Rio Hondo Community College District
Contract Management and Vending Services
3600 Workman Mill Road, A-103
Whittier, CA 90601-1699

February 14, 2023
Addendum No. 4
Bid No. 2090: Re-Roofing of Science Building Project

To: All Prospective Bidders

THE FOLLOWING REVISIONS AND/OR CLARIFICATIONS SHALL BE MADE TO THE BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS. REVISE AND AMEND THE DOCUMENTS FOR THE ABOVE NAMED PROJECT IN ACCORDANCE WITH THIS ADDENDUM. THE BID SHALL REFLECT THESE ADDENDUM CHANGES AND EACH BIDDER SHALL MAKE REFERENCE IN THEIR BID TO THIS ADDENDUM. ALL BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS SHALL APPLY TO THIS ADDENDUM AS ORIGINALLY INDICATED IN THE APPLICABLE PORTIONS OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE MODIFIED BY THIS ADDENDUM.

Acknowledge receipt of this Addendum No. 4 in the space provided on the Bid Proposal Form. Failure to do so may result in the bid being deemed non-responsive.

The Addendum consists of the following changes:

1. **ADMINISTRATIVE ITEMS; Bidding Documents:**
   1.1. **CHANGE:** Change the time and date by which Pre-bid clarification Requests shall be filed in Addendum No. 3, to 2:30 PM, February 21, 2023.

2. **PLANS AND SPECIFICATIONS**
   2.1. ANSWERS TO PRE-BID REQUESTS FOR CLARIFICATIONS
      2.1.1. **ADD:** Add the attached "Answers to Pre-Bid Clarifications" attachment.
   2.2. SPECIFICATION 07 5216
      2.2.1. **CHANGE:** Remove Section 3.08, A, and related material schedule and replace it with the following:

3.08 OFCI CMAS ROOFING MATERIAL

A. The listed roofing materials and quantities below shall be supplied by the owner. These materials are a final list of type and quantity. Any material types or quantities specified herein but not listed below shall be the responsibility of the roofing contractor to purchase from the

manufacturer. Contractor shall contact the manufacturer for pricing and all applicable costs to deliver materials including tax and transportation.

RHCC SCIENCE CMAS				
	Coverage/Unit Size	Product #	CMAS Line	Quantity
KEE Stone 60 FB cap sheet	400 sqft 8'x50'	9500-50	33	110
KEE Stone 60 Flashing	200 sqft 4'x50'	9501-or NF	34	30
KEE Lock mastic	3 gallon pail	7303-3	563	6
KEE Stone utility roll	6'x50	9504	35	30
Stressbase 80 premium	150 sq. ft./roll	4113	879	300

2.3. SCOPE OF WORK

2.3.1. ADD: Add the attached "Supplemental Scope of Work" document, roof plan and scupper photograph.

2.3.2. ADD: Add the attached Scupper detail.

2.3.3. ADD: Add the attached "LIMITED ASBESTOS INSPECTION Environmental Report".

END OF ADDENDUM NO. 4

RHC SCIENCE BUILDING NEW ROOF

ANSWERS TO PRE-BID CLARIFICATION REQUESTS

February 14, 2023

1. RFC 1.1 - Q. During the job walk, the perimeter sections were said to have light weight concrete. Will the LWC remain or be removed to the concrete deck?

   A. Perimeter lightweight crickets to remain, membrane roofing attached to be removed.

2. RFC 1.2 - Q. Please confirm the period of performance is still 49 days.

   A. Confirmed. 49 days.

3. RFC 1.3 - Q. If bad plywood is found during demo, how will replacement be handled? Will it be a change order, or should we include a per piece price in our bid?

   A. There are no sections on roof with plywood decking.

4. RFC 1.4 - Q. Will this section be completely removed to the substrate now? (small roof with skylight)

   A. Section will be overlaid with ½" densdeck prime, adhered, and roofing system on top. Skylight shall be removed and replaced with like and kind and size dome.

5. RFC 1.5 - Q. Does the roof require a full tapered system? Or just between scuppers?

   A. There will be no taper or crickets. Existing perimeter lightweight crickets to be overlaid.

6. RFC1.6 - Q. Do you have as- builts or any roof plan for this project?

   A. See this addendum No. 4 for roof plan, site map and call-outs.

7. RFC 1.7 - Q. Specification 075216 - 1.05 - B- 7 - States that "All metal equipment flashings to receive ½" primed dens deck insulation board prior to any roofing installation". What is meant by this?

   A. Metal equipment flashing are not required to receive dens-deck. All curb units and wall shall have the KEE fleece-back membrane set in approved adhesive, may use generic FB adhesive, not hot asphalt.

8. RFC 1.8 - Q. Specification075216 calls for 22 gauge and 24 gauge metal to be installed. Which one is it?

   A. Coping shall be 24ga kynar 500 purchased from membrane manufacturer. Clad metal flashing shall also be 24ga generic pvc.

9. RFC 1.9 - Q. Will the OFCI material be stored on site before the project begins or at a third party insured storage area?

   A. Owner to coordinate with contractor for staging area during project. Contractor is responsible for offloading OFCI materials, staging, securing, and loading and handling materials all on site.

10. RFC 1.10 - Q. Will you provide us with a walkpad layout?

    A. Walkpad layout provided in this addendum No. 4, including site map and call out.

11. RFC 1.11 - Q. Will all the walls be wrapped with membrane?
    A. All walls shall be wrapped in KEE flashing membrane and may be adhered with a generic approved adhesive for smooth PVC flashing grades. Walls and flashings will not be adhered in hot asphalt.

