

**COMPTON COMMUNITY COLLEGE DISTRICT
BUSINESS SERVICES, ROOM C34
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
PROJECT: CAMPUS ROOF REPAIR AND OR REPLACEMENT
RFQ CCC-060**

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Bidding and Contract Documents

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Forms to be completed or furnished by successful bidder only:

- Agreement**
- Workers' Compensation Certificate**
- Payment Bond**
- Performance Bond**
- Certificate of insurance (provided by insurance company)**
(Required within ten (10) days after award)
- Any other documents or proof requested in the bid documents**

NOTICE TO CONTRACTORS CALLING FOR BIDS

DISTRICT	COMPTON COMMUNITY COLLEGE DISTRICT
PROJECT DESCRIPTION	RFQ CCC-060 Campus Roof Repair and/or Replacement Project
MANDATORY JOB WALK	Friday, November 22, 2019 at 10AM. Meet at the parking permit kiosk at the northeast corner of the campus between Parking Lot F and Row Building F
LATEST TIME/DATE FOR SUBMISSION OF BID PROPOSALS	2:00 PM Tuesday, December 03, 2019
LOCATION FOR SUBMISSION OF BID PROPOSALS	COMPTON COMMUNITY COLLEGE DISTRICT 1111 East Artesia Boulevard Compton, CA 90221 Building: <u>C-Row, Business Services Office</u> Office/Room: <u>C-34</u>
LOCATION FOR OBTAINING BID AND CONTRACT DOCUMENTS	The District's Website http://www.compton.edu/district/administration/businessadmin/Bid_Proposal_Requests.aspx

NOTICE IS HEREBY GIVEN that the above-named California Community College District, through its Board of Trustees ("the District") will accept Bid Proposals for the Contract for **RFQ CCC-060 Campus Roof Repair and/or Replacement Project** ("the Work").

1. Submittal of Bid Proposals. All Bid Proposals shall be submitted on forms furnished by the District at or prior to the date and time set forth above.
2. Bid and Contract Documents. The Bid and Contract Documents can be obtained at: http://www.compton.edu/district/administration/businessadmin/Bid_Proposal_Requests.aspx

Bid and Contract Documents will be available no later than Tuesday, November 19, 2019.

3. While the Bid and Contract Documents may be available through other Planrooms or sites, the District does not guarantee the authenticity or completeness of the Bid and Contract Documents obtained from such other Planrooms or sites. Bidders shall be solely responsible for reviewing the District's website and downloading any and all Project Documents and Addenda prior to bidding.
4. Documents Accompanying Bid Proposal. Each Bid Proposal shall be accompanied by: (i) the required Bid Security; (ii) Subcontractors List; (iii) Non-Collusion Affidavit; (iv) Statement of Bidder's Qualifications; and (v) Verification of Contractor and Subcontractor DIR Registration.

5. Prevailing Wage Rates. Pursuant to California Labor Code §1773, the Director of the Department of Industrial Relations of the State of California has determined the generally prevailing rates of wages in the locality in which the Work is to be performed. Copies of these determinations, entitled "PREVAILING WAGE SCALE" are available for review on the internet at http://www.dir.ca.gov/dlsr/statistics_research.html. The Contractor awarded the Contract for the Work shall post a copy of all applicable prevailing wage rates for the Work at conspicuous locations at the Site of the Work. The Contractor and all Subcontractors performing any portion of the Work shall pay not less than the applicable prevailing wage rate for the classification of labor provide by their respective workers in prosecution and execution of the Work. During the Work and pursuant to Labor Code §1771.4(a)(4), the Department of Industrial Relations shall monitor compliance with prevailing wage rate requirements and enforce the Contractor's prevailing wage rate obligations.
6. Bidder and Subcontractors DIR Registered Contractor Status. Pursuant to and in accordance with Labor Code §1771.1, each Bidder must be a DIR Registered Contractor when submitting a Bid Proposal. The Bid Proposal of a Bidder who is not a DIR Registered Contractor when the Bid Proposal is submitted will be rejected for non-responsiveness. All Subcontractors identified in a Bidder's Subcontractors' List must be DIR Registered contractors at the time the Bid Proposal is submitted.
1. Contractors' License Classification. The District requires that Bidders possess the following classification(s) of California Contractors License at the time that the Contract for the Work is awarded - C-39 Roofing. The Bid Proposal of a Bidder who does not possess a valid and in good standing Contractors' License in the classification(s) set forth above will be rejected for non-responsiveness. Any Bidder not duly and properly licensed is subject to all penalties imposed by law. No payment shall be made for the Work unless and until the Registrar of Contractors verifies to the District that the Bidder awarded the Contract is properly and duly licensed for the Work.
7. Contract Time. Substantial Completion of the Work shall be achieved as set forth in the Contract Documents; Liquidated Damages will be assessed for delayed Substantial Completion.
8. Bid Security. Each Bid Proposal shall be accompanied by Bid Security in an amount not less than ten percent (10%) of the maximum amount of the Bid Proposal, inclusive of any additive Alternate Bid Item(s). A Bid Proposal not accompanied by the required Bid Security is non-responsive and will be rejected by the District.
9. Alternate Bid Items. If the bidding include(s) Alternate Bid Items for which each Bidder must propose pricing for each Alternate Bid Item, the District's selection of Alternate Bid Items for determination of the lowest bid shall be as set forth in the Instructions to Bidders.
10. No Withdrawal of Bid Proposals. Bid Proposals shall not be withdrawn by any Bidder for sixty (60) days after the opening of Bid Proposals. During this time, all Bidders shall guarantee prices quoted in their respective Bid Proposals.
11. Job-Walk. The District will conduct a Mandatory Job Walk on Friday, November 22, 2019 beginning at 10:00 AM Bidders are to meet at the parking permit kiosk at the northeast corner of

the campus between Parking Lot F and Row Building F at Compton College Campus for the Job Walk. Parking permit is \$3.00 and permits are available at parking kiosks in the parking lots. Please plan accordingly. If the Job Walk is mandatory, the Bid Proposal submitted by a Bidder whose representative(s) did not attend the entirety of the Mandatory Job Walk will be rejected by the District as being non-responsive.

12. Pre-Bid Inquiries. Bidders may submit pre-bid inquiries or clarification requests no later than 2:00 PM on Tuesday, November 26, 2019. Pre-bid inquiries or clarification requests shall be submitted only to Linda Owens at: lowens@compton.edu.
13. Copies of Agreement and Bonds. The number of required executed copies of the Agreement are THREE (3). The number of required executed copies of the Performance Bond and the Labor & Materials Payment are THREE (3).
14. Award of Contract; Waiver of Irregularities. The Contract, if awarded, will be by action of the District's Board of Trustees to the responsible Bidder submitting the lowest priced responsive Bid Proposal. If Alternate Bid Items are included in the bidding, the lowest priced Bid Proposal will be determined on the basis of the Base Bid Proposal or on the Base Bid Proposal and the combination of Alternate Bid Items selected in accordance with the above. The District reserves the right to reject any or all Bid Proposals or to waive any irregularities or informalities in any Bid Proposal or in the bidding.

Advertisement publication dates:
Thursday, November 14, 2019
Thursday, November 21, 2019

[End of Section]

INSTRUCTIONS FOR BIDDERS

Preparation and Submittal of Bid Proposal.

- a) **Bid Proposal Preparation.** All information required by the bid forms must be completely and accurately provided. Numbers shall be stated in both words and figures where so indicated in the bid forms; conflicts between a number stated in words and in figures are governed by the words. Partially completed Bid Proposals or Bid Proposals submitted on other than the bid forms included herein are non-responsive and will be rejected. Bid Proposals not conforming to these Instructions for Bidders and the Notice to Contractors Calling for Bids ("Call for Bids") may be deemed non-responsive and rejected.
- b) **Bid Proposal Submittal.** Bid Proposals shall be submitted at the place designated in the Call for Bids in sealed envelopes bearing on the outside the Bidder's name and address along with an identification of the Work for which the Bid Proposal is submitted. Bidders are solely responsible for timely submission of Bid Proposals to the District at the place designated in the Call for Bids.
- c) **Date and Time of Bid Proposal Submittal.** The District will place a date/time stamp machine in a conspicuous location at the place designated for submittal of Bid Proposals. A Bid Proposal is submitted only if the outer envelope containing the Bid Proposal is stamped by the District's date/time stamp machine; Bid Proposals not so stamped as timely submitted will be rejected and returned to the Bidder unopened. The date/time stamp is controlling and determinative as to the date and time of the Bidder's submittal of its Bid Proposal. The foregoing notwithstanding, whether or not Bid Proposals are opened exactly at the time fixed in the Call for Bids, no Bid Proposals shall be received or considered by the District after it has commenced the public opening and reading of Bid Proposals; Bid Proposals submitted after such time are non-responsive and will be returned to the Bidder unopened.

1. Documents Accompanying Bid Proposal; Signatures. The Bid Proposal must be submitted with: Bid Form, Designation of Subcontractors Form, Bid Response Questionnaire, the Non-Collusion Affidavit and Bid Bond. All documents shall be executed by an individual duly authorized to execute the same on behalf of the Bidder.

Modifications. Changes to the bid forms which are not specifically called for or permitted may result in the District's rejection of the Bid Proposal as being non-responsive. Bid Proposals must not contain any erasures, interlineations or other corrections unless the same are suitably authenticated by affixing in the margin immediately opposite such erasure, interlineations or correction the surname(s) of the person(s) signing the Bid Proposal. Any Bid Proposal not conforming with the foregoing may be deemed by the District to be non-responsive. If any Bid Proposal or portions thereof, is determined by the District to be illegible, ambiguous or inconsistent, whether by virtue of any erasures, interlineations, corrections or otherwise, the District may reject such a Bid Proposal as being non-responsive.

Erasures; Inconsistent or Illegible Bids. Bids must not contain any erasures, interlineations or other corrections unless each such correction is suitably authenticated by affixing in the margin immediately opposite the correction the initials of the person signing the bid. Any bid not conforming with the foregoing may be deemed by the District to be non-responsive. In the event any bid submitted, or portions thereof, shall be reasonably determined by the District to be illegible, ambiguous or inconsistent, the District may reject the bid as non-responsive.

