

A00#1 13-01R

February 8, 2013

ADDENDUM NO. 1

Bid Package 13-01R

BROOKSIDE ELEMENTARY SCHOOL – BUILDING B (200)
DSA NO. 03-113415

OAK PARK UNIFIED SCHOOL DISTRICT

OAK PARK, CA

This Addendum is being sent out to all contractors who are current plan holders.

In accordance with the contract documents, Section 00100 Instruction to Bidders: Paragraph 12 - Interpretation of Drawings, Specifications or Contract Documents, the following information or clarifications to the contract documents or drawings is hereby being provided.

All information provided in this Addendum shall become a part of the Contract and Contract Documents for:

Brookside Elementary School – Building B

SPECIFICATIONS

Item No. 1:

Refer to Division 02, Existing Conditions and add the following sections:

1. Lead-Based Paint Investigation and Report, 15 pages, dated October 14, 2012,
2. Limited Investigation & Analysis for Asbestos, 17 pages, dated revised November 27, 2012
Quantem Laboratories Analytical Testing Reports,

Review reports for asbestos and lead laden materials to be removed.

Item No. 2:

Add the attached Section 08 51 13, Aluminum Windows, Pages 1-11 in its entirety.

Item No. 3:

Add the attached Section 09 62 23, Bamboo Flooring, Pages 1-6 in its entirety.

Item No. 4:

Add the attached Section 09 68 13, Carpet Tile, Pages 1-16 in its entirety.

Item No. 5:

Refer to Division 09, Finishes and furnish and install materials per the attached Color Selection Report, dated February 1, 2013 (2 pages).

Item No. 6:

Delete Section 10 28 13, Toilet and Bath Accessories, Pages 1-6 and replace with the attached Section 10 28 13, Toilet and Bath Accessories, Pages 1 -6.

Item No. 7:

Add the attached Section 11 52 13.13, Projection Screens, Pages 1-5 in its entirety.

Item No. 8:

Delete Section 22,40 00, Plumbing Fixtures, Pages 1-19 and replace with the attached Section 22 40 00, Plumbing Fixtures, Pages 1-20.

Item No. 9:

Delete Section 22 47 00, Drinking Fountains, Pages 1-6 and replace with the attached Section 22 47 00, Drinking Fountains, Pages 1-6.

DRAWINGS

Item No. 10:

Refer to DSA-approved Drawings D2.2, D7.2, A2.2, A3.2, A4.60, A6.2, A7.2, MD2.2, MD3.2, M2.2, M3.2, M2.2, M3.2, PD2.2, P2.2, P3.2, ED3.2, ED4.2, E2.2, E3.2, E2.2, E3.2, E4.2, FA2.2a, FA2.2b, dated September 2, 2009 and replace with the attached Drawings AD1-D2.2, AD1-D7.2, AD1-A2.2, AD1-A3.2, AD1-A4.60, AD1-A6.2, AD1-A7.2, AD1-MD2.2, AD1-MD3.2, AD1-M2.2, AD1-M3.2, AD1-M2.2, AD1-M3.2, AD1-PD2.2, AD1-P2.2, AD1-P3.2, AD1-ED3.2, AD1-E2.2, AD1-E3.2, AD1-D4.2, AD1-E2.2, AD1-E3.2, AD1-E4.2, AD1-FA2.2a, AD1-FA2.2b, dated January 7, 2013.

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Item No. 11:

Add the attached Drawings AD1-A0.5a, AD1-A4.61, AD1-A6.60, AD1-A6.62, AD1-A8.1, AD1-A8.2, AD1-A9.1, AD1-M0.2, AD1-M4.1, AD1-M4.1a, AD1-P0.2, AD1-P2.2a, AD1-P4.1a, AD1-E0.4, AD1-FA3.1, AD1-FA4.1, dated January 7, 2013.

Item No. 12:

Refer to DSA-approved Drawing A6.13, dated September 2, 2009, delete Detail 6 and replace with the attached Drawing AD1-1, dated January 7, 2013.

Item No. 13:

Refer to DSA-approved Drawing A6.13, dated September 2, 2009, delete Detail 13 and replace with the attached Drawing AD1-2, dated January 7, 2013.

Item No. 14:

Add the attached Drawing AD1-3, dated January 7, 2013.

Item No. 15:

Refer to DSA-approved Drawing A7.60, dated September 2, 2009, delete Details 9B and 9E and replace with the attached Drawing AD1-4, dated January 7, 2013.

Item No. 14:

Refer to DSA-approved Drawing A1.1, dated September 2, 2009 and add the attached Drawing AD1-5, dated January 7, 2013.

Item No. 15:

Add the attached Drawings AD1-6 and AD1-7, dated January 7, 2013.

Item No. 16:

Add the attached Daniel, Mann, Johnson & Mendenhall Planning Architecture Engineering Systems As-Builts Drawings C-1, P-1, P-2, E-1, E-4, A-7, A-10, A-12, A-13, A-14 and A-15, dated April 19, 1967. These Drawings are For Reference Only.

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Each Subcontractor providing a proposal for the above mentioned project shall be required to acknowledge this Addendum as stated on the Bid Form – 00210, Page 2 of 4, Section 1.3, Acknowledgement Bid Addenda. Any Contractor who does not acknowledge this Addendum will be deemed Non-Responsive and the bid returned.

For any additional information regarding the Addendum you may contact me at the numbers provided below.

Thank you,



Keith Henderson
District Representative for the Oak Park Unified School District Measure "R"
Program/Construction Manager

Balfour Beatty Construction

email: khenderson@balfourbeattyus.com



Lead-Based Paint Investigation and Report

Subject Property:

**Brookside Elementary School
165 North Satinwood Avenue
Oak Park, CA 91377**

Report Dated: October 14, 2012

Prepared for: Oak Park Unified School District
5801 East Conifer Street
Oak park, CA 91377
Attn: Julie Suarez

C/O Balfour Beatty
Mr. Richard Jackson
Mr. Keith Henderson

Prepared by: ENVIRONMENTAL TESTING ASSOCIATES, Inc
850 Hampshire Road, Suite-G
Westlake Village, CA 91361
Phone (800) 550-7806; Fax (805) 497-7477

A handwritten signature in black ink, appearing to read "Kevin Riley".

Kevin Riley, President
CEI, CMI, Member IESO, AIAQC

A handwritten signature in black ink, appearing to read "John Mitchell".

John Mitchell, Project Manager
California DPH Certified Inspector/Assessor/Monitor

Proprietary Notice:

This report contains CONFIDENTIAL INFORMATION and is the property of Environmental Testing Services and cannot be duplicated or copied under any circumstances without the express permission of Client. The purpose of the report is to allow the client(s) listed above to evaluate the potential environmental liabilities at the Subject Property. Any unauthorized reuse of Environmental Testing Services reports or data will be at the unauthorized user's sole risk and liability.

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EXECUTIVE SUMMARY – LEAD-BASED PAINT (LBP)

Environmental Testing Services (ETA) was retained by Mr. Richard Jackson with Balfour Beatty U. S. on behalf of Oak Park Unified School District, to perform a limited lead-based paint (LBP) assessment and report for the ceramic tiles inside the boys and girls restrooms in building #200 at 165 North Satinwood Avenue, Oak Park, California.

The Investigation was conducted by Mr. Brad Sheldon under the supervision of Mr. John Mitchell. Mr. Mitchell and Mr. Sheldon are Department of Public Health Certified Inspector/Assessors.

“Lead-Based positive” XRF readings are highlighted in Red. (See Appendix A)

Components with “lead-containing” paint (less than 0.7 mg/cm² and greater than 0.1 mg/cm²) and “lead-safe paint” (equal to and less than 0.1 mg/cm²) are also identified in Appendix A. The Client should reference the readings against these standards.

SECTION 1

INTRODUCTION

Environmental Testing Services (ETA) performed a survey and evaluation at the subject property to characterize suspect lead-based paints (LBP) and lead-containing paints within the ceramic tiles located at the afore mentioned Elementary School. This survey was performed in general conformance with federal HUD Guidelines, and in compliance with California Department of Health services Title 17 CCR Division 1, Chapter 8. This report identifies the locations of “lead-based” paints, “lead-containing” paints and “lead-safe” paints.

The California Department of Public Health Title 17 CCR Division 1, Chapter 8, section 35033 defines lead-based paint as paint or other surface coating that contains an amount of lead equal to or in excess of one milligram per square centimeter (1.0 mg/cm²) or more than one half of one percent (0.5%) by weight.

