendance.

C. If core cuts verify the presence of damp or wet materials, the installer shall be required to replace the damaged areas at his own expense.

D. Repair or replace deteriorated or defective work found at time above inspection as required to a produce an installation that is free of damage and deterioration at time of Substantial Completion and according to warranty requirements.

E. Architect upon completion of corrections.

F. Following the final inspection, provide written notice of acceptance of the installation from the roofing system manufacturer.

3.9 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

3.10 SCHEDULES

A. Coatings:
   1. Coating: White-Knight Plus/ White-Stallion Plus: Highly reflective multi- purpose, single-component aliphatic urethane, liquid waterproofing membrane.
      a. Tensile Strength: ASTM D 412, 2100 psi
      b. Tear Resistance: ASTM D 624, 160 lbs./in
      c. Elongation: ASTM D 412, 320%
      d. Density @ 77 degrees F (25 degrees C, ASTM D 2939) 10.4 lb./gal (1.2 g/m3)
      e. Flash Point: ASTM D 93, 110 degrees F min. (43 degrees C)
      f. Non-Volatile: ASTM D 75, Typical 83%
      g. Viscosity @ 77 degrees F (25 degrees C); Brookfield RVT, #4 Spindle 10 rpm9200 cP
      h. Wet Film Thickness@ 2 gal./100 sq. ft. (0.82 l/m2)
      i. VOC: 225 g/l
      j. Reflectance: 0.87
      k. Emittance: 0.89
      l. SRI: 110

B. Flashings
   1. Coating: White-Knight Plus/ White-Stallion Plus: highly reflective multi- purpose, single-component aliphatic urethane, liquid waterproofing membrane.
      a. Tensile Strength: ASTM D 412, 2100 psi
      b. Tear Resistance: ASTM D 624, 160 lbs./in
      c. Elongation: ASTM D 412, 320%
      d. Density @ 77 degrees F (25 degrees C, ASTM D 2939) 10.4 lb./gal (1.2 g/m3)
      e. Flash Point: ASTM D 93, 110 degrees F min. (43 degrees C)
      f. Non-Volatile: ASTM D 75, Typical 83%
      g. Viscosity @ 77 degrees F (25 degrees C); Brookfield RVT, #4 Spindle 10

rpm9200 cP

h. Wet Film Thickness @ 2 gal./100 sq. ft. (0.82 l/m2)
i. VOC: 225 g/l
j. Reflectance: 0.87
k. Emittance: 0.89
l. SRI: 110

END OF SECTION