

Date Due: October 21, 2020
DUE NO LATER THAN 11:00 A.M.
LOCAL TIME IN HOUSTON, TEXAS
*Proposals received later than the above
date and time will not be considered.*

**YES Prep Public
Schools
REQUEST FOR PROPOSAL
Cover Sheet**

REQUEST FOR PROPOSAL: Re-Roofing Services

NOTE TO PROPOSERS!!! Carefully read all instructions, requirements, and specifications. Fill out all forms properly and completely. Submit your proposal with all appropriate supplements and/or samples and return as instructed in Special Requirements/Instructions.

**RETURN PROPOSAL TO:
Richard Lilavois
Construction Project Manager
5515 S Loop E, Suite B
Houston, Texas 77033**

For additional information, contact Richard Lilavois at Richard.Lilavois@yesprep.org or 832-528-4467.

You must sign below in INK; failure to sign WILL disqualify the proposal. All prices must be typewritten or printed in ink.

Vendor Name: _____

Vendor Address: _____

City, State, Zip Code: _____

Taxpayer Identification Number (T.I.N.): _____

Telephone No.: _____ Fax No.: _____

Email: _____

Print Name: _____ Signature: _____

[Your signature attests to your proposal to provide the goods and/or services in this proposal according to the published provisions of this Request for Proposal unless modifications or alterations are clearly noted in your proposal submission.]

TABLE OF CONTENTS – REQUEST FOR PROPOSAL PACKAGE

The items below represent components which comprise this Request for Proposal (hereinafter “RFP”) package. Suppliers are asked to review the package to be sure that all applicable parts are included. If any portion of the package is missing, please notify Richard Lilavois, Construction Project Manager, immediately at Richard.Lilavois@yesprep.org or 832-528-4467.

It is the Vendor’s responsibility to be thoroughly familiar with all Requirements and Specifications. Be sure you understand the following before you return your proposal packet.

1. Cover Sheet

Your company name, address, and your signature (**IN INK**) should appear on this page.

2. Table of Contents

This page is the Table of Contents.

3. General Requirements

You should be familiar with all of the General Requirements.

4. Special Requirements/Instructions

This section provides information you must know in order to make a complete and proper proposal.

5. Specifications

This section contains the detailed description of the products/services sought.

6. Attachments

- A. Submittals 1 - 4
- B. Questionnaire
- C. Workers’ Compensation Certification
- D. Insurance Coverage Requirements
- E. Financial Statement
- F. Proposed Exceptions, Alterations, Additions, or Modifications to RFP (if any)
- G. Scoring Rubric

INTRODUCTION

YES Prep Public Schools is a free, open-enrollment public school system that serves 15,000 students across nineteen (19) schools in the Houston area. YES Prep has been ranked as among the top 100 public high schools in the nation by Newsweek and U.S. News & World Report. Every year, 100 percent of YES Prep's graduating seniors have been accepted into four-year colleges, including Harvard, Yale, Columbia, Rice, and Stanford. YES Prep combines a highly successful 6th-12th grade model along with high standards for student achievement.

GENERAL REQUIREMENTS

Proposals will be accepted by Yes Prep Public Schools no later than 11:00 a.m. (local time), **October 21, 2020**. Every proposal must be enclosed in an envelope clearly marked "Yes Prep Fifth Ward and North Central Roof", and shall include one copy.

All questions, requests, responses, and proposals shall be submitted to:

Richard Lilavois - Construction Project Manager

Yes Prep Public Schools

5515 S Loop E, Suite B

Houston, TX 77033

Richard.Lilavois@yesprep.org

Questions and responses regarding this RFP will be posted to the Yes Prep Public Schools web site during the RFP phase so all interested parties will have access to the same information. Web site is located at: <http://www.yesprep.org/notices>

The appropriate committee shall review all timely responses, and if necessary, the full Board of Trustees prior to acceptance/bid award. Responses may be hand delivered. Any response or proposal received after the above deadline shall be considered late, and will not be opened or considered.

Time Frame

The timeframe for all responses must be complete and in possession of YES Prep Public Schools by 11:00 a.m. (local time) on **October 21, 2020**. Each submission/proposal must be complete. Any incomplete responses may be rejected. All respondents will comply with this RFP as a basis for the award of the proposal.

Approval

The actual acceptance of any proposal may be delayed. Therefore, all responses must remain valid for a period of no less than one hundred and twenty (120) days. It is intended that proposals will be recommended to the Board of Trustees at an upcoming board meeting. The Board of Trustees reserves the right to reject any and all proposals.

ACCESS TO RECORDS

Proposer (hereinafter "Vendor") may be required to allow duly authorized representatives of YES Prep Public Schools (hereinafter "YES"), and local, state, and federal governments, access to contracts, books, documents, and records necessary to verify the nature, extent, and cost of services provided by the Vendor.

AWARD

YES reserves the right to reject any and all proposals, and reserves the sole right at its discretion to accept any proposal(s) it considers most favorable to the interest of YES and waive any and all minor irregularities in any proposal(s). YES further reserves the right to reject any proposal(s) and seek new proposals through the issuance of a new or amended Request for Proposal (hereinafter "RFP") if such action is deemed in the best interest of YES.

OFFER COMPLETION

Fill out and return to Richard Lilavois, Construction Project Manager, one complete proposal form, and two copies, as instructed under the Special Requirements section of this document. An authorized Vendor representative should sign the Cover Sheet. Completion of these forms is intended to verify that the Vendor has submitted the proposal, is familiar with its contents, and has submitted the material in accordance with all requirements.

The submission of a response shall be prima facie evidence that the Vendor has full knowledge of the scope, nature, quantity, and quality of work to be performed, the detailed requirements of the project, and the conditions under which the work is to be performed. All terms, conditions, specifications, stipulations, and Vendor requirements stated in the RFP, any attached Appendices to the RFP, and any and all Addenda issued shall become part of the contract entered into between YES and the Vendor.

OFFER RETURNS

Vendors must return all completed proposals to the office of Richard Lilavois as indicated on the Cover Sheet of this package. Late proposals will not be accepted. It is the responsibility of the responding Vendor to assure that the response is received prior to the date and time indicated on the Cover Sheet of this package.

DIGITAL FORMAT

If Vendor obtained the proposal specifications in digital format in order to prepare a response, ***the proposal must be submitted in hard copy*** according to the instructions contained in this package. If, in its response, Vendor makes any changes whatsoever to the YES published RFP specifications, the RFP specifications ***as published*** by YES shall control. Furthermore, if an alteration of any kind to the RFP specifications as published is discovered after the contract is executed, the contract is subject to immediate cancellation at the sole option of YES.

DISQUALIFICATION OF VENDOR

Upon signing this RFP, Vendor certifies that the proposal has not violated the antitrust laws of this state codified in §15.01, *et seq.*, Business & Commerce Code, or the federal antitrust laws, and has not communicated directly or indirectly the proposal made to any competitor or any other person engaged in such line of business. Any or all proposals may be rejected if YES believes that collusion exists among the Vendors. Proposals in which the prices are obviously unbalanced may be rejected.

EVALUATION

In evaluating the proposals submitted, YES will apply the "Best Value" process in selecting the Vendor to be awarded a contract for this project. **Purchase price is not the only criteria that will be used in the evaluation process.** The selection process will include, but not be limited to, the following considerations:

1. The quality and range of goods and/or services the Vendor proposes to

provide;

2. The extent to which the goods and/or services meet YES needs;
3. The Vendor's overall experience, reputation, expertise, stability, and financial responsibility;
4. The Vendor's past relationship, if any, with YES;
5. The experience and qualifications of the Vendor staff (i.e. drivers, supervisors, dispatchers, mechanics, etc.) that will be assigned to service the YES account;
6. The ability to provide service in a safe, reliable, expedient, and efficient manner;
7. Facilities and business processes and practices (computerized information systems, access to industry facilities, quality and range of management reports, etc.) that will be used in servicing the YES account;
8. The Vendor's financial terms offered to YES;
9. The total long-term cost to YES to acquire the Vendor's goods or services; and/or
10. Any other relevant factor(s) specifically listed in the RFP.

YES reserves the right to contact references from the Vendor's client list, or any other persons considered relevant by YES. YES reserves the right to conduct personal interviews of any or all potential Vendors prior to selection.

YES will not be liable for any costs incurred by the Vendor in connection with such interviews or with the submission of any response.

DOCUMENT INTERPRETATION

In the event of any conflict of interpretation of any part of this overall document, the interpretation of YES shall govern.

GOVERNING LAW

Any agreements resulting from this RFP shall be governed by, construed, and enforced in accordance with the laws of the State of Texas applicable to contracts made and wholly performed within such state (without regard to the conflicts or choice of law principles thereof). The parties irrevocably consent to the jurisdiction of the State of Texas, and agree that any court of competent jurisdiction sitting in the County of Harris, State of Texas, shall be an appropriate and convenient place of venue, and shall be the sole and exclusive place of venue, to resolve any dispute with respect to any such agreements.

HOLD HARMLESS AGREEMENT

The successful Vendor(s) shall indemnify, hold harmless, and defend YES, its directors, officers, and employees (paid or volunteer) from and against any and all claims, demands, and

causes of action of whatever kind or nature arising out of error, omission, misrepresentation, negligent act, conduct, or misconduct of the Vendor and its subcontractors, agents, and employees (paid or volunteer) in the provision of goods or the performance of services arising out of the preparation of this proposal and execution and performance of any contracts resulting therefrom. Such indemnification shall also include reasonable attorneys' fees, court costs, and expenses.

INSPECTIONS

YES reserves the right to inspect any item(s) or service location for compliance with specifications, requirements, and needs of YES. If a Vendor cannot furnish a sample of a proposed item, where applicable, for review, or fails to satisfactorily show an ability to perform, YES can reject the Vendor as inadequate.

TESTING

YES reserves the right to test equipment, supplies, materials, and goods proposed for quality, compliance with specifications, and ability to meet the needs of YES. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the proposal is subject to rejection.

INVOICES AND PAYMENTS

YES standard payment terms are Net 30 days after receipt of invoice.