12. RFC 2 – Q. Will we reuse the existing scuppers or replace with new? What material and gauge will they be if new?

    A. Existing scuppers shall be overlaid with fabricated 24 ga pvc clad metal as specified and called out in the addendum. Scuppers shall remain and be encapsulated with new fabricated 24 ga pvc clad metal. Clad piece shall be flashed onto walls and inserted into schedule 40 pipe on exit. Owner will remove the existing electrical conduit and relocate to field.

A.

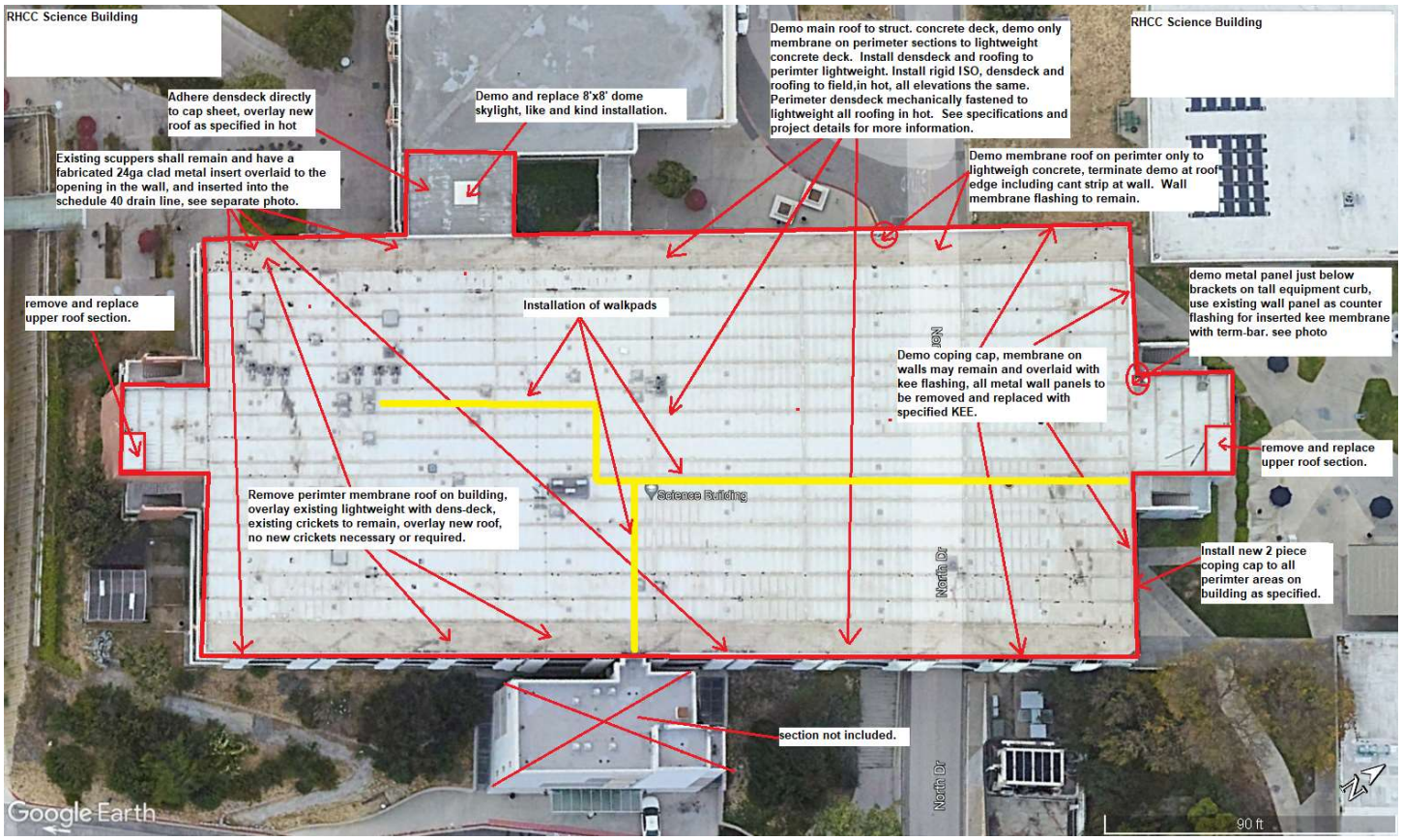

Encapsulate scupper to wall and field with KEE/Clad, line schedule 40 drain with fabricated clad metal.
Section to be demoed at red line.
Remove existing roofing to expose scupper.