Los Angeles County (CA) defines lead-based paint as paint or other surface coating that contains an amount of lead equal to or in excess of 0.7 milligram per square centimeter (0.7 mg/cm²) or more than one half of one percent (0.5%) by weight.

The Cal/OSHA Lead in Construction Standard considers any amount of lead in paint to be of concern during renovation and demolition activities, however Cal/OSHA considers lead content below 0.06% to not produce an exposure concern for workers during renovation/demolition activities (Title 8 CCR 1532.1 – see section 5.0 of this report for further information). Please see attached the general disclosure language for compliance with OSHA regulations.

LEAD-BASED PAINTS

For the purpose of this report, lead-based paint is defined as any paint or surface coating with lead readings equal to or in excess of 0.7 mg/cm² or more than 0.5 percent (0.5%) by weight. Disturbance of the paint or surface coating in this category is subjected to the initial employee exposure requirement set forth in Title 8 CCR 1532.1.

LEAD-CONTAINING PAINTS

For the purpose of this report, lead-containing paint (LCP) is defined as any paint or surface coating with lead readings less than 0.7 mg/cm² and greater than 0.1 mg/cm², and greater than 0.06% and less than 0.5% by weight. Disturbance of the paint or surface coating in this category is also subjected to the initial employee exposure requirement set forth in Title 8 CCR 1532.1.

Components with lead-containing paint (lead detected in concentrations less than 0.7 mg/cm² but greater than 0.1 mg/cm²) are identified in Appendix A.

LEAD-SAFE PAINT- Ceramic Tile's

Components with lead-safe paint (lead detected in concentrations equal to or less than 0.1 mg/cm²) are identified in Appendix A. Per NITON Corporation, the manufacturer of the XRF Lead Detection equipment, lead levels <0.1 mg/cm² are considered equivalent to <600 ppm.

Boy's & Girl's Restroom-Ceramic Floor & Wall Tile

Substrate	Side	Color	Bldg	Interior/Exterior	XRF Reading
Wall-Boy's RR	Side D	Mauve	200	Interior	0.01
Wall-Boy's RR	Side B	Mauve	200	Interior	0.01
Wall Base-Boy's	Side B	Mauve	200	Interior	0.03
Urinal Floor-Boy's	Side B	Mauve	200	Interior	0.01
Floor-Boy's RR	Side B	Tan	200	Interior	0.01
Floor-Boy's RR	Side B	Brown	200	Interior	0.02
Wall-Boy's RR	Side B	White	200	Interior	0.00
Wall-Boy's RR	Side D	White	200	Interior	0.04
Wall-Boy's RR	Side D	Mauve	200	Interior	0.00
Wall-Girl's RR	Side B	Pink	200	Interior	0.02

SECTION 2

DISCUSSION OF HISTORICAL DATA

Historical data regarding lead-content on painted surfaces was not available for review by ETA prior to or during the evaluation.

SECTION 3

VISUAL SURVEY AND SAMPLING METHODOLOGY

The Niton X-Ray Fluorescence (XRF) analyzer used for this survey is the federal HUD-recommended field instrument that was developed specifically for the characterization of suspect lead-based paint.

The proper utilization of the XRF analyzer shall irradiate the paint on a given surface causing the lead in the paint, if present, to emit a characteristic frequency of x-ray radiation. The instrument identifies and counts these x-rays to determine lead concentration. The intensity of this radiation is measured by the detector and is related to the activity of the excited electrons and the amount of lead in the paint. The lead concentration results are reported in milligrams per square centimeter (mg/cm²).

While the sample is being measured, the lead concentration is displayed on the XRF's display. The reading and spectrum data are stored by the device. The XRF analyzer provides information on the "K-shell" (high energy) and "L-shell" (low energy) leads. In most XRF analyzers, the K-shell lead reading reflects the amount of lead present in the deeper layers of paint, and the L-shell reading reflects the amount in the surface layers of paint.

Measurements were taken at points representative of all paint or varnished surfaces in the areas inspected. In order to obtain a reading, the XRF analyzer is placed with the face of the instrument flush against the surface to be tested. It is then held in place for the duration of the sample, approximately 20 source seconds or until the measurement has reached an acceptable range of accuracy as determined by the inspector. The sampling time is dependent on the age of the radioactive source inside the XRF and the accuracy desired by the inspector. The radioactive source for the Niton XL Spectrum Analyzer used at the property is 40 millicurie Cadmium¹⁰⁹. As the Cadmium¹⁰⁹ source ages, longer sampling times are necessary to maintain the same level of accuracy.

The XRF sample locations described in the table in Appendix A utilizes federal-HUD recommendations. Each sample is identified by the room function and number where the sample was taken, by the side within that room, and where applicable, by the number of the structure on that side. For the XRF orientation (sides A, B, C, & D). Satinwood Avenue is utilized as side A for every space. Side B is clockwise at 3 O'clock. Side C is 6 O'clock. Side D is 9 O'clock

SECTION 4

ANALYTICAL PROCEDURES

The XRF Performance Characteristic Sheet is attached for review at Appendix C.

SECTION 5

CONCLUSION AND RECOMMENDATIONS FOR APPROVED WORK PRACTICES AND AVOIDING DISTURBANCES

In the event that abatement or other disturbance of lead-positive or lead-containing paints is performed, the selected lead-abatement contractor is to submit a work plan that will include appropriate detail on how the contractor shall achieve compliance with all applicable local, State and federal requirements for lead work practices prior to beginning lead-related work at the subject property. The "Cal-OSHA Construction Safety Orders, Lead, Section 1532.1 (amended June 19, 2003), Title 8 CCR" shall be complied with when working with building components that have coatings that are classified as "Lead-Positive or "Lead-Containing". Refer to the attached Appendices B and C for the locations of "Lead-Positive" and "Lead-Containing" XRF readings.

Activities that will disturb lead-positive and lead-containing paints shall be avoided. Appropriate and proper work methods as outlined in local, State or federal regulation (dust control methods, wet methods, HVAC isolation, proper disposal of waste, etc.) shall be incorporated into the work plan and adhered to at all times during the project.

The contractor's work plan for the Subject Property shall highlight where lead-positive ceramic tile and lead-containing paints are to be removed. All activities, including stabilization and disturbances to lead-positive and lead-containing materials must be performed by California-DPH Lead Certified Workers with 24-hour Cal-DPH lead worker training.

SECTION 6

ABATEMENT REQUIREMENTS

Building components with lead concentrations exceeding 0.1 mg/cm² must be segregated for waste characterization sampling/analysis by the contractor prior to disposal per CA Health & Safety Code 25157.8 as well as Title 22 CCR. A summary of OSHA/EPA regulatory requirements for handling and disposal of lead containing paint can be found at www.cdph.ca.gov. The Client should provide a copy of this report and attachments to its demolition contractor. It will be the demolition contractor's sole responsibility to comply with Cal-OSHA Lead in Construction Standards for protection of his employees during building demolition.

OSHA LEAD REGULATION SUMMARY

The Federal Occupational Safety and Health Administration (OSHA) have enacted a lead standard, which was adopted by Cal/OSHA as 8 CCR 1532.1. The purpose of both standards is to protect construction workers from exposure to lead. OSHA is primarily concerned with activities that disturb paints with *any detectable amounts of lead* (>0.1 mg/cm², or 600 ppm). Lead was used in most paints until the mid 1950's and was banned in amounts in excess of 0.06% by weight in 1978 for most non-industrial paints by the Consumer Product Safety Commission (CPSC).

These standards require contractors and employers who perform paint removal activities to monitor their employees to determine whether they are being exposed in excess of the action level of 30 micrograms per cubic meter of air ($\mu\text{g}/\text{m}^3$) over an eight-hour time weighted average (TWA) or the "Permissible Exposure Limit" (PEL) of 50 $\mu\text{g}/\text{m}^3$ TWA. Monitoring is performed by personal air sampling.

Even when concentrations are below the action level, an employer must provide employees with High Efficiency Particulate Air (HEPA) filtered vacuums, wetting agents and hand-washing facilities. If the exposure exceeds the action level or the PEL, other procedures such as containing the area, local exhaust ventilation, respiratory and worker protection, worker training, decontamination facilities and medical monitoring are required.

