• donald t. kan
civil engineer
rce 36676
• henry wong
civil engineer
rce 31008

skw & associates 永久
architecture ◦ engineering ◦ surveying

• david j. starck
architect
c 22903
• allan v. stevenson
civil engineer
rce 61758

July 14, 2017

BID DATE: July 20, 2017
BID TIME: 2:00:00 pm

File No.: 50-59
App. No.: 02 – 115801

ADDENDUM #2

To the PLANS and SPECIFICATIONS
for the

SYLVAN UNION SCHOOL DISTRICT

ORCHARD ELEMENTARY SCHOOL

Chiller Replacement & ADA Upgrades

GENERAL

The following addendum to the Plans and Specifications shall take precedence over and be amended to the original Plans and Specifications.

ITEM #0.1: Bid-Alternate #1 - *Clarification*: Base bid shall include paint at new doors (interior / exterior), door / louver infill, all new sheet metal piping enclosures and all other items specifically shown on drawings. Bid Alternate shall include all surfaces in base bid and all other exterior surfaces, including existing metal roofing. Bid 3 colors.

ITEM #0.2: Bid-Alternate #2 – *Clarification*: Counters in restrooms are exiting to remain. All other counters on site shall be replaced, including those shown in the base bid.

ITEM # 0.3: All contractors shall include an allowance of $10,000 in their bids to address grinding and caulking of existing concrete as shown on the drawings. Contractors shall bill against that allowance on a T&M basis, include a Unit Cost for this T&M work on the bid form, all remaining funds shall be credited back to the district at the end of construction.

ITEM # 0.4: All contractors shall include an allowance of $10,000 in their bids to address repairs associated with the existing sprinkler and irrigation lines in and around fencing, walkways and trees to be removed that are not specifically shown on drawings. Contractors shall bill against that allowance on a T&M basis, include a Unit Cost for this T&M work on the bid form, all remaining funds shall be credited back to the district at the end of construction.

SPECIFICATIONS:

ITEM #1.0: Section 00 73 56: HAZARDOUS MATERIALS: See attached Hazardous Materials Report in **APPENDIX "A"**

ITEM: #1.1: Section 33 51 00 NATURAL GAS PIPING: See attached **EXHIBIT "A"**

ARCHITECTURAL:

ITEM #2.0: Buildings C1, C2, & D, Classrooms: Contractor shall remove existing wall finish between existing studs at existing soffit above sink casework in order to install ductwork shown on sheets AC-2, AC-3, & AD-2. Remove wall finish at 1 stud bay per duct. Shear wall penetrations shall be per plan and Addendum #1, Item 1.1. Install new wall finish to match existing. Contractor shall be responsible for providing, patching and reinstalling all items to match existing wall finish and provide a smooth transition with existing finish. Contractor shall remove & re-install any other removed items in soffit. Prep & Paint Wall. Verify color with owner/architect.

ITEM #2.1: Sheet AB-1, *Clarification*: New Mechanical Yard on east side of building shall be constructed per detail 12/AB-2 and Addendum #1, Item 1.3.

ITEM #2.2: Clarification, *Countertops*: Top and exposed sides of replaced or new countertops / backsplashes shall be caulked at the countertop and backsplash transition to walls. Patch existing walls and provide a smooth finish matching existing finish. Prep & paint. Verify color with owner / architect.

ITEM #2.3: Sheet AA-1, Detail 10: Delete Notes #3 & #9

ITEM #2.4: Sheet AA-0, Scope Note D, *Clarification*: Only remove doors, floor coverings, ceilings & partitions as shown on plans, not all doors.

ITEM #2.5: Interior Paint, *Clarification*: Only new walls, doors, wall patching, and other interior surfaces specifically shown on drawings to receive shall receive paint.

ITEM #2.6: Concrete flatwork: Install control joints in concrete every 100 square. feet. Install felted expansion joint every 30 linear feet, at transitions from new to existing concrete, and at raised vertical obstructions per attached **EXHIBIT "B".**

ITEM #2.7: Wrought Iron Fencing, *Clarification*: All Wrought iron fencing / gates shall be 6'-0" high per detail 12/AS-2.

ITEM #2.8: Restroom Partitions, *Clarification*: Existing Restroom partitions are solid plastic Santana (Hiny Hiders) by Scranton Industries. Replaced partitions shall match existing. Provide a color sample to Owner / Architect for selection.

PLUMBING:

ITEM #3.0: Sinks in Casework: Remove existing sinks at modified sink locations shown on architectural plans. Reinstall existing sink & faucet in new casework. Provide new trap, caulking, tailpiece, gaskets, washers, & supply lines from existing wall per specifications. Sinks / lavatories & water closets in restrooms are existing to remain.

ITEM #3.1: Gas Meter: The contractor shall submit application & coordinate new gas meter installation with PG&E. Contractor shall be responsible for all permit fees.

ITEM #3.2: Sheet PC-1, PC-2, PD-1 & PD-2: On Sheets PC-1 & PD-1, existing condensate drain piping shall remain at removed air handler above workroom. On Sheets PC-2 & PD-2, condensate drains shown to drain to tailpiece of sink shall connect to existing condensate drain.

ITEM #3.3: Sheets MC-1 & MD-1: At classroom air handlers, existing hot & chilled water lines shall be capped in wall or at floor to create a flush condition. Patch, prep & paint wall to match existing.

ITEM #3.4: Sheet PS-2: Sawcut and remove min. 2'-0" wide site finish in service yard for gas line. Gas line shall be common trenched with new electrical lines per approved drawings. Patch back per specifications and details 3/P2-1 & 5/E3-0.

ITEM #3.5: Sheet PS-2 & PD-2: Gas line shall come into Building "D" at the northwest corner of the building at a similar location shown on sheet PC-2, not where shown on sheet PS-2 & PD-2. Gas line shall be run in attic space above classroom ceiling to mechanical platform as similarly shown on sheet PC-2. Sizing and additional information shall be per plan.

MECHANICAL:

ITEM #4.0: Detail 4/M2-2: Note stating, "20" HIGH UNIT PLATFORM. REFER TO DETAIL 11/S-2" should read "20" HIGH PLATFORM. REFER TO DETAIL 12/AC-3 ".

ITEM #4.1: *Clarification:* The in-duct smoke detectors shall be installed and connected to the existing fire alarm system by the low voltage sub-contractor.

ITEM #4.2: Buildings A, B, & E**:** It is the responsibility of the contractor to disassemble & remove existing equipment through existing access openings. Contractor shall patch any walls, ceilings, or other items damaged or removed during the demolition of existing equipment. All patching, finishes, and other items shall match existing.

ITEM #4.3: Buildings C1, C2 & D, *Clarification*: Mechanical ducts shall penetrate shear wall and soffit at locations and elevations shown on sheet AC-2.

ITEM #4.4: Sheet M0-1, Modulating VRF Heat Recovery Schedule: See attached EXHIBIT "C"

LANDSCAPING:

ITEM #5.0: Proposed Note 9, Sheet AS-1, *Clarification*: In addition to Proposed Note 9, Sheet AS-1. See attached **EXHIBIT "D".**

SPECIAL NOTE:
It is the responsibility of each Bidder to acknowledge all addenda on the BID FORM.

See the attached exhibits.

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SYLVAN UNION SCHOOL DISTRICT	JOB NO.: 16326
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE: 07/14/17
ADDENDUM #2 PLUMBING MATERIAL SPECIFICATIONS	PAGE: 1 OF 1

F: 50-59
A: 02-115801

PLUMBING MATERIAL SPECIFICATIONS

A. CONDENSATE DRAIN
PIPE: COPPER TYPE L PER ASTM B-88
FITTINGS: WROUGHT COPPER PER ANSI 16.22

B. NATURAL GAS (ABOVE GRADE - 2½" ¢ SMALLER)
PIPE: SCH 40 BLACK STEEL, THREADED PER ASTM A-53
FITTINGS: SCREWED MALLEABLE IRON PER ANSI B-16.3

C. NATURAL GAS (ABOVE GRADE - 3" ¢ LARGER)
PIPE: SCH 40 BLACK STEEL PER ASTM A-53
FITTINGS: CARBON STEEL BUTT WELD PER ASTM A234

D. NATURAL GAS - BELOW GRADE (G)
PIPE: MEDIUM DENSITY POLYETHYLENE TUBING PER ASTM D 2513
FITTINGS: HEAT FUSION FITTINGS PER ASTM D 2513
AN ELECTRICALLY CONTINUOUS INSULATED NUMBER 14 AWG YELLOW 0.064 INCH DIAMETER COPPER TRACER WIRE SHALL BE INSTALLED WITH AND ATTACHED TO UNDERGROUND NON-METALLIC GAS PIPING AND SHALL TERMINATE ABOVE GRADE AT EACH END.

REGISTERED PROFESSIONAL ENGINEER
ALLEN LAYMAN
130029
JUNE 30, 2018
MECHANICAL
STATE OF CALIFORNIA

EXHIBIT "A"

nexus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
HVAC . Plumbing/Piping . Fire Sprinklers
Process/Plant Engineering . Refrigeration

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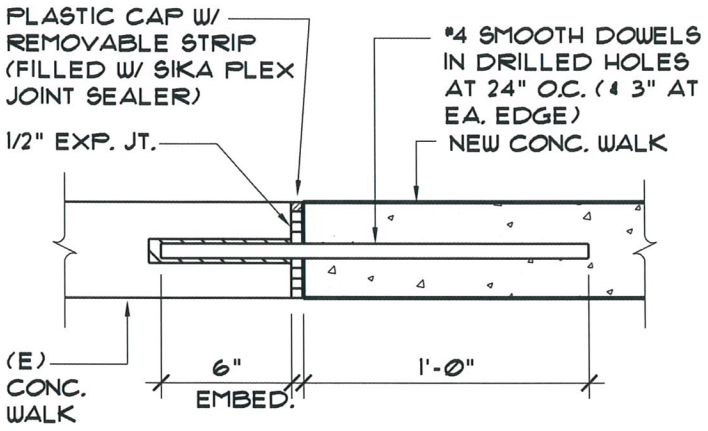
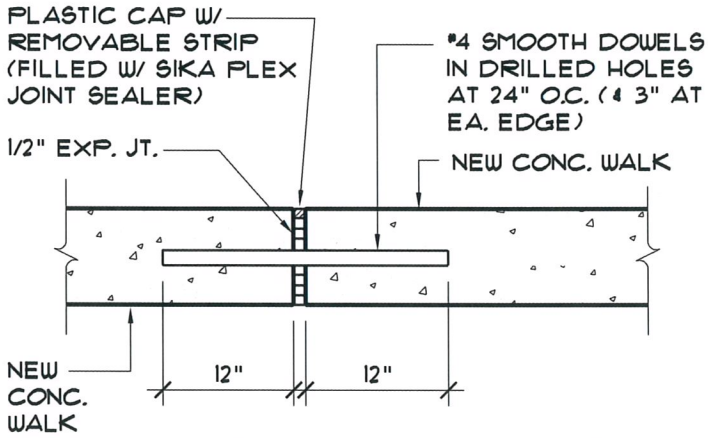
SYLVAN UNION SCHOOL DISTRICT	JOB NO.: 15M070
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE: 07/14/17
ADDENDUM #2 EXPANSION JOINT DETAILS	PAGE: 1 OF 1

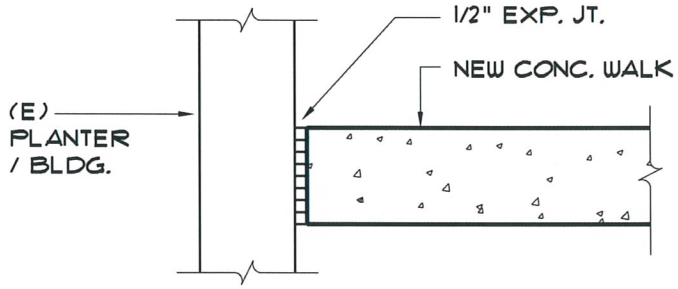
F: 50-59
A: 02-115801



1 EXP. JT. AT (E) TO NEW CONC.
1 1/2" = 1'-0"



2 EXP. JT. DETAIL (NEW CONC. TO NEW CONC.)
1 1/2" = 1'-0"



3 EXP. JT. AT PLANTER / BLDG.
1 1/2" = 1'-0"

EXHIBIT "B"

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SYLVAN UNION SCHOOL DISTRICT	JOB NO. : 16326
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE : 07/14/17
ADDENDUM #2 MODULATING VRF HEAT RECOVERY SCHEDULE	PAGE : 1 OF 1

F: 50-59
A: 02-115801

MODULATING VRF HEAT RECOVERY SCHEDULE

MARK NO.	MANUFACTURER & MODEL NUMBER	DESCRIPTION	HEATING CAPACITY	COOLING CAPACITY	EER RATING	COP RATING	ELECTRICAL				OP. WT. (LBS)	REMARKS
							MCA	MOCP	VOLT	PH		
HRU-1	TRANE #4TVR0192B400N	OUTDOOR HEAT PUMP	216.0MBH	192.0MBH	10.6 EER	3.21	37.5	50	460	3	750	SEE NOTES #1, #2 & #3
HRU-2	TRANE #4TVR0168B400N	OUTDOOR HEAT PUMP	189.0MBH	168.0MBH	10.6 EER	3.21	31.3	40	460	3	732	SEE NOTES #1, #2 & #3

NOTES:
1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67 DEG F (DB/WB).
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 45 DEG F (DB).
3. 8 HOUR PRE-INSTALLATION SITE INSPECTION, STARTUP AND COMMISSIONING, 8 HOUR OWNER TRAINING.