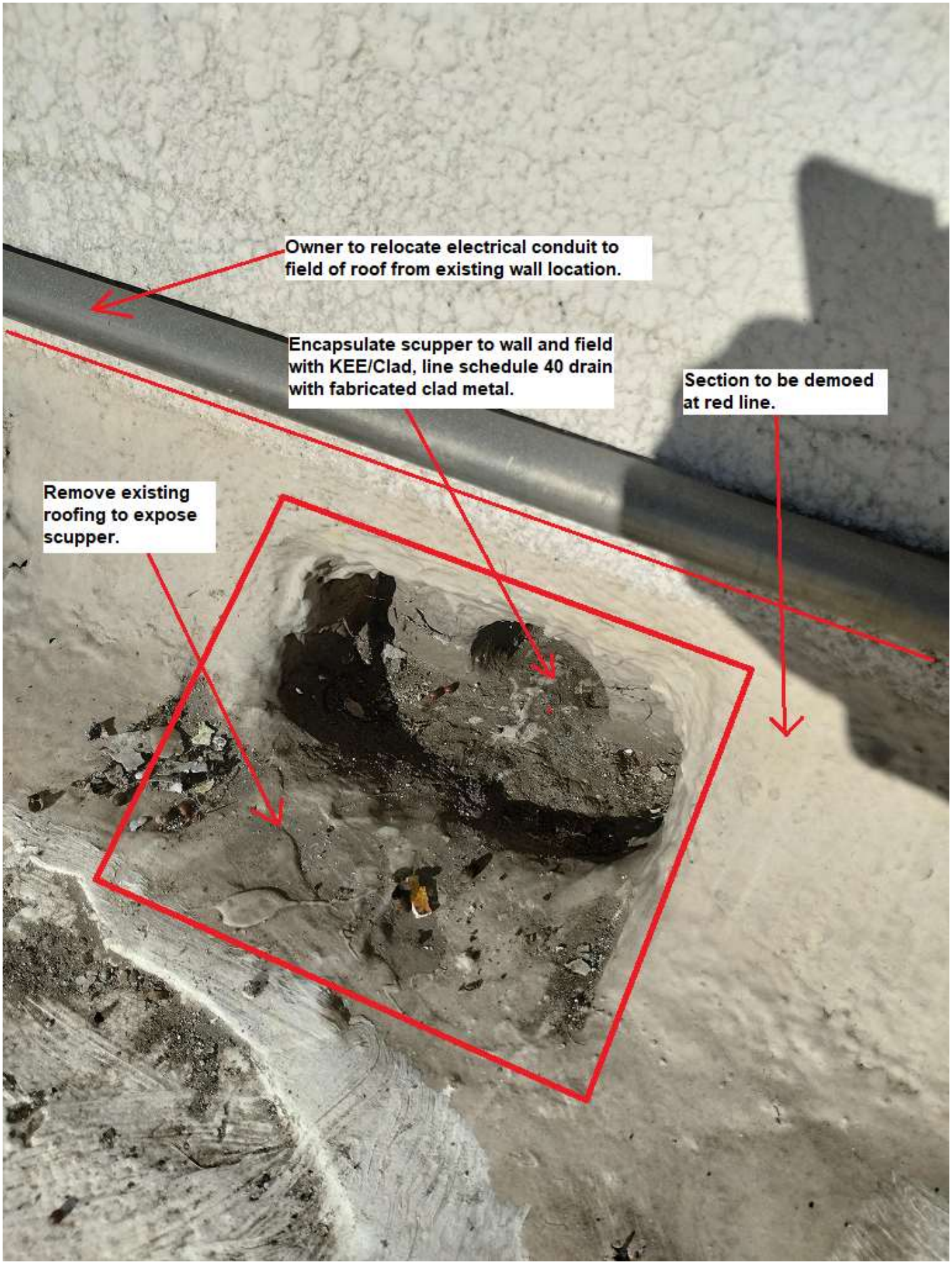
RHC - SCIENCE BUILDING NEW ROOF

SUPPLEMENTAL SCOPE OF WORK

2.14.2023

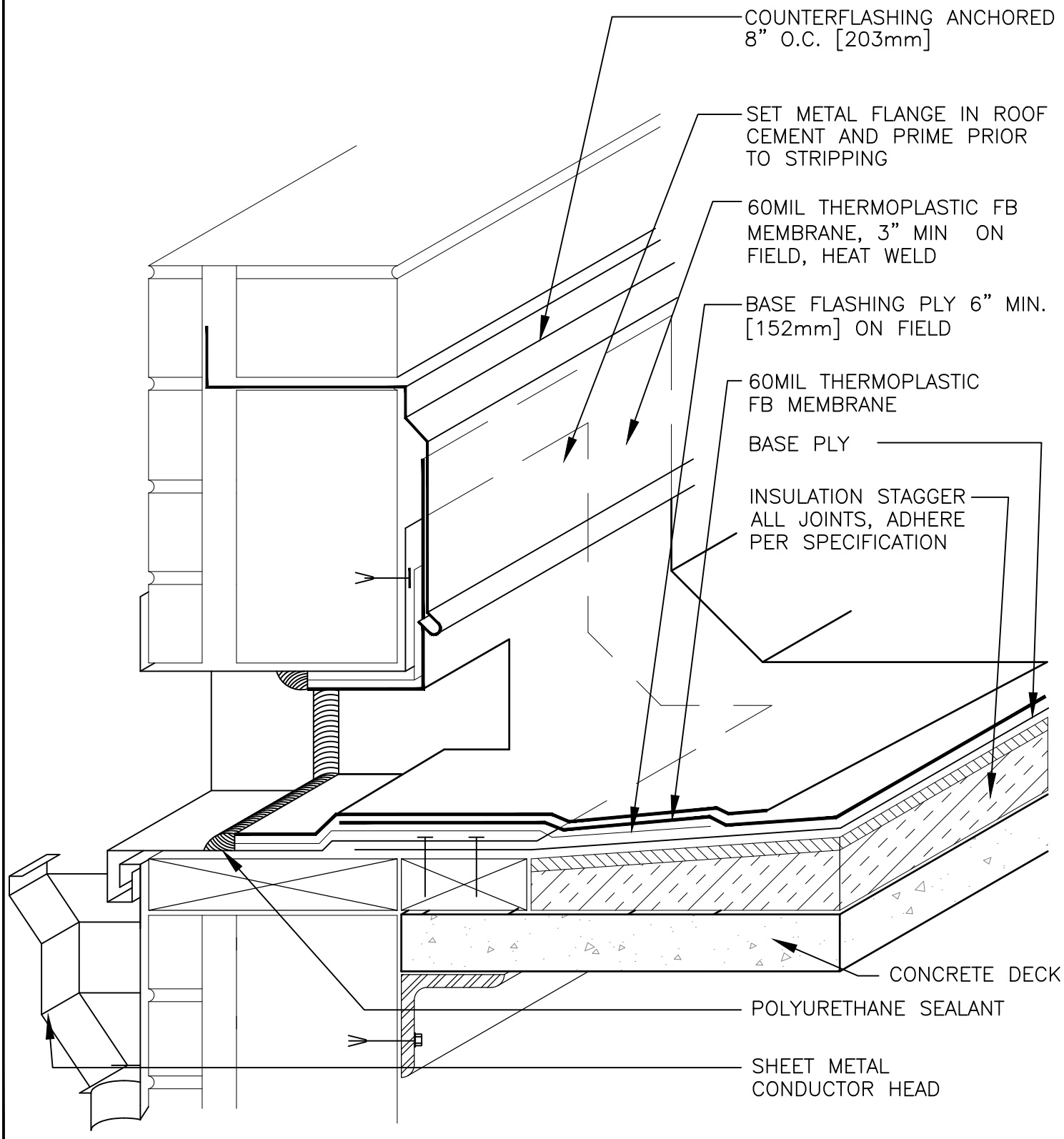
1. Existing hat channels of approximately 5000 lineal feet, are through fastened to concrete deck, 2' staggered throughout the roof. Fasteners must be removed from the deck, substrate must be 100% free of penetrations and debris.
2. Contractor shall replace existing thickness of insulation of field of roof, of approximately 3", with Iso board with fiberglass facer, hot mopped to deck, and ½" dens deck prime hot mopped. There will be no crickets or tapered insulation. Contractor responsible for a smooth transition from field roofing to perimeter scuppers and internal field drains.
3. Perimeter membrane roofing shall be removed to lightweight concrete. Lightweight and existing tapered crickets (lightweight) to remain. Membrane on wall may remain, scupper flashing materials shall be removed, cant strip shall be removed. Contractor is not required to taper insulation or add crickets. Field of roof shall have a smooth transition to perimeter and scuppers.
4. All wall sections and vertical curbs shall be installed with KEE smooth flashing and contractor supplied adhesive.
5. All perimeter wall sections shall receive a new 2-piece coping cap, 24 ga, kynar 500, flat sheets supplied by membrane manufacturer, purchased, and broken by contractor. District approved color.
6. All wall sections with metal panes (including but not limited to the North Building Pop-Out Area) shall be removed in their entirety and replaced with KEE Membrane flashing rolls.
7. Walls shall be wrapped in KEE flashing material, adhered with a generic flashing adhesive specific for wall flashing of smooth PVC membranes, as submitted and approved.
8. Replace all drain hardware with like and kind materials and installation as submitted and approved.
9. Membrane small roof section called out on plans shall be overlaid with dens deck prime, fully adhered, and roofed with the specified 2 ply system in hot asphalt. Skylight (8'x8') shall be replaced with like and kind material and installation type over existing curb.
10. Perimeter cameras shall be removed by the college, and reinstalled per manufacturer's instructions and details by district staff, flashed in by roofer with PMMA.
11. Perimeter conduit on walls shall be removed by college and reinstalled on roof. District responsible for proper support and pad on roof per manufacturer's details.