Examination of Site and Contract Documents. Each Bidder MUST attend the mandatory job walk designated in the Call for Bids. Each Bidder shall at its sole cost and expense inspect the Site to become fully

acquainted with conditions affecting the Work and carefully review the Contract Documents; submission of a Bid Proposal is prima facie evidence of such action by the Bidder. The failure of a Bidder to receive or examine any of the Contract Documents shall not relieve such Bidder from any obligation under the Contract Documents. Bids will not be accepted from any Bidder that has not attended the mandatory job walk.

Withdrawal of Bids. Any bidder may withdraw its bid either by written or telegraphic request delivered to the District prior to the scheduled closing time for receipt of bids. In the event a bidder submitting a bid shall seek to withdraw its bid, it shall be the sole and exclusive responsibility of the bidder to notify the District of such withdrawal within the time and in the manner set forth above. Any written or telegraphic notice of withdrawal of a submitted bid received after the scheduled closing time for receipt of bids shall not be considered by the District, nor effective to withdraw such bid.

Interpretation of Drawings, Specifications or Contract Documents. If the Bidder is in doubt as to the true meaning of any part of the Contract Documents; finds discrepancies, errors or omissions therein; or finds variances in any of the Contract Documents with applicable rules, regulations, ordinances and/or laws, a written request via email to Linda Owens, lowens@compton.edu for an interpretation or correction thereof may be submitted to the District. Bidders are solely responsible for submitting to such request not less than five (5) days prior to the scheduled closing date for the receipt of Bid Proposals. Interpretations or corrections of the Contract Documents will be by written addendum issued by or on behalf of the District. No person is authorized to render an oral interpretation or correction of any portion of the Contract Documents to any Bidder, and no Bidder is authorized to rely on any such oral interpretation or correction. Failure to request interpretation or clarification of any portion of the Contract Documents pursuant to the foregoing is a waiver of any discrepancy, defect or conflict therein.

Work. All work will be done during times that will allow no disruption to the campus. The District will work with the contractor as much as possible. Contractor hours may include weekends. The District will not allow any change orders for overtime or premium in their bids.

District's Right to Modify Contract Documents. Before the public opening and reading of Bid Proposals, the District may modify the Work, the Contract Documents, or any portion(s) thereof by the issuance of written addenda disseminated via email to all Bidders who have attended the mandatory jobwalk and obtained the Contract Documents. If the District issues any addenda during the bidding, the failure of any Bidder to acknowledge such addenda in its Bid Proposal will render the Bid Proposal non-responsive and rejected.

Bidders Interested in More Than One Bid Proposal; Non-Collusion Affidavit. No person or entity shall submit or be interested in more than one Bid Proposal for the Work; provided, however, that a person or entity that has submitted a subproposal to a Bidder or who has quoted prices for materials to a Bidder is not thereby disqualified from submitting a subproposal, quoting prices to other Bidders or submitting a Bid Proposal for the Work. The form of Non-Collusion Affidavit included in the Contract Documents must be completed and duly executed on behalf of the Bidder; failure of a Bidder to submit a completed and executed Non-Collusion Affidavit with its Bid Proposal will render the Bid Proposal non-responsive.

Award of Contract.

- 1.1 **Award to Lowest Responsive Responsible Bidder.** The award of the Contract, if made by the District through action of the District's Board of Trustees, will be to the responsible Bidder submitting the lowest priced responsive Bid Proposal on the basis of the Base Bid Proposal or the Base Bid Proposal and Alternate Bid Items, if any, selected in accordance with these Instructions for Bidders. Bidder must be a valid C39 licensed contractor in the State of California. All Contractors and their subcontractor(s) must be registered with the Department of Industrial Relations per SB 854; and submit proof of registration to District prior to award.

1.2 Responsive Bidder. A responsive bidder shall mean a bidder who has submitted a bid which conforms in all material respects, with the bid documents.

1.3 Responsible Bidder. A responsible bidder shall mean a bidder who has the capability in all respects, to fully perform the requirements of the contract documents and the moral and business integrity and the reliability which will assure good faith performance. In determining responsibility, the following criteria will be considered:

- (i) The ability, capacity and skill of the bidder to perform the work of the contract documents;
- (ii) Whether the bidder can perform the work of the contract documents promptly and within the time specified, without delay or interference;
- (iii) The character, integrity, reputation, judgment, experience and efficiency of the bidder;
- (iv) The quality, availability and adaptability of the goods or services to the particular use required;
- (v) The ability of the bidder to provide future maintenance and service for the warranty period of the contract, if applicable;
- (vi) Such other information as may be secured by the District, having a bearing on the decision to award the contract, to include without limitation the ability, experience and commitment of the bidder to properly and reasonably plan, schedule, coordinate and execute the work of the bid documents.

The purpose of the above is to enable the District, in its opinion, to select the bid which is in its best interests.

Subcontractors.

- c) **Designation of Subcontractors; Subcontractors List.** Each Bidder shall submit a list of its proposed Subcontractors for the proposed Work as required by the Subletting and Subcontracting Fair Practices Act (California Public Contract Code "4100 et seq.) on the form furnished. Each Bidder shall list a subcontractor who will perform Work valued at or greater than one-half of one percent (0.5%) of the amount of the Bid Proposal. If the Bidder awarded the Contract for the Work does not list a Subcontractor for any portion of the Work valued at or greater than one-half of one percent (0.5%) of the Contract Price, the Bidder awarded the contract shall perform all such Work with its own forces; subsequent subcontracting of such Work will not be permitted except in strict conformity with Public Contract Code §4109. The failure of any Bid Proposal to include all information required by the Subcontractors List will result in rejection of the Bid Proposal for non-responsiveness.
- d) **Work of Subcontractors.** All Bidders are referred to the Contract Documents and the notation therein that all Contract Documents are intended to be complimentary and that the organization or arrangements of the Specifications and Drawings shall not limit the extent of the Work of the Contract Documents. Accordingly, all Bidders are encouraged to disseminate all of the Specifications, Drawings and other Contract Documents to all persons or entities submitting sub-bids to the Bidder. The omission of any portion or item of Work from the Bid Proposal or from the sub-bidders' sub-bids which is/are necessary to produce the intended results and/or which are reasonably inferable from the Contract Documents is not a basis for adjustment of the Contract Price or the Contract Time.

Subcontractor Bonds. In accordance with California Public Contract Code '4108, if a Bidder requires a bond or bonds of its Subcontractor(s), whether the expense of procuring such bond or bonds are to be borne by the Bidder or the Subcontractor(s), such requirements shall be specified in the Bidder's written or published request for sub-bids. Failure of the Bidder to comply with these requirements shall preclude the Bidder from imposing bonding requirements upon its Subcontractor(s) or rejection of a Subcontractor's bid under California Public Contract Code '4108(b).

Workers' Compensation Insurance. Pursuant to California Labor Code '3700, the successful Bidder shall secure Workers' Compensation Insurance for its employees engaged in the Work of the Contract. The successful Bidder shall sign and deliver to the District the form of Workers Compensation Insurance included with the Contract Documents. The successful bidder shall sign and deliver to the District the following certificate prior to performing any of the Work under the Contract:

"I am aware of the provisions of '3700 of the California Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that Code and I will comply with such provisions before commencing the performance of the Work of the Contract."

The form of such Certificate is included as part of the Contract Documents.

Anti-Discrimination. It is the policy of the District that in connection with any work performed, there shall be no discrimination against any prospective or active employee engaged in the work because of race, color, ancestry, age, national origin, marital status, gender, disability, disabled veteran status or religious creed. All bidders agree to comply with the District's anti-discrimination policy and all applicable Federal and California laws including but not limited to the California Fair Employment & Housing Act, commencing with California Government Code, Sections 12940 et seq. and California Labor Code, Section 1735. In addition, all bidders agree to require anti-discrimination compliance by any and all subcontractors employed by them on the work of the contract.

Drug Free Workplace Certificate. In accordance with California Government Code "8350 et seq., the Drug Free Workplace Act of 1990, the successful Bidder will be required to execute a Drug Free Workplace Certificate concurrently with execution of the Agreement. The successful Bidder will be required to implement and take the affirmative measures outlined in the Drug Free Workplace Certificate and in California Government Code "8350 et seq. Failure of the successful Bidder to comply with the measures outlined in the Drug Free Workplace Certificate and in California Government Code "8350 et seq. may result in penalties, including without limitation, the termination of the Agreement, the suspension of any payment of the Contract Price otherwise due under the Contract Documents and/or debarment of the successful Bidder.

Public Records. Bid Proposals and other documents responding to the Call for Bids become the exclusive property of the District upon submittal to the District. Upon the District's issuance of the Notice of Intent to award the Contract, all Bid Proposals and other documents submitted in response to the Call for Bids shall thereupon be considered public records, except for information contained in such Bid Proposals deemed to be Trade Secrets (as defined in California Civil Code '3426.1). A Bidder that indiscriminately marks all or most of its Bid Proposal as exempt from disclosure as a public record, whether by the notations of "Trade Secret," "Confidential," "Proprietary," or otherwise, may render the Bid Proposal non-responsive and rejected. The District is not liable or responsible for the disclosure of such records, including those exempt from disclosure if disclosure is deemed required by law, by an order of Court, or which occurs through inadvertence, mistake or negligence on the part of the District or its officers, employees or agents. At such time as Bid Proposals are deemed

a matter of public record, pursuant to the above, any Bidder or other party shall be afforded access for inspection and/or copying of such Bid Proposals, by request made to the District in conformity with the California Access to Public Records Act, California Government Code "6250, et. seq. If the District is required to defend or otherwise respond to any action or proceeding wherein request is made for the disclosure of the contents of any portion of a Bid Proposal deemed exempt from disclosure hereunder, the Bidder submitting the materials sought by such action or proceeding agrees to defend, indemnify and hold harmless the District in any action or proceeding from and against any liability, including without limitation attorneys' fees arising there from. The party submitting materials sought by any other party shall be solely responsible for the cost and defense in any action or proceeding seeking to compel disclosure of such materials; the District's sole involvement in any such action shall be that of a stakeholder, retaining the requested materials until otherwise ordered by a court of competent jurisdiction.

Compliance with Immigration Reform and Control Act of 1986. The Bidder is solely and exclusively responsible for employment of individuals for the Work of the Contract in conformity with the Immigration Reform and Control Act of 1986, 8 USC "1101 et seq. (the AIRCA)"; the successful Bidder shall also require that any person or entity employing labor in connection with any of the Work of the Contract shall so similarly comply with the IRCA.