OSHA has identified several work practices that pose varying levels of lead exposure to laborers disturbing lead-containing paint. Estimated exposure levels of lead are founded on the activity itself, rather than the concentrations of lead present in paint. Therefore, as an example, paint that contains 0.5% versus 15% of lead by weight or 0.8 mg/cm² versus 3.5 mg/cm² of lead in paint could pose the same exposure levels to workers depending on the activities that cause the disturbance and the administrative and engineering controls that are followed.

The following is a summary of work activities that disturb paint and lead-containing materials, along with the expected exposure and associated respiratory protection requirements that result as outlined in the OSHA standards:

Activities	Potential Exposure	Minimum Respiratory Protection
Class I activities include: Manual demolition, manual scraping, manual sanding, heat gun applications, general cleanup, power tool cleaning with dust collection systems and spray painting activities	$50 \mu\text{g}/\text{m}^3$ to $500 \mu\text{g}/\text{m}^3$	Half mask air purifying respirator equipped with HEPA filters having a protection factor of 10
Class II activities include: Using lead-containing mortars, lead burning, lead riveting, rivet busting, power tool cleaning without dust collection systems, cleanup of dry expendable abrasives and abrasive blasting.	$500 \mu\text{g}/\text{m}^3$ to $2,500 \mu\text{g}/\text{m}^3$	Full face powered air purifying respirators equipped with HEPA filters having a protection factor of 100
Class III activities include: Abrasive blasting, welding, cutting and torch burning on steel structures	Greater than $2,500 \mu\text{g}/\text{m}^3$	Full face supplied air respirator operated in pressure demand mode or other positive pressure mode (type "C")

Section 7

GENERAL DISCLOSURE FOR LEAD BASED AND LEAD-CONTAINING PAINTS FOR USE IN SPECIFICATIONS

The following language may be used in the event of planned renovations that will impact the lead-positive ceramic tiles and lead-containing paints. The language identifies possible lead-paint hazards and informs the contractors they are responsible for complying with all applicable lead regulations.

The Contractor and its subcontractors are required to comply with 29 CFR 1926.62 & Title 8 CCR 1532.1 the Lead in Construction Standards on this project. The regulations require Contractors to protect their employees from exposures in excess of the action level of 30 micrograms per cubic meter (ug/m³), and the Permissible Exposure Level of 50 ug/m³ of air. The Federal OSHA standard does not define the amount of lead in paint that constitutes lead containing paint; therefore, the contractor must determine the worker exposure level for any regulated activity disturbing paint containing any amount of lead. The lead sampling results for this structure are contained in Appendix 1 of this report.

Until the worker exposure level is determined, Contractors are required to provide their workers with personal protection including respirators and protective clothing while performing manual demolition, sanding, scraping, abrasive blasting, and burning of paint. If the exposure level indicates that additional worker protection and engineering controls are required for this project, they shall be provided by the Contractor. The owner of the structure shall not be charged additional costs for any additional measures required for the Contractor to comply with the Federal OSHA Lead in Construction Standard.

Prior to the commencement of lead paint disturbance, in accordance with OSHA, Contractor shall prepare a written compliance program for this project that will outline the methods, procedures and controls to be followed by the Contractor and each subcontractor during the disturbance of lead-containing paint. The Contractor's written compliance program shall be submitted to the owner prior to the start of any work covered under the lead standard.

It is the Contractor's responsibility to maintain adequate controls and conduct personal air monitoring to ensure worker safety during the duration of this work. Initial exposure assessment monitoring results shall be supplied to the owner within 48 hours of the collection of the samples.

It is the Contractor's responsibility to test lead-containing paint and debris to determine its disposal requirements. It is the Contractor's responsibility to dispose of all lead-containing waste materials in accordance with applicable hazardous waste disposal regulations.

First a Total Threshold Limit Concentration (TTLC) analysis must be done to determine if the total lead content is >350 PPM in which case the waste must be disposed as California Hazardous Waste per CA Health & Safety Code 25157.8.

If the TTLC analysis result is <50 ppm, the waste can be disposed as non-hazardous construction debris.

If the TTLC result is between 50 and 350 ppm, a Soluble Threshold Limit Concentration (STLC) analysis may be performed (Regulatory Guidance) to find out how much lead is soluble in the waste. STLC per 22 CCR. If more than 5.0 mg/l (ppm) lead then the waste must be disposed as RCRA hazardous waste in California.

If the TTLC result is higher than 350 ppm, then a Toxicity Characteristic Leaching Potential (TCLP) analysis must be performed to determine leachability. If >5.0 mg/l, then the waste is considered RCRA Hazardous waste.

RCRA: Resource Conservation Recovery Act.

How does HSC 25157.8 (from AB 2784, Strom-Martin, 1998), mandating disposal restrictions for waste with greater than 350 ppm lead, affect disposal of lead-painted building debris? Are the wastes with greater than 350-ppm lead now hazardous wastes?

This statute affects all types of wastes, including, but not limited to, those from lead abatement projects, soil from excavations, and demolition debris. According to the statute, wastes with total lead greater than 350 ppm disposed of in California must be disposed of at a Class 1 hazardous waste landfill, or at other landfills that have specific permits to accept these wastes. However, the wastes are not classed as hazardous wastes unless for another reason. The California hazardous waste threshold for total lead is 1,000 ppm and the soluble threshold concentration (STLC) for lead is 5 ppm. If the total and soluble lead levels are below these threshold concentrations, it is not a hazardous waste in California. Therefore, you do not need to use a hazardous waste manifest or registered hazardous waste transporter when transporting the waste if the only hazard is that it contains lead at greater than 350 ppm but less than 1,000 ppm (mg/kg).

SECTION 8

CONFIDENTIALITY AND LIMITATIONS

This report is prepared for the express use and benefit of Oak Park Unified School District. The information in this report or portions thereof may be required to be included in notifications to contractors or other occupants of the buildings assessed. The Client or his agents shall not use this report as a work plan for any of the work suggested or recommended in the report.

This report is based upon conditions and practices observed at the property and information made available to ETA. This report does not propose to identify all hazards or unsafe practices, or to indicate that other hazards or unsafe practices do not exist at the premises.

This survey was a client directed survey. The purpose of this investigation was designed to identify possible lead containing paints which may be disturbed during normal activities or planned renovations. ETA was not directed and/or requested to identify LBPs in any other areas of the property.

APPENDIX B
CONSULTANT'S CERTIFICATIONS

APPENDIX C

NITON, XRF ANALYER PERFORMANCE CHARACTERISTICS SHEET



October 5, 2012, (Revised November 27, 2012)

Ms. Julie Suarez
Oak Park Unified School District
5801 Conifer Street
Oak Park, CA 91377

C/O Mr. Richard Jackson
Mr. Keith Henderson
Balfour Beatty Construction

**LIMITED INVESTIGATION & ANALYSIS FOR ASBESTOS:
Brookside Elementary School, 165 Satinwood Avenue, Bldg. 200, Oak Park, CA 91377**

Dear Mrs. Suarez,

At your request Environmental Testing Associates, Inc. (ETA) conducted bulk sampling of suspect asbestos-containing material (ACM) and shipped the samples overnight to the laboratory for analysis. The objective of the investigation was to characterize building materials for the presence of asbestos prior to the planned renovation and/or disturbance of such materials at the subject property.

1.0 SAMPLING FOR ASBESTOS AND PLM ANALYSIS RESULTS

ETA representative Mr. Kevin Riley, an AHERA certified Building Inspector/ Contractor Supervisor and Mr. Bryan Hill a State of California -DOSH-Certified Asbestos Consultant (CAC #11-4725) conducted the sampling activities.

Table 1.1: Sampling of suspect-ACM was conducted on September 26, 2012, and following the provisions of 40 CFR Part 763-107. A total of 7 bulk samples were delivered to QuanTEM Laboratories an accredited laboratory located in Oklahoma City, Oklahoma. Due to multiple layers a total of 10 suspect materials were analyzed by the lab.

Table 1.2: Additional sampling of suspect-ACM was conducted on November 21, 2012, and following the provisions of 40 CFR Part 763-107. A total of 3 bulk samples were delivered to LA Testing Laboratory an accredited laboratory located in South Pasadena, California. Due to multiple layers and stop positives a total of 2 suspect materials were analyzed by the lab.

Analysis of suspect ACM samples for asbestos was performed per Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy, by QuanTEM and/or LA Testing Laboratory which are accredited by the National Voluntary Laboratory Accreditation Program for asbestos analysis of bulk samples using polarized light microscopy.