12. Final roofing over densdeck prime shall be a OFCI modified membrane, 1.5 square roll, hot mopped to densdeck, covered by a KEE fleece back roll, hot mopped (carefully) to modified membrane. All walls shall be smooth kee adhered with flashing adhesive, new cooping cap installed, scuppers encapsulated and flashing int with PVC clad metal, contractor submitted and approved for fabrication.
13. See the attached Roof Plan and Supper photograph for more Scope of Work requirements.


RHCC Science Building
Adhere densdeck directly to cap sheet, overlay new roof as specified in hot
Demo and replace 8'x8' dome skylight, like and kind installation.
Demo main roof to struct. concrete deck, demo only membrane on perimeter sections to lightweight concrete deck. Install densdeck and roofing to perimter lightweight. Install rigid ISO, densdeck and roofing to field,in hot, all elevations the same. Perimeter densdeck mechanically fastened to lightweight all roofing in hot. See specifications and project details for more information.
RHCC Science Building
Existing scuppers shall remain and have a fabricated 24ga clad metal insert overlaid to the opening in the wall, and inserted into the schedule 40 drain line, see separate photo.
Demo membrane roof on perimter only to lightweigh concrete, terminate demo at roof edge including cant strip at wall. Wall membrane flashing to remain.
demo metal panel just below brackets on tall equipment curb, use existing wall panel as counter flashing for inserted kee membrane with term-bar. see photo
remove and replace upper roof section.
Installation of walkpads
Demo coping cap, membrane on walls may remain and overlaid with kee flashing, all metal wall panels to be removed and replaced with specified KEE.
remove and replace upper roof section.
Remove perimter membrane roof on building, overlay existing lightweight with dens-deck, existing crickets to remain, overlay new roof, no new crickets necessary or required.
Science Building
North Dr
Install new 2 piece coping cap to all perimter areas on building as specified.
section not included.
North Dr
Google Earth
90 ft


Owner to relocate electrical conduit to field of roof from existing wall location.
Encapsulate scupper to wall and field with KEE/Clad, line schedule 40 drain with fabricated clad metal.
Section to be demoed at red line.
Remove existing roofing to expose scupper.

FILENAME: MB2HM-15

SCUPPER (THROUGH WALL)



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GARLAND since 1895

THE GARLAND COMPANY, INC.

GARLAND CANADA, INC.