REGISTERED PROFESSIONAL ENGINEER
ALLEN LAYMAN
M30029
JUNE 30, 2018
MECHANICAL
STATE OF CALIFORNIA

EXHIBIT "C"

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Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
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www.nexusengineering.net
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Process/Plant Engineering . Refrigeration

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SYLVAN UNION SCHOOL DISTRICT	JOB NO. : 15M070
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE : 07/14/17
ADDENDUM #2 PARTIAL LANDSCAPE PLAN	PAGE : 1 OF 8

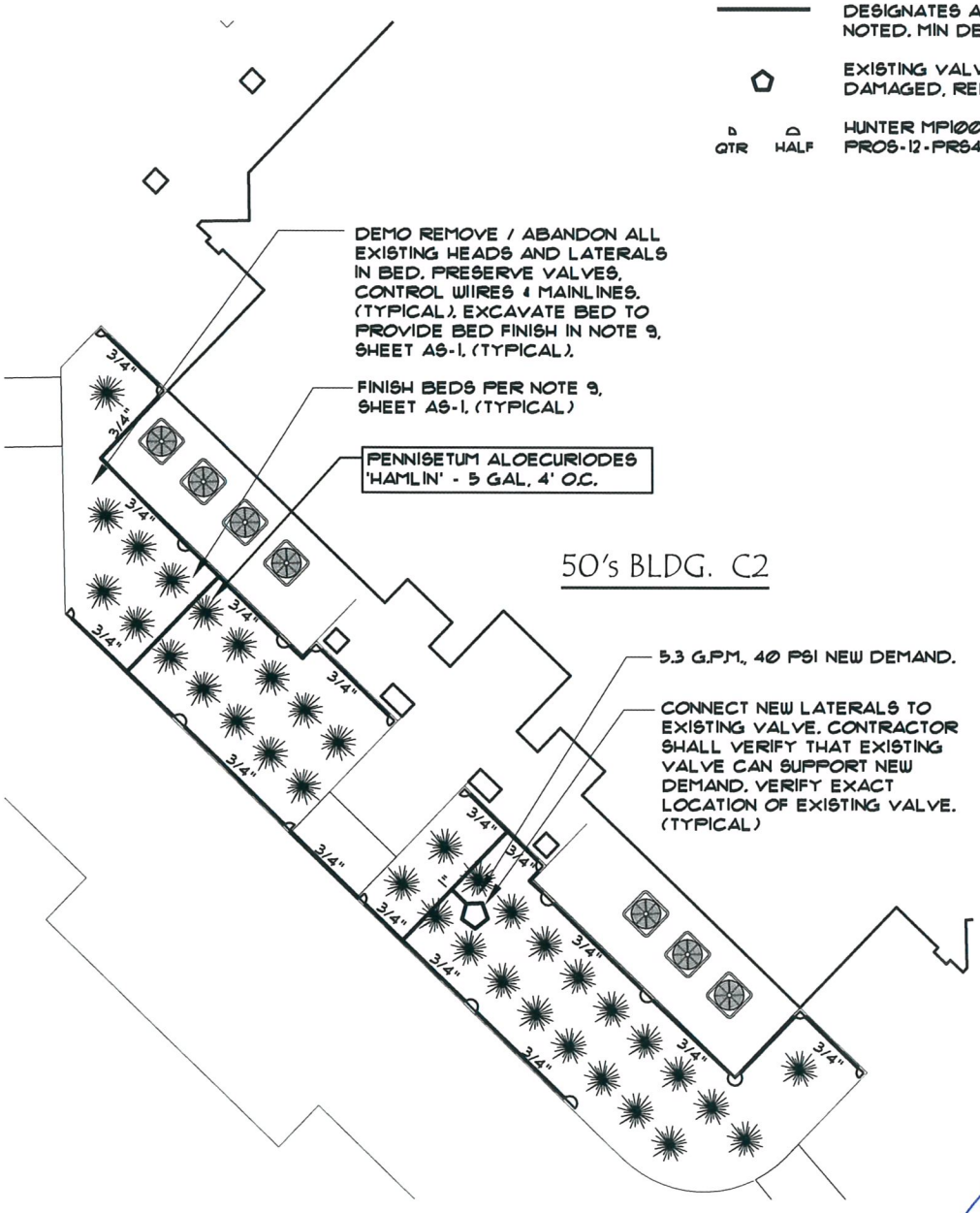
F: 50-59
A: 02-115801

IRRIGATION LEGEND

DESIGNATES A CL 200 PVC LATERAL WITH SIZE NOTED. MIN DEPTH OF 12".

EXISTING VALVE IN VALVE BOX. IF VALVE IS DAMAGED, REPLACE PER NOTE 9/AS-1.

QTR HALF — HUNTER MP1000 MP ROTATOR ON NEW 12" PROS-12-PRS40 SPRAY BODY. SEE PAGE 8.



NOTE:

SEE APPROVED PLANS FOR INFORMATION NOT SHOWN.

LICENSED ARCHITECT
DAVID J. STARCK
C-22903
REN. 12•31•17
STATE OF CALIFORNIA

PARTIAL LANDSCAPE PLAN

SCALE: 1/16 " = 1'-0"

EXHIBIT "D"

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SYLVAN UNION SCHOOL DISTRICT	JOB NO.: 15M070
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE: 07/14/17
ADDENDUM #2 PARTIAL LANDSCAPE PLAN	PAGE: 2 OF 8

F: 50-59
A: 02-115801

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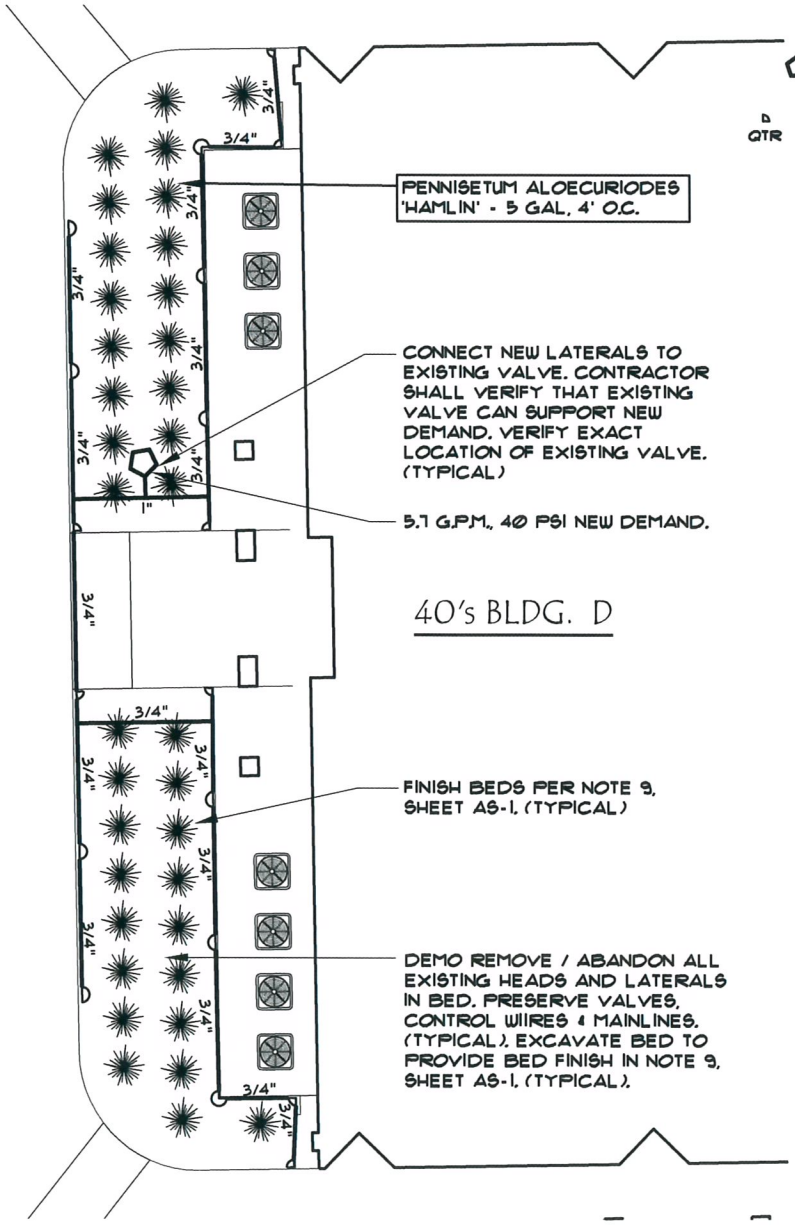
D QTR D HALF



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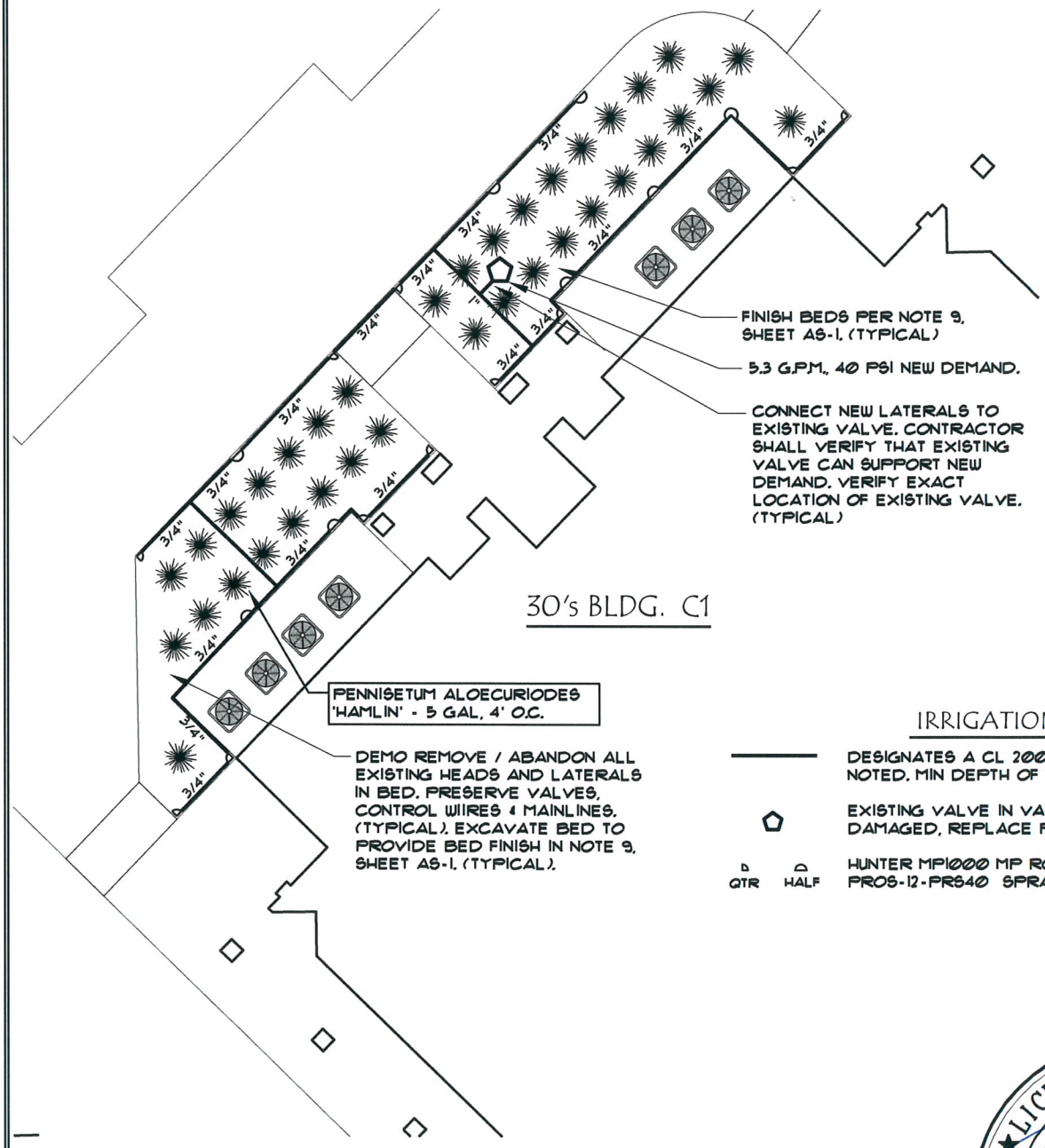
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE : 07/14/17
ADDENDUM #2 PARTIAL LANDSCAPE PLAN	PAGE : 3 OF 8