Invoices should be provided to YES in a timely manner. Vendors are requested to invoice YES within 30 days of providing goods and/or services to YES. Vendors who continuously invoice YES in a manner that is outside of generally accepted business practices may affect their continuing relationship with YES.

In the event a Vendor presents YES with invoices, statements, reports, etc. that are incomplete or inaccurate, YES may be required to perform substantial research which could result in delay of payment. YES will not be responsible for any interest charges and/or late fees as a result of delayed payment due to time delays caused by inadequate, incomplete, or inaccurate information provided in invoices by Vendor.

PRICING

Prices for all goods and/or services shall be negotiated to a firm amount for the duration of this contract or as agreed to in terms of time frame and/or method of determining price escalations, if any, by Vendor. All prices and methods of determining prices must be written in ink or typewritten. Where unit pricing and extended pricing differ, unit pricing prevails.

SCANNED OR RE-TYPED RESPONSE

If in its response, Vendor either electronically scans, re-types, or in some way reproduces the YES-published RFP package, then in the event of any conflict between the terms and provisions of the published RFP package, or any portion thereof, and the terms and provisions of the response made by the Vendor, the RFP package **as published** by YES shall control. Furthermore, if an alteration of any kind to the YES-published RFP package is only discovered after the contract is executed, the contract is subject to immediate cancellation at the sole option of YES.

SEVERABILITY

If any section, subsection, paragraph, sentence, clause, phrase, or word of these requirements or the specifications shall be held invalid, such holding shall not affect the remaining portions of these requirements and the specifications, and it is hereby declared that such remaining portions would have been included in these requirements and the specifications as though the invalid portion had been omitted.

SUPPLEMENTAL MATERIALS

Vendors are responsible for including all pertinent product data in the returned offer package. Literature, brochures, data sheets, specification information, completed forms requested as part of the offer package, and any other facts which may affect the evaluation and subsequent contract award should be included. Materials such as legal documents and contractual agreements, which the Vendor wishes to include as a condition of the proposal, must also be in the returned proposal package. Failure to include all necessary and proper supplemental materials may be cause to reject the entire proposal.

TAXES

YES is exempt from federal, state, and local taxes. In the event that taxes are imposed on the goods or services purchased, YES will not be responsible for payment of the taxes. The Vendor shall absorb the taxes entirely. Texas Limited Sales Tax Exemption Certificates will be furnished to Vendors upon written request to YES.

TERM CONTRACTS

The successful Vendor, as determined by YES, shall be required to execute a contract to furnish all goods and/or services and other deliverables required for successful completion of the proposed project. No Vendor shall obtain any interest or right in any award until YES has executed a contract, and any such interest and rights shall be subject to the terms and conditions as contained in such contract.

The successful Vendor may not assign, sell, or otherwise transfer its interest in the contract award, or any part thereof, without prior written consent from the YES.

QUANTITY

There is no guaranteed amount of business, expressed or implied, to be purchased or contracted for by YES. However, the Vendor(s) awarded the contract shall furnish all required goods and/or services to YES at the stated price, when and if required.

CONTRACT TYPE

The preferred contract type to be awarded is a fixed fee contract. However, if a Vendor has reason to believe a better (more cost effective) method is practical, then the Vendor is encouraged to offer that better pricing option as an alternative in its submitted proposal. YES will consider that type of contract as it compares with other recommended contract options.

TERMINATION

YES reserves the right to terminate the contract without cause with 60 days prior written notice for convenience and with 30 days prior written notice for cause if Vendor breaches any of the terms therein, including warranties of Vendor or if the Vendor becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which YES may have in law or equity. Cause may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all services required to YES's satisfaction, and/or to meet all other

obligations and requirements.

If the Vendor breaches any provision of the proposal stipulations, becomes insolvent, enters voluntary or involuntary bankruptcy, or receivership proceedings, or makes an assignment for the benefit of creditors, YES will have the right (without limiting any other rights or remedies that it may have in the contract or by law) to terminate any contract with 30 days prior written notice to the Vendor.

YES will then be relieved of all obligations, except to pay the reasonable value of the Vendor's prior performance (at a cost not exceeding the contract rate). The Vendor will be liable to YES for all costs exceeding the contract price that YES incurs in completing or procuring the service as described in the proposal. YES's right to require strict performance of any obligation in this contract will not be affected by any previous waiver, forbearance, or course of dealing.

FUNDING OUT OPTION

Any contract resulting from this RFP is contingent upon the continued availability of budget appropriations and is subject to cancellation, without penalty to YES, either in whole or in part, if funds are not appropriated by the YES Board of Directors or otherwise not made available to YES.

WARRANTIES

Vendors shall furnish all data pertinent to warranties or guarantees which may apply to items in the proposal. Vendors may not limit or exclude any implied warranties.

ASSOCIATION

Vendors may not use the YES official logo(s), or any phrase associated with YES, without written permission from YES.

DISCLOSURE

All information and documentation related to this RFP submitted by Vendors may be subject to public disclosure under the Texas Public Information Act (Texas Government Code Section 552.001, et seq.).

EXCEPTIONS, ALTERATIONS, ADDITIONS, and MODIFICATIONS

If any exceptions, alterations, additions, or modifications are submitted by Vendor to any portion of this RFP, the Vendor must clearly indicate the exceptions, alterations, additions, and modifications and include a full explanation as a separate attachment to the proposal. The failure to identify exceptions, alterations, additions, or modifications will constitute acceptance by the Vendor of the RFP as proposed by YES. YES reserves the right to reject a proposal containing exceptions, alterations, additions, or modifications.

PROPOSAL PREPARATION COSTS

All costs related to the preparation and submission of this proposal shall be paid by the Vendor. Issuance of this RFP does not commit YES, in any way, to pay any costs in the preparation and submission of the proposal, nor does the issuance of the RFP obligate YES to award a contract or purchase any goods and services stated in the RFP.

RETENTION OF PROPOSAL DOCUMENTATION

All proposal materials and supporting documentation that is submitted in response to this proposal becomes the permanent property of YES.

MODIFICATION/WITHDRAWAL OF PROPOSAL

Proposals may be modified in writing at any time prior to the due date. Proposals may be withdrawn in writing, by facsimile written transmission or in person, before the response date.

PAYMENT TERMS

Invoices that are submitted by the awarded contractor are required to provide accurate and current addresses including any discounts for early payment. Payment of undisputed invoices will be paid monthly provided that the invoices are received by dates provided to the winning bid. Disputed portions of invoices will be held until the dispute is resolved.

PROPOSAL REQUIREMENTS

- Vendor is required to provide evidence of a valid State of Texas Business License
- Vendor is required to provide an insurance certificate with Yes Prep named as an additional insured.

The entity legally responsible for fulfilling this agreement shall be identified in the proposal response.

Right to Seek a New Proposal

Yes Prep Public Schools reserves the right to receive, accept, or reject any and all proposals for any or all reasons.

Proposals will be awarded to the best overall respondent as determined to be in the best interests of Yes Prep. In comparing the responses to this RFP and making awards, Yes Prep may consider such factors as quality and thoroughness of a proposal, the record of experience, the references of the respondents, and the integrity, performance and assurances in the proposal in addition to that of the proposal price.

It is the responsibility of the vendor to ensure that the equipment proposed is fully functional with existing two-way radio equipment: handheld radios, base stations and school bus radios.

Applicable Law

The successful Contractor(s) agrees that they shall comply with all local, state and federal laws, statutes, rules, and regulations including, but not limited to, the Rehabilitation Act of 1973 and the Americans with Disabilities Act. In the event that any claims should arise with regards to this contract, for a violation of any such local, state, or federal law, statutes, rules, or regulations, the provider will indemnify and hold Huntington County Community School Corporation harmless for any damages, including court costs or attorney fees which might be incurred.

Dispute resolution

It is expected that any conflicts or disagreements can be settled through face-to-face meetings. Unresolved disputes will require mediation before filing litigation. Both parties will split the cost of mediation.

SPECIAL REQUIREMENTS/INSTRUCTIONS

EVALUATION AND AWARD

This RFP in no manner obligates YES to the eventual rental, lease, or purchase of any equipment or service described, implied, or which may be proposed, until confirmed by a written contract. Progress toward this end is solely at the discretion of YES and may be terminated at any time prior to the signing of the contract.

YES may initiate discussions with Vendor personnel authorized to contractually obligate the Vendor. Discussions will develop into negotiating sessions with the successful Vendor(s). If YES is unable to agree to contract terms, YES reserves the right to terminate contract negotiations with a Vendor and initiate negotiations with another Vendor. YES reserves the right to select services and products from any number of Vendors if, in its sole discretion, it is in the best interest of YES to do so.

Evaluation will consider the Vendor(s) best meeting the needs and requirements of YES and such evaluation and determination of best value shall be solely at the discretion of YES.

Purchase price is not the only criteria that will be used in the evaluation process.

Submission of qualifications implies the Vendor's acceptance of the evaluation criteria and Vendor's recognition that subjective judgments can and will be made by those individuals evaluating qualifications.

References, site visits, and product inspections may be used to make judgments directly affecting the award of this contract.

NON-PERFORMANCE BY VENDOR

Performance, before and during the contract term, will be a major consideration of current contract award, renewals, and future award considerations. Failure to perform, in any sense relative to this contract, may result in the probation and/or termination of this agreement by YES on the basis of nonperformance. Non-performance shall be determined as follows:

1. Failure to meet and maintain all qualifications required in this RFQ/RFP;
2. Failure to meet required personnel standards and operating performance standards;
3. Failure to maintain appropriate and/or necessary personnel licenses and certifications;
4. Failure to meet all vehicle inspections and certifications which are needed to comply with federal, state, and/or local requirements;
5. Failure to keep and maintain all required insurance coverage; and/or
6. Failure to cure deficiencies within a reasonable amount of time as stated herein.

INSURANCE

All Vendors must provide evidence of insurance or insurability and a Workers' Compensation Certificate (see Attachments C and D).

GOVERNMENT VIOLATIONS

Vendor shall notify YES of all health and safety violations, OSHA violations, wage and hour violations, or labor violations assessed by any city, state, or federal government department or agency.