Notice of Intent to Award Contract. Following the public opening and reading of Bid Proposals, the District will issue to Bidders timely submitting a Bid Proposal, a Notice of Intent to Award the Contract, identifying the Bidder to whom the District intends to award the Contract at least seven (7) calendar days prior to award of contract and give the date, time and place of the Board of Trustees meeting to consider award of the Contract. See sample contract in Exhibit B.

Bid Protest. Any Bidder submitting a Bid Proposal to the District may file a protest of the District's intent to award the Contract provided that each and all of the following are complied with:

- (i) The bid protest is in writing;
- (ii) The bid protest is filed and received by the District's Business Services not more than five (5) calendar days following the date of issuance of the District's Notice of Intent to Award the Contract; and
- (iii) The written bid protest sets forth, in detail, all grounds for the bid protest, including without limitation all facts, supporting documentation, legal authorities and argument in support of the grounds for the bid protest; any matters not set forth in the written bid protest shall be deemed waived. All factual contentions must be supported by competent, admissible and creditable evidence.

Any bid protest not conforming with the foregoing shall be rejected by the District as invalid. Provided that a bid protest is filed in strict conformity with the foregoing, the District's Business Services or such individual(s) as may be designated by him/her, shall review and evaluate the basis of the bid protest. Either the District's Business Services, or other individual designated by him/her shall provide the bidder submitting the bid protest with a written statement concurring with or denying the bid protest. The District's Special Trustee will render a final determination and disposition of a bid protest by taking action to adopt, modify or reject the disposition of a bid protest as reflected in the written statement of the District's Business Services, or his/her designee. Action by the District's Board of Trustees relative to a bid protest shall be final and not subject to appeal or reconsideration by the District, District's Business Services, any other employee or officer of the District. The rendition of a written statement by the District's Business Services (or his/her designee) and action by the District's Board of Trustees to adopt, modify or reject the disposition of the bid protest reflected in such written statement shall be express conditions precedent to the institution of any legal or equitable proceedings relative to the bidding process, the District's award of the Contract, the District's disposition of any bid protest or the District's decision to reject all Bid Proposals. In the event that any such legal or

equitable proceedings are instituted and the District is named as a party thereto, the prevailing party(ies) shall recover from the other party(ies), as costs, all attorneys fees and costs incurred in connection with any such proceeding, including any appeal arising there from.

[End of Section]
BID CANNOT BE ACCEPTED VIA FACSIMILE (FAX)

SCOPE OF WORK & GENERAL CONDITIONS

The intent of the District is to enter into an Agreement with a responsive and responsible bidder for the roof repair of various buildings.

See Exhibit A attached for detailed scope of work and specifications. Exhibit A contains the following documents:

- a. GENERAL (15 pages)
- b. POLYVINYL-CHLORIDE (PVC/TPA) ROOFING (8 pages)

1. **General specifications:** Specifications set forth herein are for the purpose of establishing standards and are not intended to preclude any vendor from bidding who can substantially meet or exceed the specifications. Deviations from the specifications listed herein must be stated in detail on the Bid Response Questionnaire, and the District's Special Trustee, as represented by an evaluation team, shall be the sole judge as to whether such deviations are, in fact, acceptable.
2. **Assignment of Contract:** The Contractor shall not assign or transfer any operation of law or otherwise any or all of its rights, burdens, duties obligations, without the prior written consent of the authorized representative of the District.
3. **Sub-Contractors:** Sub-contractors, if any, engaged by the Contractor for the service shall be subject to the approval of the District. The Contractor shall be held responsible for all operation of sub-contractors and shall require them to maintain adequate Worker's Compensation and public liability insurance.
4. **Hold Harmless Clause:** The Contractor shall hold harmless and indemnify the District and the Board of Trustees, its officers and employees from every claim or demand which may be made by reason of:
 - (a) Any injury to person or property sustained by the supplier or by any person, firm, or corporation, employed directly or indirectly by him upon or in conjunction with his performance under the contract, except those injuries caused by District's employees.
 - (b) Any injury to person or property sustained by any person, firm, or corporation caused by any negligent act or omission of the supplier or of any person, firm, or corporation directly or indirectly employed by him upon or in connection with his performance under the contract.
 - (c) The Contractor, at his own expense and risk, shall defend any legal proceeding that may be brought against the District or the Board on any claim or demand listed above, and satisfy any judgment that may be rendered against the District or the Board therein.
5. **District's Special Trustee Authority:** The District's Special Trustee reserves the right to:
 - (a) Reject any and all bids; any part of any bid; increase or decrease quantities
 - (b) Waive any informality or minor irregularity in any bid;
 - (c) Bids shall remain irrevocably in effect and subject to acceptance within thirty (30) calendar days of the closing date of the bid.

6. **Interpretation of Documents:** If any person contemplating submitting a bid is in doubt as to the true meaning of any part of the general conditions or other bid documents, or finds discrepancies in, or omissions from such, he/she may submit to the District an email request for an interpretation or correction thereof. Any interpretation or correction of the bid documents will be made only by addendum duly issued and a copy of such addendum will be emailed to each person receiving a set of the bid documents. No oral interpretation of any provision in the bid documents will be made to any bidder.
7. **Liquidated Damages:** Contractor shall be assessed the sum of Five Hundred Dollars (\$ 500.00) per calendar day as liquidated damages for each and every day the work required under this Contract remains unfinished past the time for completion, as set forth in the Agreement, and any extensions of time granted by the District to the Contractor under the terms of the Contract Documents and pursuant to Section 53069.85 of the Government Code. For purposes of this Article, the work shall be considered "complete" in accordance with the provisions, "COMPLETION", except that the work may be considered complete without formal acceptance by the Governing Board so long as the board, at its next regularly scheduled meeting, accepts the work.
 - B. Contractor shall not be charged for liquidated damages, as set forth above, because of any delays in completion of work which are not the fault or negligence of Contractor, including but not restricted to: acts of God, acts of public enemy, acts of Government, fires, floods, epidemics and quarantine restrictions. Contractor shall, within ten (10) calendar days of beginning of any such delay (unless District grants in writing a further period of time to file such notice prior to date of final settlement of the Contract), notify District in writing of causes of delay; thereupon District shall ascertain the facts and extent of delay and grant extension of time for completing work when, in its judgment, the findings of fact justify such an extension. The District's finding of fact thereon shall be final and conclusive on the parties hereto. Extensions of time shall apply only to that portion of work affected by delay, and shall not apply to other portions of work not so affected.
8. **District Contact:** Questions related to the bid or bid documents, are to be directed to Linda Owens, Director of Facilities Planning and Operations via email lowens@compton.edu.
9. **Mandatory Job Walk:** **Friday, November 22, 2019 @ 10:00AM.** Bids will not be accepted by Bidders that do not attend the Mandatory Job Walk for this Project.
10. **Bid Questions and Addenda:** The last day for bidder questions and clarifications are due **Tuesday, November 26, 2019 before 2:00PM** via email to Linda Owens, lowens@compton.edu. Any addenda will be issued via email (to those that attended the Mandatory Job Walk) by Wednesday, November 27, 2019 before 7PM.
11. **Sealed Bid Due Date:** **Tuesday, December 3, 2019 @ 2:00PM**, in the Business Services Office at Compton Community College District, Business Services, Room C34, 1111 E. Artesia Blvd., Compton, CA 90221. Bids will not be accepted after the date and time stated above.

END OF SCOPE OF WORK & GENERAL CONDITIONS

BID FORM

BIDDER: _____

Buildings in Scope of Work

- | | |
|--------------------------------------|-------------------------------------|
| A. Building C - \$ _____ | J. Building D - \$ _____ |
| B. Building E - \$ _____ | K. Building F - \$ _____ |
| C. Building Q - \$ _____ | L. Building R - \$ _____ |
| D. Building M5 - \$ _____ | M. Building U - \$ _____ |
| E. Building V - \$ _____ | N. Building VT - \$ _____ |
| F. Building Y - \$ _____ | O. Library (SSC) Windows - \$ _____ |
| G. Library (SSC) Skylight - \$ _____ | P. MIS Building - \$ _____ |
| H. Police (M3) - \$ _____ | Q. Walkway Beams - \$ _____ |
| I. AHB - \$ _____ | R. Village Portables - \$ _____ |

GRAND TOTAL BASE BID OF ALL ITEMS: A THROUGH R \$ _____

TOTAL PROJECT DURATION (DAYS TO COMPLETE WORK) _____

I. Alternate No. 1 – Provide an additional amount for 10 days of leak response and repairs, billed in .5 man day increments, covering buildings, and areas at 1111 E. Artesia Blvd. not repaired under scope of work, for a period of 12 months following completion of Campus Roof Repair Project:

Add: \$ _____

II. Alternate No. 2 – Provide an additional amount for one additional year (twelve months) warranty for repair areas, identical to original one year warranty associated with Repair Specification, and to begin upon expiration of said one year warranty at 1111 E. Artesia Blvd.

Add: \$ _____

III. Alternate No. 3 – Provide an additional unit cost for replacement of wood decking or other deck materials discovered to be unsafe during repairs or restoration. Replacement of decking shall also include roof system over new decking, installed in such a manner as to be considered sound and waterproof:

Per sheet: \$ _____

Respectfully submitted this _____ day of _____, 2019.

(Corporate Seal)

Submitted By: _____
(Name of bidding firm or corporation)

Authorized Signature: _____
(Handwritten signature)

Signed By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice President)

Registered: Pursuant to Division 2, Part 7, Chapter 1(commencing with section 1720) of the California Labor Code. You are a registered contractor for public works projects
Yes [_____] NO [_____]

Street Address: _____

City, State, Zip _____

Phone: _____

License No.: _____

Federal ID No.: _____

END OF DOCUMENT

DESIGNATION OF SUBCONTRACTORS FORM

Bidder: _____

Address: _____

Telephone: _____

FAX: _____

E-Mail: _____

Bidder's Authorized Representative(s): _____

Bid Package No. & Project Name: RFQ CCC-060: Campus Roof Repair and/or Replacement

NAME OF SUBCONTRACTOR		BUSINESS LOCATION/ ADDRESS OF SUBCONTRACTOR	TRADE OR PORTION OF THE WORK
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		
Lic #:	Lic Type:		

PHOTOCOPY THE ABOVE PAGE / TABLE AS NECESSARY TO LIST ADDITIONAL SUBCONTRACTORS

BID RESPONSE QUESTIONNAIRE

Bidder Qualifications References

1. Bidder must list below the name, address, telephone number and name of contact, of two (2) facilities where Bidder has successfully performed like work of similar volume and requirements as is being offered in this Bid request.