F: 50-59
A: 02-115801



IRRIGATION LEGEND

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⬠	EXISTING VALVE IN VALVE BOX. IF VALVE IS DAMAGED, REPLACE PER NOTE 9/AS-1.
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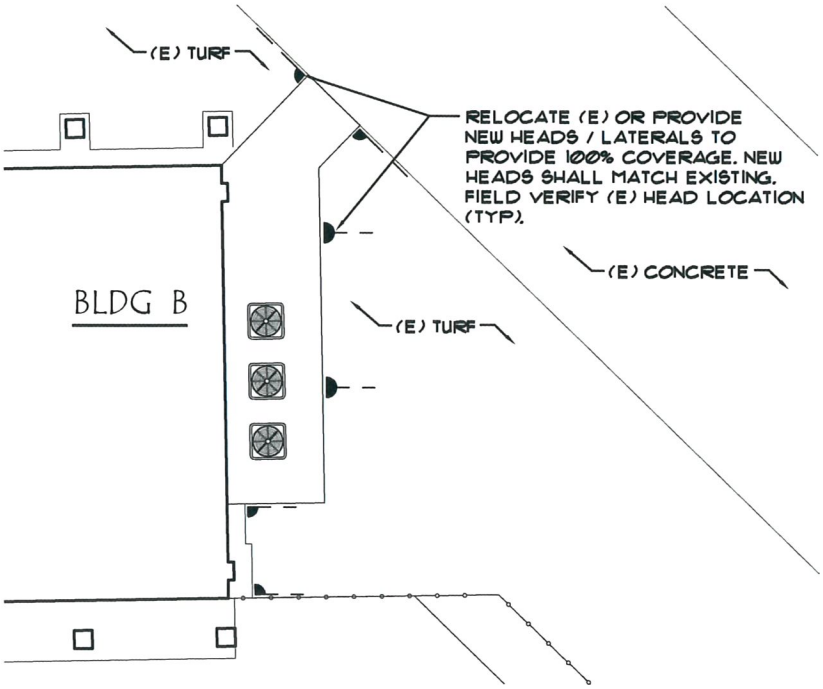
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE : 07/14/17
ADDENDUM #2 PARTIAL LANDSCAPE PLAN	PAGE : 4 OF 8

F: 50-59
A: 02-115801



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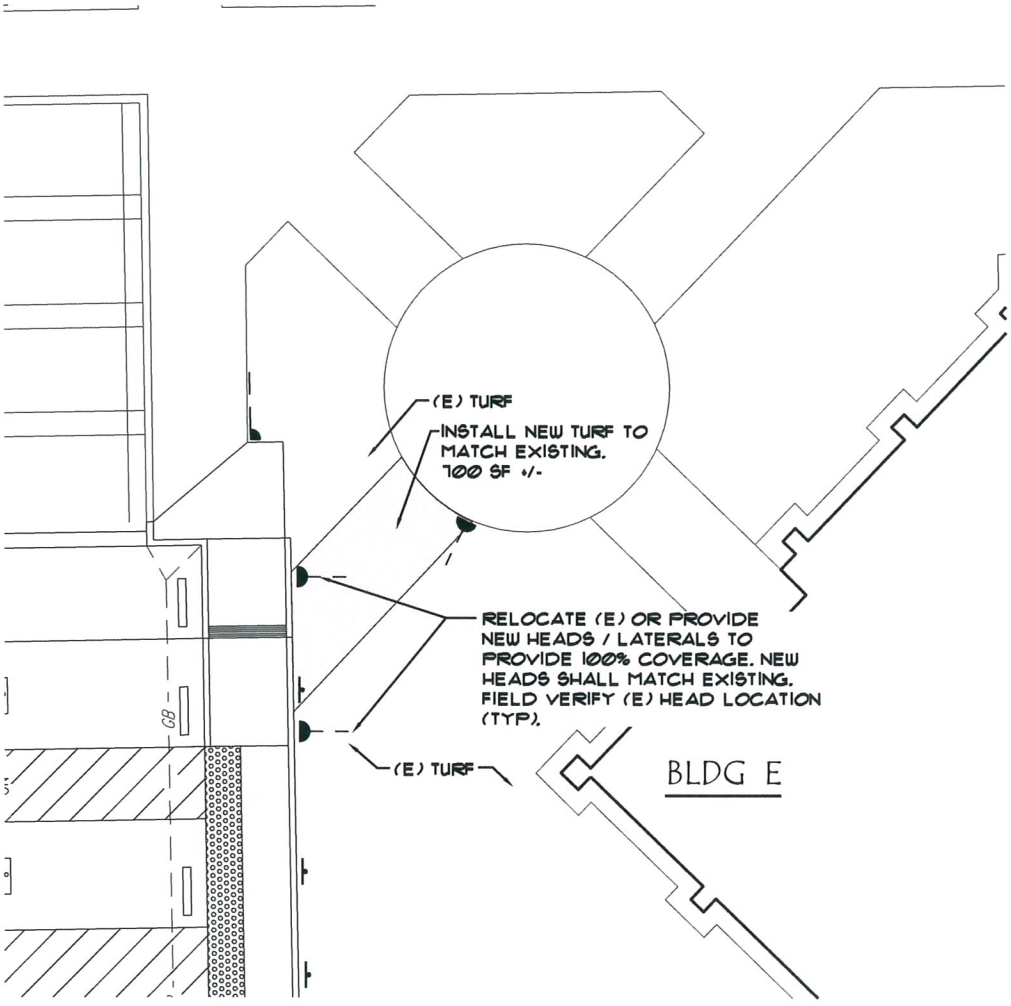
ADDENDUM #2 PARTIAL LANDSCAPE PLAN	PAGE: 5 OF 8

F: 50-59
A: 02-115801



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SYLVAN UNION SCHOOL DISTRICT	JOB NO.: 15M070
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE: 07/14/17
ADDENDUM #2 PLANTING NOTES	PAGE: 6 OF 8

F: 50-59
A: 02-115801

TYPICAL PLANTING NOTES

1. A MIN. OF 4 C.Y./1,000 COMPOST SHALL BE TILLED INTO ALL LANDSCAPED AREAS AND A SOILS ANALYSIS SHALL BE PERFORMED PRIOR TO INSTALLATION WITH PROOF OF INSTALLATION OF RECOMMENDATIONS FROM SOILS LABORATORY. (DELIVERY TAGS). CONTRACTOR SHALL PROVIDE COPY OF SOILS ANALYSIS AND PROOF OF INSTALLATION WITH THE CERTIFICATE OF COMPLETION.
2. AFTER THE INSTALLATION OF THE PLANT MATERIAL A PRE-EMERGENT WEED CONTROL PRODUCT SHALL BE APPLIED TO THE SOIL AREAS WHERE PLANTING OCCURS. CONTRACTOR IS TO APPLY PRE-EMERGENT WEED CONTROL PRODUCT IN COMPLIANCE WITH THE MANUFACTURER'S SPECS AND GUIDELINES AND ENSURE THAT IT DOES NOT ADVERSELY EFFECT THE PLANTING MATERIAL.
3. ALL PLANT MATERIAL SHALL BE IN A HEALTHY CONDITION, BE FREE OF NOTICEABLE DISEASES AND PESTS, AND BE WELL-DEVELOPED REPRESENTATIVES OF THEIR SPECIES AND VARIETIES. ALL PLANTING MATERIAL SHALL CONFORM TO THE STANDARDS SET BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. THE LANDSCAPE CONTRACTOR SHALL HAVE A SOIL FERTILITY TEST DONE WITH A REPUTABLE LAB. THE LANDSCAPE CONTRACTOR SHALL THEN SUBMIT A COPY OF THIS REPORT TO THE ARCHITECT. CHANGES IN AMENDMENTS SHOULD REFLECT THE RESULTS OF THIS TEST.
5. THE OWNER / ARCHITECT RESERVES THE RIGHT TO INSPECT ALL PLANTING MATERIAL PRIOR TO PLANTING.
6. THE LANDSCAPE CONTRACTOR SHALL SUBMIT A LIST OF ALL CHEMICALS TO BE USED ALONG WITH THE RATES OF APPLICATION TO THE OWNER.
7. AFTER THE INSTALLATION OF PLANT MATERIAL A SLOW RELEASE GRANULAR FERTILIZER APPLICABLE WITH THE NEWLY INSTALLED PLANT VARIETIES AND SITE SOIL CONDITIONS SHALL BE INCORPORATED INTO THE SOIL.
9. SUBSTITUTIONS ARE NOT PERMITTED EXCEPT WITH PRIOR WRITTEN APPROVAL.

EXHIBIT "D"

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SYLVAN UNION SCHOOL DISTRICT	JOB NO.: 15M070
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE: 07/14/17
ADDENDUM #2 IRRIGATION NOTES	PAGE: 7 OF 8

TYPICAL IRRIGATION NOTES

F: 50-59
A: 02-115801

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL CODES, ORDINANCES, STANDARD DRAWINGS & SPECIFICATIONS THAT APPLY TO THE CITY OF MODESTO.
2. THE IRRIGATION CONTRACTOR SHALL INSPECT THE SITE AND BE FAMILIAR WITH ALL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING A BID. THE IRRIGATION CONTRACTOR SHALL REVIEW RELATED DRAWINGS AND SHALL ENSURE COORDINATION WITH ALL APPLICABLE TRADES PRIOR TO SUBMITTING A BID. THE IRRIGATION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF SLEEVES THROUGH WALLS, UNDER ROADWAYS, STRUCTURES, ETC.
3. THE PLAN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING, AND ARCHITECTURAL FEATURES.
4. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS AND GRADE DIFFERENCES IN THE AREA EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING OF THE LANDSCAPE DRAWINGS. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
5. THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT PSI NOTED. THE CONTRACTOR IS TO PERFORM A STATIC AND DYNAMIC PRESSURE TEST: VERIFY AT LEAST40 PSI STATIC AND THEN RECORD THE PRESSURE READING AT 25 GPM. REPORT THE FINDINGS TO THE ARCHITECT. IN THE EVENT THAT THESE TESTS ARE NOT PERFORMED AND/OR THE RESULTS ARE NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT, THE CONTRACTOR SHALL ASSUME ALL LIABILITY.
6. PRIOR TO TRENCHING, CALL UNDERGROUND SERVICE ALERT AT: 811
7. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS/EMITTER LINES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, WALLS, AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CIRCUIT.
8. NOTIFY THE ARCHITECT OF ANY ASPECTS OF LAYOUT WHICH WILL PROVIDE INCOMPLETE OR INSUFFICIENT WATER COVERAGE OF PLANT MATERIAL. DO NOT PROCEED UNTIL THE ARCHITECT'S INSTRUCTIONS ARE OBTAINED.
9. THREAD SEALANT SHALL BE NON-HARDENING AND COMPATIBLE WITH PIPE. ALL PVC WELDS SHALL BE CUT SQUARE AND PRIMER SHALL BE USED.
10. WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, FIRE HYDRANTS, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING HEADS AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL PRESSURE TEST THE MAINLINE AT A MINIMUM OF 100 PSI FOR 2 HOURS.
12. CONTRACTOR SHALL PROVIDE A WATER COVERAGE CHECK OF ALL IRRIGATION HEADS PRIOR TO PLANTING. CONTRACTOR SHALL PERFORM AN IRRIGATION AUDIT FROM AN INDEPENDENT CERTIFIED IRRIGATION AUDITOR FOR EACH LOT.
13. CONTRACTOR SHALL GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF 1 YEAR AFTER THE DATE OF FINAL ACCEPTANCE.
14. CONTRACTOR SHALL INSURE THAT SLEEVES UNDER PAVEMENT/ CONCRETE ARE MARKED AT CURB, TO AID IN LOCATING THEM.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
16. WATERING CYCLES AND DURING DURING PRE-ESTABLISHMENT PERIODS SHOULD BE ADJUSTED PER PLANT PROVIDER'S RECOMMENDATIONS & GUIDELINES AND SHALL
17. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS AT THE END OF CONSTRUCTION TO THE OWNER AND INCORPORATED INTO THE CERTIFICATE OF COMPLETION.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
19. PRIOR TO THE INSTALLATION OF PLANT MATERIAL, LANDSCAPE CONTRACTOR SHALL SCHEDULE AN APPOINTMENT WITH ARCHITECT FOR AN IRRIGATION COVERAGE INSPECTION.

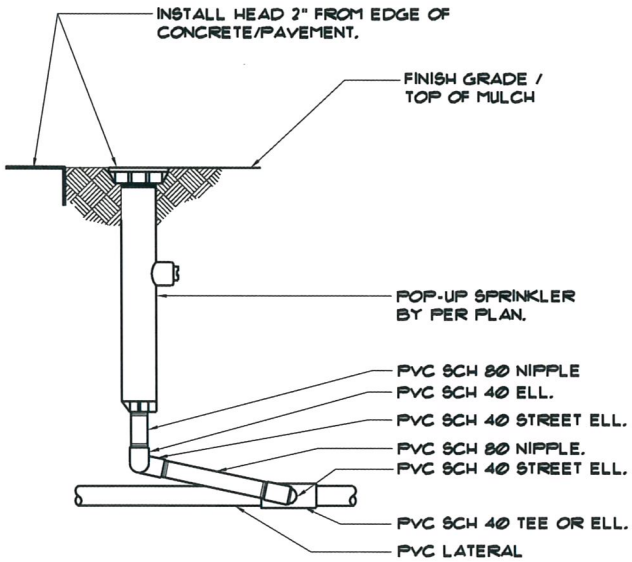
LICENSED ARCHITECT
DAVID J. STARCK
C-22903
REN. 12·31·17
STATE OF CALIFORNIA

EXHIBIT "D"

skw & associates 永久
architecture ◦ engineering ◦ surveying
2237 scenic drive, modesto, ca 95355 p: 209·523·8323 f: 209·529·7804

SYLVAN UNION SCHOOL DISTRICT	JOB NO. : 15M070
ORCHARD ELEMENTARY SCHOOL CHILLER REPLACEMENT & ADA UPGRADES	DATE : 07/14/17
ADDENDUM #2 SPRAY HEAD	PAGE : 8 OF 8

F: 50-59
A: 02-115801



LICENSED ARCHITECT
DAVID J. STARCH
C-22903
REN. 12·31·17
STATE OF CALIFORNIA

SPRAY HEAD
SCALE: NTS

EXHIBIT "D"

APPENDIX "A"

ProTech
Consulting & Engineering

1208 Main Street, Redwood City, CA 94063
P: (650) 569-4020 • F: (650) 569-4023 • E: info@protech-cal.com

Asbestos & Lead (Pb) Report

Limited Pre-Demolition/Renovation Survey & Evaluation

Date:	June 23, 2017	Project No.:	483-MA17
Requested By: (client)	Sylvan Union School District 605 Sylvan Avenue Modesto, California		
Project:	Orchard Elementary School 1800 Wisdom Way Modesto, California		
Project Description:	Elementary School		
Services Area(s):	Limited to the interior of buildings A, B, C1, C2, D & E.		
Exclusions:	Roofing and exterior are excluded.		