NON-COMPLIANCE NOTIFICATION

In the event a Vendor is determined by YES to have failed to perform services in accordance with the requirements listed herein, YES will forward a written notification specifying the violation or the area of non-compliance to the Vendor. The Vendor in non-compliance shall immediately remedy all violations as determined by YES. Any violations not so remedied shall be grounds for termination of the contract, in whole or in part.

OWNERSHIP

YES shall retain ownership rights to all materials or any other product produced in conjunction with the work described herein.

PROJECT DESCRIPTION

YES Prep Public Schools is a free, open-enrollment public school system that serves 15,000 students across nineteen (19) schools in the Houston area. YES Prep has been ranked as among the top 100 public high schools in the nation by Newsweek and U.S. News & World Report. Every year, 100 percent of YES Prep's graduating seniors have been accepted into four-year colleges, including Harvard, Yale, Columbia, Rice, and Stanford. YES Prep combines a highly successful 6th-12th grade model along with high standards for student achievement.

YES Prep is seeking a roofing contractor to install new roof systems at the following locations:

- **Fifth Ward Campus – 1305 Benson Street**
 - Demolition, disposal of existing roofing materials (insulation included), trim, downspouts/gutters.
 - Preparation for new roofing system replacement including insulation, trim, downspouts/gutters.
 - Color Selection—SW Bondplex Custom Match “Yes Prep Benson Maroon”
 - Work hours – To be coordinated with Owner
 - Must provide restroom for workers.

- **North Central Campus – 13703 Aldine Westfield Rd**
 - Demolition, disposal of downspouts/gutters. Insulation to remain in place and evaluated for repairs.
 - Preparation for new roofing replacement including trim, downspouts/gutters.
 - Color Selection-
 - Trim – SW Bondplex Blueblood
 - Downspouts/Gutters – SW Bondplex Urbane Bronze
 - Work hours – To be coordinated with owner.
 - Must provide restroom for workers.

REQUIRED SUBMITTALS (Attachment A)

Submittal 1

Experience in Project Management

Vendor shall provide a statement of its qualifications to provide the specific materials and services requested herein.

Submittal 2

Staffing Plan

Vendor shall submit a staffing plan that provides the qualifications of your employees.

Submittal 3

References

Vendor shall supply a list of three (3) references for which Vendor has experience in the scope of work that the proposal is submitted for.

Submittal 4

Customer Feedback

Vendor shall provide a description of its formal customer feedback system, provide sample tools used to gather data, and describe how results were shared with customers and used to improve service.

All submittals must be included in the RFP package returned on October 21, 2020 by 11:00 AM. It is recommended that each submittal be typed on a separate sheet of paper with the heading “Response to Submittal #___ for YES RFP” at the top and the name of the Vendor underneath.

QUESTIONNAIRE (Attachment B)

All Vendor must provide answers to the following questions, typed on 8 ½ x 11 inch paper, in the order below. Attachments to the questionnaire answers should reference the question number.

1. Provide the full name and address of your organization.
2. Provide contact person(s) for information concerning this offer: name, title, phone, fax, email address.
3. What form of business is your organization (e.g. proprietorship, partnership, corporation) and is your organization local only, statewide, or nationwide?
4. List all the names under which this Vendor has operated in the last ten (10) years in the State of Texas.
5. Provide a copy of your insurance coverage.
6. Multi-part question:
 - a. Do you currently have any investigations pending by or on behalf of a government entity or other licensing entity?
 - b. Have you had investigations by or on behalf of a government entity or other licensing entity in the past?
 1. If the answer to either question is yes, please provide copies of relevant paperwork.
7. Do you have any relevant experience or projects in the past with education institutions? If so, please provide a high-level overview of these projects.

WORKERS' COMPENSATION CERTIFICATE (Attachment C)

YES requires Vendor to provide workers' compensation as per state law requirements. The Vendor shall sign and submit the following certificate with the written proposal:

- Minimum Workers' Compensation and Employer's Liability Limits
 - Each Accident \$1,000,000
 - Disease – Each Employee \$1,000,000
 - Disease – Policy Limit \$1,000,000

Vendor Name

Signature of Authorized Agent

Date Signed

Note: Vendor may attach current certificate of coverage with a signed statement that if awarded the contract, they will obtain said aforementioned coverage if the current coverage does not meet the stated minimum requirements.

INSURANCE COVERAGE REQUIREMENTS (Attachment D)

General and Excess Liability Minimum Coverages

- General Liability: \$1,000,000
- Umbrella Liability: \$1,000,000

Vendor Name

Signature of Authorized Agent

Date Signed

YES will be named as Additional Insured on the Certificate of Insurance if the Vendor is awarded a contract.

FINANCIAL REQUIREMENTS (Attachment E)

Complete this form or provide audited financial statements and include with your proposal package.

FINANCIAL STATEMENT

Condition of Vendor at close of business Month, _____, 2018.

ASSETS

1.	Cash on hand	\$ _____	
	In Bank	\$ _____	
	Elsewhere	\$ _____	\$ _____
2.	Accounts receivable from completed contracts (exclusive of claims not approved for payment)		_____
3.	Accounts receivable from other sources than above		_____
4.	Amounts earned on uncompleted contracts (not included in Item 3) (Contract price on completed portion of uncompleted contracts less total cost of completed portion.)		_____
5.	Deposits for bids or other guarantees		_____
6.	Notes receivable	Past due \$ _____	
		Due 90 days \$ _____	
		Due Later \$ _____	
7.	Interest earned		_____
8.	Real Estate		
	Business Property, Present value	\$ _____	
	Other property	\$ _____	_____
9.	Stocks and Bonds	\$ _____	
	Listed on exchange	\$ _____	
	Unlisted	\$ _____	_____
10.	Equipment, machinery, fixtures	\$ _____	
	Less Depreciation	\$ _____	_____
11.	Other Assets		_____
	TOTAL ASSETS		\$ _____

FINANCIAL REQUIREMENTS (Attachment E, Cont.)

LIABILITIES AND NET WORTH

1.	Notes Payable To banks regular	\$ _____	
	(For certified check)	_____	
	Equip. Obligations	_____	
	Others	_____	\$ _____
2.	Accounts Payable Current	\$ _____	
	Past Due	_____	_____
3.	Real Estate Mortgages		_____
4.	Other Liabilities		_____
5.	Reserves		_____
6.	Capital Stock Paid up Common		_____
	Preferred	_____	_____
7.	Surplus		_____
TOTAL LIABILITIES AND NET WORTH			\$ _____

Proposed Exceptions, Alterations, Additions, or Modifications to RFP (Attachment F)

Vendor should submit as Attachment F, any and all proposed exceptions, alterations, additions, or modifications to the YES RFP for FY21_04 FW & NC Roofing Projects

SCORING RUBRIC (ATTACHMENT G)

YES will utilize the following RFP Evaluation Rubric for evaluation of all North Central and Fifth Ward Re-roofing Proposals:

1. Charges/Cost to YES PREP: 30 Points.

- a. Favorable = 30 Points. Unfavorable = 0 points.
- b. Evaluate the Overall Value of proposed materials and services to be provided.

2. Technical and Education Experience: 25 Points.

- a. Favorable = 17.5 Points. Unfavorable = 0 points.
- b. Proposal demonstrates the Vendor's ability to deliver quality services to schools.
- c. Includes references, Vendor staff, and/or Vendor's or certifications, qualifications, experience, expertise, and resumes.

3. Proposed Operational Delivery: 15 Points.

- a. Favorable = 17.5 Points. Unfavorable = 0 points.
- b. Proposal defines services and scope in enough detail that YES can confidently determine that the proposed services will be met.

4. Design and Technical Execution: 15 Points.

- a. Favorable = 17.5 Points. Unfavorable = 0 points.
- b. Proposal includes information about the Vendor's ability to provide an efficient and cost-effective solution. Please include resources available to achieve the project and any concepts or innovations in design that have proven effective in the past that would be applicable to this model.

5. Project Understanding and Methodology: 15 Points.

- a. Favorable = 17.5 Points. Unfavorable = 0 points.
- b. Proposal addresses the project in terms of the scope of work and substantive issues essential to proper service and care of YES facilities. Proposal includes a detailed description of services to be provided and any constraints as to procedure, time, personnel, or equipment that needs to be communicated to YES for use during contract negotiations.

**END OF YES RFP PACKAGE FOR
North Central and Fifth Ward Re-roofing**

Fifth Ward Campus-1305 Benson Street



North Central Campus – 13703 Aldine Westfield Rd



SECTION 02 41 19

SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including the General and Supplementary Conditions, if any, apply to this Section.

1.2 SUMMARY

- A. Section includes demolition and removal of existing membrane roofing and possibly the cover board and insulation, depending on their condition, and all perimeter edge flashing at YES Prep 5th Ward Campus.
- B. Related Sections: Work of all sections required to properly execute the work and as necessary to maintain satisfactory progress of the work.
 - 1. Related Sections include:
 - a. Division 02 Section "Selective Demolition".
 - b. Division 07 Section "Preparation for Reroofing" for removal of existing membrane roofing and sheet metal fabrications indicated or required.
 - c. Division 07 Section "Thermoplastic Polyolefin (TPO) Roofing".
 - d. Division 07 Section "Sheet Metal Flashing and Trim".

1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.

1.4 SUBMITTALS

- A. Submit under provisions of Division 01 Section "Submittal Procedures".
- B. Predemolition Photographs or Videotape: Show existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by selective demolition operations. Submit before Work begins.

1.5 QUALITY ASSURANCE

- A. This Section outlines minimum standards and requirements. Refer to the Drawings, and other sections of the Specifications for additional requirements. Bring all conflicts and discrepancies between documents to the attention of the Architect and appropriate Engineers and do not start work until such conflicts and discrepancies are clarified and corrected.
- B. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project.

- C. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- D. Standards: Comply with ANSI A10.6 and NFPA 241.

1.6 PROJECT CONDITIONS

- A. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities.
 - 1. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from authorities having jurisdiction.
- B. Owner assumes no responsibility for condition of areas to be selectively demolished.
 - 1. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
 - 1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- D. Storage or sale of removed items or materials on-site will not be permitted.
- E. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
 - 1. Maintain fire-protection facilities in service during selective demolition operations.