- Company _____
Address _____
City _____ State _____ Zip _____
Telephone _____ Contact _____

- Company _____
Address _____
City _____ State _____ Zip _____
Telephone _____ Contact _____

**NONCOLLUSION AFFIDAVIT TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID**

_____, being first duly sworn, deposes and says that he/she is _____ of the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation;

that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding;

that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid prices, or that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true;

and, further that the bidder has not, directly or indirectly, submitted his/her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date _____

Signature _____

Company _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, _____, as Surety and _____, as Principal, are jointly and severally, along with their respective heirs, executors, administrators, successors and assigns, held and firmly bound unto **COMPTON COMMUNITY COLLEGE DISTRICT**, hereinafter "the Oblige," for payment of the penal sum hereof in lawful money of the United States, as more particularly set forth herein.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

WHEREAS, the Principal has submitted the accompanying Bid Proposal to the Oblige for the Work commonly described as the **RFQ CCC-060: Campus Roof Repair and/or Replacement**

WHEREAS, subject to the terms of this Bond, the Surety is firmly bound unto the Oblige in the penal sum of TEN PERCENT (10%) of the maximum amount of the Bid Proposal submitted by the Principal to the Oblige, as set forth above.

NOW THEREFORE, if the Principal shall not withdraw said Bid Proposal within the period specified therein after the opening of the same, or, if no period be specified, for NINETY (90) DAYS after opening of said Bid Proposal; and if the Principal is awarded the Contract, and shall within the period specified therefore, or if no period be specified, within FIVE (5) DAYS after the prescribed forms are presented to him for signature, enter into a written contract with the Oblige, in accordance with the Bid Proposal as accepted and give such bond(s) with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract and for the payment for labor and materials used for the performance of the Contract, or in the event of the withdrawal of said Bid Proposal within the period specified for the holding open of the Bid Proposal or the failure of the Principal to enter into such Contract and give such bonds within the time specified, if the Principal shall pay the Oblige the difference between the amount specified in said Bid Proposal and the amount for which the Oblige may procure the required Work and/or supplies, if the latter amount be in excess of the former, together with all costs incurred by the Oblige in again calling for Bids, then the above obligation shall be void and of no effect, otherwise to remain in full force and effect.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the Call for Bids, the Work to be performed thereunder, the Drawings or the Specifications accompanying the same, or any other portion of the Contract Documents shall in no way affect its obligations under this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract, the Call for Bids, the Work, the Drawings or the Specifications, or any other portion of the Contract Documents.

In the event suit or other proceeding is brought upon this Bond by the Oblige, the Surety shall pay to the Oblige all costs, expenses and fees incurred by the Oblige in connection therewith, including without limitation, attorneys fees.

IN WITNESS WHEREOF, the Principal and Surety have executed this instrument this _____ day of _____, 20__ by their duly authorized agents or representatives.

(Principal's Corporate Seal)

(Principal Name)

By: _____

(Typed or Printed Name)

Title: _____

(Surety's Corporate Seal)

(Surety Name)

By: _____
(Signature of Attorney-in-Fact for Surety)

(Attach Attorney-in-Fact Certificate)

(Typed or Printed Name)

() _____
(Area Code and Telephone Number of Surety)

Bid Bond, page 2

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

I, _____ the _____ of
(Name) (Title)
_____, declare, state and certify that:
(Contractor Name)

1. I am aware that California Labor Code '3700(a) and (b) provides:

"Every employer except the state shall secure the payment of compensation in one or more of the following ways:

- (a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this state.
- (b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer, or one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees."

2. I am aware that the provisions of California Labor Code '3700 require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of this Contract.

(Contractor Name)

By: _____
(Signature)

(Typed or printed name)

AFFIRMATIVE ACTION STATUS CODE FORM

Date _____

Firm Name _____

Representative/Contact _____

Address _____

City _____ State _____ Zip _____

Telephone (____) _____ FAX (____) _____

In order to comply with legal requirements, which became effective January 1, 1991, Compton Community College District is gathering and updating the affirmative action status of vendors with whom the District is currently doing business or of vendors who have expressed an interest in doing business with the District. Please check your Company's appropriate code and return the form to the Compton Community College District Business Services Office as directed below. Your designation will have no affect on the successful bidder selection.

Check AFFIRMATIVE ACTION STATUS CODE
One

- Minority owned/Disadvantaged business [1]
- Woman-owned business [2]
- Small business concern [3]
- Other: _____ [4]
- Large enterprise [5]
- Disabled Veteran enterprise [8]

Please return the completed form with your sealed bid. A breakdown of affirmative action status codes will be expected only for successful bidder's subcontractors either by percentage of work or actual dollar amount bid.

AFFIRMATIVE ACTION STATUS CODE DEFINITIONS

[1] Minority business (or small disadvantaged business)

A small business concern which is at least fifty-one per cent unconditionally owned by one or more socially and economically disadvantaged individuals, or, in the case of a publicly owned business, at least 51% of the stock of which is owned by such individuals, and whose management and daily business operations are controlled by one or more such individuals.

Business owners who certify that they are members of named groups (African American, Hispanic American, Native American, Asian Pacific/Asian Indian American) are considered socially and economically disadvantaged.

[2] Woman-owned business

A business concern that is at least 51% owned by a woman or women who also control and operate it. "Control in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

[3] Small business concern

An independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Association (SBA). Std. Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.01 or in the Federal Procurement Regulations, Section 1-1.701.

[8] Disabled Veteran enterprise

"Disabled Veteran" means a veteran of the military, naval or air services of the United States with a service-connected disability, who is a resident of the State of California. To qualify under this category, certification must be obtained from the Office of Small and Minority Business (OSMB) by completing Form OSMB11 and receiving an approved certification letter from that office. Contact the OSMB at 916-322-5478 for specific assistance.

"NO BID" RESPONSE FORM

Date _____

RFQ CCC-060: Campus Roof Repair and/or Replacement

It is our desire to keep our bid lists as accurate and up to date as possible. In addition, we want to send you bids in which you have an interest as well as others we might not have considered. Please check the appropriate box(es):

We do not wish to bid this particular project, but keep us on your bid list for similar bids in the future.

Reason for "no bid"
(optional): _____

We are bidding on this project and would also like to be considered for these additional categories:

We do not provide these services. However, add us to your bid list for these types of services. _____

Please remove our company from your bid list.

Company _____

By _____
Authorized Representative

Address _____

Telephone (_____) _____

PAYMENT BOND (CALIFORNIA PUBLIC WORK)
Required Action By Contractor – Posting of the Payment Bond:

Contractor shall post at the jobsite a complete copy of the actual payment bond issued. The copy of the payment bond shall be posted outside, but protected from the elements, so that all the information contained in the payment bond issued shall be legible and available to all those persons who the law permits to make a claim against said bond.

KNOW ALL MEN BY THESE PRESENTS:

THAT WHEREAS, Compton Community College District (sometimes referred to hereinafter as “Obligee”) has awarded to _____ (hereinafter designated as the “CONTRACTOR”), an agreement for the work described as follows: **RFQ CCC-060 Campus Roof Repair and/or Replacement** (hereinafter referred to as the “Public Work”); and

WHEREAS, said CONTRACTOR is required to furnish a bond in connection with said Contract, and pursuant to California Civil Code section 3247, and/or other applicable laws;

NOW, THEREFORE, We, _____, the undersigned CONTRACTOR, as Principal; and _____, a corporation organized and existing under the laws of the State of, and duly authorized to transact business under the laws of the State of California, as Surety, are held and firmly bound unto Compton Community College District, and to any and all persons, companies, or corporations entitled by law to file stop notices under California Civil Code section 3181, or any person, company, or corporation entitled to make a claim on this bond, in the sum of _____ Dollars (\$ _____), said sum being not less than one hundred percent (100%) of the total amount payable by said Obligee under the terms of said Contract, for which payment will and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, its heirs, executors, administrators, successors, or assigns, or subcontractor, shall fail to pay any person or persons named in Civil Code section 3181; or fail to pay for any materials, provisions, or other supplies, used in, upon, for, or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code, with respect to work or labor thereon of any kind; or shall fail to deduct, withhold, and pay over to the Employment Development Department, any amounts required to be deducted, withheld, and paid over by Unemployment Insurance Code section 13020 with respect to work and labor thereon of any kind, then said Surety will pay for the same, in an amount not exceeding the amount herein above set forth, and in the event suit is brought upon this bond, also will pay such reasonable attorneys’ fees as shall be fixed by the court, awarded and taxed as provided in California Civil Code sections 3247 et. seq., and/or other applicable laws.

This bond shall inure to the benefit of any person named in Civil Code section 3181 giving such person or his/her assigns a right of action in any suit brought upon this bond.

It is further stipulated and agreed that the Surety of this bond shall not be exonerated or released from the obligation of the bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, or specifications, or agreement pertaining or relating to any scheme or work of improvement herein above described; or pertaining or relating to the furnishing of labor, materials, or equipment therefore; nor by any change or modification of any terms of payment or extension of time for payment pertaining or relating to any scheme or work of improvement herein above described; nor by any rescission or attempted rescission of the contract, agreement or bond; nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond; nor by any fraud practiced by any person other than the claimant seeking to recover on the bond; and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given; and under no circumstances shall the Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the DISTRICT and the CONTRACTOR or on the part of any obligee named in such bond; that the sole condition of recovery shall be that the claimant is a person described in California Civil Code sections 3110 and 3112, and who has not been paid the full amount of his or her claim; and that the Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, 20_____.

PRINCIPAL/CONTRACTOR:

By: _____

SURETY:

By: _____

Attorney-in-Fact

Payment Bond, page 2

IMPORTANT: THIS IS A REQUIRED FORM AND MAY NOT BE ALTERED OR CHANGED

Surety companies executing bonds must possess a certificate of authority from the California Insurance Commissioner authorizing them to write surety insurance defined in California Insurance Code section 105, and if the work or Project is financed, in whole or in part, with federal, grant or loan funds, Surety's name must also appear on the Treasury Department's most current list (Circular 570 as amended).

Any claims under this bond may be addressed to:

(Name and Address of Surety)

(Name and Address of agent or representative for service for service of process in California)

Telephone: _____

Telephone: _____

STATE OF CALIFORNIA)
) ss.
COUNTY OF _____)

On this _____ day of _____, in the year _____, before me, _____, a Notary Public in and for said State, personally appeared _____, known to me to be the person whose name is subscribed within the instrument as the Attorney-in-Fact of the _____ (Surety) and acknowledged to me that he subscribed the name of the _____ (Surety) thereto and his own name as Attorney-in-Fact.