THE GARLAND COMPANY UK, LTD

DETAIL:

SCUPPER (THROUGH WALL)

KEE HYBRID

CONFIDENTIAL AND PRIVILEGED

LIMITED ASBESTOS INSPECTION

3600 Workman Mill Road, Science Building

Los Angeles County
City of Whittier
State of California 90601

Volume I of I
February 2, 2023

Prepared for:

RIO HONDO COLLEGE
3600 Workman Mill Road
Whittier, CA 90601

NEC Project Number: 23-0052

NATIONAL ECON
CORPORATION

1899 S. SANTA CRUZ STREET
ANAHEIM, CALIFORNIA 92805
PHONE (714) 978-6320 FAX (714) 978-6323
EMAIL: OFFICE@NATIONALECON.COM

February 2, 2023

Rio Hondo College
3600 Workman Mill Road
Whittier, CA 90601

Re: 3600 Workman Mill Road, Science Building
Whittier, California 90601

To Whom It May Concern:

Pursuant to your request, National Econ Corporation's Representative, Mr. Judd Leach (Certified Asbestos Consultant #07-4250) completed a Limited Asbestos Survey on January 19, 2023, at 3600 Workman Mill Road, Science Building, Whittier, California. The following report summarizes the findings of this assessment. At the time of the inspection, no fire or structural damage was noted at this college building.

1.0 INTRODUCTION

This report summarizes the findings of National Econ Corporation's Limited Asbestos Survey at 3600 Workman Mill Road, Science Building (subject property/site) in Whittier, California. This survey was performed at the request of Rio Hondo College.

2.0 PURPOSE AND SCOPE OF SERVICES

Asbestos Surveys are performed to identify visible and/or readily accessible suspect friable and non-friable Asbestos Containing Building Materials (ACBMs) at a subject property. Friable ACBM as defined by the U.S. Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD) is material that when dry, can be easily pulverized, crushed or reduced to powder by hand pressure. Non-friable ACBM that can potentially be broken, crumbled, pulverized or reduced to powder in the course of demolition or renovation activities, are classified as either Class I or Class II, non-friable ACBM. These surveys are typically accomplished by, and limited to, a cursory site reconnaissance, a review of readily available building records, and a review of readily available asbestos Operation and Maintenance (O&M) plans.

In the event that suspected or known ACBMs exist at a given site, samples of the potential ACBMs may be obtained and analyzed. If, based upon the results of the Asbestos Survey, the presence of ACBMs are confirmed, recommendations for further investigations to evaluate the quantity and characteristics of these ACBMs and/or to manage their impact are required.

This Limited Asbestos Survey was conducted in accordance with the Scope of Services authorized by Rio Hondo College.

3.0 HISTORICAL DATA

No prior asbestos related documentation for the subject property was reviewed and/or made available.

4.0 VISUAL SURVEY AND SAMPLING METHODOLOGY

To identify suspected friable and non-friable ACBM, as required under California law, California Occupational Safety Health Administration (CAL-OSHA), Certified Site Surveillance Technicians (CSST) and/or Certified Asbestos Consultants (CAC) conducted a visual inspection and survey of the subject property.

During the survey National Econ Corporation identified homogeneous areas of suspected ACBMs for purposes of sampling in accordance with current CAL-OSHA requirements. These areas were defined with respect to similarities in appearance, age, use, type, color, and/or texture. The condition and estimated quantity of the suspected materials were also assessed. Based upon National Econ Corporation's observations, six (6) homogeneous materials of suspected ACBMs were identified. The materials in these areas include rubbery sealant, black sealant, edge roofing, parapet roofing, mastic, and duct sealant.

To evaluate the presence of asbestos in these suspected ACBMs, National Econ Corporation obtained eighteen (18) bulk sample which appeared to represent the homogeneous area (see Table I).

Amended water-spray wet methods were used during the collection of each friable sample, such as suspended ceiling tiles. National Econ Corporation conducted limited destructive sampling. After obtaining each sample, the sampling equipment was cleaned with a moist towelette. Each sample was sealed in a sample container and assigned a discrete sample identification number.

5.0 ANALYTICAL PROCEDURES AND RESULTS

The eighteen (18) samples obtained from the subject property were delivered to LA Testing (under chain-of-custody procedures) for analysis. LA Testing, located at 520 Mission Street, South Pasadena, CA 91030, telephone (323) 254-9960, is accredited by the National Institute of Standards and Technology (NIST) through participation in the National Voluntary Laboratory Accreditation Program (NVLAP, Lab Code #200232-0). The samples were analyzed for asbestos by PLM, using dispersion staining in accordance with U.S. EPA Procedures outlined in 40 CFR 763, Subpart F, Appendix A (AHERA). Asbestos volume estimates were made by the laboratory analyst using a stereomicroscope.

Based upon the analytical results, no asbestos was detected in the samples collected and analyzed.

Asbestos content of less than 1% (which is the federal standard utilized by testing laboratories) is detectable only in trace quantities utilizing PLM methods. The California (CAL/OSHA) definition of ACCM is materials that contain 0.1% of asbestos or any detectable asbestos must comply with all applicable provisions. A more definitive analytical method, such as Transmission Electron Microscopy (TEM) analysis or Point Count methods utilizing PLM analysis, which is capable of detecting asbestos below 1% and analysis of materials that are difficult to analyze through routine PLM analysis is available upon request. TEM analysis is often recommended in samples such as floor tile, which is found to be negative for asbestos content through PLM analysis.

6.0 DISCUSSION

Eighteen (18) bulk material samples were collected from 3600 Workman Mill Road, Science Building, Whittier, California, during the survey. Fifteen (15) of the eighteen (18) samples collected are considered non-friable.

Based upon the analytical results, no asbestos was detected in the sample collected and analyzed.