1.7 WARRANTY

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void any existing warranties.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Survey of Existing Conditions:
 - 1. Correlate with requirements indicated to determine extent of selective demolition required.
 - 2. Record existing conditions by use of measured drawings.
- B. Inventory and record the condition of items to be removed.
- C. When unanticipated mechanical, electrical, or structural elements conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
- D. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.

3.2 UTILITY SERVICES

- A. Existing Services: Maintain services indicated to remain and protect them against damage during selective demolition operations.
- B. Service Requirements: Locate, identify, disconnect, and seal or cap off indicated utility services serving areas to be selectively demolished.
 - 1. Arrange to shut off indicated utilities with utility companies.
 - 2. If services are required to be removed, relocated, or abandoned, before proceeding with selective demolition provide temporary services that bypass area of selective demolition to maintain continuity of services to other parts of building, if required.
 - 3. Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing.
 - 4. Do not start selective demolition work until utility disconnecting and sealing have been completed and verified in writing.
 - 5. Where entire wall is to be removed, existing services may be removed with removal of the wall.
- C. Do not interrupt existing utilities serving occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to Owner and to authorities having jurisdiction.
 - 1. Provide at least 72 hours' notice to Owner if shutdown of service is required during changeover.

3.3 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- E. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to building and facilities to remain.
 - 1. Provide protection to ensure safe passage of people around selective demolition area.

3.4 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
 - 2. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
 - 3. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
 - 4. Dispose of demolished items and materials promptly.
- B. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition.

3.5 PATCHING AND REPAIRS

- A. General: Promptly repair damage to adjacent construction caused by selective demolition operations.
- B. Repairs: Where repairs to existing surfaces are required, patch to produce surfaces suitable for new materials.
- C. Finishes: Restore exposed finishes of patched areas and extend restoration into adjoining construction in a manner that eliminates evidence of patching and refinishing.

3.6 DISPOSAL OF DEMOLISHED MATERIALS

- A. General:
 - 1. Do not allow demolished materials to accumulate on-site.

YES Prep Public Schools
Reroofing of Two Campuses
Houston, Texas

2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
 3. Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain, remove demolished materials and legally dispose of them off Project site.
- B. Burning or Burying Debris: Do not burn or bury demolished materials on site.
- C. Disposal: Transport demolished materials and dispose legally off Owner's property.

3.7 CLEANING

- A. Clean debris caused by selective demolition operations ready for installation of new Work.

END OF SECTION

SECTION 07 01 50

PREPARATION FOR REROOFING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes the following:
 - 1. YES Prep 5th Ward Campus: 1305 Benson Street, Houston, Texas 77020.
 - a. Tear off existing membrane and possibly the cover board and insulation, depending on their condition and replacing only that which is damaged.
 - b. Removing all perimeter edge flashing.
 - c. Providing protection of openings where roofing and flashings are removed, and providing temporary protection and roofing required to protect school from water infiltration prior to application of new Thermoplastic Polyolefin (TPO) Roofing and replacing of all perimeter edge flashing.
 - 2. North Central Campus: 13703 Aldine Westfield Rd. Houston, Texas 77039.
 - a. Mechanically fasten a cover board to existing metal roof panels.
 - b. Removing all perimeter edge flashing; Protection of openings where roofing and flashings are removed.
 - c. Providing temporary protection and roofing required to protect school from water infiltration prior to application of new Thermoplastic Polyolefin (TPO) Roofing and replacing of all perimeter edge flashing.
- B. Related Sections: Work of all sections required to properly execute the work and as necessary to maintain satisfactory progress of the work.
 - 1. Related Sections include:
 - a. Division 02 Section "Selective Demolition".
 - b. Division 07 Section "Thermoplastic Polyolefin (TPO) Roofing".
 - c. Division 07 Section "Sheet Metal Flashing and Trim".

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate removal of existing roofing with new roofing operations that may impact installation of new roofing work.
- B. Reroofing Conference: If requested by Architect or Owner, conduct conference at Project site.
 - 1. Meet with Owner; Architect; Owner's insurer if applicable; roofing system manufacturer's representative; roofing Installer, including project manager, superintendent, and foreman; and installers whose work interfaces with or affects reroofing.
 - 2. Review methods and procedures related to roofing system removal and replacement, including, but not limited to, the following:

- a. Reroofing preparation, including roofing system manufacturer's written instructions.
- b. Roof drainage during each stage of reroofing.
- c. Construction schedule and availability of materials, Installer's personnel, equipment, and facilities needed to avoid delays.
- d. Existing roof purlin conditions requiring notification of Architect.
- e. Structural loading limitations of roof structure during reroofing.
- f. Flashings, special roofing details, drainage, penetrations, and condition of other construction that affect reroofing.
- g. Governing regulations and requirements for insurance and certificates if applicable.
- h. Existing conditions that may require notification of Architect before proceeding.

1.3 QUALITY ASSURANCE

- A. This Section outlines only minimum standards and requirements. Refer to the Drawings and other sections of the specifications for additional requirements. Bring all conflicts and discrepancies to the attention of the Architect and do not start work until such conflicts and discrepancies are clarified and corrected.
- B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning roofing removal. Comply with hauling and disposal regulations of authorities having jurisdiction.

1.4 FIELD CONDITIONS

- A. Protect building(s) to be reroofed, adjacent buildings, walkways, site improvements, exterior plantings, and landscaping from damage or soiling from reroofing operations.
- B. Maintain access to existing walkways and other adjacent occupied or used facilities.
- C. Conditions existing at time of inspection for bidding are maintained by Owner as far as practical.
- D. Limit construction loads on existing roof deck and building structure and distribute loads for stored or demolished materials on roof to prevent overloading. Confer with Architect for roof loading requirements.
- E. Weather Limitations: Proceed with reroofing preparation only when existing and forecasted weather conditions permit Work to proceed without water entering existing roofing system or building.
 1. Remove only as much roofing in one day as can be made watertight in the same day.
- F. Hazardous Materials: It is not expected that hazardous materials, such as asbestos-containing materials (ACM), will be encountered in the Work.

1. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.

PART 2 - PRODUCTS

2.1 TEMPORARY PROTECTION AND ROOFING MATERIALS

- A. Design and selection of temporary protection and roofing are Contractor's responsibilities.

2.2 REROOFING MATERIALS

- A. Refer to Division 07 Sections "Thermoplastic Polyolefin (TPO) Roofing" and Division 07 Section "Sheet Metal Flashing and Trim" as applicable.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Shut off rooftop utilities and service piping, if any, before beginning Work.
- B. During removal operations, have sufficient and suitable materials on-site to facilitate rapid installation of temporary protection in the event of unexpected rain.

3.2 ROOFING REMOVAL

- A. Remove existing metal roofing and other roofing system components as indicated or required.

3.3 ROOFING SUBSTRATE

- A. If substrate surface, such as purlins, etc., is unsuitable for receiving new roofing or if structural integrity substrate or structure is suspect, immediately notify Architect and do not proceed with installation until directed by Architect.

3.4 TEMPORARY ROOFING

- A. Install approved temporary roofing over area to be reroofed.
- B. Remove temporary roofing before installing new roofing.

3.5 BASE FLASHING REMOVAL

- A. Remove existing base flashings. Clean substrates of contaminants, such as sheet materials, dirt, and debris.
- B. Do not damage metal counterflashings that are to remain. Replace metal counterflashings damaged during removal with counterflashings specified in Division 07 Section "Sheet Metal Flashing and Trim", as applicable.

- C. Inspect wood blocking, curbs, and nailers for deterioration and damage. If wood blocking, curbs, or nailers have deteriorated, immediately notify Architect.

3.6 DISPOSAL

- A. Do not allow removed materials to accumulate on-site.
 - 1. Storage or sale of removed items or materials on-site is not permitted.
- B. Transport and promptly legally dispose of removed materials from from site.

END OF SECTION

SECTION 07 54 00

THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including the General and Supplementary Conditions, if any, apply to this Section.

1.2 SUMMARY

- A. Section includes furnishing and installing a thermoplastic polyolefin (TPO) roofing roofing system, including the following, as applicable:
 - 1. Roofing manufacturer's requirements for the specified warranty.
 - 2. Wood nailers for roofing attachment.
 - 3. Insulation required to replace insulation damaged during existing roof tear off.
 - 4. Cover board, including that required to replace cover board damaged during existing roof tear off and required over existing metal roofing.
 - 5. Metal roof edging and copings.
 - 6. Flashings, including new perimeter edge flashings.
 - 7. Walkway pads.
 - 8. Other roofing-related items specified or indicated on the drawings or otherwise necessary to provide a complete weatherproof roofing system.
- B. Legal disposal of construction waste from site.
- C. Work of all sections, including Division 01 Sections, if any, as required to properly execute the work and as necessary to maintain satisfactory progress of the work.
 - 1. Related Sections include:
 - a. Division 02 Section "Selective Demolition".
 - b. Division 07 Section "Preparation for Reroofing".
 - c. Division 07 Section "Sheet Metal Flashing and Trim".

1.3 REFERENCES

- A. American Society of Civil Engineers (ASCE)
 - 1. 7, Minimum Design Loads for Buildings and Other Structures.
- B. ASTM International (ASTM)
 - 1. Annual Book of ASTM Standards: (As indicated or required)
 - a. C 728, Standard Specification for Perlite Thermal Insulation Board.
 - b. C 1289, Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.