Notary Public in and for said State

(SEAL)

Commission expires: _____

NOTE: A copy of the power-of-attorney to local representatives of the bonding company must be attached hereto.

THIS FORM IS MANDATORY AND NO CHANGE, MODIFICATION AND/OR ALTERATION THEREOF WILL BE ACCEPTED BY THE OWNER.

Payment Bond, Page 3



**COMPTON COMMUNITY COLLEGE DISTRICT
CAMPUS MAP**

EXHIBIT A

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Campus overview

1.2 SUMMARY

- A. Section Includes:

1. Work necessary for repairs to identified areas and buildings, including but not limited to:
 - a. Repairs to the roof membrane, base flashings, and edge metal.
 - b. Resurfacing identified roof sections and base flashing areas with rubberized emulsion and reinforcing fabric, and coating to match existing roof as close as possible.
 - c. Sealing the base of pipe penetrations with elastomeric mastic.
 - d. Sealing of pipe collars with polyurethane sealant
 - e. Seal metal flashings and vents with acrylic mastic and polyester reinforcement
 - f. Sealing all loose or open base and wall flashing corners and laps with elastomeric mastic and fiberglass reinforcement.
 - g. Sealing open HVAC duct work seams, pans and fastener heads with acrylic mastic and polyester reinforcement.
 - h. Clear roof and gutters of debris
 - i. Heat rings, and tighten drain bolts, and install new drain bolts where missing.

1.3 DEFINITIONS

- A. Roofing Terminology: See ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" for definition of terms related to roofing work in this Section.

1.4 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed membrane roofing and base flashings shall withstand thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Membrane roofing and base flashings shall remain watertight.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.
- C. Flashings and Fastening: Provide base flashings, perimeter flashings, detail flashings and component materials and installation techniques that comply with requirements and recommendations of the following:
 - 1. NRCA Roofing and Waterproofing Manual (Fifth Edition) for construction details and recommendations.

1.5 ACTION SUBMITTALS

- A. Product Data and SDS Sheets: For each type of product specified.
 - 1. Highlight characteristics that confirm compliance with specified products.

1.6 INFORMATIONAL SUBMITTALS

- A. Contractor's Product Certificate: Submit letter, indicating products intended for Work of this Section, including product names and numbers and manufacturers' names, with statement indicating that products to be provided meet the requirements of the Contract Documents.
- B. Qualification Data: For Installer and Roofing Inspector. Include letter from Manufacturer written for this Project indicating approval.
- C. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing repairs comply with requirements specified in "Performance Requirements" Article.
 - 1. Submit evidence of compliance with performance requirements.
 - 2. Indicate that proposed system components are compatible.
- D. Inspection Reports: Daily reports of Roofing Inspector. Include, description of work
- E. performed, areas in disrepair not addressed, defective work observed, and corrective actions taken to correct defective work.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and certified by manufacturer, including a full-time on-site supervisor with a minimum of five years' experience installing similar work, and qualified by the manufacturer to furnish warranty of type specified.
 - 1. Installer will acquire daily inspections throughout the length of the project, utilizing manufacturer's technical inspector.

- B. Manufacturer Qualifications: A qualified manufacturer that is UL listed for built-up roofing identical to that used for this Project, and of products compatible with specified roofing repairs.

- C. Roofing Inspector Qualifications: A technical representative of manufacturer, and experienced in the installation and maintenance of the specified materials, qualified to perform roofing observation and inspection specified in Field Quality Control Article, to determine Installer's compliance with the requirements of this Project. The Roofing Inspector shall be the following:
 - 1. An authorized full-time technical employee of the manufacturer.

- D. Source Limitations: Obtain roofing system components from roofing system manufacturer.

- E. Preliminary Roofing Conference: Before starting project, conduct conference at Project site.
 - 1. Meet with Owner, roofing Installer, roofing materials manufacturer's representative.
 - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
 - 3. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Review structural loading limitations of roof deck during and after roofing.
 - 5. Review repair areas, including base flashings, edge metal, deficiencies, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition

of other construction that are to be addressed.
 - 6. Review governing regulations and requirements for insurance and certificates if applicable.
 - 7. Review any temporary protection requirements for roofing system during repairs.
 - 8. Review any rooftop safety requirement, and repair procedures.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver repair materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store repair material containers and place equipment in a manner to avoid permanent deflection of deck.

1.9 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit repair materials to be installed according to manufacturer's written instructions and material warranty requirements.
- B. Field measurements and material quantities:
 - 1. Contractor shall have sole responsibility for accuracy of all measurements, estimates of material quantities and sizes, and site conditions that will affect work.
- C. Waste Disposal:
 - 1. Do not re-use, re-cycle or dispose of material manufacturers product containers except in accordance with all applicable regulations. The user of manufactured products is responsible for proper use and disposal of product containers.
- D. Safety requirements:
 - 1. All application, material handling, and associated equipment shall conform to and be operated in conformance with OSHA safety requirements.
 - 2. Comply with federal, state, local and Owner fire and safety requirements.

3. Maintain a crewman as a floor area guard whenever roof decking is being repaired or replaced.
4. Maintain fire extinguisher within easy access whenever power tools, roofing kettles, fuels, solvents, torches, and open flames are being used.

1.10 WARRANTY

- A. Warranty, General: Warranties specified shall be carried by Roofing Contractor, which will run concurrent with manufacturer material warranties. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
- B. Special Project Warranty: Submit Roofing Contractor's warranty, signed by Contractor, covering Work of this Section for the following warranty period:
 1. Warranty Period: 1 year from date of Substantial Completion.
 2. Housekeeping:
 - a. Inspect roof membrane, drains, gutters, and scuppers of debris.
 - b. Remove, bag and properly dispose of all debris from the roof membrane, drains, gutters and scuppers.

PART 2 - PRODUCTS

2.1 GENERAL

- A. Basis of Design: materials, manufacturer's product designations, and/or manufacturer's names specified herein shall be regarded as the minimum standard of quality required for work of this Section. All products are also 'or equal'. Comply with all manufacturer and contractor/fabricator quality and performance criteria specified in Part 1 and performance requirements in Part 2.

2.2 MANUFACTURERS

- A. The roofing materials specified in this Section is based upon Tremco, Inc. products named in other Part 2 articles. Subject to compliance with requirements, provide the named product or an approved comparable product.

2.3 ROOFING MEMBRANE PLY SHEETS

- A. Repair sheet set in cold adhesive. MB SBS Membrane Sheets: ASTM D 6162 Type III Grade S SBS/SEBS-modified asphalt coated composite polyester and glass-fiber-reinforced high strength sheet, smooth surfaced. **Basis of design product: Tremco, POWERply 300 Smooth.**
- B. Ply Sheet for resurfacing areas: High tensile trilaminate fabric constructed with a fiberglass scrim and 2

polyester mats laminated with an acrylic binder. Fabric is to be infused with a non-hazardous quick break additive that allows for rapid water release. **Basis of design product: Tremco, Rapid Set Reinforcing Fabric.**

2.4 FLASHING MATERIALS

- A. Base Flashing Sheet: ASTM D 4434, Type IV, internally fabric reinforced, uniform, flexible TPA sheet, CRRC listed and California Title 24 Energy Code compliant. **Basis of design product: Tremco, TPA Membrane.**
 - 1. Thickness: 45 mils, nominal.
 - 2. Exposed Face Color: White.
- B. Glass-Fiber Fabric: Woven glass-fiber cloth, treated with asphalt, complying with ASTM D 1668, Type I. **Basis of design product: Tremco, Burmesh.**
- C. Single Ply Membrane Bonding Adhesive, Low VOC: Elastomeric, low-VOC solvent- based contact-type adhesive for bonding TPA flashings. **Basis of design product: Tremco, TPA LV Bonding Adhesive.**
- D. Fluid Applied Flashing System: Polyurethane roof coating system, bio-based, low-odor low-VOC two-part, for use with as a fluid applied flashing. **Basis of design product: Tremco, Alphaguard Bio Base and Top Coat.**
 - 1. Polyester Reinforcing Fabric: 100 percent stitch-bonded mildew-resistant polyester fabric intended for reinforcement of compatible fluid-applied membranes and flashings. **Basis of design product: Tremco, Permafab.**
- E. Polyurethane Mastic: Single component, high solids, polyurethane mastic. **Basis of design product: Tremco, Solargard Seam Sealer.**
- F. Acrylic Patching and Seam Sealer: White, single-component high solids acrylic sealant, low-VOC, formulated for compatibility and use with specified roofing and wall substrates. **Basis of design product: Tremco, Solargard Acrylic Sealer.**
 - 1. Polyester Reinforcing Fabric: 100 percent stitch-bonded mildew-resistant polyester fabric intended for reinforcement of compatible fluid-applied membranes and flashings. **Basis of design product: Tremco, Permafab.**
- G. Metal Surface Primer: Single-component, water based primer to promote adhesion of base coat to metal surfaces. **Basis of design product: Tremco, Solargard Rust Primer.**
- H. Asphaltic Surfaces Primer: Single-component, multi-substrate primer to promote adhesion of base coat to surfaces recommended by manufacturer. **Basis of design product: Tremco, TremPrime WB.**

- I. Flashing Sheet Stripping Adhesive: ASTM D 7311, elastomeric, two-coat single- component moisture triggered polyurethane fluid-applied roofing product, with the following minimum physical properties: **Basis of design product: Tremco, Rock-It Adhesive.** Also utilize along with white rock for building up of low areas to reduce ponding.
- J. Elastomeric Roofing Mastic: One-part, asbestos-free, trowel-grade, elastomeric roof mastic specially formulated for compatibility and use with specified roofing membranes and flashings, with the following properties: **Basis of design product: Tremco, Polyroof LV.**
- K. Roof Cement, Asphalt-Based: ASTM D 4586, Type II, Class I, fibrated roof cement formulated for use in installation and repair of asphalt ply and modified bitumen roofing plies and flashings; UL-classified for fire resistance. **Basis of design product: Tremco, ELS.**
- L. Butyl Tape: manufacturer’s term bar sealant.
- M. Metal Roof Seam Tape: Foil faced tape laminated to a modified butyl rubber adhesive. **Basis of design product: Tremco, Polyfoil Tape.**
- N. Polyurethane sealant: manufacturer’s gun grade, moisture cured, one component polyurethane sealant. **Basis of design product: Tremco, TremSeal Pro.**

2.5 ADHESIVE MATERIALS

- A. General: Adhesive and sealant materials recommended by roofing system manufacturer for intended use and compatible with roofing membrane.
 - 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Ply / Repair Sheet Adhesive: One-part, solvent-free, asbestos-free, cold-applied adhesive specially formulated for compatibility and use with specified roofing membranes and flashings, with the following physical properties: **Basis of design product: Tremco, PowerPly Standard Cold Adhesive.**
- C. Adhesive for Rapid Set Fabric: Low odor SBR/Natural Rubber modified, asbestos free, non-fibered black water-based asphalt emulsion adhesive that meets the California’s South Coast Air Quality Management District requirements and is specifically design for use with specified ply sheets and meets the following minimum properties: **Basis of design product: Tremco, Tremlastic S.**

2.6 AUXILIARY ROOFING MEMBRANE MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing membrane.
- B. Fasteners: Factory-coated steel fasteners and metal plates meeting corrosion- resistance provisions in FMG 4470, designed for fastening roofing membrane components to substrate, tested by manufacturer

for required pullout strength, and acceptable to roofing system manufacturer.