7.0 CONCLUSIONS

No asbestos was detected in the samples collected and analyzed at 3600 Workman Mill Road, Science Building, Whittier, California.

8.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This report is intended for the sole use of Rio Hondo College. The use or re-use of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of said user.

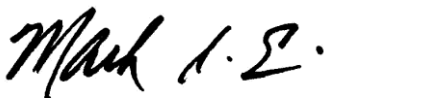
Services performed by National Econ Corporation were conducted in a manner consistent with that of the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive Scope of Services might fail to detect environmental liabilities on a particular site. Therefore, National Econ Corporation cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and has not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation of the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control.

National Econ Corporation trusts that the information presented herein provides the data you require. Should you have any questions or comments, please contact National Econ Corporation.

Respectfully submitted,
NATIONAL ECON CORPORATION



Mark S. Ervin, President
Certified Asbestos Consultant #92-0141

TABLE I
SURVEY SUMMARY

CLIENT: Rio Hondo College
LOCATION: 3600 Workman Mill Road, Science Building, Whittier, CA

DATE: February 2, 2023
SHEET: 1 of 3

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	HOMO (1)	ASBESTOS TYPE FOUND	%	S/T/M (2)	F/NF (3)	CONDITION	ACCESS-IBILITY	ESTIMATED QUANTITY
01 A	Rubbery Sealant	Roof Seams/Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
01 B	Rubbery Sealant	Roof Seams/Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
01 C	Rubbery Sealant	Roof Seams/Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
02 A-1	Black Sealant (Tar Mastic Like Layer)	Roof Field Under Metal/Foam	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
02 A-2	Black Sealant (Foam Layer)	Roof Field Under Metal/Foam	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
02 B-1	Black Sealant (Tar Mastic Like Layer)	Roof Field Under Metal/Foam	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
02 B-2	Black Sealant (Foam Layer)	Roof Field Under Metal/Foam	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
02 C	Black Sealant (Tar Mastic Like Layer)	Roof Field Under Metal/Foam	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 A-1	Edge Roofing (Membrane Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 A-2	Edge Roofing (Roofing Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 A-3	Edge Roofing (Insulation Like Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 B-1	Edge Roofing (Membrane Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 B-2	Edge Roofing (Roofing Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 B-3	Edge Roofing (Insulation Like Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 C-1	Edge Roofing (Membrane Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 C-2	Edge Roofing (Roofing Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
03 C-3	Edge Roofing (Insulation Like Layer)	Roof Edge	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 A-1	Parapet Roofing (Rubbery Sealant(Coating Like) Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A

Note: Be advised that any materials found to be asbestos containing are not limited to the areas in which the samples were collected. All like materials are to be included in any actions implemented.

LEGEND:

(1) HOMO= Homogeneous Material
Y=Yes (Homogeneous Material)
1-6=Homogeneous Area

(2) S= Surface Material
T= Thermal System Insulation
M= Miscellaneous Material

(3) F= Friable
NF= Non-Friable

NOTE: Unless otherwise specified, sample results above were determined by Polarized Light Microscopy (PLM) with dispersion staining.

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LOCATION: 3600 Workman Mill Road, Science Building, Whittier, CA

DATE: February 2, 2023

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	HOMO (1)	ASBESTOS TYPE FOUND	%	S/T/M (2)	F/NF (3)	CONDITION	ACCESS-IBILITY	ESTIMATED QUANTITY
04 A-2	Parapet Roofing (Roof Core Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 A-3	Parapet Roofing (Shingle Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 A-4	Parapet Roofing (Felt Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 B-1	Parapet Roofing (Rubbery Sealant(Coating Like) Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 B-2	Parapet Roofing (First Roof Core Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 B-3	Parapet Roofing (Second Roof Core Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 B-4	Parapet Roofing (Shingle Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 B-5	Parapet Roofing (Felt Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 B-6	Parapet Roofing (Insulation Like Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 C-1	Parapet Roofing (Rubbery Sealant(Coating Like) Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 C-2	Parapet Roofing (First Roof Core Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 C-3	Parapet Roofing (Second Roof Core Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 C-4	Parapet Roofing (Shingle Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 C-5	Parapet Roofing (Felt Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
04 C-6	Parapet Roofing (Insulation Like Layer)	Roof Parapet	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
05 A	Mastic	Roof Penetrations/ Seals	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
05 B	Mastic	Roof Penetrations/ Seals	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
05 C	Mastic	Roof Penetrations/ Seals	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A

Note: Be advised that any materials found to be asbestos containing are not limited to the areas in which the samples were collected. All like materials are to be included in any actions implemented.

LEGEND:

(1) HOMO= Homogeneous Material

(2) S= Surface Material
T= Thermal System Insulation
M= Miscellaneous Material

(3) F= Friable
NF= Non-Friable

NOTE: Unless otherwise specified, sample results above were determined by Polarized Light Microscopy (PLM) with dispersion staining.

TABLE I
SURVEY SUMMARY

CLIENT: Rio Hondo College
LOCATION: 3600 Workman Mill Road, Science Building, Whittier, CA

DATE: February 2, 2023
SHEET: 3 of 3

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	HOMO (1)	ASBESTOS TYPE FOUND	%	S/T/M (2)	F/NF (3)	CONDITION	ACCESS-IBILITY	ESTIMATED QUANTITY
06 A-1	Duct Sealant (First Duct Sealant Layer)	Roof Ducting	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
06 A-2	Duct Sealant (Second Duct Sealant Layer)	Roof Ducting	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
06 B	Duct Sealant	Roof Ducting	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
06 C-1	Duct Sealant (First Duct Sealant Layer)	Roof Ducting	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
06 C-2	Duct Sealant (Second Duct Sealant Layer)	Roof Ducting	Y	None Detected	N/A	N/A	N/A	N/A	N/A	N/A

Note: Be advised that any materials found to be asbestos containing are not limited to the areas in which the samples were collected. All like materials are to be included in any actions implemented.