Table 1.1 – Summary of Bulk Sampling for Asbestos (Collected: 09/26/2012)

Sample ID No.	Sample Description	Asbestos Mineral Type & Percent
6 Cove Base	Brown Cove Base with Brown Mastic Brown, Homogeneous	Bldg. 200- Hallway No Asbestos Detected
6a Cove Base Mastic	Brown Cove Base with Brown Mastic Brown, Homogeneous	Bldg. 200- Hallway No Asbestos Detected

Table 1.2 – Summary of Bulk Sampling for Asbestos (Collected: 11/21/2012)

Sample ID No.	Sample Description	Asbestos Mineral Type & Percent
1 Floor Tile	9" x 9" Tan Floor Tile w/ Black Mastic Brown/Tan, Non-fibrous, homogeneous	Classroom # 210 Entrance 7% Chrysotile Asbestos
1a Mastic	9" x 9" Tan Floor Tile w/ Black Mastic Black/Beige, Non-fibrous, Heterogeneous	Classroom # 210 Entrance 10% Chrysotile Asbestos
2 Floor Tile	9" x 9" Tan Floor Tile w/ Black Mastic Brown/Tan, Non-fibrous, homogeneous	Library Corridor Stop 1 st Positive Not analyzed 7% Chrysotile Asbestos
2a Mastic	9" x 9" Tan Floor Tile w/ Black Mastic Black/Beige, Non-fibrous, Heterogeneous	Library Corridor Stop 1 st Positive Not analyzed 10% Chrysotile Asbestos
3 Floor Tile	9" x 9" Tan Floor Tile w/ Black Mastic Brown/Tan, Non-fibrous, homogeneous	Computer Lab Corridor Stop 1 st Positive Not analyzed 7% Chrysotile Asbestos
3a Mastic	9" x 9" Tan Floor Tile w/ Black Mastic Black/Beige, Non-fibrous, Heterogeneous	Computer Lab Corridor Stop 1 st Positive Not analyzed 10% Chrysotile Asbestos

See Attached "Polarized Microscopy Asbestos Analysis Report" and associated chain of custody document for additional detail regarding location of samples (Appendix A).

Based on the analytical results (above) 1% asbestos was detected in the samples collected as listed in the locations as shown above. The removal of these materials tested is regulated as ACM in the State of California.

2.0 RECOMMENDATIONS

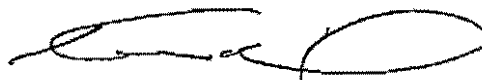
Due to the findings, removal of these items, by renovations or demolition, is required to be performed by a California-licensed and registered asbestos abatement contractor.

This report should be kept as part of the permanent archive of the subject property. If you have any questions or comments concerning this information or this report, please contact our office.

Yours very truly,
ENVIRONMENTAL TESTING ASSOCIATES, INC.



Mr. John Mitchell, Project Manager
CAC 97-2289



Kevin R. Riley, President
NIOSH 582 Certification # 120400LA-06

APPENDIX A

ANALYTICAL DATA

321220137-



CHAIN OF CUSTODY

L.A. TESTING

159 Pasadena Avenue, South Pasadena CA 91030
Phone: 800.303.0047 Fax: 323.254.9982

12100 Wilshire Blvd. Ste. 1100, Los Angeles, CA 90025 Phone: 800.550.7806 Fax: 818.707.2726

Project Name: BROOKSIDE ELEM - Bldg #200 Email: Kriley@etatesting.com Inspector: B. Hill

Project Address: 165 N. SANDWOOD, OAK PARK, CA 91377

Client Name: OPUSD Contact # J. SANCHEZ Date 11/26/12

Sample #	Sample Description	Type	Volume	Code	Comments	H/T
1	CLASSROOM #210 ENTRANCE	PAK	1,000ft ²	PLM		
2	LIBRARY CORRIDOR ENTRANCE	PAK	1,000ft ²	PLM		
3	COMPUTER LAB CORRIDOR ENTRANCE	PAK	2,000ft ²	PLM		

Relinquished by: B. Hill DATE: 11/26/12 TIME: _____

Received by: [Signature] (W) DATE: 11-26-12 TIME: 3:40pm

LA Testing Order No. _____
Sample(s) received in good condition? (Y) (N)
Discernable field blank submitted? (Y) (N)

Requested Analysis Circle one: Standard TAT 24Hour RUSH: Same Day 6 Hour 3 Hour Page 1 of 1

** * * * * 21st Pos. (1/1 or less)*



LA Testing
 520 Mission Street, South Pasadena, CA 91630
 Phone/Fax (323) 254-9960 / (323) 254-9982
<http://www.latesting.com> pasadenalab@latesting.com

LA Testing Order: 321220137
 CustomerID: 32ETAS62
 CustomerPO:
 ProjectID:

Attn: **Kevin Riley**
Environmental Testing Associates
850 Hampshire Rd
Suite G
Westlake Village, CA 91361

Phone: (800) 550-7806
 Fax: (805) 497-7477
 Received: 11/26/12 3:40 PM
 Analysis Date: 11/26/2012
 Collected:

Project: **Brookside Elem - Bldg #200, 165 N. Satinwood**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-Floor Tile 321220137-0001	Classroom #210 Entrance	Brown Non-Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile
1-Mastic 321220137-0001A	Classroom #210 Entrance	Black/Beige Non-Fibrous Heterogeneous		90% Non-fibrous (other)	10% Chrysotile
2 321220137-0002	Library Corridor Entrance				Stop Positive (Not Analyzed)
3 321220137-0003	Computer Lab Corridor Entrance				Stop Positive (Not Analyzed)

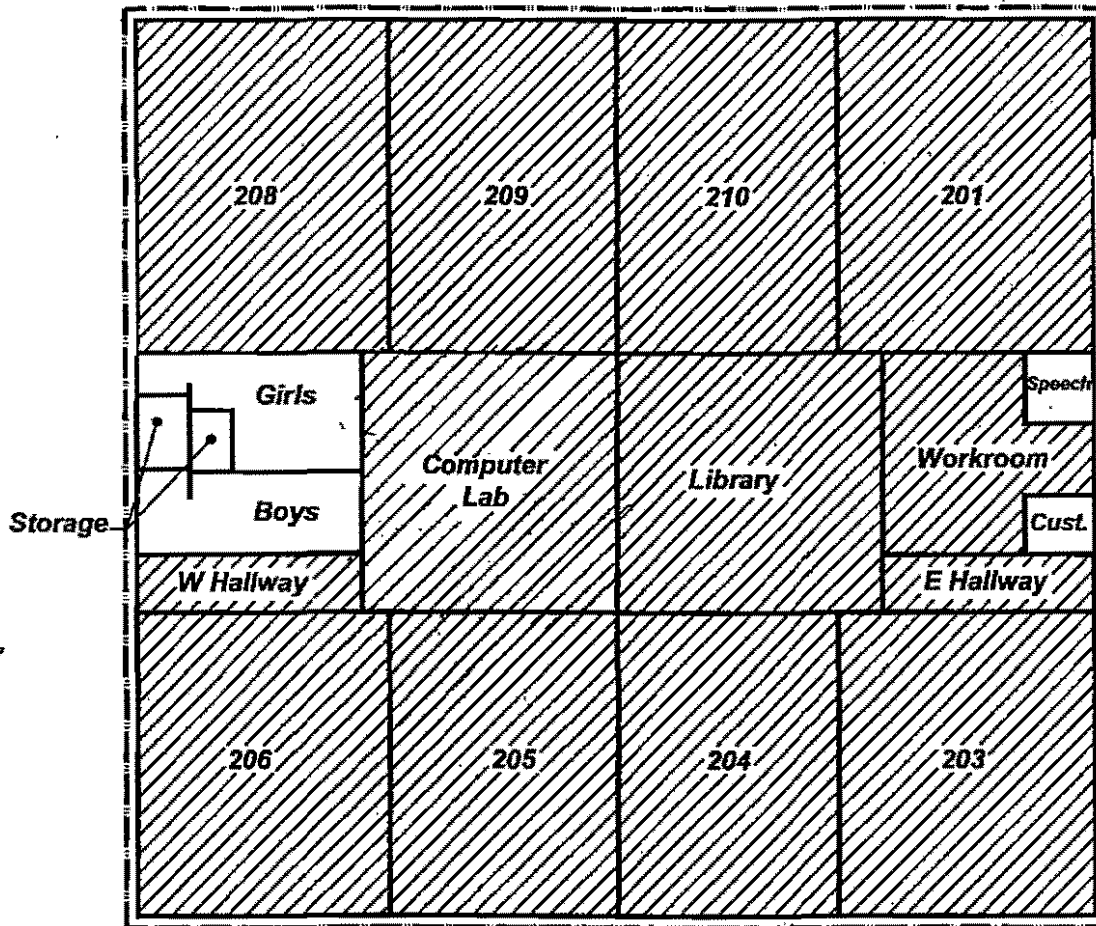
Analyst(s)