- C. Miscellaneous Accessories: Provide miscellaneous accessories recommended by roofing system manufacturer.

2.7 METAL FLASHINGS

- A. Termination bar:

- 1. Aluminum bar:

- a. 1/8 x 1 inch (3.2 x 25.4 mm).

- B. Metal counter flashing extensions.

- C. T-Tops and piping through roof box:

- 1. Galvanized Steel: ASTM A 526-85, sheet steel with 1.25 oz./sq. (3.82 g/m²) Galvwash surfacing.

- a. Gauge: Twenty-four (24).

- b. Solder: ASTM B32-89, alloy grade 50A. Neutralize flux after soldering.

- D. Work shall be in accordance with Architectural Sheet Metal Manual, as issued by Sheet Metal and Air Conditioning Contractors' National Association, Inc., (SMACNA).

2.8 MECHANICAL FASTENERS

- A. Wood to wood:

- 1. Galvanized, common, annular ring nail.

- 2. Length: Sufficient to penetrate underlay blocking 1-1/4 inches (32 mm).

- B. Wood to masonry:

- 1. Anchor bolts, 1/2 inch (12.7 mm) diameter with 5/8 inch (15.9 mm) washer.

- C. Galvanized sheet steel to wood blocking:

1. FS FF-N-105B(3) Type II, Style 20, roofing nails; galvanized steel wire, flat head, diamond point, round, barbed shank.

2. Length: Sufficient to penetrate wood blocking 1-1/4 inches (32 mm) minimum.

D. Galvanized sheet steel to galvanized sheet metal. (Counterflashing extensions)

1. Self-tapping sheet metal screws of 1/2 inch length and a minimum #3 diameter, with 5/8" steel/EPDM washer under head.

E. Termination bar to masonry:

1. Lead masonry anchors.

2. Length: Sufficient to provide 1-1/4 inches (32 mm) embedment minimum.

F. Drawband:

1. Gold Seal stainless steel worm gear clamp by Murray Corporation, Cockeysville, MD.

2. Power-Seal stainless steel worm drive clamps by Breeze Clamp Company, Saltsburg, PA.

2.9 COATING MATERIALS

A. Metal Primer: Water based acrylic metal primer that provides a tough, flexible film for the protection of steel against corrosion. Must be VOC compliant. **Basis of design product: Tremco, Solargard Rust Primer.**

B. Metal Coating: Durable elastomeric acrylic weatherproofing coating that will accommodate metal roof movement. **Basis of design product: Tremco, Solargard 6083.**

C. Acrylic Roof Coating, Highly-Reflective Elastomeric: high-solids acrylic latex elastomeric roof coating formulated for use on bituminous roof surfaces; water-based, Energy Star qualified, CRRC listed and California Title 24 Energy Code compliant. **Basis of design product: Tremco, ICE Coating.**

PART 3 - EXECUTION

3.1 EXAMINATION

A. Remove and properly dispose of all roof debris, gutter debris, and failed repair material.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing repairs, and installation of material according to roofing system manufacturer's written instructions. Remove sharp projections, including protruding fasteners if unable to re-nail.
- B. Power wash roof systems to be restored with polyester and emulsion. Notify owner in writing if there are any drain plumbing leaks.
- C. During debris removal, and power washing, prevent materials from entering and clogging roof drains, and gutter downspouts, 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.
- D. Protection:
 - 1. Contractor shall be responsible for protection of property during course of work. Lawns, shrubbery, paved areas, and building shall be protected from damage. Repair damage at no extra cost to Owner.
 - 2. Roofing, flashings, membrane repairs, and insulation shall be installed and sealed in a watertight manner on same day of installation or before arrival of inclement weather.
 - 3. At start of each work day drains within daily work area shall be plugged. Plugs to be removed at end of each work day or before arrival of inclement weather.
 - 4. If existing roof system must be removed down to deck to ensure water tight repairs, work shall be limited to those areas that can be covered with installed repair/roofing material on same day and before arrival of inclement weather.
 - 5. Protect asphalt and concrete areas utilized for set-up with tarpaulin. Secure tarpaulin. Spilled or scattered debris shall be cleaned up immediately. Removed material to be disposed from roof as it accumulates.
 - 6. Contractor shall instruct and police workmen to ensure that mastics and coatings are not tracked onto concrete walkways.

3.3 REPAIRS GENERAL

- A. Perform roofing repairs in accordance with manufacturer's recommendations. Have specification and product data sheets on the job site.
- B. Repair details not addressed in specification shall be in accordance with NRCA roofing standards.

3.4 MEMBRANE REPAIRS

- A. Repair all splits, ridges, blisters, base flanges, nail pops, and any loose or weak spots in the existing system using a five-course application of elastomeric mastic and fiberglass reinforcement.
 - 1. Cut back any failed perimeter, or splits in membrane at edge metal joints 3" and fasten edge metal with pan head screws. Fill in using a five course application of elastomeric mastic, and fiberglass reinforcement, prior to coating.
 - 2. Cut ridges, and fasten with plates and screws prior to repairing.
 - 3. Surface all repairs with coating/granules/membrane matching existing roof system.

- B. Metal roof repairs:
 - 1. Wire brush and clean all fastener heads and seams of prior repairs and sealant. Prime fastener heads and seams with metal primer. Install new polyurethane sealant on fastener heads and acrylic mastic with polyester reinforcing fabric on seams.
 - 2. Wire brush rusted areas. Prime areas with metal primer and surface with metal coating.
 - 3. Remove repairs from metal flanges on curbs, vents, and other components. Clean and prime metal flanges. Five-course all metal flanges with acrylic mastic and polyester reinforcement.
 - 4. Install 22 gauge sheet metal over any holes in the metal roof system. Set metal in polyurethane sealant and strip in with a three course repair of acrylic mastic and polyester reinforcing material
 - 5. Remove and replace any expansion joint cap sections that are damaged beyond repair. Match size, type, style, and installation.

3.5 RESTORATION MATERIAL INSTALLATION

- A. Power wash area to receive emulsion and polyester.
- B. Prime cleaned roof areas to be reinforced per manufacturers recommendation.
- C. Cut ridges and mole runs flat and secure with plates and screws. Install 1/3 width and 2/3 width composite ply sheets set in solvent free adhesive over the areas.
- D. Cut back any failed perimeter, or splits in membrane at edge metal joints 3" and fasten edge metal with pan head screws. Tie in utilizing a composite ply sheet set in Cold Adhesive prior to application of cold adhesive.
- E. Prior to application of surface treatment system, contractor shall inspect roof with manufacturer's representative.

1. Apply 1 ply reinforced emulsion system where areas require large repairs to the deck to create a water tight system.
 - a. Apply surfacing emulsion in a uniform and continuous manner to primed roof areas per manufacturers recommendation.
 - b. Immediately embed rapid set polyester reinforcement into wet emulsion. Broom reinforcement to assure full adhesion in emulsion.
2. Install emulsion and ply to existing curbs and base flashings.
3. Extend plies into drain bowls.
4. Install additional ply behind curbs

3.6 FLASHING

A. General flashing requirements:

1. Elastomeric Flashing:
 - a. Adhere TPA completely to flashing surface, cant, and roofing with flashing adhesive. Prime surface as required. Apply adhesive in full coverage to both the substrate and to the back side of the flashing membrane. Allow adhesive to dry to the touch.
 - b. Apply consistent pressure to entire surface of TPA using a steel hand roller to achieve full adhesion of the sheet to the flashing substrate. Ensure complete bond and continuity without wrinkles or voids. Lap sheeting ends 4 inches. Fully heat weld flashing laps.
 - c. Seal horizontal edge of TPA with a five-course application of acrylic adhesive and fiberglass reinforcement.
2. Hot air heat welding of TPA:
 - a. Wipe both sides of lap surfaces to be joined with solvent approved by manufacturer.
 - b. Adjust welding equipment air temperature prior to start. Utilize steel roller or weighted wheel on automatic welding equipment to provide pressure on lap area during heat welding.
 - c. Maintain air nozzle temperature, nozzle speed, and lap pressure when joining laps together.
 - d. Test lap areas to assure proper bonding. Remove lap sample from the roof. When lap sample is cool, pull test lap apart. When torn, the reinforcing scrim should become exposed. Patch test areas with new TPA of the same color and style, using a minimum 2" lap area.
 - e. Wipe top of lap seams with approved solvent and apply silicone sealant. Tool sealant to a

coved bead.

B. Curbs and Wall Flashings:

1. Seal corners, laps, and any kick-holes with a three-course application of elastomeric mastic and fiberglass reinforcement.
 - a. Surface to match existing roof system.
2. Re-secure any loose base flashing at the vertical edge using skirt metal counterflashing secured at 8" o.c..

C. Edge Metal:

1. Cut back any loose membrane, or at splits in membrane at edge metal joints.
2. Resecure edge metal joints that are exposed when the membrane is cut back with three pan head screws.
3. Seal edge with five-course application of elastomeric mastic and fiberglass reinforcement.
 - a. Surface to match existing roof system.

D. Pipe Penetrations:

1. Reseal drawbands with polyurethane sealant. Replace if damaged or missing.
2. Seal base of pipe penetrations with elastomeric mastic
3. Surface to match existing roof system.