LEGEND:

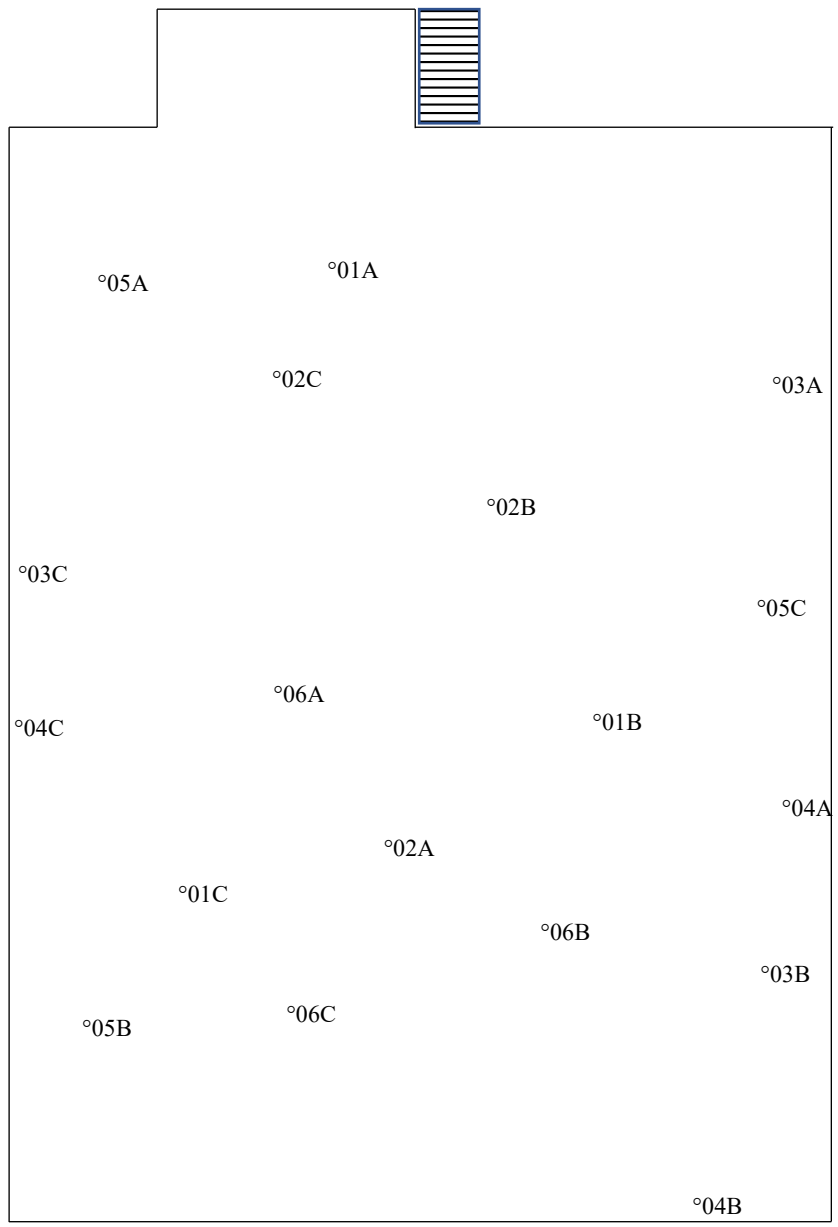
(1) HOMO= Homogeneous Material
Y=Yes (Homogeneous Material)
1-6=Homogeneous Area

(2) S= Surface Material
T= Thermal System Insulation
M= Miscellaneous Material

(3) F= Friable
NF= Non-Friable

NOTE: Unless otherwise specified, sample results above were determined by Polarized Light Microscopy (PLM) with dispersion staining.

3600 Workman Mill Road, Science Building



NOT TO SCALE

LA Testing

520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322301348
Customer ID: 32NATI55
Customer PO:
Project ID:

Attention: Results-
National Econ Corporation
1899 South Santa Cruz Street
Anaheim, CA 92805

Phone: (714) 978-6320
Fax:
Received Date: 01/19/2023 5:00 PM
Analysis Date: 01/20/2023
Collected Date: 01/19/2023

Project: 23-0052/ Rio Hondo - Science Bldg/ 3600 Workman Mill

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *322301348-0001*	Roof seams/ ledges - rubbery sealant	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01B *322301348-0002*	Roof seams/ ledges - rubbery sealant	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01C *322301348-0003*	Roof seams/ ledges - rubbery sealant	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02A-Tar Mastic Like *322301348-0004*	Roof field under metal foam - black sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02A-Foam *322301348-0004A*	Roof field under metal foam - black sealant	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B-Tar Mastic Like *322301348-0005*	Roof field under metal foam - black sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B-Foam *322301348-0005A*	Roof field under metal foam - black sealant	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02C-Tar Mastic Like *322301348-0006*	Roof field under metal foam - black sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03A-Membrane *322301348-0007*	Roof edges - edge roofing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03A-Roofing *322301348-0007A*	Roof edges - edge roofing	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
03A-Insulation Like *322301348-0007B*	Roof edges - edge roofing	Gray Non-Fibrous Homogeneous		20% Mica 80% Non-fibrous (Other)	None Detected
03B-Membrane *322301348-0008*	Roof edges - edge roofing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03B-Roofing *322301348-0008A*	Roof edges - edge roofing	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
03B-Insulation Like *322301348-0008B*	Roof edges - edge roofing	Gray Non-Fibrous Homogeneous		20% Mica 80% Non-fibrous (Other)	None Detected
03C-Membrane *322301348-0009*	Roof edges - edge roofing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03C-Roofing *322301348-0009A*	Roof edges - edge roofing	Gray/Black Non-Fibrous Heterogeneous	5% Synthetic 10% Glass	85% Non-fibrous (Other)	None Detected