Kieu-anh Pham Duong (2)

Jerry Drapala Ph.D, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-triable organically bound materials present a problem matrix and therefore EMSL recommends grammatic reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

initial report from 11/26/2012 16:14:23




















Building 200



KEY PLAN

Not to Scale

	FLOOR TILE/FLOOR TILE MASTIC		DRYWALL/JOINT COMPOUND		KILN
	SPRAY-ON/ACOUSTICAL CEILING MATERIAL		PIPE JOINT/ELBOW		BOILER INSULATION
	CEILING TILE		SINK INSULATION		FIREDOOR
	TSI		EXPANSION JOINT		GASKET
	CEMENT PANEL		VIBRATION DAMPER		DUCT MASTIC
	CAULK				
	STUCCO				

BUILDING 200
3-YEAR AHERA ASBESTOS REINSPECTION
BROOKSIDE ELEMENTARY SCHOOL
165 NORTH SATINWOOD DRIVE
OAK PARK, CALIFORNIA 91301

VATC Associates Inc.
 25 Cupania Circle, Monterey Park, CA 91755
 (323) 517-9780
 ATC Project No. 52.35369.0001 **TASK: 16**

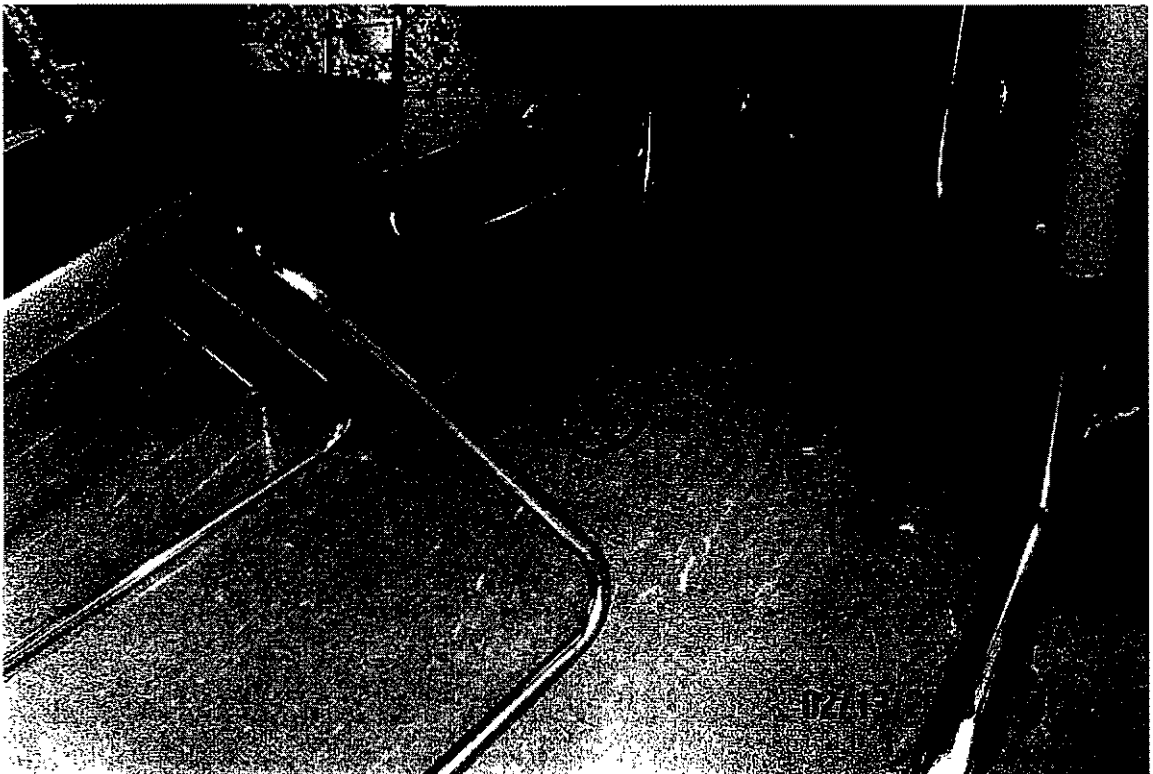
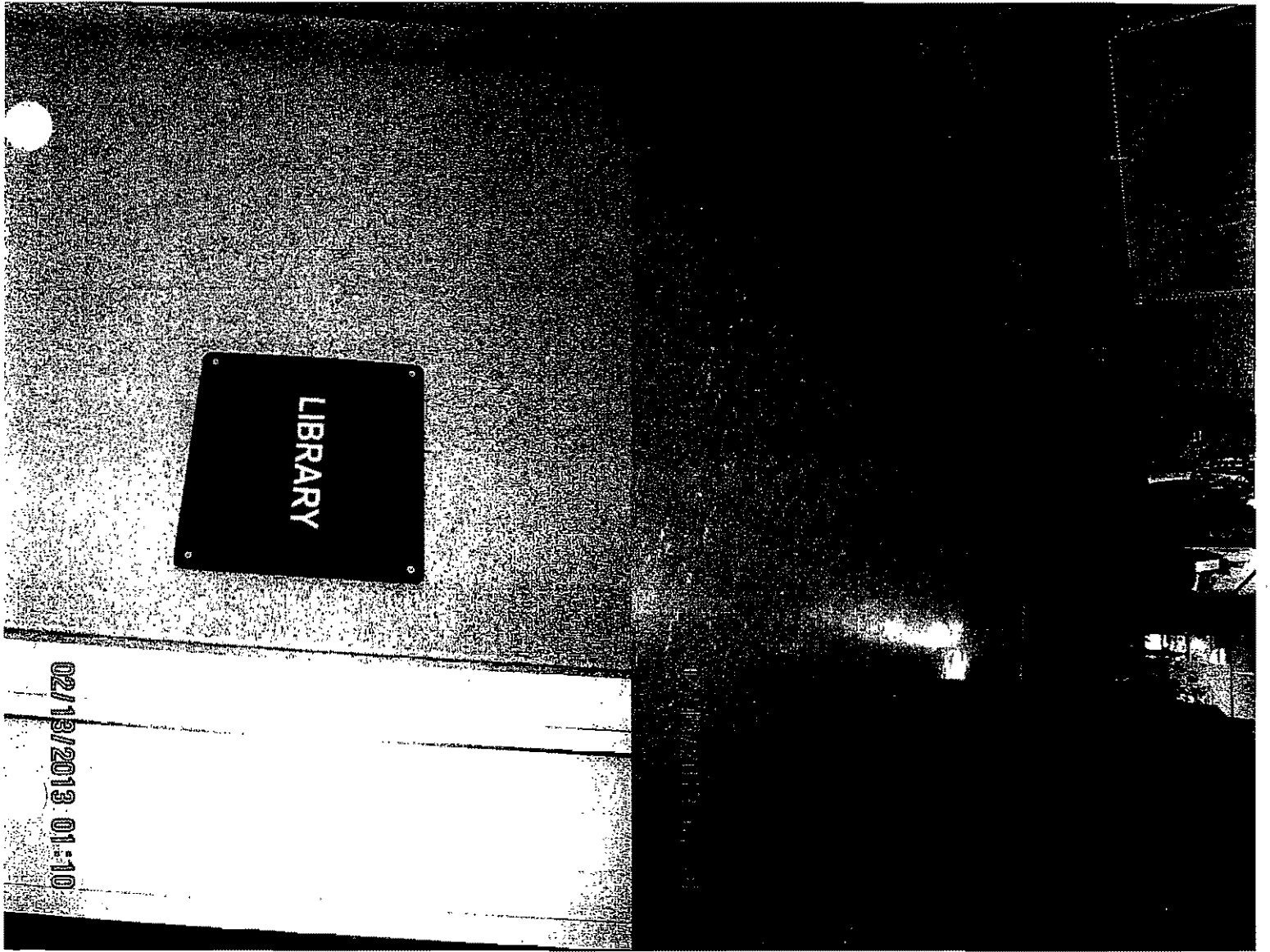
**Table 1. Survey Results by Functional Area
 (Positives Only)**