E. Coping Joints:

1. Wire brush open coping joints to remove failed repair material, and prime rusted areas with Solargard Rust Primer.
2. Seal joints with three course repair of Acrylic and Polyester reinforcing material.

F. Gutters:

1. Secure loose gutter sections.
2. Wire brush gutter system to remove contaminants. Clean gutters to remove all debris.

3. Prime with metal primer.
4. Seal joints with three course repair of acrylic and polyester reinforcing material.

G. Pitch Pockets:

1. Top off with pitch pocket sealer.

H. Drains:

1. Inspect roof drains for any broken components or drainage problems. If drainage problems are discovered, notify the Owner in writing, so owner can secure plumber to clear any drains that do not clear with standard water pressure.
2. Remove any broken drain bolts and replace.
3. Heat drain rings and tighten all bolts.

I. Pipe/conduits no longer sitting on their blocks shall be reset on and fastened to existing block.

1. Replace missing blocks with redwood 4 X 4 blocks and fasten.

3.7 COATING INSTALLATION

A. Apply coating per manufacturer recommendations over roof sections and flashings where polyester and emulsion are installed.

1. Back roll coating to insure an even application over all surfaces.
2. Roofs to be left clean.

B. Inspect duct work and pans for deficiencies resulting in potential water intrusion. Properly prepare surfaces per manufacturer's written instructions and prime with metal primer.

1. Seal all open seams and holes over metal with Polyfoil tape.
2. Seal open duct work seams with a three-course application of acrylic mastic and polyester reinforcement.
3. Seal mounting bolts with polyurethane sealant.

3.8 INSPECTION AND GENERAL PM WORK

- A. Metal Edge Flashing Components: Tears, splits, and breaks in the membrane flashings, open flashing strip-ins will be repaired with appropriate mastics and membranes. Metal edge cleats and clips will be re-secured. Exposed fasteners will be re-sealed.
- B. Parapet Wall and Counterflashing Systems: Tears, splits and breaks in the flashings. will be repaired with the appropriate repair mastics and membranes. Breaks, tears and splits in flashing strip-ins will be repaired with appropriate repair mastics and membranes. Coat all exposed reinforcing membranes with approved mastics. Exposed fasteners will be re-sealed. Void in termination bars, counterflashings and parapet caps will be cleaned and re-sealed. Re-secure termination bars and counterflashings. Check and re-secure loose metal coping caps to cleats.
- C. Equipment/Projection Flashing Components: Tears, splits and breaks in the flashings will be repaired with appropriate mastics and membranes. Open or split flashing strip-ins will be repaired with appropriate mastic and membrane. Unsecured roof top equipment will be secured. Exposed fasteners will be tightened and re-sealed. Termination bars and counterflashings will be sealed. All pitch pans will be refilled and topped off. Metal projections (hoods and clamps) will be checked and re-sealed.
- D. Roof Membrane Preventative Maintenance and Repair: Tears, splits and breaks in the roof membrane will be repaired with the appropriate repair mastic and membranes. All membrane repairs will follow the Manufacturer's written repair and maintenance guidelines. Dress up reflective coatings on flashings. Coat all exposed reinforcing membranes with approved mastics.

Drains, Gutters and Scuppers: Check and re-secure drain bolts and clamping rings. Advise owner of missing drain dome strainers. Check strip-ins around drain leads, coat with approved mastic. Check gutter straps, joints and strip-ins. Check inside and exterior of scuppers for open solder or caulking seals.

3.9 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing repairs on completion and submit report to Owner.
- B. Repair or remove and replace repair materials where test results or inspections indicate that they do not comply with specified requirements.

3.10 PROTECTING AND CLEANING

- A. Protect repaired and restored areas from damage and wear during remainder of construction period.
- B. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION

SECTION 075419 - POLYVINYL-CHLORIDE (PVC/TPA) ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Mechanically-fastened thermoplastic PVC/TPA roofing system on wood deck, including:
2. Substrate board.

B. Related Requirements:

1. Division 07 Section "Preparation for Re-Roofing".

1.3 DEFINITIONS

- A. Roofing Terminology: See ASTM D 1079 and glossary in NRCA's "The NRCA Roofing and Waterproofing Manual" for definition of terms related to roofing work in this Section.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.

B. Samples for Verification: For the following products:

1. Sheet roofing, including T-shaped side and end lap seam.
2. Roof substrate board fastener of each type, length, and finish.

1.5 INFORMATIONAL SUBMITTALS

- A. Contractor's Product Certificate: Submit letter, indicating products intended for Work of this Section, including product names and numbers and manufacturers' names, with statement indicating that products to be provided meet the requirements of the Contract Documents.

B. Qualification Data: For Installer, Manufacturer, and Roofing Inspector.

1. Include letter from Manufacturer written for this Project indicating approval of Installer.

C. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in "Performance Requirements" Article.

1. Product Compatibility: Indicate manufacturer has verified compatibility of roofing system components, including but not limited to: Roofing membrane, flashing sheets, adhesives, and sealants.

D. Product Test Reports: Based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for components of membrane roofing system.

E. Warranties: Unexecuted sample copies of special warranties.

- F. Inspection Reports: Daily reports of Roofing Inspector. Include weather conditions, description of work performed, tests performed, defective work observed, and corrective actions taken to correct defective work.

1.6 INFORMATIONAL SUBMITTALS

- A. Maintenance Data: To include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and certified by manufacturer, including a full-time on-site supervisor with a minimum of five years' experience installing products comparable to those specified, able to communicate verbally with Contractor, and employees, and qualified by the manufacturer to install manufacturer's product and furnish warranty of type specified.
- B. Manufacturer Qualifications: Approved manufacturer listed in this Section, UL listed for roofing systems identical to that specified for this Project, with minimum five years experience in manufacture of specified products in successful use in similar applications.
- C. Roofing Inspector Qualifications: A technical representative of manufacturer not engaged in the sale of products and experienced in the installation and maintenance of the specified roofing system, qualified to perform roofing observation and inspection specified in Field Quality Control Article, to determine Installer's compliance with the requirements of this Project, and approved by the manufacturer to issue warranty certification. The Roofing Inspector shall be one of the following:
 - 1. An authorized full-time technical employee of the manufacturer.
 - 2. An independent party certified as a Registered Roof Observer by the Roof Consultants Institute, retained by the Contractor or the Manufacturer and approved by the Manufacturer.
- D. Preinstallation Roofing Conference: Conduct conference at Project site.
 - 1. Meet with Owner, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
 - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
 - 3. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Examine substrate conditions and finishes for compliance with requirements, including flatness and fastening.
 - 5. Review structural loading limitations of roof deck during and after roofing.
 - 6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
 - 7. Review temporary protection requirements for roofing system during and after installation.
 - 8. Review roof observation and repair procedures after roofing installation.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.

- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.

1.9 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.
- B. Daily Protection: Coordinate installation of roofing so insulation and other components of roofing system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.
 - 1. Provide tie-offs at end of each day's work to cover exposed roofing and insulation with a course of roofing sheet securely in place with joints and edges sealed.
 - 2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing.
 - 3. Remove temporary plugs from roof drains at end of each day.
 - 4. Remove and discard temporary seals before beginning work on adjoining roofing.

1.10 WARRANTY

- A. Warranty, General: Warranties specified shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
- B. Manufacturer's Warranty: Manufacturer's standard or customized form, in which manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period. Failure includes roof leaks.
 - 1. Manufacturer's warranty includes roofing membrane, base flashings, fasteners, roofing membrane accessories and other components of roofing system specified in this Section.
 - 2. Warranty Period: 20 years from date of Substantial Completion.
- C. Installer's Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section and related Sections indicated above, including all components of membrane roofing such as single ply roofing membrane, base flashing, roof insulation, fasteners, cover boards, substrate boards, vapor retarders, roof pavers, and walkway products, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.
- D. Manufacturer Inspection and Preventive Maintenance Requirement: By manufacturer's technical representative, to report maintenance responsibilities to Owner necessary for preservation of Owner's warranty rights. The cost of manufacturer's annual inspections and preventive maintenance is included in the Contract Sum. Inspections to occur in Years 2, 5, 10 and 15 following completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Manufacturer/Product: The roof system specified in this Section is based upon products of Tremco, Inc. Provide specified products or approved equivalent products.
- B. Source Limitations: Obtain components for roofing system from same manufacturer as membrane roofing or manufacturer approved by membrane roofing manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed membrane roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Membrane roofing and base flashings shall remain watertight.
 - 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
 - 2. Impact Resistance: Roofing system shall resist impact damage when tested according to ASTM D 3746 or ASTM D 4272.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.
- C. Flashings and Fastening: Provide base flashings, perimeter flashings, detail flashings and component materials and installation techniques that comply with requirements and recommendations of the following:
 - 1. NRCA Roofing Manual (Sixth Edition) for construction details and recommendations.
 - 2. SMACNA Architectural Sheet Metal Manual (Seventh Edition) for construction details.
- D. Exterior Fire-Test Exposure: ASTM E 108, Class A; for application and roof slopes indicated, as determined by testing identical membrane roofing materials by a qualified testing agency. Materials shall be identified with appropriate markings of applicable testing agency.
- E. Fire-Resistance Ratings: Comply with fire-resistance-rated assembly designs indicated on Drawings. Identify products with appropriate markings of applicable testing agency.
- F. Energy Performance: Roofing system shall have an initial solar reflectance index of not less than 0.70 and an emissivity of not less than 0.75 when tested according to CRRC-1.

2.3 THERMOPLASTIC MEMBRANE MATERIALS

- A. Thermoplastic PVC/TPA sheet, ASTM D 4434 Type IV internally fabric reinforced, Energy Star qualified, CRRC listed, and California Title 24 Energy Code compliant.
 - 1. Tensile Strength at 0 deg. F (-18 deg. C), minimum, ASTM D 6509: 300 lbf/in (52 kN/m).
 - 2. Tear Strength at 77 deg. F (25 deg. C), minimum, ASTM D 6509: 100 lbf (440 N).
 - 3. Elongation at 0 deg. F (-18 deg. C), minimum at fabric break, ASTM D 6509: 25 percent.
 - 4. Minimum Thickness, nominal, ASTM D 751: 60 mils (1.5 mm).
 - 5. Exposed Face Color: White.

6. Reflectance, ASTM C 1549: 86 percent.
7. Thermal Emittance, ASTM C 1371: 0.86.
8. Solar Reflectance Index (SRI), ASTM E 1980: 108.
9. Recycled Content, minimum: 25 percent preconsumer.