On June 14, 2017, ***ProTech Consulting & Engineering, Inc.*** performed a building survey to identify asbestos-containing materials (ACM) and presence of Lead based paint (Pb) at the subject project. The survey was conducted in an effort to comply with pre-demolition/renovation regulatory requirements.

Environmental consulting services were conducted by ProTech's licensed and accredited staff as follows:

Consultant	Discipline	Issuing Agency	Certification No.
Glen Koutz	Asbestos Lead	Cal OSHA CDPH	11-4830 2204
Emanuel Dounias	Asbestos Lead	Cal OSHA CDPH	00-2766 13059
Bob Newman	Asbestos IAQ	Cal OSHA UC Berkley	00-2767 10-03

Services Requested by Client

Asbestos Survey

Consulting services were limited by the client to the following scope of services:

- Performed a visual survey of the project to identify, document, and assess suspect asbestos-containing materials (ACM).
- Collected representative samples to confirm or rebut the presence of ACM.

- Submitted necessary samples to a certified laboratory for analysis by standard polarized light microscopy (PLM) to determine asbestos content.
- Assess the friability and abatement classification of identified ACM;
- Prepared this written report presenting an evaluation and assessment of the data.

ProTech is only responsible for the specific scope of work as stated. No other services are intended or implied.

LBP Survey

- Performed a visual survey of the project to identify, document, and assess suspect lead-based paint (LBP).
- Tested painted/coated surfaces using a calibrated X-ray fluorescence analyzer (XRF).
- Collected representative confirmational paint chip samples to confirm or rebut the presence of lead. Submitted paint chip samples to a certified laboratory for analysis.
- Prepared this written report presenting an evaluation and assessment of the data.

Results & Regulatory Assessment

Asbestos types are abbreviated as follows: Chr = Chrysotile; Amo = Amosite; Cro = Crocidolite; Tre = Tremolite; Act = Actinolite.

Asbestos-Containing Materials (ACM)

Material Description	Material, System, Location	Smpl nos.	Approx. Quant.	Lab Result	Regulatory Assessment	
					Cal OSHA	EPA/ AQMD
No asbestos detected in samples collected						

Non-Asbestos Materials

No asbestos was detected in the following materials.

	Material Description	Material Location(s)	Sample Numbers
	Bldg. A		
1.	White drywall, joint tape and compound with texture	Walls, throughout, ceilings in closets and restrooms and right corridor	01, 02, 03, 04, 05
2	Topping texture	Walls, throughout, ceilings in closets and restrooms and right corridor	06, 07, 08, 09, 10
3	White 2 x 4 suspended ceiling panels	Most work rooms Library Kitchen	11, 12, 13
4	White 2 x 2 suspended ceiling panels	Admin Adjacent cooridor Principals office	14, 15
5	Tan baseboard mastic	Throughout	16, 17
6	Gray sheet flooring	Murses office Copy /work room Janitors closet	18, 19, 20
7	Tan sheet flooring	Nurses restroom only	21
8	White splash panel mastic	Janitors closet Nurses restroom	22
9	Beige ceramic tile mastic	Men's and women's restroom walls	23
10	Gray ceramic tile mortar	Men's and women's restroom floors	24
11	Green 12 x 12 vinyl floor tile with mastic	Kitchen only	25
12	Yellow carpet mastic	below all carpet	26, 27
13	Black sink under coating	All metal sinks	28
14	White/silver pipe jacket	Over fiberglass insulation, most pipes above ceiling , most has	29, 30

		surface text overspray	
15	White HVAC joint tape	On ducts and mechanical equipment above ceiling	31, 32
Bldg. B			
1.	White drywall, joint tape and compound with texture	Walls and partial ceilings throughout	01, 02, 03
2	Topping texture	Walls and partial ceilings throughout	04, 05, 06
3	White 2 x 4 suspended ceiling panels	Throughout	07, 08, 09
4	Tan fibrous wood wall panels with mastic	Partial walls in classrooms	10, 11
5	Splash panel mastic	Restroom and janitors closet walls	12
6	Tan baseboard mastic	Throughout	13, 14
7	Light gray sheet flooring with	Classroom work areas & Sink areas Hall and kitchen janitors closet	15
8	Dark gray sheet flooring	Restroom	16
9	Yellow carpet mastic	Center work room and most of classrooms	17, 18
10	Black sink under coating	Metal sinks	19
11	White duct joint tape	Above ceiling mechanicals	20, 21
12	White pipe jacket	Above ceiling mechanicals	22, 23
Bldg. C			
1.	White drywall, joint tape and compound with texture	Walls throughout, classroom soffits, restroom ceilings	01, 02, 03, 04, 05
2	Topping texture	Walls throughout, classroom soffits, restroom ceilings	06, 07, 08, 09, 10
3	Smooth white drywall, joint tape and compound	Electrical panel closets only	11
4	White 2 x 4 suspended ceiling panels	Throughout excluding restrooms	12, 13, 14
5	Yellow carpet mastic	Below all carpet in classrooms and cooridor	15, 16
6	Beige ceiling tile mastic	Restroom walls	17
7	Gray ceramic tile mortar	Restroom floors	18
8	Light gray sheet flooring	Classrooms, work areas entries and storage closets	19, 20
9	Black sink undercoating	Metal sinks	21
10	Tan fibrouse wood wall panels with mastic	Parial classroom walls	22, 23
11	Tan baseboard mastic	Throughout	24, 25
12	White HVAC duct seam tape	Above ceiling	26, 27
13	Yellow splash panel mastic	Janitors closet	28
Bldg. C-2			
1.	White drywall, joint tape and compound with texture	Walls, throughout, ceilings in storage closets	01, 02, 03, 04, 05
2	Topping texture	Walls, throughout, ceilings in storage closets	06, 07, 08, 09, 10
3	Smooth white drywall, joint tape and compound	Electrical closets	11
4	White 2 x 4 suspended ceiling panels	Throughout excluding restrooms and storage closets	12, 13, 14
5	Tan fibrous wood wall panels with mastic	Partial classroom walls	15, 16
6	Splash panel mastic	Janitors sink station only	17
7	Tan baseboard mastic	Throughout	18, 19
8	Gray sheet flooring	Classroom entries	20, 21
9	Gray ceramic tile mortar	Restroom floors	22
10	White ceramic tile mastic	Restroom walls	23
11	Yellow carpet mastic	Below all carpets classrooms and corridor	24, 25
12	White HVAC	Ducts above ceilings	26, 27
13	Black sink under coating	Classroom sinks	28
Bldg. D			
1.	White drywall, joint tape and compound with texture	Walls throughout, soffits in classrooms, ceilings in restrooms and exterior storage rooms	01, 02, 03, 04, 05
2	Topping texture	Walls throughout, soffits in classrooms, ceilings in restrooms and exterior storage rooms	06, 07, 08, 09, 10
3	Smooth white drywall, joint tape and compound	Electrical closets only	11
4	White 2 x 4 suspended ceiling panels	Throughout excluding restrooms	12, 13, 14
5	Tan fibrous wood wall panels with mastic	Partial classroom walls	15, 16
6	Tan baseboard mastic	Throughout excluding restrooms	17, 18
7	Yellow carpet mastic	Below all carpet in classrooms and corridor	19, 20
8	Gray sheet flooring with yellow mastic	Classroom entries and work areas	21, 22
9	Beige cermic tile mastic	Restroom walls	23
10	Gray ceramic tile mortar	Restroom floors	24
11	Gray 12 x 12 vinyl floor tile with mastic	Electrical closets and storage rooms	25
12	Black sink under coating	All sinks	26, 27
13	White HVAC duct seam tape	Ducts	27, 29
14	Yellow splash panel mastic	Janitors closet	30
Bldg. D			
1.	White drywall, joint tape and compound with texture	Walls throughout, soffits in classrooms, ceilings in restrooms and exterior storage rooms	01, 02, 03, 04, 05

2	Topping texture	Walls throughout, soffits in classrooms, ceilings in restrooms and exterior storage rooms	06, 07, 08, 09, 10
3	Smooth white drywall, joint tape and compound	Electrical closets only	11
4	White 2 x 4 suspended ceiling panels	Throughout excluding restrooms	12
5	White 2 x 2 suspended ceiling panels	MUR left and right of stage	13, 14
6	Yellow splash panel mastic	Kitchen, janitors closet, exterior storage	15, 16
7	Gray carpet mastic	Stage and adjacent room and corridors	17
8	Gray sheet flooring and concrete float	Kitchen, janitors closet and exterior storage	18
9	Red pipe penetration caulking	Stage right	19
10	Beige baseboard mastic	Throughout excluding kitchen and restroom	20, 21
11	Beige ceramic tile mastic	Restroom walls	22
12	Gray ceramic tile mortar	Restroom floors main entry	23
13	Gray 12 x 12 vinyl floor tile with mastic	Exterior storage room	24
14	Black sink under coating	Exterior storage and kitchen	25

LEAD

Painted/coated surfaces were tested in the field using an X-Ray fluorescence (XRF) spectrum analyzer and/or sampled (paint chips) and submitted to a certified laboratory for analysis by atomic absorption spectroscopy (AAS). Lead paint samples fell in to 1 of 3 types - as follows:

Types of Lead Materials

LEAD TYPES	DEFINITION	LEAD CONTENT STANDARD
LBP	Lead-based paint (or material)	By XRF: 1 mg/cm^2 or greater By Paint Chip: 0.5 weight % or 5,000 mg/kg (at or above)
LCM	Lead containing material (or paint)	By XRF: <1 mg/cm^2 By Paint Chip: Below 0.5 wt % of 5,000 mg/kg
ND	No lead detected	By XRF: Requires paint chip confirmation By Paint Chip: No lead Detected or <0.006 wt %

Lead-Based Paint (LBP) – By XRF

XRF READINGS	• **1 (one)** XRF readings tested positive for lead-based paint/coating (see XRF report).	
SUMMARY OF LBP COMPONENTS	INTERIOR COMPONENTS	• BLDG. D CERAMIC FLOOR TILES AT MAIN ENTRY

Lead-Containing Material (LCM) – By XRF

XRF READINGS	• **10 (Ten)** XRF readings tested positive for low levels of lead (see XRF) report.	
SUMMARY OF LCM COMPONENTS	INTERIOR COMPONENTS	• SEE XRF REPORT

Non-Lead – By XRF

XRF READINGS	• **10 (Ten)** XRF readings tested negative (no lead detected) for the presence of lead (see XRF report). (Note: Cal OSAH does not accept XRF to prove "non-lead" – paint-chip lab analysis is required)

Paint-Chip – By Laboratory Analysis

Representative paint-chip samples were collected to confirm (or rebut) the presence of lead in materials the showed very low (or no) lead content by XRF analysis.

	Component Type/Description	Substrate	Sample No(s).	Results mg/kg (ppm)	Type
1	Gray drywall paint	Drywall	LP-01	<0.007	ND
2	Gray drywall paint	Drywall	LP-02	<0.007	ND
3	Tan drywall paint	Drywall	LP-03	<0.007	ND
4	Beige metal door paint	Metal	LP-04	<0.007	ND
5	Green wood sill paint	Green	LP-05	<0.007	ND

LEAD Regulatory Notes

Lead-Based Paint (LBP)

	Material Description	Regulatory Assessment Governing Regulations
1.	Lead-based paint components (LBP)	• Cal OSHA standards apply if LBP will be disturbed by employees/workers • CDPH standards apply of lead "abatement" is performed • DTSC requires characterization of waste and proper disposal • US EPA standards apply if LBP is disturbed in a children occupied site
2.	Lead containing materials (LCM)	• Cal OSHA standards apply if LCM will be disturbed by employees • CDPH standards apply if worker exposure standards are exceeded • DTSC requires characterization of waste and proper disposal
3.	No Lead Detected by XRF	• Cal OSHA standards apply unless paint chip laboratory analysis confirms non-lead
4.	No Lead Detected by Paint-chip	• No regulations apply

Regulatory Assessment Notes

California Occupational Safety & Health Administration (Cal OSHA):

• Regulates any detectable amount of lead (does not have to be LBP) when trigger tasks are performed
• Requires worker training
• Regulates employee safety during lead-related work
• Enforces proper work practices
• Requires notification when 100 sq ft (or more) of LBP is disturbed.

California Department of Public Health (CDPH):

• Regulates "abatement" of Lead-based paint
• Requires *accredited* training for workers and supervisors
• Provides certification of workers and supervisors performing abatement
• Mandates lead abatement be performed in accordance with US HUD guidelines
• Defines "abatement" as an action performed for the purpose and intent of reducing or eliminating a lead "hazard"
• Requires notification when abatement is performed

California Department of Toxic Substance Control (DTSC):

• Regulates disposal of lead waste
• Requires testing of waste stream to characterize hazard level

US Environmental Protection Agency (US EPA):
• Regulates Lead-based paint in child occupied facilities
• Regulates work involving the disturbance of as little as 6 sq ft of interior & 20 sq ft exterior LBP
• Requires *accredited* training for workers and supervisors
• Requires certification of companies performing LBP work
• Mandates minimal work practices

Lead Discussion

Lead-Based Paint & Lead Containing Materials

Lead-based paint (LBP) is defined as a material/coating/paint which contains a lead content at or in excess of 5,000 parts per million (PPM), 0.5% by weight, or 1 mg/cm^2 (by XRF). Materials containing a lead content below these levels are not considered LBP and are not considered a hazard by most regulatory agencies. However, the dust from materials containing low levels of lead can produce a lead hazard if enough lead dust accumulates.