Initial report from: 01/20/2023 15:36:35

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Customer ID: 32NATI55
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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
03C-Insulation Like *322301348-0009B*	Roof edges - edge roofing	Beige Non-Fibrous Homogeneous		20% Mica 80% Non-fibrous (Other)	None Detected
04A-Rubbery Sealant (Coating Like) *322301348-0010*	Roof parapets - parapet roofing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04A-Roof Core *322301348-0010A*	Roof parapets - parapet roofing	Gray/Black Non-Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04A-Shingle *322301348-0010B*	Roof parapets - parapet roofing	Gray/Black Non-Fibrous Heterogeneous	10% Synthetic 10% Glass	80% Non-fibrous (Other)	None Detected
04A-Felts *322301348-0010C*	Roof parapets - parapet roofing	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
04B-Rubbery Sealant (Coating Like) *322301348-0011*	Roof parapets - parapet roofing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B-Roof Core 1 *322301348-0011A*	Roof parapets - parapet roofing	Black Non-Fibrous Heterogeneous	10% Synthetic 5% Glass	85% Non-fibrous (Other)	None Detected
04B-Roof Core 2 *322301348-0011B*	Roof parapets - parapet roofing	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04B-Shingle *322301348-0011C*	Roof parapets - parapet roofing	Gray/Black Non-Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04B-Felt *322301348-0011D*	Roof parapets - parapet roofing	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04B-Insulation Like *322301348-0011E*	Roof parapets - parapet roofing	Beige Non-Fibrous Homogeneous		10% Mica 90% Non-fibrous (Other)	None Detected
04C-Rubbery Sealant (Coating Like) *322301348-0012*	Roof parapets - parapet roofing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04C-Roof Core 1 *322301348-0012A*	Roof parapets - parapet roofing	Black Non-Fibrous Heterogeneous	10% Synthetic 5% Glass	85% Non-fibrous (Other)	None Detected
04C-Roof Core 2 *322301348-0012B*	Roof parapets - parapet roofing	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04C-Shingle *322301348-0012C*	Roof parapets - parapet roofing	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04C-Felt *322301348-0012D*	Roof parapets - parapet roofing	Black/Beige Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04C-Insulation Like *322301348-0012E*	Roof parapets - parapet roofing	Beige Non-Fibrous Homogeneous		20% Mica 80% Non-fibrous (Other)	None Detected
05A *322301348-0013*	Roof penetrations/ seals - mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
05B *322301348-0014*	Roof penetrations/ seals - mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
05C *322301348-0015*	Roof penetrations/ seals - mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06A-Duct Sealant 1 *322301348-0016*	Roof ducting - duct sealant	White Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
06A-Duct Sealant 2 *322301348-0016A*	Roof ducting - duct sealant	Gray Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
06B *322301348-0017*	Roof ducting - duct sealant	Gray/White Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
06C-Duct Sealant 1 *322301348-0018*	Roof ducting - duct sealant	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06C-Duct Sealant 2 *322301348-0018A*	Roof ducting - duct sealant	Gray/White Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected

Analyst(s)

Kieu-anh Pham Duong (27)

Rafael Palacios (14)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Initial report from: 01/20/2023 15:36:35

#3223011348

NATIONAL ECON
CORPORATION

BULK SAMPLING FIELD SHEET COC (PLM)

Client/Project Name: Rio Hondo - Science Bldg Project #: 23-0052

Project Address: 3600 Workman Mill Date: 1-19-23

County: LA Year Built: Inspector:

	Sample ID	Material	Location	Other Locations	F/NF	Condition (G,F,P)	Access (H,M,L)	Quantity (SF/LF)
1	01A	Rubbery Sealant	Roof Seams/Edges		NF	G	L	~5000SF
2	B							
3	C							
4	02A	Black Sealant	Roof Field under metal & foam					~28,000SF
5	B							
6	C							
7	03A	Edge Roofing	Roof Edges		F			~6000SF
8	B							
9	C							
10	04A	parapet Roofing	Roof parapets		NF			~1300SF
11	B							
12	C							
13	05A	Mastic	Roof penetrations/seals					~500SF
14	B							
15	C							
16	06A	Duct Sealant	Roof Ducting					~60SF
17	B							
18	C							
19								
20								

Turn-Around Time X 24 Hour ___ 48 Hour ___ 72 Hour ___ Other ___ **Total Samples** ___

Sampled/Relinquished by:	Date	Time	Received by:	Date	Time
Judd Leach	1-19-23	1700	Annette McKissack (NEI)	01/19/23	1700

Judd Leach (714) 412-4034 Judd@nationalecon.com
1899 S. Santa Cruz Drive * Anaheim, CA 92805 * (714) 978-6320 Fax: (714) 978-6323

STATE OF CALIFORNIA Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos Certification
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

206290141C **8**

National Econ Corporation
Mark Shawn Ervin
1899 S. Santa Cruz Street
Anaheim CA 92805

June 03, 2022

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached

STATE OF CALIFORNIA Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health
Asbestos Certification & Training Unit
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

707304250C **305**

March 29, 2022

Judd D Leach
6720 Hillside Lane
Whittier CA 90602

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

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Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (Revised 06/2020)