- c. D 41, Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing.
 - d. D 312, Standard Specification for Asphalt Used in Roofing.
 - e. D 471, Standard Test Method for Rubber Property-Effect of Liquids.
 - f. D 573, Standard Test Method For Rubber - Deterioration In An Air.
 - g. D 1079, Standard Terminology Relating to Roofing, Waterproofing, and Bituminous Materials.
 - h. D 751, Standard Test Methods for Coated Fabrics.
 - i. D 1149, Standard Test Methods for Rubber Deterioration-Cracking in an Ozone Controlled Environment.
 - j. D 1204, Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature.
 - k. D 2137, Standard Test Methods for Rubber Property-Brittleness Point of Flexible Polymers and Coated Fabrics.
 - l. E 96, Standard Test Methods for Water Vapor Transmission of Materials.
 - m. G 155, Standard Practice For Operating Xenon Arc Light Apparatus For Exposure Of Non-Metallic Materials.
- C. Factory Mutual (FM Global)
- 1. Approval Guide:
 - a. Standard 4470 - Approval Standard for Class 1 Roof Covers.
- D. National Roofing Contractors Association (NRCA)
- 1. Roofing and Waterproofing Manual.
- E. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA)
- 1. Architectural Sheet Metal Manual
- F. Underwriters Laboratories (UL)
- 1. Roofing Systems and Materials Guide (TGFU R1306)
- 1.4 DEFINITIONS
- A. Roofing Terminology: Refer to ASTM D 1079 and the glossary of the National Roofing Contractors Association (NRCA) Roofing and Waterproofing Manual for definitions of roofing terms related to this Section.
- 1.5 ADMINISTRATIVE REQUIREMENTS
- A. Coordination: Coordinate new roofing installation with existing roof removal operations that may impact installation of new roofing work.

B. Preinstallation Conference:

1. Prior to scheduled commencement of the roofing installation and associated work, conduct a meeting at the Project site with the installer, Architect, Owner, GAF representative and any other persons directly involved with the performance of the work. The installer shall record conference discussions to include decisions, agreements, and open issues and furnish copies of recorded discussions to each attending party. The primary purpose of the meeting is to review foreseeable methods and procedures related to roofing work.

1.6 PERFORMANCE REQUIREMENTS

- A. Provide an installed roofing membrane and base flashing system that does not permit the passage of water and will withstand the design pressures calculated in accordance with the most current revision of ASCE 7.
- B. Roof material manufacturer shall provide all primary roofing materials that are physically and chemically compatible when installed in accordance with manufacturers current application requirements.

1.7 SUBMITTALS

- A. Submit under provisions of Division 01 Section "Submittal Procedures".
- B. Installer Qualifications: Letter from manufacturer attesting that the roofing installer meets the specified qualifications.
- C. Sample Warranty.

1.8 CONTRACTOR'S RESPONSIBILITIES

- A. As scope and performance documents, the Drawings and Specifications do not necessarily indicate or describe all the work required for the performance and completion of the Work. Contracts will be let on the basis of such documents with the understanding that the Contractor shall furnish and install the items required for proper completion of the Work without adjustment to price or schedule. Work shall be of sound, quality construction and the Contractor shall be solely responsible for the inclusions of adequate labor and materials to cover the proper and timely roof installation indicated, described, or implied.
- B. As a performance specification, the criteria for the solution of the roof installation indicated on the Drawings or specified herein are for the sole purpose of defining the design intent and performance requirements for this Project. To avoid any misunderstanding or lack of interpretation, the Contractor is hereby advised that the responsibility for the roof installation is totally his and that designs and resolutions proposed in the Contractor's shop drawings, calculations, and related documentation shall be demonstrated throughout the Work and warranty period specified or required.

- C. Design proposal submissions which follow exactly the details indicated on the Drawings, will not relieve the Contractor of his responsibility for the performance of the work of this Section. In the event of a controversy over the design, the decision of the Architect will take precedence.

1.9 QUALITY ASSURANCE

- A. This Section outlines only minimum standards and requirements. Refer to the Drawings, and other sections of the specifications for additional requirements. Bring all conflicts and discrepancies to the attention of the Architect and do not start work until such conflicts and discrepancies are clarified and corrected.
- B. Manufacturer Qualifications: GAF shall provide a roofing system that meets or exceeds all criteria listed in this Section.
- C. Installer Minimum Qualifications:
 - 1. Installer shall be classified as a Master Select Contractor as defined and certified by GAF.
- D. Source Limitations: Components listed shall be provided by a single manufacturer or approved by the primary roofing manufacturer.
- E. Final Inspection: Manufacturer's representative shall provide a comprehensive final inspection after completion of the roof system. All application errors shall be addressed and final punch list completed.

1.10 REGULATORY REQUIREMENTS

- A. Work shall be performed in a safe, professional manner, conforming to federal, state and local codes.
- B. Exterior Fire Test Exposure: Provide a roofing system achieving a UL Class rating for roof slopes indicated.
 - 1. UL Class A rating.
- C. Windstorm Classification: Provide a roofing system which will achieve the required uplift resistance as calculated in accordance with ASCE 7 or as listed in the current FM Approval Guide. Corners and perimeter areas shall be calculated in accordance with ASCE 7.
 - 1. 120 psf of uplift resistance.

1.11 DELIVERY, STORAGE AND HANDLING

- A. Deliver roofing materials to the site in original containers, with factory seals intact. Products shall carry either a GAF or BMCA label.

- B. Store pail goods in their original undamaged containers in a clean, dry location within their specified temperature range.
- C. Do not expose materials to moisture in any form before, during, or after delivery to the site. Reject delivery of materials that show evidence of contact with moisture.
- D. Remove manufacturer supplied plastic covers from materials provided with such. Use "breathable" type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Cover and protect materials at the end of each work day. Do not remove any protective tarpaulins until immediately before the material will be installed.
- E. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.12 PROJECT CONDITIONS

- A. Weather:
 - 1. Proceed with roofing only when existing and forecasted weather conditions permit.
 - 2. Ambient temperatures shall be above 45 degrees F when applying hot asphalt or water based adhesives.

1.13 WARRANTY

- A. Provide manufacturers standard WeatherStopper® Diamond Pledge™ Guarantee.
 - 1. Duration: 20 years from the date of completion.

PART 2 - PRODUCTS

2.1 ACCEPTABLE PRODUCT / MANUFACTURER

- A. Specifications are based on GAF, Commercial Roofing Products, or Architect approved equal. Other manufacturers must have a minimum of five (5) years experience manufacturing products meeting or exceeding the specifications and comply with Division 01 Section "Product Requirements" regarding substitutions to be considered.
- B. Manufacturer of Insulation and Cover Boards: Same manufacturer as roof membrane or recommended by roof membrane manufacturer for use in roofing system.

2.2 ROOF INSULATION

- A. Rigid polyisocyanurate board, with a strong white or black fibrous glass facer conforming to or exceeding the requirements of ASTM C 1289 / FS HH-I-1972, with the following characteristics:
 - 1. Board Thickness: Match existing.
 - 2. Thermal Resistance (LTTR value): Match existing.

3. Product: EnergyGuard™ Polyiso by GAF®.

B. Rigid polyisocyanurate board, with a strong white or black fibrous glass facer conforming to or exceeding the requirements of ASTM C 1289 / FS HH-I-1972, with the following characteristics:

1. Board Thickness: Tapered
2. Thermal Resistance (LTTR value) of: Varies
3. Product: EnergyGuard™ Tapered Polyiso by GAF®.

2.3 ROOF BOARD

A. Underlayment or overlayment board with a water-resistant and silicone treated gypsum core with glass fiber facers embedded on both sides, and pre-primed on one side.

1. Board Thickness: 1/4 inch.
2. Product: GP Dens-Deck® Prime Roof Board, distributed by GAF®.

2.4 INSULATION ACCESSORIES

A. Tapered Edge Strip: Factory fabricated rigid perlite strip cut at angles to provide a smooth transition between differences in elevation.

1. Product: EnergyGuard™ Tapered Edge Strip by GAF®.

2.5 MEMBRANE MATERIALS

A. A smooth type, polyester scrim reinforced thermoplastic polyolefin membrane with a nominal 0.045 inch (45 mil) thickness, for use as a single ply roofing membrane. Meets or exceeds the minimum requirements of ASTM D-6878. UL Listed, FM Approved, Dade County Product Approval, Florida Building Code Approved. White membrane is Energy Star Listed, CRRC Listed and Title 24 Compliant. Each full roll contains approximately 1000 sq.ft. of roofing material, 10 feet X 100 feet, weighing 256 lbs.

1. Color: White.
2. Product: EverGuard® TPO 45 mil thermoplastic single-ply roofing membrane by GAF®.

2.6 FLASHING MATERIALS

A. A smooth type, polyester scrim reinforced thermoplastic polyolefin membrane with a nominal 0.045 inch (45 mil) thickness, for use as a single ply roofing membrane. Meets or exceeds the minimum requirements of ASTM D-6878. UL Listed, FM Approved, Dade County Product Approval, Florida Building Code Approved. White membrane is Energy Star Listed, CRRC Listed and Title 24 Compliant. Each full roll contains approximately 1000 sq.ft. of roofing material, 10 feet X 100 feet, weighing 256 lbs.

1. Color: White.
2. Product: EverGuard® TPO 45 mil thermoplastic single-ply roofing membrane by

GAF®.

2.7 ADHESIVES, SEALANTS AND PRIMERS

- A. As recommended by roofing membrane manufacturer from the following to suit application.
1. Solvent-based Bonding Adhesive: Solvent based adhesive for use with EverGuard TPO membranes.
 - a. Product: EverGuard® 1121 Bonding Adhesive, by GAF®.
 2. Low VOC solvent-based Bonding Adhesive: Solvent based rubberized adhesive for use with EverGuard TPO membranes.
 - a. Product: EverGuard® Low VOC Bonding Adhesive, by GAF®.
 3. Water-based Bonding Adhesive: Solvent based adhesive for use with EverGuard TPO membranes.
 - a. Product: EverGuard® WB181 Bonding Adhesive, by GAF®.
 4. Solvent based liquid, required to protect field cut edges of EverGuard TPO membranes. Applied Directly from a squeeze bottle.
 - a. Product: EverGuard® TPO Cut Edge Sealant, by GAF®.
 5. Solvent based primer for preparing surfaces to receive butyl based adhesive tapes.
 - a. Product: EverGuard® TPO Primer, by GAF®.
 6. Low VOC solvent based primer for preparing surfaces to receive butyl based adhesive tapes.
 - a. Product: EverGuard® TPO Low VOC Primer, by GAF®.
 7. Solvent based seam cleaner used to clean exposed or contaminated seam prior to heat welding.
 - a. Product: EverGuard® TPO Seam Cleaner, by GAF®.
 8. Low VOC solvent based seam cleaner used to clean exposed or contaminated seam prior to heat welding.
 - a. Product: EverGuard® CleanWeld™Conditioner, by GAF®.
 9. Solvent based, trowel grade synthetic elastomeric sealant. Durable and UV resistant suitable for use where caulk is typically used. Available in 10 oz. tubes.
 - a. Product: TOPCOAT® FlexSeal™ Roof Sealant, by GAF®.
 10. 100 percent solids epoxy based two-part sealant suitable for filling sealant pans at irregularly-shaped penetrations. Epoxy is part A. Polyamide is part B.
 - a. Product: EverGuard® 2-Part Pourable Sealant, by GAF®.