Cal OSHA Trigger Tasks

Cal OSHA defines lead paint at the Consumer Product Safety Commission's (CPAC) level of 600 ppm for non-trigger tasks. However, Cal OSHA regulates **any detectable amount of lead** when trigger tasks are conducted.

The following table lists the Cal OSHA trigger tasks, presumed exposure and the type of respiratory protection that is required while performing those tasks:

Cal OSHA Trigger Task	Presumed Exposure	Required Respiratory Protection
• Manual demolition • Manual scraping and sanding • Heat gun use • Use of power tools with dust collection systems • Spray painting with lead paint • Any other activity that the employer has any reason to believe that an employee may be exposed in excess of the PEL.	50-100 $\mu m/m^3$	Half-mask, air purifying
• Using lead containing mortar • Lead burning • Rivet busting • Power tool cleaning without dust collection system • Clean-up of dry abrasive blast residue.	500-2500 $\mu m/m^3$	Full-face, air purifying, or Tight fitting PAPR, or Supplied air, contiguous flow
• Abrasive blasting • Welding • Cutting • Torch burning.	>2500 $\mu m/m^3$	Supplied air, pressure demand

Survey & Report Limitations

- Scope of work limitations were established by the Client to include items of interest and concern to the Client. *ProTech* is only responsible for the specific scope of work performed. No other services are intended or implied.

- This report has been prepared for the exclusive use of ProTech's client and is not intended for use by any other party. The scope of work and results presented in this report may not be appropriate for uses by any other party. Any use by a third party of this report shall be at their own risk and shall constitute a release and an agreement to defend and indemnify ProTech from any and all liability in connection therewith whether arising out of *ProTech's* negligence or otherwise.

- This project may contain undiscovered asbestos in areas that were not accessible or identified during ProTech's survey. Suspect asbestos may be discovered during demolition, renovation, or maintenance. If suspect asbestos is discovered, stop all work that could impact asbestos to allow properly trained personnel to perform sampling and or removal.

- This report and it's evaluations/conclusions are based on the current condition of the project. This report does not assess or anticipate future events that may impact or damage asbestos materials. Future changes in the condition of asbestos materials will require a new assessment by a certified asbestos consultant/technician.

- The quantities of asbestos stated in this report are approximations. This report is not a work plan or project specification. Contractors should not rely on this document for bidding purposes.

- Reasonable efforts were made to examine below **carpeted areas and resilient floor coverings** to determine and quantify the presence of suspect asbestos materials. ProTech accepts no liability for additional materials or under-reporting of asbestos materials which exist below other floor coverings.

- **Glass fiber insulated mechanical systems** were inspected as completely as possibly without destroying the integrity of the glass fiber insulation. The condition and presence or absence of asbestos associated with mechanical systems is assumed to be consistent with those areas exposed and examined during our inspection. However, ProTech does not guarantee that this is the case.

- ProTech does not represent this **limited survey** as a comprehensive inspection or evaluation. ProTech recommends that an expanded, comprehensive asbestos survey be conducted at this site if renovation or demolition activities are expected to impact any building materials other then those specifically addressed in this report.

Survey Approach

Inspection & Sample Collection

ProTech performed a survey of the project to identify and document accessible suspect asbestos. Identified suspect asbestos materials categorized by homogenous area and sampled. Samples were collected by misting small areas with water, then cutting or scraping the sample from the substrate with an appropriate sampling tool. Whenever possible, samples were collected from areas previously damaged or deteriorating. No building systems, components, or structures were demolished to obtain samples of potentially hidden ACM.

Each suspect bulk sample was sealed in its own Zip-lock plastic container and labeled with a unique identification number. Sampling tools were individually cleaned before and after each sample was collected to avoid sample cross contamination. Decontamination was accomplished using single-use, pre-moistened cloths.

Sample information was recorded on ProTech's chain-of-custody form. This form accompanied the samples to a laboratory possessing accreditation from the National Voluntary Laboratory Accreditation Program (NVLAP). Samples were submitted to Forensic Analytical Services, Inc. of Hayward, California.

Sample Analysis

Bulk sample analysis was conducted in accordance with the EPA interim method for determination of asbestos in bulk materials. Samples were first examined by a stereoscopic microscope for determination of homogeneity and preliminary evaluation of composition and presence of fibers. Fibers observed during this examination were then mounted in various refractive index oils and examined in polarized light. During this examination, all minerals and/or man-made materials were identified and the percentages of each were estimated and/or counted.

Conclusions & Recommendations

Lead

- Cal OSHA worker protection rules, CDPH certification requirements, US EPA standards, and DTSC disposal requirements need to be assessed by each contractor/employer who performs work on this project.

- Contractors, whose employees work at this site, are required to assess if their work will be subject to the requirements of the Cal OSHA lead construction standard (CCR Title 8 § 1532). Cal OSHA standards are designed to regulate and enforce on-the-job worker safety. Employers are required by law to ensure that employees are <u>not</u> exposed to airborne lead levels which exceed the permissible exposure limit (PEL). The standard requires worker exposure monitoring, medical surveillance, training, special work practices, etc.

- Each contractor/employer who bids and/or performs work at the site will need to assess potential lead exposure to employees performing their particular scope of work. Contractors who perform work at this site may need to obtain additional data (beyond the data presented in this report) during their assessment and Cal OSHA compliance planning. Individual contractors/sub-contractors should be allowed access to the project to obtain any needed data (samples, consultation, etc.) to complete their employee exposure assessment.

- ProTech recommends that the building owner and/or general contractor disseminate this report as well as any other lead-related information to all prospective contractors bidding work at the subject site.

- Contractors, whose employees disturbs more that 100 sq ft of lead-based paint (LBP), are required to submit written notification to Cal OHSA (per Health and Safety Code, Title 17 CCR Section 36000 (c)). The Cal OSHA LBP notification rule requires 24-hour advance notice prior to LBP disturbance.

- Any work performed at the site where LBP or LCP is likely to be disturbed should be performed by a contractor trained and qualified to perform lead-related construction work. Any work that exceeds Cal OSHA's permissible exposure limit or is performed to remediate a lead hazard must be conducted by CDPH certified personnel. All lead related work should be conducted employing lead work practices in accordance with HUD guidelines.

ProTech
Consulting & Engineering
1208 Main Street, Redwood City, CA 94063
Phone: (650) 569-4020 Fax: (650) 569-4023
info@protech-cal.com
Environmental Services

Job # 483-MA17

P.O. # 613-483-28

General Information

Date: 06-13-17

Job ID: Orchard E.S.
Modesto
Bldg. C1

Collected By: RN / END

Lab: EASI

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☒ PLM BULK - EPA/600/R/116
- ☐ Lead
  - ○ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold _____
- ☐ Other _____

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☐ 24 hours
- ☒ 48 hours
- ☐ 3-5 days
- ☐ _____

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other _____

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# 01-05 / 06-10	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. / S.T.	on / off / pump#	on / end / Ave / Roto#		
# 11 / 12-14	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. / C.P.	on / off / pump#	on / end / Ave / Roto#		
# 15-16 / 17	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic / ↓	on / off / pump#	on / end / Ave / Roto#		
# 18 / 19-20	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mortar / S.F.	on / off / pump#	on / end / Ave / Roto#		
# 21 / 22-23	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Sink / F.W.P.	on / off / pump#	on / end / Ave / Roto#		
# 24-25 / 26-27	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	B.B.M. / Tape	on / off / pump#	on / end / Ave / Roto#		
# 28	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic	on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		

CHAIN OF CUSTODY

Relinquished By:	Date/Time	Received By:	Date/Time
ED			

RECEIVED
3:50 pm
JUN 15 2017

WHITE - RETAIN WITH SAMPLES CANARY - FILE COPY

Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: B241317
Date Received: 06/15/17
Date Analyzed: 06/16/17
Date Printed: 06/19/17
First Reported: 06/19/17

Job ID/Site: 483-MA17, 613-483-28 - Orchard E.S. Modesto, Bldg. C1

Date(s) Collected: 06/13/2017

FALI Job ID: 1454
Total Samples Submitted: 28
Total Samples Analyzed: 28

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01	11903135						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %)							
02	11903136						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %)							
03	11903137						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %)							
04	11903138						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %)							

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B241317

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
05	11903139						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %)		**Asbestos (ND)**					
06	11903140						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %)		**Asbestos (ND)**					
07	11903141						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %)		**Asbestos (ND)**					
08	11903142						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
09	11903143						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %)		**Asbestos (ND)**					
10	11903144						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %)		**Asbestos (ND)**					
11	11903145						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					

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Report Number: B241317

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
12	11903146						
Layer: Beige Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
13	11903147						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
14	11903148						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
15	11903149						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
16	11903150						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
17	11903151						
Layer: White Mastic			**ND**				
Layer: White Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
18	11903152						
Layer: Grey Mortar			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
19	11903153						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
20	11903154						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							

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Report Number: B241317

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
21	11903155						
Layer: Black Coating			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
22	11903156						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (90 %)		**Asbestos (ND)**					
23	11903157						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (90 %)		**Asbestos (ND)**					
24	11903158						
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
25	11903159						
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
26	11903160						
Layer: White Tape			**ND**				
Total Composite Values of Fibrous Components: Synthetic (80 %)		**Asbestos (ND)**					
27	11903161						
Layer: White Tape			**ND**				
Total Composite Values of Fibrous Components: Synthetic (80 %)		**Asbestos (ND)**					
28	11903162						
Layer: Yellow Mastic			**ND**				
Layer: Paint			**ND**				
Layer: White Skimcoat/Joint Compound			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %)		**Asbestos (ND)**					

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Report Number: B241317

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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ProTech
Consulting & Engineering
1208 Main Street, Redwood City, CA 94063
Phone: (650) 569-4020 Fax: (650) 569-4023
info@protech-cal.com

Environmental Services

Job # 483-M17

P.O. # 613-493-28

General Information

Date: 06-13-17

Job ID: Orchard E.S.
Modesto
Bldg. C2

Collected By: RN/EM

Lab: EASI

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☒ PLM BULK - EPA/600/R/116
- ☐ Lead
  - ○ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold _____
- ☐ Other _____

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☐ 24 hours
- ☒ 48 hours
- ☐ 3-5 days
- ☐ _____

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other _____

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# 01-05 06-10	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. S.T.	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
# 11 12-14	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. 2x4 C.P.	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
# 15-16 17	☐ Post ☐ Area ☐ Background ☐ Personal ☒ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	F.W.P. S.P.M.	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
# 18-19 20-21	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	B.B.M. S.F.	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
# 22 23	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mud Mastic	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
# 24-25 26-27	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Cut Mastic Tape	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
# 28	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Sink	on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on ___ off ___ pump# ___	on ___ end ___ Ave ___ Roto# ___		

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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: B241320
Date Received: 06/15/17
Date Analyzed: 06/19/17
Date Printed: 06/19/17
First Reported: 06/19/17

Job ID/Site: 483-MA17, 613-483-28 - Orchard E.S. Modesto, Bldg. C2

Date(s) Collected: 06/13/2017

FALI Job ID: 1454
Total Samples Submitted: 28
Total Samples Analyzed: 28

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01	11903192						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
02	11903193						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
03	11903194						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
04	11903195						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							

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Report Number: B241320

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
05	11903196						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
06	11903197						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
07	11903198						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
08	11903199						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
09	11903200						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
10	11903201						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
11	11903202						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					

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Report Number: B241320

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
12	11903203						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
13	11903204						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
14	11903205						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
15	11903206						
Layer: Yellow Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (60 %)		**Asbestos (ND)**					
16	11903207						
Layer: Yellow Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (60 %)		**Asbestos (ND)**					
17	11903208						
Layer: Yellow Mastic			**ND**				
Layer: Paint			**ND**				
Layer: White Skimcoat/Joint Compound			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (30 %)		**Asbestos (ND)**					
18	11903209						
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
19	11903210						
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

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Report Number: B241320

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20	11903211						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
21	11903212						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
22	11903213						
Layer: White Ceramic Tile			**ND**				
Layer: Grey Mortar			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
23	11903214						
Layer: White Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
24	11903215						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
25	11903216						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
26	11903217						
Layer: White Tape			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Synthetic (80 %)							
27	11903218						
Layer: White Tape			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Synthetic (80 %)							
28	11903219						
Layer: Black Coating			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

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Report Number: B241320

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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ProTech
Consulting & Engineering
1208 Main Street, Redwood City, CA 94063
Phone: (650) 569-4020 Fax: (650) 569-4023
info@protech-cal.com

Environmental Services

Job # 493-MA17

P.O. # 613-493-30

General Information

Date: 06-13-17

Job ID: Orchard E.S.
Modesto
Bldg. D

Collected By: RN/EM

Lab: EASI

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☒ PLM BULK - EPA/600/R/116
- ☐ Lead
  - ○ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold _____
- ☐ Other _____

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☐ 24 hours
- ☒ 48 hours
- ☐ 3-5 days
- ☐ _____