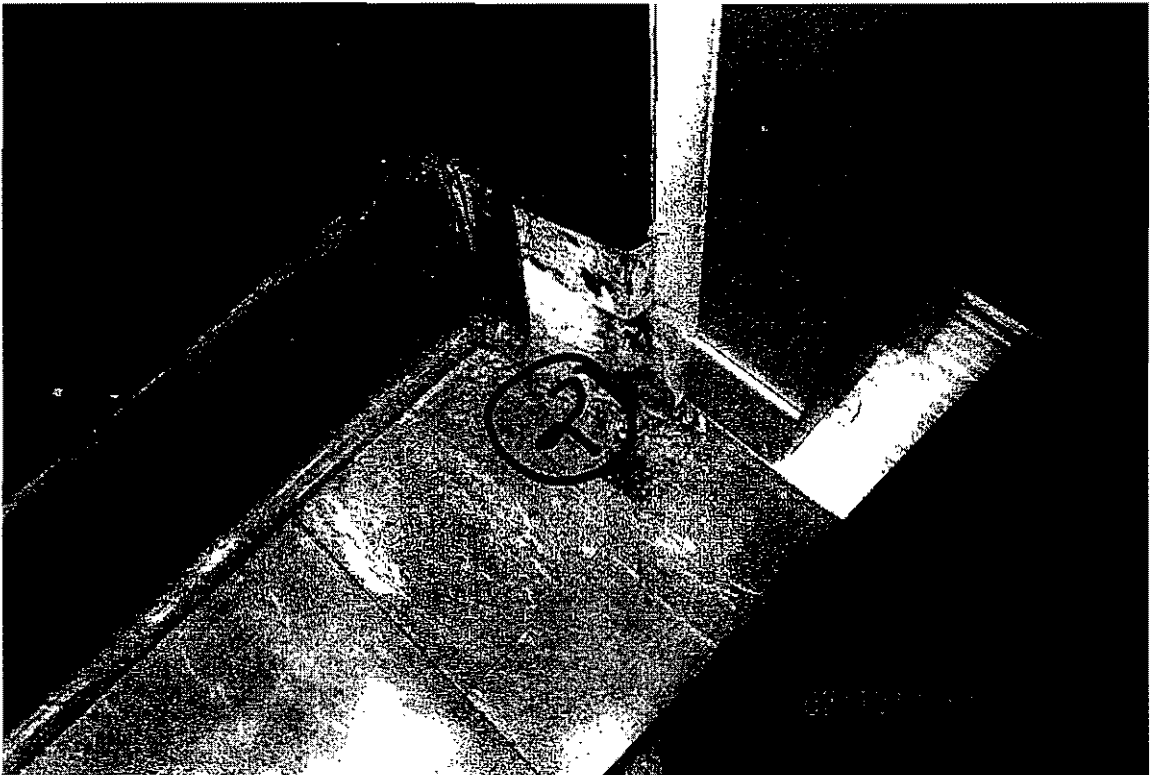
Building	Room	Functional Area	Material	Test Result	Quantity	Number of Samples	Response	Comment
100	101	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	315 SF	0	8	
100	102	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	315 SF	0	8	
100	Exterior	Exterior	Stucco	Yes, Non-Friable	3,400 SF	0	8	
200	201	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
200	203	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
200	204	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	90 SF	0	8	75% Under Carpet
200	205	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	900 SF	0	8	75% Under Carpet
200	206	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
200	208	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
200	209	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	900 SF	0	8	75% Under Carpet
200	210	Classroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	900 SF	0	8	75% Under Carpet
200	E Hallway	Hallway	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	170 SF	0	8	
200	Exterior	Exterior	Stucco	Yes, Non-Friable	4,200 SF	0	8	
200	Library	Library	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	1,040 SF	0	8	Under Carpet
200	W Hallway	Hallway	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	170 SF	0	8	
200	Workroom	Workroom	9"x9" Vinyl Tile, Tan	Yes, Non-Friable	425 SF	0	8	
300	301	Classroom	12"x12" Vinyl Tile, Tan	Yes, Non-Friable	160 SF	0	8	

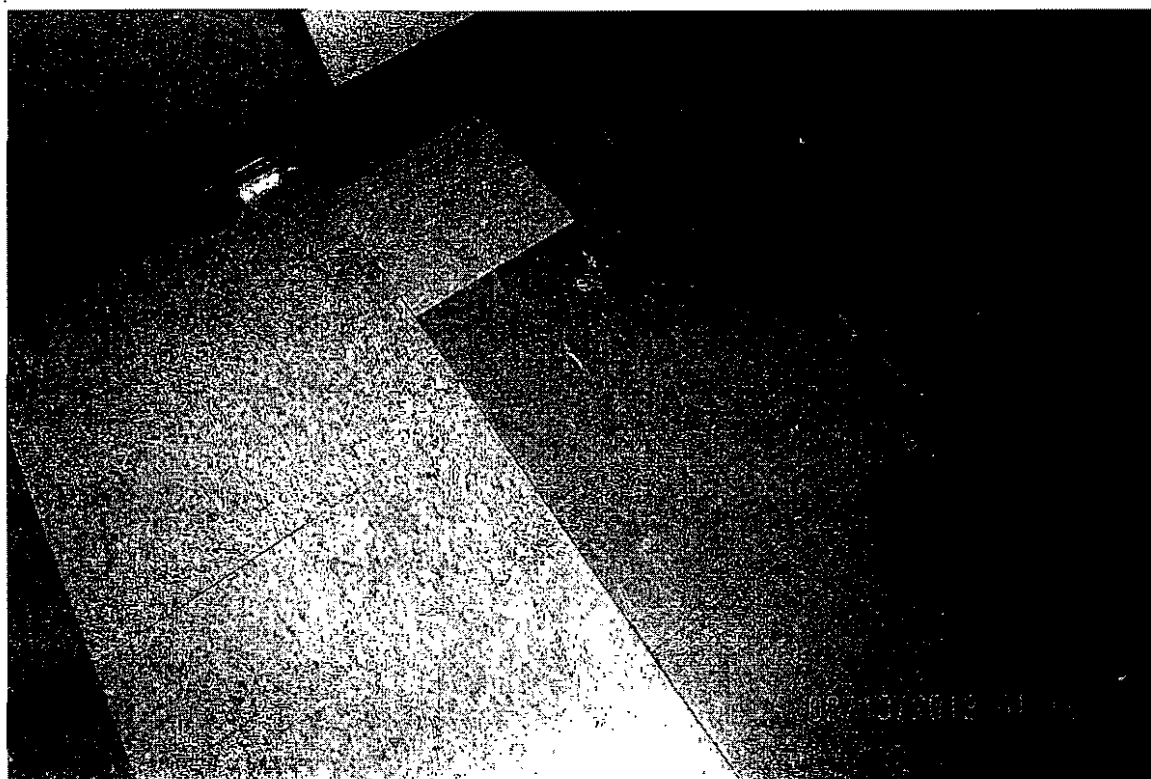
3-YEAR AHERA ASBESTOS REINSPECTION
 Brookside Elementary School
 165 Satinwood Avenue
 Oak Park, California 91301