11. Insulation Adhesives:

a. Products:

- 1) LRF Adhesive M by GAF®
- 2) Oly-Bond 500™ distributed by GAF®.
- 3) Oly-Bond 500™ Spot Shot distributed by GAF®.
- 4) Oly-Bond 500™ Green distributed by GAF®.
- 5) Oly-Bond 500™ Spot Shot Green distributed by GAF®.

2.8 BITUMEN (If indicated or required)

- A. Asphalt bitumen: ASTM D 312 Type III & IV.

2.9 ACCESSORIES

- A. Plates and Fasteners: (As recommended by roofing membrane manufacturer from the following to suit application.)

1. DrillTec Standard Screws: Standard duty alloy steel insulation fastener with CR-10 coating with a 0.215 inch diameter thread. Factory Mutual Standard 4470 Approved, #3 Phillips head for use on steel and wood decks.
2. DrillTec ASAP 3P Fastener: Assembled screw and 3 inch locking plastic plate. Alloy steel fastener with CR-10 coating with a 0.215 inch diameter thread. Factory Mutual Standard 4470 Approved, #3 Phillips truss head.
3. DrillTec ASAP 3S Fastener: Assembled screw and 3 inch steel plate. Alloy steel fastener with CR-10 coating with a 0.215 inch diameter thread. Factory Mutual Standard 4470 Approved, #3 Phillips truss head.
4. DrillTec HD Screws: Heavy gauge alloy steel fastener with CR-10 coating with a 0.245 inch diameter thread. Factory Mutual Standard 4470 Approved, #3 Phillips truss head for use on wood, concrete and steel decks.
5. DrillTec Lite-Deck Fastener: A large diameter reinforced nylon screw with a #3 square drive flat head. Thread diameter of 0.375 inch and shank diameter of 0.312 inch. Uses a 3 inch Metal Round Plate fastening system.
6. DrillTec CR Base Sheet Fastener: G-90 galvanized, CR-10 Corrosion resistant coating with 1.125 inch x1 inch head and 1-3/4 inch leg length. Preassembled with 2-3/4 inch diameter Galvalume steel roof disc.
7. DrillTec Insulation Plates: Galvalume, 3 inch diameter, suitable for use with DrillTec Standard and HD screws, and DrillTec Spikes. Special design available for use with DrillTec Polymer Screws.
8. DrillTec XHD Plates: Galvalume, 2-3/8 inch diameter, with a barbed underside. Suitable for use with DrillTec Standard, HD, and XHD Screws, and DrillTec Spikes.
9. DrillTec SXHD Plates: Galvalume, 2 3/4 inch diameter, with a double barbed underside. Required for use with DrillTec SXHD Screws, HD Screws and DrillTec Spikes for specific FM assemblies.
10. DrillTec SHD Plates: Galvalume, 2 inch diameter, with a double barbed underside. Suitable for use with DrillTec Standard, HD, XHD, and SXHD Screws, and DrillTec Spikes.

11. DrillTec Lite-Deck Plate: Galvalume plate with extra wide diameter designed specifically for Lite-Deck Fastener.
 12. Threaded Cap Nail: Annular-threaded electro-galvanized with yellow dichromate coating, with 1 inch round or square cap, as manufactured by The Simplex Corporation.
- B. Flashing Accessories: (As recommended by roofing membrane manufacturer from the following to suit application.)
1. A smooth type, unreinforced thermoplastic polyolefin based membrane for use as an alternative flashing/reinforcing material for penetrations and corners. Required whenever preformed vent boots cannot be used, available in White, 0.055 inches (55 mils) nominal thickness and sheet size: 24 inches x 50 feet.
 - a. Product: EverGuard® TPO Detailing Membrane, by GAF®.
 2. An 8 inch wide smooth type, polyester scrim reinforced thermoplastic polyolefin membrane strip for use as a cover strip over coated metal and stripping-in coated metal flanges and general repairs: 0.045 inches (45 mils) nominal thickness with 100 foot length, available in White.
 - a. Product: EverGuard® TPO Flashing Membrane, by GAF®.
 3. A 6 inch wide, 0.045 mil reinforced TPO membrane with a 3-inch self-adhered area and a 3-inch heat-weld area. Designed for use as a cover strip over coated and non-coated metal edges and flanges. Each full roll contains approximately 100 lineal feet of material.
 - a. Product: EverGuard® TPO Cover Tape Heat-Weld, by GAF®.
 4. A 6 inch wide, smooth type, polyester scrim reinforced thermoplastic polyolefin membrane strip with a factory laminated butyl tape. Designed for use as a cover strip over non-coated metal edges and flanges. Each full roll contains approximately 100 lineal feet. of material.
 - a. Product: EverGuard® TPO Cover Tape, by GAF®.
 5. Two-part assembly with a rigid extruded termination base plate, and a decorative snap-on fascia cover for single-ply roofs. The system shall have all concealed fasteners with no penetration on horizontal roof surface available in 10 foot lengths.
 - a. Product: EverGuard® EZ Fascia EX by GAF®.
 6. A two-part assembly with a rigid terminator base plate, and a decorative snap-on fascia cover for single-ply roofs with raised perimeter edges. The system shall have all concealed fasteners with no penetration on horizontal roof surface available in 10 foot lengths'
 - a. Product: EverGuard® EZ Fascia by GAF®.
 7. Decorative metal fascia with continuous galvanized steel spring cant to terminate single-ply roofing at perimeter. The system shall be watertight with concealed splice plates and no exposed fasteners available in 10 foot lengths.
 - a. Product: EverGuard® Snap-on Fascia by GAF®.

- B. Wall and Curb Accessories: (As recommended by roofing membrane manufacturer from the following to suit application.)
 - 1. 0.045 inch thick reinforced TPO membrane fabricated corners. Available in four standard sizes to flash curbs that are 24 inch, 36 inch, 48 inch, and 60 inch in size. Four corners are required to flash the curb.
 - a. Product: EverGuard® Corner Curb Wraps, by GAF®.
 - 2. 8 inch diameter, nominal 0.050 inch vacuum formed unreinforced TPO membrane for use in flashing outside corners of base and curb flashings.
 - a. Product: EverGuard® TPO Fluted Corner, by GAF®.
- C. Penetration Accessories: (As recommended by roofing membrane manufacturer from the following to suit application.)
 - 1. 0.045 inch thick molded TPO membrane preformed boots are split to accommodate most common pipes and conduits and available in three standard sizes.
 - a. Product: EverGuard® TPO Split Pipe Boots by GAF®.
 - 2. 0.045 inch thick molded TPO membrane preformed square boots are split to accommodate most common square penetrations and conduits and available in three standard sizes.
 - a. Product: EverGuard® TPO Square Tube Wraps by GAF®.
- D. Field Of Roof Accessories: (As indicated or required)
 - 1. Pre-manufactured expansion joint covers used to bridge expansion joint openings in a roof structure. Fabricated to accommodate all roof to wall and roof to roof applications, made of 0.060 inch reinforced TPO membrane, available in 5 standard sizes for expansion joint openings up to 8 inch wide.
 - a. Product: EverGuard® TPO Expansion Joint Covers, by GAF®.
 - 2. 1/8 inch thick extruded and embossed TPO roll 30 inch x 50 feet, heat welds directly to roofing membrane. Unique herringbone traction surface. Gray in color.
 - a. Product: EverGuard® TPO Walkway Rolls, GAF®.
- E. Other Accessories: Provide other accessories, not specifically described, but required for a complete and proper installation.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that the surfaces and site conditions are ready to receive work.
- B. Verify that the deck is supported and secured.

- C. Verify that the deck is clean and smooth, free of depressions, waves, or projections, and properly sloped to drains, valleys, eaves, scuppers or gutters, as applicable.
- D. Verify that the deck surfaces are dry and free of ice or snow.
- E. Verify that all roof openings or penetrations through the roof are solidly set, and that all flashings are tapered.

3.2 SUBSTRATE PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.

3.3 INSTALLATION. GENERAL

- A. Install GAF®'s EverGuard® TPO roofing system according to all current application requirements in addition to those listed in this Section.
- B. Start the application of membrane plies at the low point of the roof or at the drains, so that the flow of water is over or parallel to, but never against the laps.

3.4 INSULATION - GENERAL

- A. Do not apply roof insulation or roofing until all other work trades have completed jobs that require them to traverse the deck on foot or with equipment. A vapor retarder coated lightly with asphalt may be applied to protect the inside of the structure prior to the insulation and final roofing installation. Before the application of the insulation, any damage or deterioration to the vapor retarder shall be repaired.
- B. Do not install wet, damaged or warped insulation boards.
- C. Install insulation boards with staggered board joints in one direction (unless taping joint).
- D. Install insulation boards snug. Gaps between board joints shall not exceed 1/4 inch. All gaps in excess of 1/4 inch shall be filled with like insulation material.
- E. Wood nailers shall be 3-1/2 inches minimum width or 1 inch wider than metal flange. They shall be of equal thickness as the insulation with a minimum 1 inch thickness. All nailers shall be securely fastened to the deck.
- F. Do not kick insulation boards into place.
- G. Miter and fill the edges of the insulation boards at ridges, valleys and other changes in plane to prevent open joints or irregular surfaces. Avoid breaking or crushing of the

insulation at the corners.

- H. Roof tape, if required over insulation joints, shall be laid evenly, smoothly and embedded in a uniform coating of hot steep asphalt with 4 inch end laps. Care shall be taken to assure smooth application of tape, and full embedment of the tape in the asphalt.
- I. Do not install any more insulation than will be completely waterproofed each day.