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other _____

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# 01-05 / 06-10	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. / S.T.	on / off / pump#	on / end / Ave / Roto#		
# 11 / 12-14	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. / C.P.	on / off / pump#	on / end / Ave / Roto#		
# 15-16 / 17-18	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	F.W.P. / B.B.M.	on / off / pump#	on / end / Ave / Roto#		
# 19-20 / 21-22	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic / S.F.	on / off / pump#	on / end / Ave / Roto#		
# 23 / 24	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic / Mortar	on / off / pump#	on / end / Ave / Roto#		
# 25 / 26-27	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	12X12 VFT / SINK	on / off / pump#	on / end / Ave / Roto#		
# 28-29 / 30	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Tape / Mastic	on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		

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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: B241322
Date Received: 06/15/17
Date Analyzed: 06/19/17
Date Printed: 06/19/17
First Reported: 06/19/17

Job ID/Site: 483-MA17, 613-483-30 - Orchard E.S. Modesto, Bldg. D

Date(s) Collected: 06/13/2017

FALI Job ID: 1454
Total Samples Submitted: 29
Total Samples Analyzed: 29

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01	11903220						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (2 %)							
02	11903221						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (2 %)							
03	11903222						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (2 %)							
04	11903223						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (2 %)							

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Report Number: B241322

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
05	11903224						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (2 %)		**Asbestos (ND)**					
06	11903225						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
07	11903226						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (2 %)		**Asbestos (ND)**					
08	11903227						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
09	11903228						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					
10	11903229						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					
11	11903230						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					

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Report Number: B241322

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
12	11903231						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
13	11903232						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
14	11903233						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
15	11903234						
Layer: Yellow Mastic			**ND**				
Layer: Paint			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (60 %)		**Asbestos (ND)**					
16	11903235						
Layer: Yellow Mastic			**ND**				
Layer: Paint			**ND**				
Layer: Tan Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (60 %)		**Asbestos (ND)**					
17	11903236						
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
18	11903237						
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
19	11903238						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
20	11903239						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

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Report Number: B241322

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
21	11903240						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)		**Asbestos (ND)**					
22	11903241						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)		**Asbestos (ND)**					
23	11903242						
Layer: White Non-Fibrous Material			**ND**				
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %)		**Asbestos (ND)**					
24	11903243						
Layer: Grey Mortar			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
25	11903244						
Layer: Green Tile			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
26	11903245						
Layer: Black Coating			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
28	11903247						
Layer: White Tape			**ND**				
Total Composite Values of Fibrous Components: Synthetic (80 %)		**Asbestos (ND)**					
29	11903248						
Layer: White Tape			**ND**				
Total Composite Values of Fibrous Components: Synthetic (80 %)		**Asbestos (ND)**					
30	11903249						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

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Report Number: B241322

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Environmental Services

Page 1 of 1
Job # 483-MA17
P.O. # 613-483-23

General Information

Date: 06-13-17
Job ID: Orchard E.S. Modesto Bldg. B
Collected By: RN/EM
Lab: EASI

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☒ PLM BULK - EPA/600/R/116
- ☐ Lead
  - ○ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold ______
- ☐ Other ______

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☐ 24 hours
- ☒ 48 hours
- ☐ 3-5 days
- ☐ ______

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other ______

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# 01-03 / 04-06	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. / S.T.	on off pump#	on end Ave Roto#		
# 07-09 / 10-11	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	~~S.R.~~ C.P. / ~~C.P.~~ F.W.P.	on off pump#	on end Ave Roto#		
# 12 / 13-14	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Splash Mastic / B.B.M.	on off pump#	on end Ave Roto#		
# 15 / 16	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.F. ↓	on off pump#	on end Ave Roto#		
# 17-18 / 19	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic / Sink	on off pump#	on end Ave Roto#		
# 20-21 / 22-23	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	20-21 / 22-23	on off pump#	on end Ave Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on off pump#	on end Ave Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on off pump#	on end Ave Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on off pump#	on end Ave Roto#		

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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: B241324
Date Received: 06/15/17
Date Analyzed: 06/17/17
Date Printed: 06/19/17
First Reported: 06/19/17

Job ID/Site: 483-MA17, 613-483-23 - Orchard E.S. Modesto, Bldg. B

Date(s) Collected: 06/13/2017

FALI Job ID: 1454
Total Samples Submitted: 23
Total Samples Analyzed: 23

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01	11903251						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
02	11903252						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
03	11903253						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
04	11903254						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
05	11903255						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

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Report Number: B241324

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
06	11903256						
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
07	11903257						
Layer: White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
08	11903258						
Layer: White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
09	11903259						
Layer: White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
10	11903260						
Layer: Yellow Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (85 %)		**Asbestos (ND)**					
11	11903261						
Layer: Yellow Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (85 %)		**Asbestos (ND)**					
12	11903262						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
13	11903263						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (3 %) Synthetic (2 %)		**Asbestos (ND)**					
14	11903264						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %) Synthetic (2 %)		**Asbestos (ND)**					

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Report Number: B241324

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
15	11903265						
Layer: Light Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Off-White Mastic			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
16	11903266						
Layer: Grey Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
17	11903267						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (Trace)							
18	11903268						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (Trace)							
19	11903269						
Layer: Black Semi-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (Trace)							
20	11903270						
Layer: Beige Woven Material			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (95 %)							
21	11903271						
Layer: Beige Woven Material			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (95 %)							
22	11903272						
Layer: Off-White Tape			**ND**				
Layer: Clear Woven Material			**ND**				
Layer: Silver Foil			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (55 %) Fibrous Glass (20 %) Synthetic (2 %)							
23	11903273						
Layer: Off-White Tape			**ND**				
Layer: Clear Woven Material			**ND**				
Layer: Silver Foil			**ND**				
Total Composite Values of Fibrous Components: **Asbestos (ND)**							
Cellulose (55 %) Fibrous Glass (20 %) Synthetic (2 %)							

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Report Number: B241324

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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ProTech
Consulting & Engineering
1208 Main Street, Redwood City, CA 94063
Phone: (650) 569-4020 Fax: (650) 569-4023
info@protech-cal.com

Environmental Services

Job # 483-MAIN

P.O. # 613-483-25

General Information

Date: 06-13-17

Job ID: Orchard E.S.
Modesto
Bldg. E

Collected By: RN END

Lab: EMSI

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☒ PLM BULK - EPA/600/R/116
- ☐ Lead
  - ○ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold _____
- ☐ Other _____

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☐ 24 hours
- ☒ 48 hours
- ☐ 3-5 days
- ☐ _____

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other _____

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# 01-03 04-06	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. S.T.	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
# 07-09 10-14	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. C.P.	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
# 15-16 17	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic Cpt. Mastic	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
# 18 20-21	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.F. w/Float B.B.M.	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
# 22 23	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic Mortar	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
# 24 25	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	12x12 VFT w/m Sink	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
# 19	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Caulk	on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on _____ off _____ pump# _____	on _____ end _____ Ave _____ Roto# _____		

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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: B241325
Date Received: 06/15/17
Date Analyzed: 06/16/17
Date Printed: 06/19/17
First Reported: 06/19/17

Job ID/Site: 483-MA17, 613-483-25 - Orchard E.S. Modesto, Bldg. E

Date(s) Collected: 06/13/2017

FALI Job ID: 1454
Total Samples Submitted: 25
Total Samples Analyzed: 25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01	11903274						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
02	11903275						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
03	11903276						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
04	11903277						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
05	11903278						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							

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Report Number: B241325

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
06	11903279						
Layer: White Drywall			**ND**				
Layer: White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
07	11903280						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
08	11903281						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
09	11903282						
Layer: White Drywall			**ND**				
Layer: White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
10	11903283						
Layer: Beige Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
11	11903284						
Layer: Beige Fibrous Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							
12	11903285						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (35 %) Fibrous Glass (45 %)							

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Report Number: B241325

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
13	11903286						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
14	11903287						
Layer: Beige Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
15	11903288						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
16	11903289						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
17	11903290						
Layer: Grey Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (5 %)		**Asbestos (ND)**					
18	11903291						
Layer: Grey Sheet Flooring			**ND**				
Layer: Yellow Mastic			**ND**				
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Fibrous Glass (5 %)		**Asbestos (ND)**					
19	11903292						
Layer: Brown Semi-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Fibrous Glass (5 %)		**Asbestos (ND)**					
20	11903293						
Layer: White Mastic			**ND**				
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
21	11903294						
Layer: White Mastic			**ND**				
Layer: Tan Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B241325

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
22	11903295						
Layer: White Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
23	11903296						
Layer: Grey Mortar			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
24	11903297						
Layer: Green Tile			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace)							
25	11903298						
Layer: Black Coating			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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ProTech
Consulting & Engineering
1208 Main Street, Redwood City, CA 94063
Phone: (650) 569-4020 Fax: (650) 569-4023
info@protech-cal.com

Environmental Services

Job # 483-MA17

P.O. # 613-483-32

General Information

Date: 06-13-17

Job ID: Orchard E.S.
Modesto
Bldg. A

Collected By: RN/EM

Lab: FAST

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☒ PLM BULK - EPA/600/R/116
- ☐ Lead
  - ○ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold _____
- ☐ Other _____

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☐ 24 hours
- ☒ 48 hours
- ☐ 3-5 days
- ☐ _____

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other _____

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# 01-05 / 06-10	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.R. / S.T.	on / off / pump#	on / end / Ave / Roto#		
# 11-15 / 16-17	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	C.P. / B.B.M.	on / off / pump#	on / end / Ave / Roto#		
# 18-21 / 22	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	S.F. / Mastic	on / off / pump#	on / end / Ave / Roto#		
# 23 / 24	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Mastic / Mastic	on / off / pump#	on / end / Ave / Roto#		
# 25 / 26-27	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	12X12 VFT / Mastic	on / off / pump#	on / end / Ave / Roto#		
# 28 / 29-30	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	~~BK~~ Sink / Jacket	on / off / pump#	on / end / Ave / Roto#		
# 31-32	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Tape	on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		

CHAIN OF CUSTODY

Relinquished By:	Date/Time	Received By:	Date/Time
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Forensic Analytical LABORATORIES

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: B241330
Date Received: 06/15/17
Date Analyzed: 06/19/17
Date Printed: 06/19/17
First Reported: 06/19/17

Job ID/Site: 483-MA17, 613-483-32 - Orchard E.S. Modesto, Bldg. A

Date(s) Collected: 06/13/2017

FALI Job ID: 1454
Total Samples Submitted: 32
Total Samples Analyzed: 32

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
01	11903314						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
02	11903315						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
03	11903316						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							
04	11903317						
Layer: Brown Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (20 %) Fibrous Glass (10 %)							

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Report Number: B241330

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
05	11903318						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: White Tape			**ND**				
Layer: Off-White Joint Compound			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (ND)**					
06	11903319						
Layer: Off-White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
07	11903320						
Layer: Off-White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
08	11903321						
Layer: Off-White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
09	11903322						
Layer: Off-White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
10	11903323						
Layer: Off-White Texture			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
11	11903324						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
12	11903325						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					

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Report Number: B241330

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
13	11903326						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
14	11903327						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
15	11903328						
Layer: Off-White Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (35 %) Fibrous Glass (45 %)		**Asbestos (ND)**					
16	11903329						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
17	11903330						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
18	11903331						
Layer: White Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)		**Asbestos (ND)**					
19	11903332						
Layer: White Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)		**Asbestos (ND)**					
20	11903333						
Layer: White Sheet Flooring			**ND**				
Layer: Fibrous Backing			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)		**Asbestos (ND)**					

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Report Number: B241330

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
21	11903334						
Layer: White Sheet Flooring			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
22	11903335						
Layer: White Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
23	11903336						
Layer: White Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
24	11903337						
Layer: White Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
25	11903338						
Layer: Green Tile			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
26	11903339						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
27	11903340						
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
28	11903341						
Layer: Black Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
29	11903342						
Layer: Foil			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Fibrous Glass (90 %)		**Asbestos (ND)**					

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Report Number: B241330

Client Name: Protech Consulting & Engineers Inc. **Date Printed:** 06/19/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
30	11903343						
Layer: Foil			**ND**				
Layer: Off-White Woven Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Fibrous Glass (90 %)		**Asbestos (ND)**					
31	11903344						
Layer: White Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (99 %)		**Asbestos (ND)**					
32	11903345						
Layer: White Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (99 %)		**Asbestos (ND)**					

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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ProTech
Consulting & Engineering
1208 Main Street, Redwood City, CA 94063
Phone: (650) 569-4020 Fax: (650) 569-4023
info@protech-cal.com
Environmental Services

Job # 483-MA17
P.O. # 613-483-05

General Information

Date: 06-13-17
Job ID: Orchard E.S. Modesto
Bldgs. A, B, C1, D, C2, E
Collected By: ~~RN~~ ED
Lab: EMSL

Analysis Requested

- ☐ PCM NIOSH 7400
- ☐ TEM
  - ○ AHERA
  - ○ Level 2
  - ○ Bulk Quantitative
  - ○ Bulk Qualitative
- ☐ PLM BULK - EPA/600/R/116
- ☒ Lead
  - ⦻ AA
  - ○ TTLC
  - ○ STLC
  - ○ TCLP
- ☐ Mold ______
- ☐ Other ______

Turn Around Time

- ☐ Rush
- ☐ 12 hours
- ☒ 24 hours
- ☐ 48 hours
- ☐ 3-5 days
- ☐ ______

Special Instructions

☐ Prior Positive

Filter Type: ☐ MCE, 0.8 µm, 25mm ☐ MCE, 0.45µm, 25mm ☐ MCE, 0.8µm, 37mm ☐ Other ______

Sample # / Date	Sample Type	Sample Protocol	Location / Activity / Material Description	Time On/Off	LPM	Total Min. / Total Vol. / Fibers/Fields	Results
# LP-01	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Gray Drywall Paint	on / off / pump#	on / end / Ave / Roto#		
# LP-02	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	↓ (Gray) ↓ (Drywall) ↓ (Paint)	on / off / pump#	on / end / Ave / Roto#		
# LP-03	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Tan	on / off / pump#	on / end / Ave / Roto#		
# LP-04	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Beige metal door paint	on / off / pump#	on / end / Ave / Roto#		
# LP-05	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.	Green wood sill paint	on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		
#	☐ Post ☐ Area ☐ Background ☐ Personal ☐ Blank ☐ Bulk	☐ Amb. ☐ ALS ☐ Agg.		on / off / pump#	on / end / Ave / Roto#		

CHAIN OF CUSTODY

Relinquished By:	Date/Time	Received By:	Date/Time
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Forensic Analytical LABORATORIES

Final Report

Metals Analysis of Paints

Protech Consulting & Engineers Inc.
Project Manager

1208 Main St.
Redwood City, CA 94063

Client ID: 1454
Report Number: M186141
Date Received: 06/15/17
Date Analyzed: 06/16/17
Date Printed: 06/16/17
First Reported: 06/16/17

Job ID / Site: 483-MA17, 613-483-05 - Orchard ES, Modesto, Bldgs., A, B, C1, D, C2, E
Date(s) Collected: 6/13/17

FALI Job ID: 1454
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
LP-01	30771286	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
LP-02	30771287	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
LP-03	30771288	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
LP-04	30771289	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
LP-05	30771290	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

LEGEND

HOW TO READ THE REPORT

Wall A, is the front wall of the building.
Walls B, C and D go clockwise around the building or room

REPORTS

Summary-- Gives only those readings at or above the action level of 1.0mg/cm2.