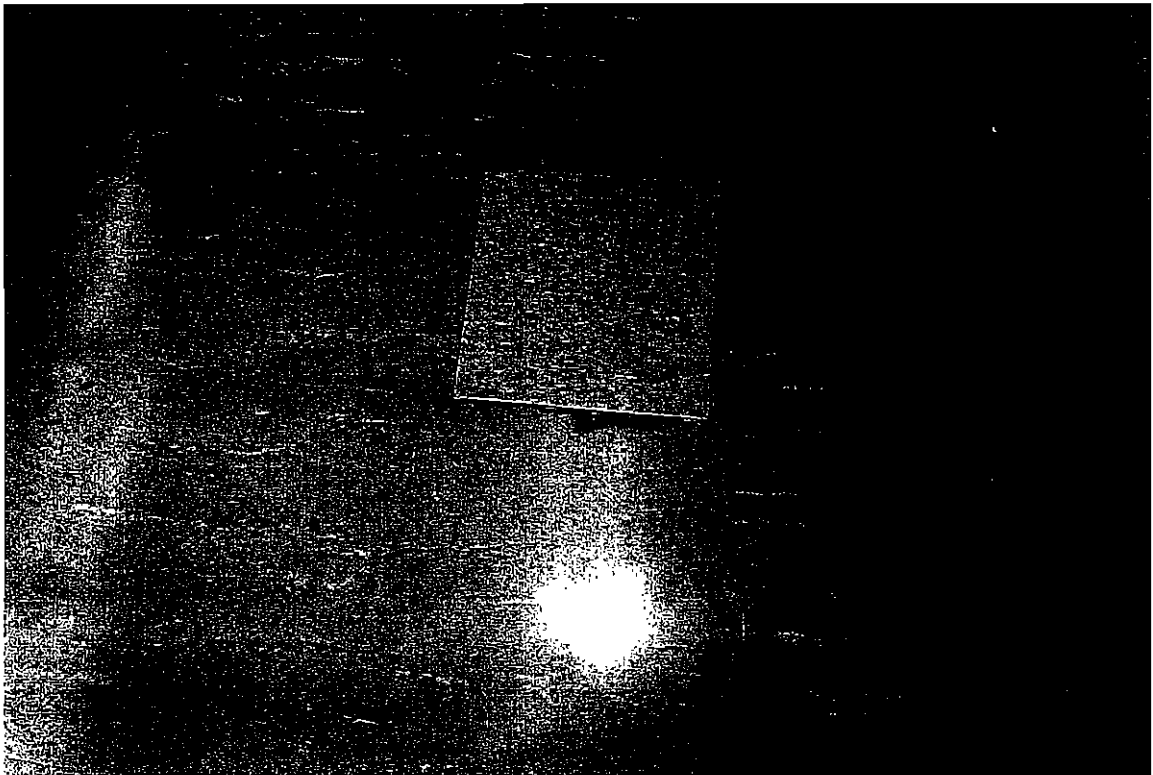
HA	Building	Room	Functional Area	CVI	Quantity	Hazard	Response	Comments
9"x9" Vinyl Tile, Tan	200	201	Classroom	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	203	Classroom	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	204	Classroom	Yes, Non-Friable	90 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	205	Classroom	Yes, Non-Friable	900 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	206	Classroom	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	208	Classroom	Yes, Non-Friable	960 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	209	Classroom	Yes, Non-Friable	900 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	210	Classroom	Yes, Non-Friable	900 SF	0	8	75% Under Carpet
9"x9" Vinyl Tile, Tan	200	E Hallway	Hallway	Yes, Non-Friable	170 SF	0	8	
9"x9" Vinyl Tile, Tan	200	Library	Library	Yes, Non-Friable	1,040 SF	0	8	Under Carpet
9"x9" Vinyl Tile, Tan	200	W Hallway	Hallway	Yes, Non-Friable	170 SF	0	8	
9"x9" Vinyl Tile, Tan	200	Workroom	Workroom	Yes, Non-Friable	425 SF	0	8	
Stucco	100	Exterior	Exterior	Yes, Non-Friable	3,400 SF	0	8	
Stucco	200	Exterior	Exterior	Yes, Non-Friable	4,200 SF	0	8	
Stucco	300	Exterior	Exterior	Yes, Non-Friable	4,200 SF	0	8	

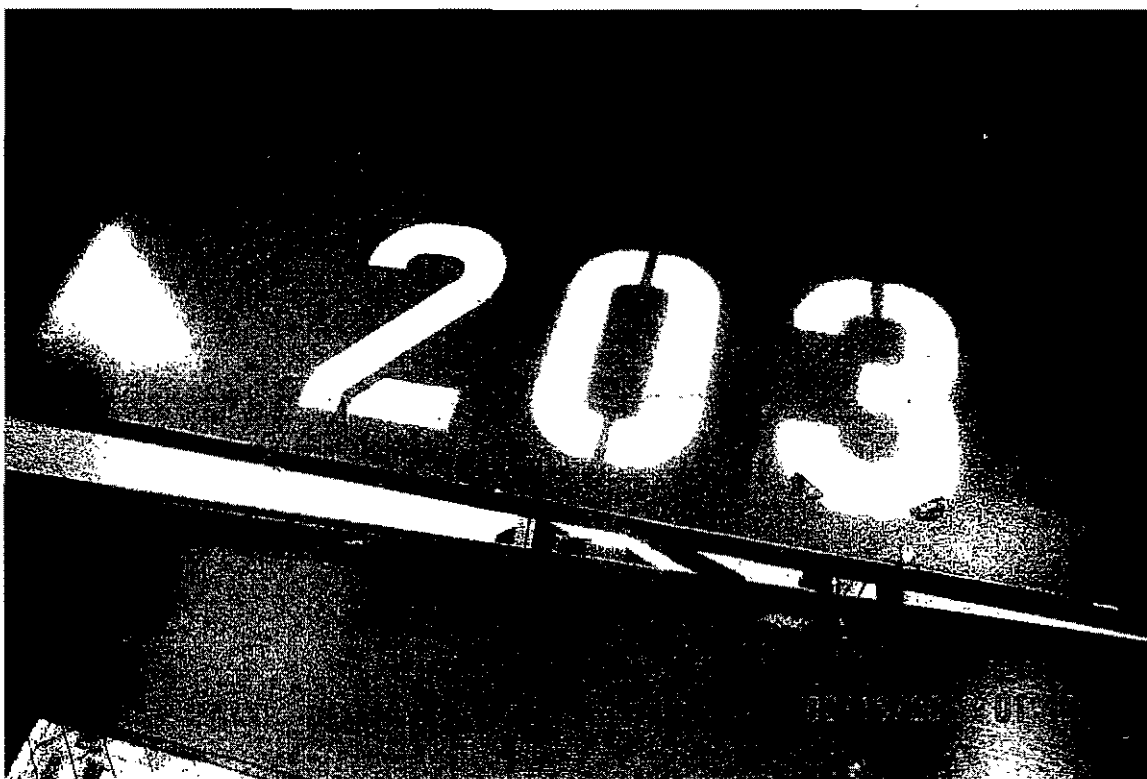
* HA's shaded indicate locations where a difference was noted during the reinspection.