3.5 INSULATION - BASE LAYER APPLICATION

- A. As recommended by roofing membrane manufacturer from the following to suit application.
 - 1. Mechanically Fastened:
 - a. The insulation must be securely attached to the roof deck. A minimum FMRC 1-60 attachment is recommended. Refer to FMRC Approval Guide for FM fastening patterns. Factory Mutual requires fastener density increased in corner areas for FM 1-60 as well as perimeter and corner area fastener density increases for FM 1-90 or greater. Refer to FM Loss Prevention Data Sheets 1-7, 1-28, and 1-49.
 - b. Use only fasteners with a minimum 3 inch stress plate when mechanically attaching insulation. Do not attach insulation with nails.
 - 2. Install insulation layers, maximum 4 feet by 4 feet board size, in a full and uniform mopping of hot asphalt applied at the rate of 25 lb/square $\pm 20\%$ percent. Press each board firmly into place. Stagger the joints of additional layers in relation to the insulation joints in the layer(s) below by a minimum of 6 inches (152 mm) to eliminate continuous vertical gaps.
 - 3. The substrate shall be free of debris, dust, dirt, oil, grease, and standing water before applying the adhesive. Install insulation layers applied with beads of Oly Bond 500 spaced 12 inches o.c. Coverage rate is approximately one (1) gallon per 100 square feet, depending on the substrate. Allow the foam to rise 1/2 inch to 3/4 inch. Press each board firmly into place. Stagger the joints of additional layers in relation to the insulation joints in the layer(s) below by a minimum of 6 inches to eliminate continuous vertical gaps.
 - 4. Loose lay the base layer of insulation for subsequent layers to be simultaneously attached. Minimal fastening shall be performed to avoid movement of the boards.

3.6 INSULATION - SUBSEQUENT LAYERS APPLICATION

- A. As recommended by roofing membrane manufacturer from the following to suit application.
 - 1. Simultaneous Attachment:
 - a. The insulation shall be securely attached to the roof deck. A minimum FMRC 1-60 attachment is recommended. Refer to FMRC Approval Guide for FM fastening patterns. Factory Mutual requires fastener density increased in corner areas for FM 1-60 and perimeter, and corner area fastener density increases for FM 1-90 or greater. Refer to FM Loss

Prevention Data Sheets 1-7, 1-28, and 1-49.

- b. Multiple layers of insulation of the same, non-tapered insulation material may be simultaneously mechanically fastened with approved fasteners and plates through the top layer of insulation to the structural deck. Individual layers of insulation shall not exceed 3 inches in thickness, nor total thickness of all layers exceed 5 inches without written approval of GAF Contractor Services.
- c. Use only fasteners with a minimum 3 inch stress plate when mechanically attaching insulation. Do not attach insulation with nails.
- d. Install insulation layers, maximum 4 feet by 4 feet board size, in a full and uniform mopping of hot asphalt applied at the rate of 25 lb/square $\pm 20\%$ percent. Press each board firmly into place. Stagger the joints of additional layers in relation to the insulation joints in the layer(s) below by a minimum of 6 inches to eliminate continuous vertical gaps.
- e. Do not install any more insulation than will be completely waterproofed each day.

3.7 COVER BOARD INSULATION

- A. At YES Prep 5th Ward Campus Roof: Install new cover board to replace that which is damaged during existing membrane roof tear off in accordance with manufacturer's instructions prior to installation of new membrane roofing.
- B. At YES PREP North Forest Gym Roof: Mechanically fasten cover board over existing metal roof in accordance with manufacturer's instructions prior to installation of new membrane roofing.

3.8 PROTECTION LAYER (As indicated or required)

- A. Polymat protection layer shall be installed between the roofing membrane and the substrate.
- B. Fire sheet 50 or 10 fiberglass sheet protection layer shall typically be installed when required by design professionals or code authority to address code or approval requirements or as a separator layer.
- C. Install fiberglass sheet or polymat protection layer loose-applied over substrate surface so that wrinkles and buckles are not formed.
- D. Overlap sheets a minimum of 6 inches for side and end laps.

3.9 MEMBRANE APPLICATION

- A. Fully Adhered (Adhesive):
 - 1. Place membrane so that wrinkles and buckles are not formed. Any wrinkles or buckles must be removed from the sheet prior to permanent attachment. Roof membrane shall be fully adhered immediately after it is rolled out, followed by welding to adjacent sheets.

2. Overlap roof membrane a minimum of 3 inches for side laps and 3 inches for end laps.
3. Install membrane so that the side laps run across the roof slope lapped towards drainage points.
4. All exposed sheet corners shall be rounded a minimum of 1 inch.
5. Use full width rolls in the field and perimeter region of roof.
6. Use appropriate bonding adhesive for substrate surface, applied with a solvent-resistant roller, brush or squeegee.
7. Apply bonding adhesive at 3 squares of finished, mated surface area per 5 gallons (Solvent Based) and 5 squares of finished, mated surface area per 5 gallons (Water Based). A greater quantity of bonding adhesive may be required based upon the substrate surface condition.

3.10 FLASHINGS

- A. All penetrations shall be at least 2 feet from the curbs, walls, and edges to provide adequate space for proper flashing.
- B. Flash all perimeter, curb, and penetration conditions with coated metal, membrane flashing, and flashing accessories as appropriate to the site condition.
- C. All coated metal and membrane flashing corners shall be reinforced with preformed corners or non-reinforced membrane.
- D. Hot-air weld all flashing membranes, accessories, and coated metal. A minimum 2 inch wide hand weld or minimum 1-1/2 inch automatic machine weld is required.
- E. Non-coated metal edge details shall be installed in accordance with current EverGuard construction details and requirements.
- F. Twenty (20) year EverGuard systems require the use of coated metal edges where applicable. Bonding adhesive and/or cover tape is not acceptable.

3.11 TRAFFIC PROTECTION (As indicated or required)

- A. Install walkway pads/rolls at all roof access locations and other designated locations including roof-mounted equipment work locations and areas of repeated rooftop traffic.
- B. Walkway pads shall be spaced 2 inches apart to allow for drainage between the pads.
- C. Fully adhere walkway pads/rolls to the roof membrane with solvent-based bonding adhesive, applied at the rate of 1 gal per 100 sf to both the walkway and roof membrane surfaces. Press walkway in position once adhesive is tacky to the touch.
- D. Alternatively, walkway pads/rolls may be hot-air-welded to the roof membrane surface continuously around the perimeter of the pad/roll.

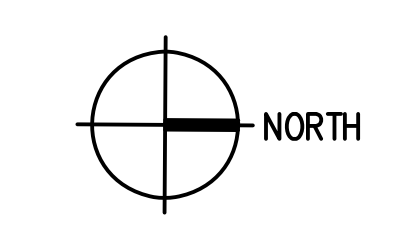
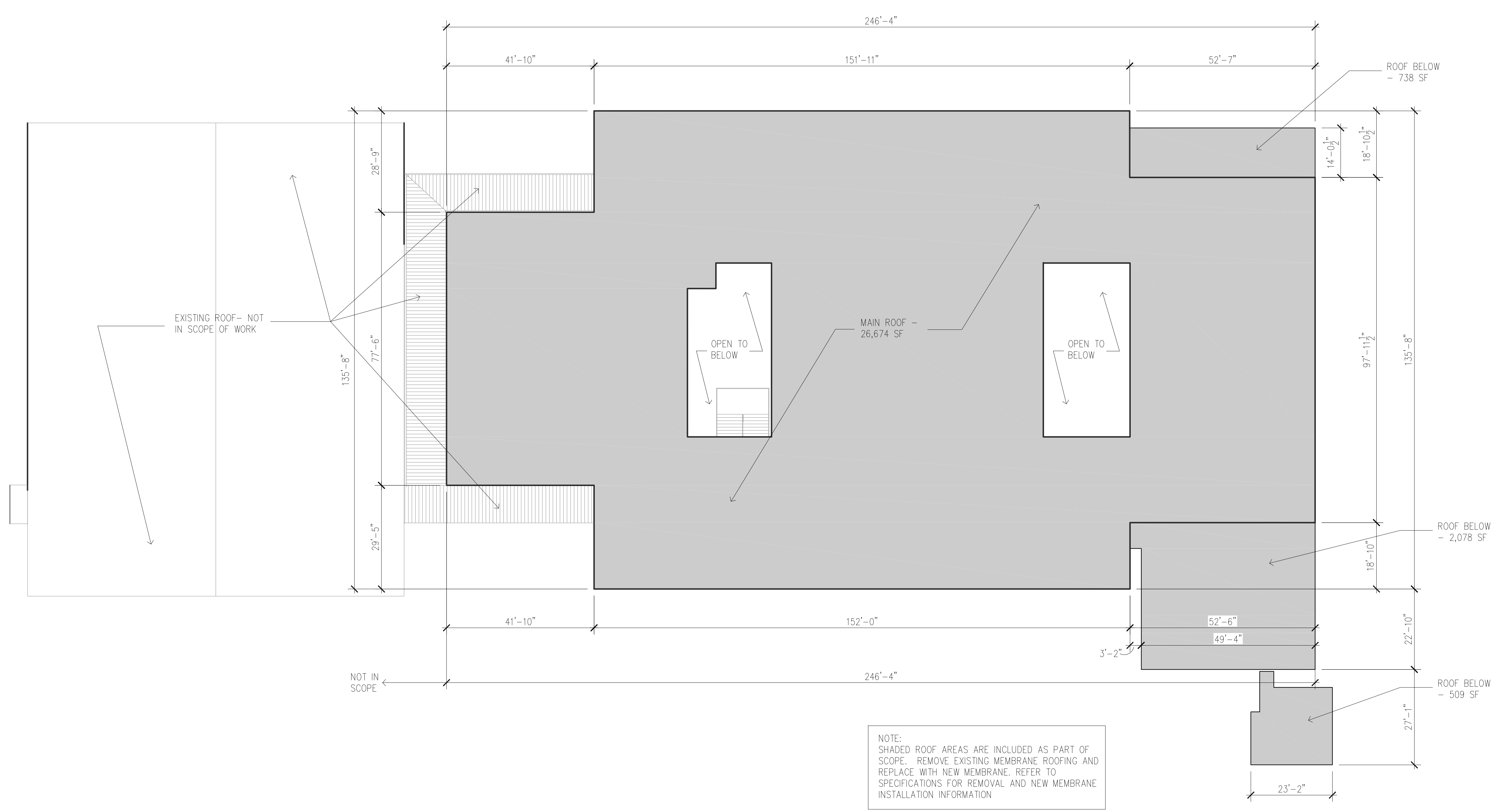
3.12 ROOF PROTECTION

- A. Protect all partially and fully completed roofing work from other trades until completion.
- B. Whenever possible, stage materials in such a manner that foot traffic is minimized over completed roof areas.
- C. When it is not possible to stage materials away from locations where partial or complete installation has taken place, temporary walkways and platforms shall be installed in order to protect all completed roof areas from traffic and point loading during the application process.
- D. Temporary tie-ins shall be installed at the end of each workday and removed prior to commencement of work the following day.