Detailed Report—Gives all reading by room and component.
Readings are not in numerical order. This report also gives comments

PAINT CONDITION

I=Intact

F=Fair

P=Poor

Comments

There were 122 readings taken, including calibrations, using the RMD XRF instrument. 1 of the readings registered at or above the action level of 1.0mg/cm2. A contractor practicing Lead Safe Practices should do any repairs or repainting of the actionable areas.

" A copy of this summary report must be provided to new lessees and purchasers of this property under Federal Law (24 CFR part 35 and 40 CFR part 745) before they become obligated under lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords and sellers are also required to distribute an educational pamphlet and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards."

Emanuel Dounias
DPH 13095

_____
Date

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01369 - 06/13/17 12:00

INSPECTION FOR: Sylvan Union School District
605 Sylvan Avenue
Modesto, CA 95350

PERFORMED AT: Orchard E. School
Bldgs A, B, C1, C2, D & E
1800 Wisdom Way
Modesto, California

INSPECTION DATE: 06/13/17

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01369

ACTION LEVEL: 1.0 mg/cm**2

OPERATOR LICENSE: California General

STATEMENT: Lead paint survey as agreed.
No representations are made for any areas not tested.

SIGNED _____ DATE _____

ProTech Consulting & Engineering
1208 Main Street
Redwood City, Ca. 94063
Phone: 650-569-4020
Fax: 650-569-4023

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Sylvan Union School District

Inspection Date: 06/13/17
Report Date: 6/16/2017
Abatement Level: 1.0
Report No. S#01369 - 06/13/17 12:00
Total Readings: 122
Job Started: 06/13/17 12:00
Job Finished: 06/13/17 17:07

Orchard E. School
Bldgs A, B, C1, C2, D & E
1800 Wisdom Way
Modesto, California

Read No.	Rm	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm▒)	Mode
1		CALIBRATION								0.9	TC
2		CALIBRATION								0.8	TC
3		CALIBRATION								1.0	TC
4	001	Bldg A	B	Wall	U	Lft	I	Drywall	Beige	0.0	QM
5	001	Bldg A	A	Wall	U	Lft	I	Drywall	Beige	-0.1	QM
6	001	Bldg A	D	Wall	U	Rgt	I	Drywall	Gray	-0.1	QM
7	001	Bldg A	D	Wall	L	Ctr	I	Drywall	Gray	0.1	QM
8	001	Bldg A	C	Wall	L	Rgt	I	Drywall	Gray	0.0	QM
9	001	Bldg A	C	Wall	U	Ctr	I	Drywall	Gray	-0.1	QM
10	001	Bldg A	B	Wall	L	Rgt	I	Drywall	Gray	-0.1	QM
11	001	Bldg A	B	Wall	U	Ctr	I	Drywall	Gray	0.1	QM
12	001	Bldg A	B	Wall	L	Ctr	I	Drywall	Gray	0.0	QM
13	001	Bldg A	B	Window		Ctr Sill	I	Wood	Green	-0.1	QM
14	001	Bldg A	B	Window		Ctr Sash	I	Metal	Gray	-0.2	QM
15	001	Bldg A	B	Window		Lft Sash	I	Metal	Gray	-0.1	QM
16	001	Bldg A	B	Window		Lft Sill	I	Wood	Green	-0.1	QM
17	001	Bldg A	B	Door		Lft U Ctr	I	Wood	Beige	0.1	QM
18	001	Bldg A	B	Door		Lft Lft casing	I	Metal	Beige	0.0	QM
19	001	Bldg A	A	Door		Ctr Rgt casing	I	Metal	Beige	0.1	QM
20	001	Bldg A	A	Door		Ctr U Ctr	I	Wood	Beige	0.1	QM
21	001	Bldg A	D	Wall	L	Rgt	I	Ceramic	Gray	-0.2	QM
22	001	Bldg A	D	Floor			I	Ceramic	Gray	-0.1	QM
23	001	Bldg A	D	Wall	L	Rgt	I	Ceramic	Green	-0.1	QM
24	001	Bldg A	D	Wall	L	Rgt	I	Ceramic	Beige	-0.2	QM
25	001	Bldg A	B	Baseboard		Lft	I	Vinyl	Green	0.0	QM
26	001	Bldg A	C	Floor			I	Vinyl	Gray	-0.1	QM
27	002	Bldg B	C	Door		Lft U Ctr	I	Metal	Green	0.0	QM
28	002	Bldg B	C	Door		Lft Rgt casing	I	Metal	Green	0.3	QM
29	002	Bldg B	A	Window		Rgt Sash	I	Metal	Green	0.0	QM
30	002	Bldg B	A	Window		Rgt Sill	I	Wood	Green	0.0	QM
31	002	Bldg B	A	Door		Ctr U Ctr	I	Metal	Beige	0.1	QM
32	002	Bldg B	A	Window		Rgt Rgt casing	I	Metal	Beige	0.0	QM
33	002	Bldg B	A	Baseboard		Ctr	I	Vinyl	Green	-0.1	QM
34	002	Bldg B	A	Floor			I	Vinyl	Gray	-0.1	QM
35	002	Bldg B	A	Wall	L	Rgt	I	Drywall	Gray	0.0	QM
36	002	Bldg B	D	Wall	L	Rgt	I	Drywall	Gray	-0.1	QM
37	002	Bldg B	D	Wall	L	Lft	I	Drywall	Gray	0.0	QM
38	002	Bldg B	B	Wall	L	Rgt	I	Drywall	Gray	-0.1	QM
39	002	Bldg B	D	Wall	L	Ctr	I	Wallpaper	Beige	-0.1	QM
40	003	Bldg C1	A	Wall	L	Lft	I	Ceramic	Gray	0.0	QM
41	003	Bldg C1	A	Wall	L	Lft	I	Ceramic	Blue	-0.2	QM
42	003	Bldg C1	A	Wall	L	Lft	I	Ceramic	Beige	-0.2	QM
43	003	Bldg C1	A	Floor			I	Ceramic	Gray	0.1	QM
44	003	Bldg C1	A	Wall	L	Rgt	I	Ceramic	Gray	-0.2	QM
45	003	Bldg C1	A	Wall	L	Rgt	I	Ceramic	Green	0.0	QM
46	003	Bldg C1	A	Wall	L	Rgt	I	Ceramic	Pink	-0.2	QM
47	003	Bldg C1	D	Door		Rgt U Ctr	I	Metal	Beige	0.1	QM
48	003	Bldg C1	A	Door		Ctr U Ctr	I	Metal	Green	0.0	QM
49	003	Bldg C1	B	Window		Lft Rgt casing	I	Metal	Beige	0.0	QM
50	003	Bldg C1	B	Window		Ctr Sash	I	Metal	Gray	0.0	QM
51	003	Bldg C1	B	Window		Ctr Sill	I	Wood	Green	0.0	QM

52	003	Bldg C1	C	Floor				I	Vinyl	Green	0.0	QM
53	003	Bldg C1	A	Floor				I	Ceramic	Green	0.0	QM
54	003	Bldg C1	D	Wall	U	Rgt		I	Drywall	Gray	0.0	QM
55	003	Bldg C1	C	Wall	U	Lft		I	Drywall	Gray	0.0	QM
56	003	Bldg C1	B	Wall	U	Lft		I	Drywall	Gray	0.0	QM
57	003	Bldg C1	B	Wall	L	Lft		I	Drywall	Beige	0.1	QM
58	003	Bldg C1	D	Wall	L	Lft		I	Drywall	Tan	-0.1	QM
59	003	Bldg C1	B	Wall	L	Ctr		I	Wallpaper	Beige	0.0	QM
60	004	Bldg D	A	Wall	L	Lft		I	Drywall	Gray	-0.1	QM
61	004	Bldg D	C	Wall	U	Ctr		I	Drywall	Gray	0.0	QM
62	004	Bldg D	B	Wall	U	Ctr		I	Drywall	Gray	0.0	QM
63	004	Bldg D	A	Wall	U	Rgt		I	Drywall	Brown	0.0	QM
64	004	Bldg D	A	Wall	L	Rgt		I	Drywall	Tan	-0.1	QM
65	004	Bldg D	A	Window		Lft	Sash	I	Metal	Green	-0.1	QM
66	004	Bldg D	A	Window		Lft	Sill	I	Wood	Green	0.0	QM
67	004	Bldg D	D	Window		Rgt	Sill	I	Metal	Beige	0.0	QM
68	004	Bldg D	D	Door		Rgt	U Ctr	I	Metal	Beige	0.3	QM
69	004	Bldg D	B	Door		Ctr	U Ctr	I	Metal	Green	0.0	QM
70	004	Bldg D	D	Baseboard		Ctr		I	Vinyl	Green	0.0	QM
71	004	Bldg D	A	Floor				I	Vinyl	Gray	0.0	QM
72	004	Bldg D	C	Wall	U	Rgt		I	Ceramic	White	-0.1	QM
73	004	Bldg D	C	Wall	L	Rgt		I	Ceramic	Green	-0.1	QM
74	004	Bldg D	C	Wall	L	Rgt		I	Ceramic	Beige	-0.2	QM
75	004	Bldg D	C	Wall	U	Lft		I	Ceramic	White	-0.1	QM
76	004	Bldg D	C	Wall	U	Lft		I	Ceramic	Green	-0.1	QM
77	004	Bldg D	C	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
78	004	Bldg D	C	Floor				I	Ceramic	White	-0.2	QM
79	005	Bldg C2	A	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
80	005	Bldg C2	A	Wall	U	Lft		I	Ceramic	Green	-0.2	QM
81	005	Bldg C2	A	Wall	U	Lft		I	Ceramic	Pink	-0.1	QM
82	005	Bldg C2	B	Wall	U	Lft		I	Ceramic	Beige	-0.1	QM
83	005	Bldg C2	B	Wall	U	Lft		I	Ceramic	Blue	-0.1	QM
84	005	Bldg C2	B	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
85	005	Bldg C2	A	Floor				I	Ceramic	Gray	-0.2	QM
86	005	Bldg C2	A	Door		Ctr	U Ctr	I	Metal	Green	0.0	QM
87	005	Bldg C2	A	Window		Rgt	Rgt casing	I	Metal	Green	-0.1	QM
88	005	Bldg C2	A	Window		Rgt	Sill	I	Wood	Green	-0.1	QM
89	005	Bldg C2	B	Window		Rgt	Rgt casing	I	Metal	Beige	0.0	QM
90	005	Bldg C2	D	Door		Ctr	U Ctr	I	Metal	Beige	0.0	QM
91	005	Bldg C2	C	Wall	U	Lft		I	Drywall	Gray	0.0	QM
92	005	Bldg C2	C	Wall	U	Rgt		I	Drywall	Gray	0.0	QM
93	005	Bldg C2	A	Wall	U	Ctr		I	Drywall	Gray	0.0	QM
94	005	Bldg C2	C	Wall	U	Ctr		I	Drywall	Beige	0.0	QM
95	005	Bldg C2	C	Wall	L	Ctr		I	Drywall	Tan	0.1	QM
96	005	Bldg C2	B	Baseboard		Ctr		I	Vinyl	Gray	0.0	QM
97	005	Bldg C2	C	Floor				I	Vinyl	Gray	0.0	QM
98	006	Bldg E	A	Wall	L	Ctr		I	Drywall	Tan	-0.1	QM
99	006	Bldg E	A	Wall	U	Lft		I	Drywall	Tan	-0.1	QM
100	006	Bldg E	D	Wall	U	Ctr		I	Drywall	Tan	0.0	QM
101	006	Bldg E	D	Wall	L	Ctr		I	Drywall	Tan	-0.1	QM
102	006	Bldg E	B	Wall	L	Ctr		I	Drywall	Tan	0.0	QM
103	006	Bldg E	B	Wall	U	Rgt		I	Drywall	Tan	-0.1	QM
104	006	Bldg E	B	Wall	U	Ctr		I	Drywall	Tan	0.0	QM
105	006	Bldg E	A	Wall	U	Rgt		I	Drywall	Tan	0.0	QM
106	006	Bldg E	A	Window		Rgt	Sill	I	Wood	Green	-0.1	QM
107	006	Bldg E	A	Window		Rgt	Rgt casing	I	Metal	Green	-0.1	QM
108	006	Bldg E	A	Door		Ctr	U Ctr	I	Metal	Green	0.0	QM
109	006	Bldg E	A	Door		Ctr	U Ctr	I	Metal	Beige	0.0	QM
110	006	Bldg E	C	Wall	U	Lft		I	Ceramic	Blue	-0.1	QM
111	006	Bldg E	C	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
112	006	Bldg E	C	Floor				I	Ceramic	Gray	-0.1	QM
113	006	Bldg E	C	Wall	U	Rgt		I	Ceramic	Gray	-0.1	QM
114	006	Bldg E	C	Wall	U	Rgt		I	Ceramic	Beige	-0.1	QM
115	006	Bldg E	D	Baseboard		Rgt		I	Vinyl	Gray	-0.1	QM
116	006	Bldg E	C	Railing		Rgt	Railing	I	Metal	Beige	0.5	QM