- B. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement, and color as PVC/TPA sheet membrane.

2.4 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary membrane roofing materials recommended by roofing system manufacturer for intended use, and compatible with membrane roofing.

1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.

- B. Flashing Sheet Bonding Adhesive:

1. Elastomeric low-VOC solvent-based contact-type adhesive for bonding TPA non-fleece-backed single ply membranes and flashings to substrates.

- a. Basis of design product: Tremco, TPA LV Single Ply Bonding Adhesive.

- b. VOC, maximum, ASTM D 3960: <200 g/L.

- C. Polyisocyanurate: Rigid insulating board to be placed between standing seams, adhered to metal deck for roof installation.

- D. Low rise foam: For adhering of polyisocyanurate to metal deck.

- E. Fasteners: Factory-coated steel fasteners and metal plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening components to substrate, and acceptable to membrane roofing system manufacturer.

- F. Termination Joint Sealant: Silicone, S, NS, 25 or 50, NT: Single-component, nonsag, plus 25 to 50 percent and minus 25 to 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 25, Use NT, and compatible with adjacent materials.

- G. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

2.5 SUBSTRATE BOARDS

- A. Glass-mat-faced gypsum panel, ASTM C 1177/C 1177M.

1. Thickness: 1/4 inch.

- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening substrate board to roof deck.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of roofing system:
 - 1. Verify that roof openings and penetrations are in place and curbs are set and braced and that roof drain bodies are securely clamped in place.
 - 2. Wood Roof Deck: Verify that wood deck is securely fastened with no projecting fasteners and with no adjacent units in excess of 1/16 inch (1.6 mm) out of plane relative to adjoining deck.
 - 3. Existing Prepared Roof Substrate: Verify that existing insulation and substrate is sound and dry.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 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.
- C. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

3.3 INSTALLATION, GENERAL

- A. Install roofing system in accordance with manufacturer's recommendations.
- B. NRCA Installation Details: Install roofing system in accordance with the following NRCA Manual Plates and NRCA recommendations:
 - 1. Perimeter Edge, Draining: Plates TP-3A and TP-3AS.
 - 2. Gutter at Draining Edge: Plates TP-22 and TP-22S.
 - 3. Curb Detail at Rooftop HVAC Units, Premanufactured: Plates TP-12 and TP-12S.
 - 4. Penetration, Sheet Metal Enclosure: Plates TP-16 and TP-16S.
 - 5. Penetration, Stack Flashing: Plates TP-17 and TP-17S.
 - 6. Penetration, Plumbing Vent: Plates TP-18 and TP-18S.

3.4 SUBSTRATE BOARD

- A. Install substrate board with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows. Tightly butt substrate boards together.
 - 1. Secure substrate board using mechanical fasteners.
 - 2. Adhere substrate board to decking where fasteners will be visible on the underside of the decking.

3.5 MECHANICALLY FASTENED MEMBRANE ROOFING INSTALLATION

- A. Mechanically fasten membrane roofing over area to receive roofing and install according to roofing system manufacturer's written instructions.
 - 1. Install sheet according to ASTM D 5082.
 - 2. For in-splice attachment, install membranes roofing with long dimension perpendicular to steel roof deck flutes.
- B. Start installation of membrane roofing in presence of roofing system manufacturer's technical personnel.
- C. Accurately align membrane roofing and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- D. Mechanically fasten securely at terminations, penetrations, and perimeter of roofing.
- E. Adhere membrane over deck areas where mechanical fasteners will be visible on the underside of the decking.
- F. Apply membrane roofing with side laps shingled with slope of roof deck where possible.
- G. Welded Seams: Clean seam areas, overlap membrane roofing, and hot-air weld side and end laps of membrane roofing and sheet flashings according to manufacturer's written instructions to ensure a watertight seam installation.
 - 1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of sheet membrane.
 - 2. Verify field strength of seams a minimum of twice daily and repair seam sample areas.
 - 3. Repair tears, voids, and lapped seams in roofing that does not comply with requirements.

3.6 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories and adhere to substrates according to membrane roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

3.7 WALKWAY INSTALLATION

- A. Flexible Walkways: Install walkway products in locations indicated. Heat weld walkway products to substrate according to roofing system manufacturer's written instructions.

3.8 FIELD QUALITY CONTROL

- A. Roofing Inspector: Owner will engage a qualified roofing inspector to perform roof tests and inspections and to prepare test reports.
- B. Roofing Inspector: Contractor shall engage a qualified roofing inspector for a minimum of 5 full-time days on site to perform roof tests and inspections and to prepare start up, interim, and final reports. Roofing Inspector's quality assurance

inspections shall comply with criteria established in ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing."

- C. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- D. Repair or remove and replace components of membrane roofing system where inspections indicate that they do not comply with specified requirements.
- E. Additional inspections, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.9 PROTECTING AND CLEANING

- A. Protect membrane roofing system from damage and wear during remainder of construction period. When remaining construction will not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Owner.
- B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements; repair substrates; and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

End of Section

EXHIBIT B: SAMPLE AGREEMENT

THIS AGREEMENT is entered into as of December 11, 2019 in the City of Compton, County of Los Angeles, State of California, by and between COMPTON COMMUNITY COLLEGE DISTRICT, a California Community College District hereinafter "District" and _____ ("Contractor").

WITNESSETH, that the District and the Contractor in consideration of the mutual covenants contained herein agree as follows:

1. The Work. Within the Contract Time and for the Contract Price, subject to adjustments thereto pursuant to the Contract Documents, the Contractor shall perform and provide all necessary labor, materials, tools, equipment, utilities, services and transportation to complete in a workmanlike manner all of the Work required in connection with the work of improvement commonly referred to as Campus Roof Repair and/or Replacement. The Contractor shall complete all Work covered by the Contract Documents, including without limitation, the Drawings and Specifications prepared by the Architect and other Contract Documents enumerated in Paragraph 5 of this Agreement, along with all modifications and addenda thereto issued in accordance with the Contract Documents. The Architect for the Work is _____NA_____.

2. Contract Time. The Work shall be commenced on the date stated in the District's Notice to Proceed. The Contractor shall achieve Substantial Completion of the Work ___TBD_____ (___) days after the commencement date of the Work set forth in the Notice to Proceed.

3. Contract Price. The District shall pay the Contractor as full consideration for the Contractor's full, complete and faithful performance of the Contractor's obligations under the Contract Documents, subject to adjustments of the Contract Price in accordance with the Contract Documents, the Contract Price of _____TBD_____ Dollars (\$_____). The Contract Price is based upon the Contractor's Base Bid Proposal for the Work and the following Alternate Bid Items, if any: _____. The District's Progress Payments of the Contract Price shall be subject to retention withholdings equal to five percent (5%) of each Progress Payment ("Retention"). Retention withheld by the District shall be disbursed to the Contractor as part of the Final Payment due the Contractor.

4. Liquidated Damages. The Contractor shall be subject to assessment of Liquidated Damages if the Contractor: (i) fails to achieve Substantial Completion of the Work within the Contract Time, including adjustments thereto authorized by the Contract Documents; (ii) fails to submit Submittals in accordance with the Submittal Schedule; or (iii) fails to complete Punchlist items noted upon Substantial Completion within the time established to complete the Punchlist items. The per diem rate of Liquidated Damages assessed for each of the foregoing events is set forth in the Contract Documents.

5. Limitation on Damages. If the District breaches or defaults in its performance of its obligations under the Contract Documents, the damages, if any, recoverable by the Contractor shall be limited to general damages which are directly and proximately caused by said breach or default of the District and shall exclude any and all special or consequential damages. By executing this Agreement, the Contractor expressly acknowledges the foregoing limitation to the recovery only of general damages from the District if the District is in breach or default of its obligations under the Contract Documents. The Contractor expressly waives any right to and foregoes the recovery of any special or consequential damages from the District including, without limitation, damages for: (i) lost or impaired bonding capacity; and/or, (ii) lost profits arising out of or in connection with any past, present, or future work of improvement, except for the Project which is the subject of the Contract Documents; and/or (iii) loss of productivity.

6. The Contract Documents. The documents forming a part of the Contract Documents consist of the following, all of which are component parts of the Contract Documents:

00 01 00 Table of Contents

00 01 07 Certifications/Seals Page

00 01 12 DSA Form 103 Statement of Structural Tests & Inspections

00 11 13 Notice Calling for Bids, including Bid Addenda Nos. _____

Compton Community College District
RFQ CCC-060: Campus Roof Repair and/or Replacement

00 21 13 Instructions for Bidders

00 41 00 Bid Proposal

00 42 13 Alternate Bid Items Proposal Form

00 43 24 Pre-Bid Inquiry Form

00 43 36 Subcontractors List

00 45 13 Statement of Qualifications

00 45 19 Non-Collusion Affidavit

00 45 26 Certificate of Workers Compensation Insurance

00 45 27 Drug-Free Workplace Certification

00 52 00 Agreement

00 61 10 Bid Bond

00 61 13 Performance Bond

00 61 14 Labor and Material Payment Bond

00 62 90 Verification of Certified Payroll Records Submittal to Labor Commission

00 65 36 Guarantee Form

00 65 37 Contractor Certification of Subcontractor Claims

00 72 00 General Conditions

00 73 00 Special Conditions

Plans and Specifications

7. Notices. Notices of the District and Contractor to the other shall be transmitted in accordance with the Contract Documents. The effective date of notices transmitted in accordance with the Contract Documents shall be as set forth in the Contract Documents. Notices under the Contract Documents shall be addressed as follows:

If to the District:
Steve Haigler
Vice President, Administrative Services
Compton Community College District
1111 East Artesia Boulevard
Compton, CA 90221

If to the Contractor

:

8. Authority to Execute. The individual(s) executing this Agreement on behalf of the Contractor is/are duly and fully authorized to execute this Agreement on behalf of Contractor and to bind the Contractor to each and every term, condition and covenant of the Contract Documents.

CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, P.O. BOX 2600, SACRAMENTO, CALIFORNIA 95826

IN WITNESS WHEREOF, this Agreement has been duly executed by the District and the Contractor as of the date set forth above

DISTRICT"

Compton Community College District

By: _____

(Name Printed or Typed)

Title: _____

"CONTRACTOR"

[Contractor Name]

By: _____

(Name Printed or Typed)

Title: _____