3.13 CLEAN-UP

- A. All work areas are to be kept clean, clear and free of debris at all times.
- B. Do not allow trash, waste, or debris to collect on the roof. These items shall be removed from the roof on a daily basis.
- C. All tools and unused materials shall be collected at the end of each workday and stored properly off of the finished roof surface and protected from exposure to the elements.
- D. Dispose of or recycle all trash and excess material in a manner conforming to current EPA regulations and local laws.
- E. Properly clean the finished roof surface after completion, and make sure the drains and gutters are not clogged.
- F. Clean and restore all damaged surfaces to their original condition.

END OF SECTION



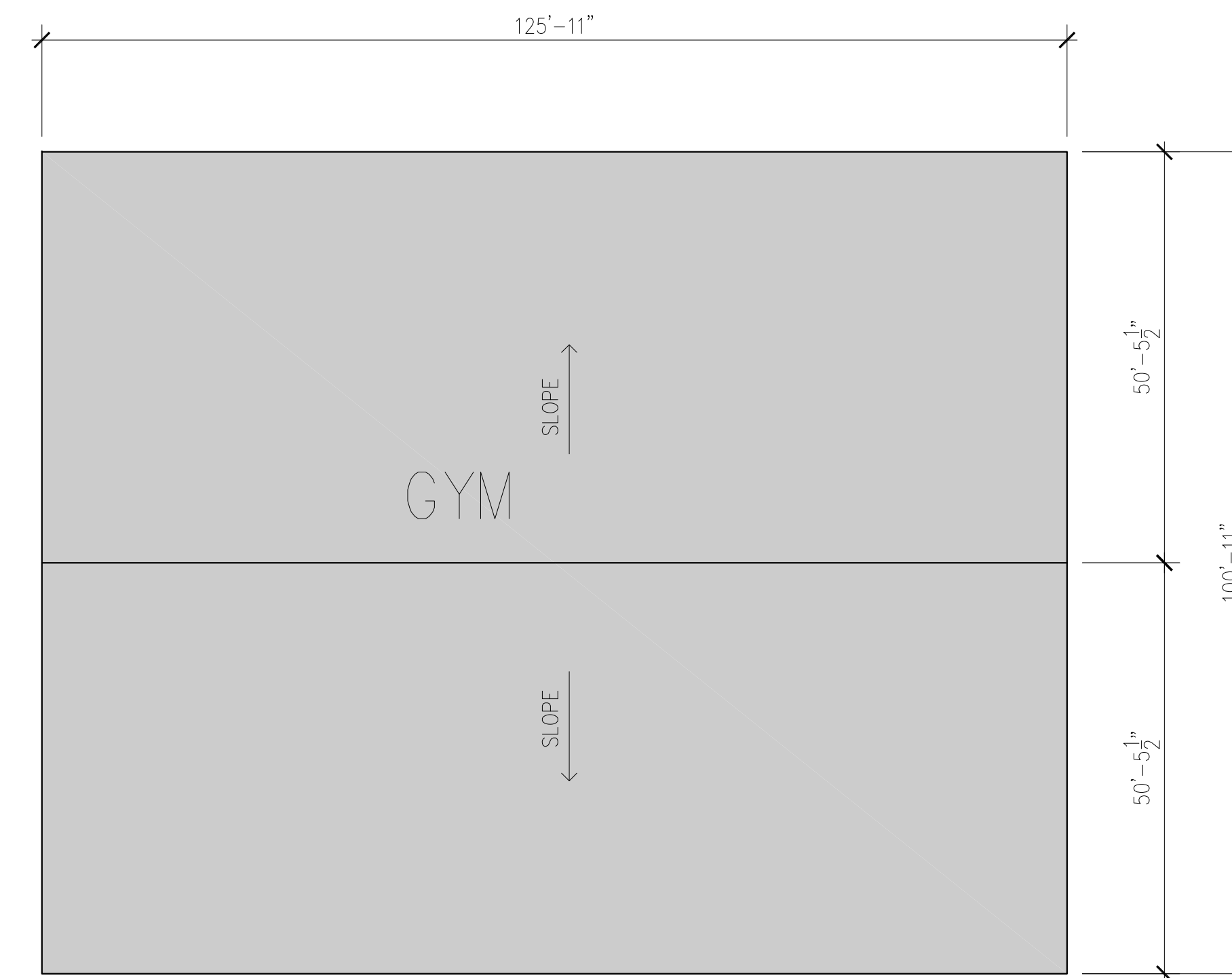
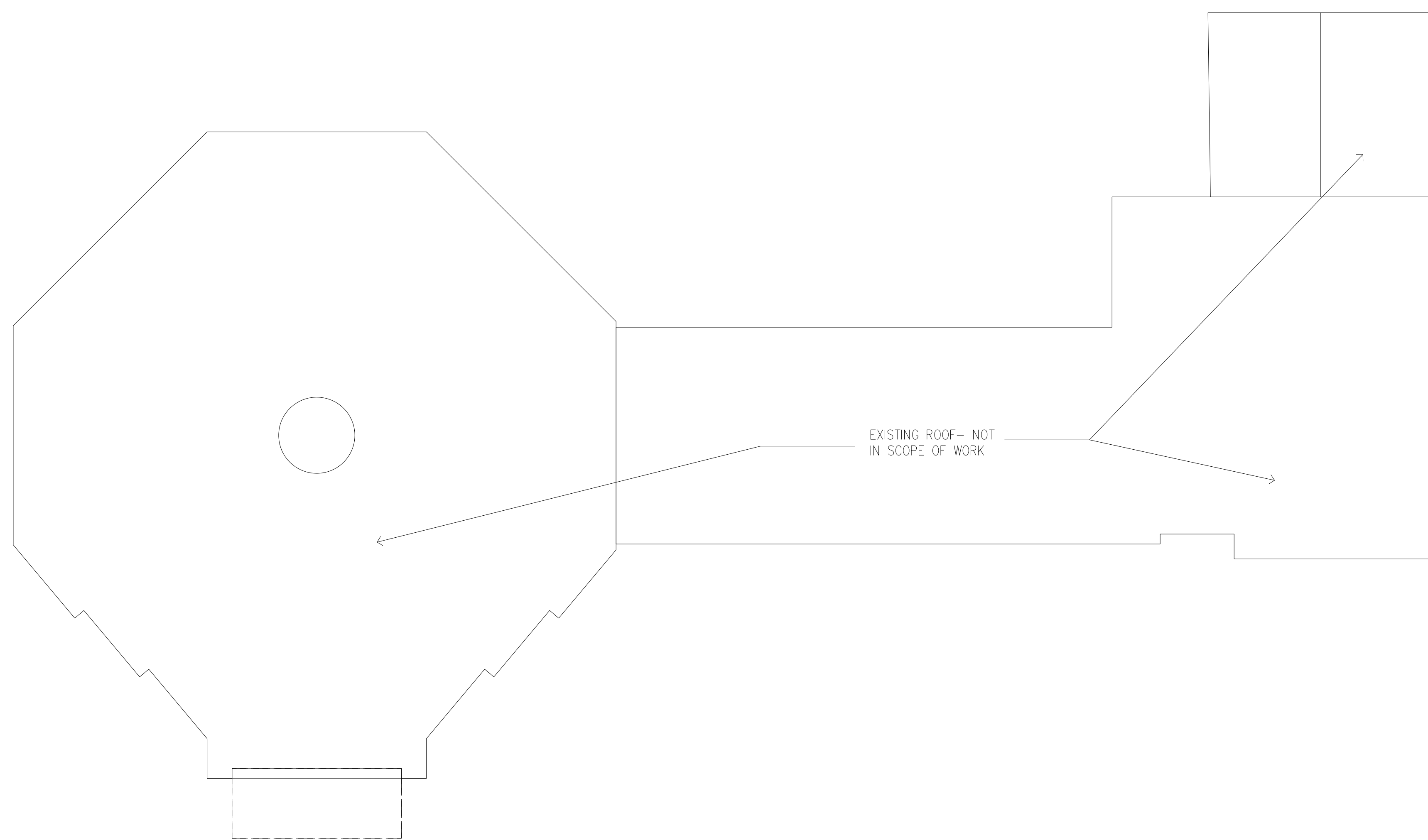
No.	Description	Date

YES PREP SCHOOL
5th WARD
CAMPUS
RE-ROOFING
PROJECT
1305 BENSON ST.
HOUSTON, TX 77020

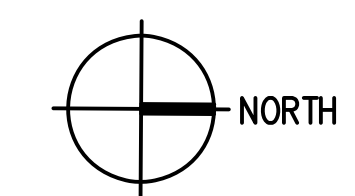
ROOF PLAN

Project Number 20036
Date 04/21/20
Drawn By PLH
Checked By

A101



NOTE:
SHADED ROOF AREAS ARE INCLUDED AS PART OF SCOPE. INSTALL COVER BOARD OVER EXISTING METAL PANELS AND INSTALL NEW MEMBRANE PER SPECIFICATIONS



No.	Description	Date

YES PREP SCHOOL
NORTH CENTRAL RE-ROOFING PROJECT

13703
ALDINE WESTFIELD RD.
HOUSTON, TX 77039

ROOF PLAN

Project Number	20036
Date	04/21/20
Drawn By	PLH
Checked By	

A101