117	006 Bldg E	A	Floor			I	Ceramic	Gray	0.0	QM
118	006 Bldg E	A	Main Entry	Ctr		I	Ceramic	Green	1.0	QM
119	006 Bldg E	B	Floor			I	Vinyl	Green	-0.1	QM
120	CALIBRATION								0.9	TC
121	CALIBRATION								0.9	TC
122	CALIBRATION								0.8	TC

---- End of Readings ----

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Sylvan Union School District

Inspection Date: 06/13/17
Report Date: 6/16/2017
Abatement Level: 1.0
Report No. S#01369 - 06/13/17 12:00
Total Readings: 122 Actionable: 1
Job Started: 06/13/17 12:00
Job Finished: 06/13/17 17:07

Orchard E. School
Bldgs A, B, C1, C2, D & E
1800 Wisdom Way
Modesto, California

Read No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm▒)	Mode
Interior Room 006 Bldg E									
118	A	Main Entry	Ctr		I	Ceramic	Green	1.0	QM
Calibration Readings									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Sylvan Union School District

Inspection Date: 06/13/17
Report Date: 6/16/2017
Abatement Level: 1.0
Report No. S#01369 - 06/13/17 12:00
Total Readings: 122
Job Started: 06/13/17 12:00
Job Finished: 06/13/17 17:07

Orchard E. School
Bldgs A, B, C1, C2, D & E
1800 Wisdom Way
Modesto, California

Read No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm▒)	Mode
Interior Room 001 Bldg A									
005	A	Wall	U Lft		I	Drywall	Beige	-0.1	QM
019	A	Door	Ctr	Rgt casing	I	Metal	Beige	0.1	QM
020	A	Door	Ctr	U Ctr	I	Wood	Beige	0.1	QM
012	B	Wall	L Ctr		I	Drywall	Gray	0.0	QM
010	B	Wall	L Rgt		I	Drywall	Gray	-0.1	QM
004	B	Wall	U Lft		I	Drywall	Beige	0.0	QM
011	B	Wall	U Ctr		I	Drywall	Gray	0.1	QM
025	B	Baseboard	Lft		I	Vinyl	Green	0.0	QM
015	B	Window	Lft	Sash	I	Metal	Gray	-0.1	QM
016	B	Window	Lft	Sill	I	Wood	Green	-0.1	QM
014	B	Window	Ctr	Sash	I	Metal	Gray	-0.2	QM
013	B	Window	Ctr	Sill	I	Wood	Green	-0.1	QM
018	B	Door	Lft	Lft casing	I	Metal	Beige	0.0	QM
017	B	Door	Lft	U Ctr	I	Wood	Beige	0.1	QM
008	C	Wall	L Rgt		I	Drywall	Gray	0.0	QM
009	C	Wall	U Ctr		I	Drywall	Gray	-0.1	QM
026	C	Floor			I	Vinyl	Gray	-0.1	QM
007	D	Wall	L Ctr		I	Drywall	Gray	0.1	QM

021	D	Wall	L Rgt		I	Ceramic	Gray	-0.2	QM
023	D	Wall	L Rgt		I	Ceramic	Green	-0.1	QM
024	D	Wall	L Rgt		I	Ceramic	Beige	-0.2	QM
006	D	Wall	U Rgt		I	Drywall	Gray	-0.1	QM
022	D	Floor			I	Ceramic	Gray	-0.1	QM

Interior Room 002 Bldg B

035	A	Wall	L Rgt		I	Drywall	Gray	0.0	QM
033	A	Baseboard	Ctr		I	Vinyl	Green	-0.1	QM
034	A	Floor			I	Vinyl	Gray	-0.1	QM
032	A	Window	Rgt	Rgt casing	I	Metal	Beige	0.0	QM
029	A	Window	Rgt	Sash	I	Metal	Green	0.0	QM
030	A	Window	Rgt	Sill	I	Wood	Green	0.0	QM
031	A	Door	Ctr	U Ctr	I	Metal	Beige	0.1	QM
038	B	Wall	L Rgt		I	Drywall	Gray	-0.1	QM
028	C	Door	Lft	Rgt casing	I	Metal	Green	0.3	QM
027	C	Door	Lft	U Ctr	I	Metal	Green	0.0	QM
037	D	Wall	L Lft		I	Drywall	Gray	0.0	QM
039	D	Wall	L Ctr		I	Wallpaper	Beige	-0.1	QM
036	D	Wall	L Rgt		I	Drywall	Gray	-0.1	QM

Interior Room 003 Bldg C1

040	A	Wall	L Lft		I	Ceramic	Gray	0.0	QM
041	A	Wall	L Lft		I	Ceramic	Blue	-0.2	QM
042	A	Wall	L Lft		I	Ceramic	Beige	-0.2	QM
044	A	Wall	L Rgt		I	Ceramic	Gray	-0.2	QM
045	A	Wall	L Rgt		I	Ceramic	Green	0.0	QM
046	A	Wall	L Rgt		I	Ceramic	Pink	-0.2	QM
043	A	Floor			I	Ceramic	Gray	0.1	QM
053	A	Floor			I	Ceramic	Green	0.0	QM
048	A	Door	Ctr	U Ctr	I	Metal	Green	0.0	QM
057	B	Wall	L Lft		I	Drywall	Beige	0.1	QM
059	B	Wall	L Ctr		I	Wallpaper	Beige	0.0	QM
056	B	Wall	U Lft		I	Drywall	Gray	0.0	QM
049	B	Window	Lft	Rgt casing	I	Metal	Beige	0.0	QM
050	B	Window	Ctr	Sash	I	Metal	Gray	0.0	QM
051	B	Window	Ctr	Sill	I	Wood	Green	0.0	QM
055	C	Wall	U Lft		I	Drywall	Gray	0.0	QM
052	C	Floor			I	Vinyl	Green	0.0	QM
058	D	Wall	L Lft		I	Drywall	Tan	-0.1	QM
054	D	Wall	U Rgt		I	Drywall	Gray	0.0	QM
047	D	Door	Rgt	U Ctr	I	Metal	Beige	0.1	QM

Interior Room 004 Bldg D

060	A	Wall	L Lft		I	Drywall	Gray	-0.1	QM
064	A	Wall	L Rgt		I	Drywall	Tan	-0.1	QM
063	A	Wall	U Rgt		I	Drywall	Brown	0.0	QM
071	A	Floor			I	Vinyl	Gray	0.0	QM
065	A	Window	Lft	Sash	I	Metal	Green	-0.1	QM
066	A	Window	Lft	Sill	I	Wood	Green	0.0	QM
062	B	Wall	U Ctr		I	Drywall	Gray	0.0	QM
069	B	Door	Ctr	U Ctr	I	Metal	Green	0.0	QM
073	C	Wall	L Rgt		I	Ceramic	Green	-0.1	QM
074	C	Wall	L Rgt		I	Ceramic	Beige	-0.2	QM
075	C	Wall	U Lft		I	Ceramic	White	-0.1	QM
076	C	Wall	U Lft		I	Ceramic	Green	-0.1	QM
077	C	Wall	U Lft		I	Ceramic	Gray	-0.1	QM
061	C	Wall	U Ctr		I	Drywall	Gray	0.0	QM
072	C	Wall	U Rgt		I	Ceramic	White	-0.1	QM
078	C	Floor			I	Ceramic	White	-0.2	QM
070	D	Baseboard	Ctr		I	Vinyl	Green	0.0	QM
067	D	Window	Rgt	Sill	I	Metal	Beige	0.0	QM
068	D	Door	Rgt	U Ctr	I	Metal	Beige	0.3	QM

Interior Room 005 Bldg C2

079	A	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
080	A	Wall	U	Lft		I	Ceramic	Green	-0.2	QM
081	A	Wall	U	Lft		I	Ceramic	Pink	-0.1	QM
093	A	Wall	U	Ctr		I	Drywall	Gray	0.0	QM
085	A	Floor				I	Ceramic	Gray	-0.2	QM
087	A	Window		Rgt	Rgt casing	I	Metal	Green	-0.1	QM
088	A	Window		Rgt	Sill	I	Wood	Green	-0.1	QM
086	A	Door		Ctr	U Ctr	I	Metal	Green	0.0	QM
082	B	Wall	U	Lft		I	Ceramic	Beige	-0.1	QM
083	B	Wall	U	Lft		I	Ceramic	Blue	-0.1	QM
084	B	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
096	B	Baseboard		Ctr		I	Vinyl	Gray	0.0	QM
089	B	Window		Rgt	Rgt casing	I	Metal	Beige	0.0	QM
095	C	Wall	L	Ctr		I	Drywall	Tan	0.1	QM
091	C	Wall	U	Lft		I	Drywall	Gray	0.0	QM
094	C	Wall	U	Ctr		I	Drywall	Beige	0.0	QM
092	C	Wall	U	Rgt		I	Drywall	Gray	0.0	QM
097	C	Floor				I	Vinyl	Gray	0.0	QM
090	D	Door		Ctr	U Ctr	I	Metal	Beige	0.0	QM

Interior Room 006 Bldg E

098	A	Wall	L	Ctr		I	Drywall	Tan	-0.1	QM
099	A	Wall	U	Lft		I	Drywall	Tan	-0.1	QM
105	A	Wall	U	Rgt		I	Drywall	Tan	0.0	QM
117	A	Floor				I	Ceramic	Gray	0.0	QM
107	A	Window		Rgt	Rgt casing	I	Metal	Green	-0.1	QM
106	A	Window		Rgt	Sill	I	Wood	Green	-0.1	QM
108	A	Door		Ctr	U Ctr	I	Metal	Green	0.0	QM
109	A	Door		Ctr	U Ctr	I	Metal	Beige	0.0	QM
118	A	Main Entry		Ctr		I	Ceramic	Green	1.0	QM
102	B	Wall	L	Ctr		I	Drywall	Tan	0.0	QM
104	B	Wall	U	Ctr		I	Drywall	Tan	0.0	QM
103	B	Wall	U	Rgt		I	Drywall	Tan	-0.1	QM
119	B	Floor				I	Vinyl	Green	-0.1	QM
110	C	Wall	U	Lft		I	Ceramic	Blue	-0.1	QM
111	C	Wall	U	Lft		I	Ceramic	Gray	-0.1	QM
113	C	Wall	U	Rgt		I	Ceramic	Gray	-0.1	QM
114	C	Wall	U	Rgt		I	Ceramic	Beige	-0.1	QM
112	C	Floor				I	Ceramic	Gray	-0.1	QM
116	C	Railing		Rgt	Railing	I	Metal	Beige	0.5	QM
101	D	Wall	L	Ctr		I	Drywall	Tan	-0.1	QM
100	D	Wall	U	Ctr		I	Drywall	Tan	0.0	QM
115	D	Baseboard		Rgt		I	Vinyl	Gray	-0.1	QM

Calibration Readings

001	0.9	TC
002	0.8	TC
003	1.0	TC
120	0.9	TC
121	0.9	TC
122	0.8	TC

---- End of Readings ----

DISTRIBUTION REPORT OF LEAD PAINT INSPECTION FOR: Sylvan Union School District

Inspection Date: 06/13/17
Report Date: 6/16/2017
Abatement Level: 1.0
Report No. S#01369 - 06/13/17 12:00
Total Reading Sets: 116
Job Started: 06/13/17 12:00
Job Finished: 06/13/17 17:07

Orchard E. School
Bldgs A, B, C1, C2, D & E
1800 Wisdom Way
Modesto, California

Structure	Structure Distribution Total	Positive	Negative	Inconclusive
Baseboard	5	0 <0%>	5 <100%>	0 <0%>
Door Lft casing	1	0 <0%>	1 <100%>	0 <0%>
Door Rgt casing	2	0 <0%>	2 <100%>	0 <0%>
Door U Ctr	12	0 <0%>	12 <100%>	0 <0%>
Floor	13	0 <0%>	13 <100%>	0 <0%>
Main Entry	1	1 <100%>	0 <0%>	0 <0%>
Railing Railing	1	0 <0%>	1 <100%>	0 <0%>
Wall	63	0 <0%>	63 <100%>	0 <0%>
Window Rgt casing	5	0 <0%>	5 <100%>	0 <0%>
Window Sash	5	0 <0%>	5 <100%>	0 <0%>
Window Sill	8	0 <0%>	8 <100%>	0 <0%>
Inspection Totals:	116	1 < 1%>	115 < 99%>	0 < 0%>