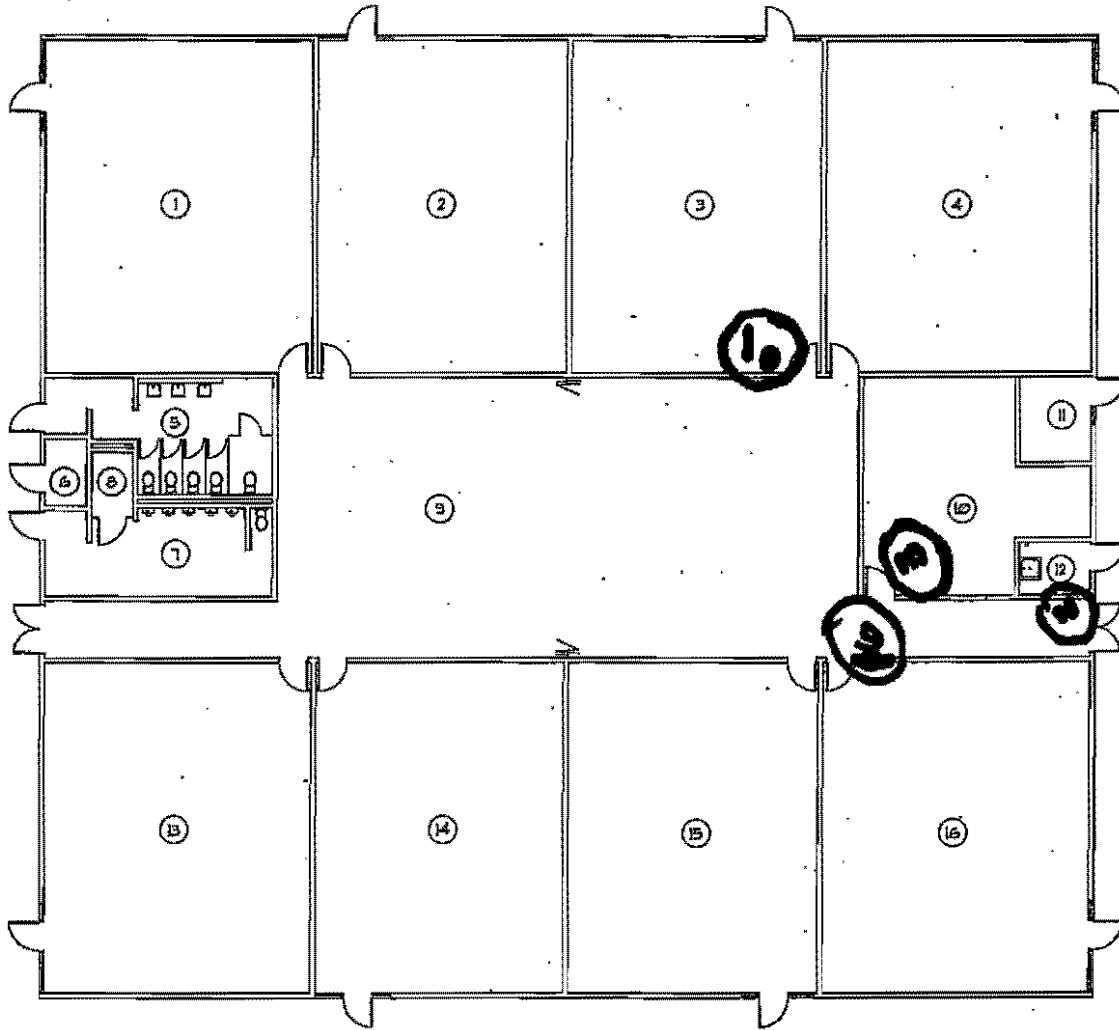






OAK PARK UNIFIED SCHOOL DISTRICT
 BROOKSIDE ELEMENTARY SCHOOL
 165 NORTH SATINWOOD DR, OAK PARK, CA 91301

O.P.S.C. APPL. No. XXXXXXXXXX
 Modernization/Reconstruction



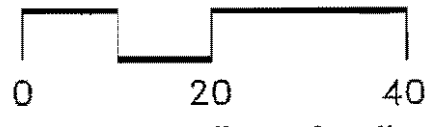
BUILDING 200

LEGEND:

- | | |
|-------------------------|---------------------|
| 1. CLASSROOM #208 | 11. ELECTRICAL ROOM |
| 2. CLASSROOM #209 | 12. JANITOR'S |
| 3. CLASSROOM #210 | 13. CLASSROOM #206 |
| 4. CLASSROOM #201 | 14. CLASSROOM #205 |
| 5. GIRLS' TOILET | 15. CLASSROOM #204 |
| 6. STORAGE | 16. CLASSROOM #203 |
| 7. BOYS' TOILET | |
| 8. STORAGE | |
| 9. LIBRARY/MEDIA CENTER | |
| 10. TEACHERS' WORKROOM | |

OCTOBER 2000

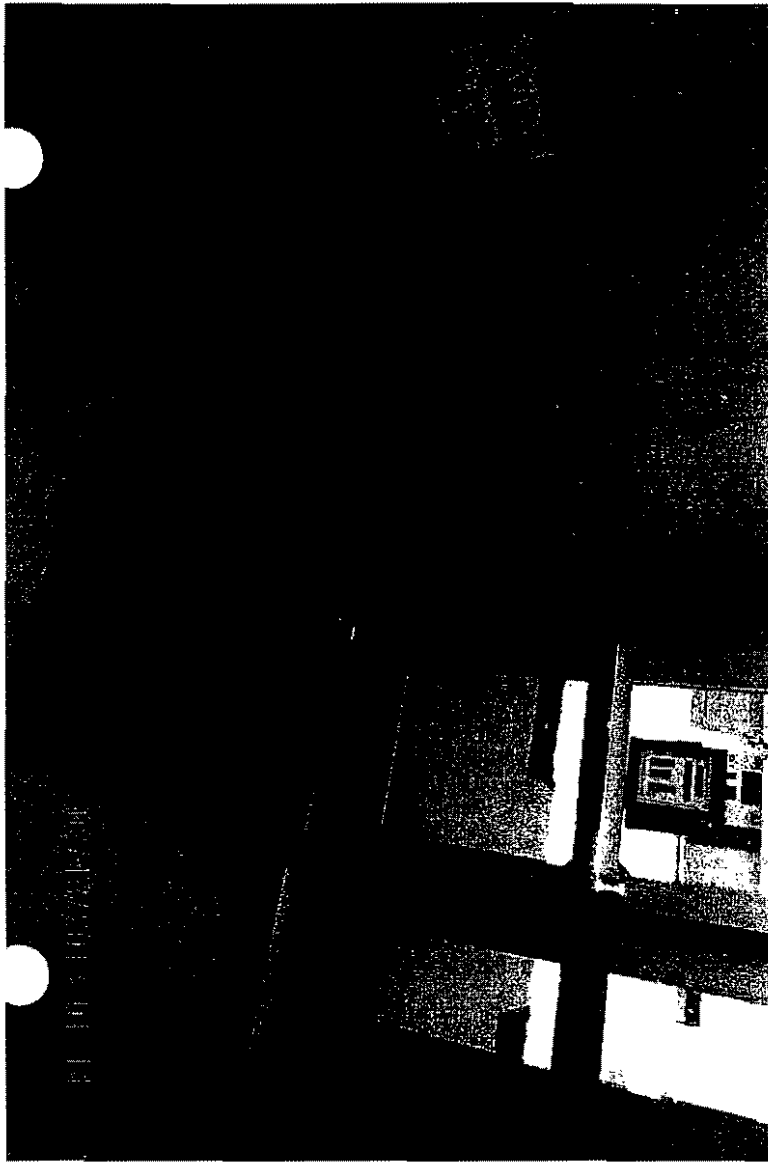
Date



Oak Park Unified School District
Brookside Elementary School
165 North Satinwood Drive
Oak Park, CA 91301

3A Diagram
OPSC Application NO. XX

Description	Dimensions	Sub total (sq. ft.)	Full Area (sq. ft.)
CLASSROOM BUILDING (UNIT 200)			
1	CLASSROOM		961
2	CLASSROOM		903
3	CLASSROOM		903
4	CLASSROOM		961
5	GIRLS' TOILET		231
6	STORAGE		30
7	BOYS' TOILET		213
8	STORAGE		29
9	LIBRARY/MEDIA CENTER		2,082
10	TEACHERS' WORKROOM		424
11	ELECTRICAL ROOM		68
12	JANITOR'S		41
13	CLASSROOM		961
14	CLASSROOM		903
15	CLASSROOM		903
16	CLASSROOM		961
		TOTAL	10,574





KPI Architects Inc.

Architecture, Planning, Interior Design

650 East Parkridge Avenue, Suite 105, Corona, California 92879

DATE: February 1, 2013

PAGE 1 OF 2

PROJECT: BROOKSIDE ELEMENTARY SCHOOL MOD - BUILDING B/200 (BID/CA)
OAK PARK UNIFIED SCHOOL DISTRICT

JOB NO. 234808

COLOR SELECTION REPORT

MK.	MFG.	TRADE NAME	MFG. NO.	COLOR	DESCRIPTION
1A	ARMSTRONG	STANDARD EXCELON	51933	BLUE CLOUD	VINYL COMPOSITION TILE FIELD COLOR
1B	ARMSTRONG	STANDARD EXCELON	51882	SERENE BLUE	VINYL COMPOSITION TILE ACCENT COLOR
2	BURKE	UNI-COLOR	323	BLUEBONNET	RUBBER BASE
3A	WILSONART		D439-60	WALLABY	BASE CABINETS
3B	WILSONART		D26-60	ATLANTIS	TALL/UPPER CABINETS
3C	WILSONART		4674	EVENING TIGRIS	COUNTERTOP AND BACKSPLASH
3D	FORMICA		851-58	SPECTRUM BLUE	ACCENT LAMINATE COLOR NO. 1 - LIBRARY ROOM B-18
3E	FORMICA		845-58	SPECTRUM RED	ACCENT LAMINATE COLOR NO. 2 - LIBRARY ROOM B-18
3F	FORMICA		3699-58	RATTAN CANE	BASE CABINETS AND TALL CABINET FRONTS - LIBRARY ROOM B-18
4A	DALTILE	KEYSTONE	D161	URBAN PUTTY	FLOOR TILE, FIELD COLOR
4B	DALTILE	KEYSTONE	D166	ELEMENTAL TAN	FLOOR TILE, ACCCENT COLOR, 10% OF FLOOR
4C	DALTILE	KEYSTONE	D469	GALAXY	FLOOR TILE, ACCENT COLOR, 10% OF FLOOR
5A	DALTILE		761	URBAN PUTTY	WALL TILE, FIELD
5B	DALTILE		166	ELEMENTAL TAN	WALL TILE, ACCENT COLORS 1
5C	DALTILE		1469	GALAXY	WALL TILE, ACCENT COLORS 2



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DATE: February 1, 2013

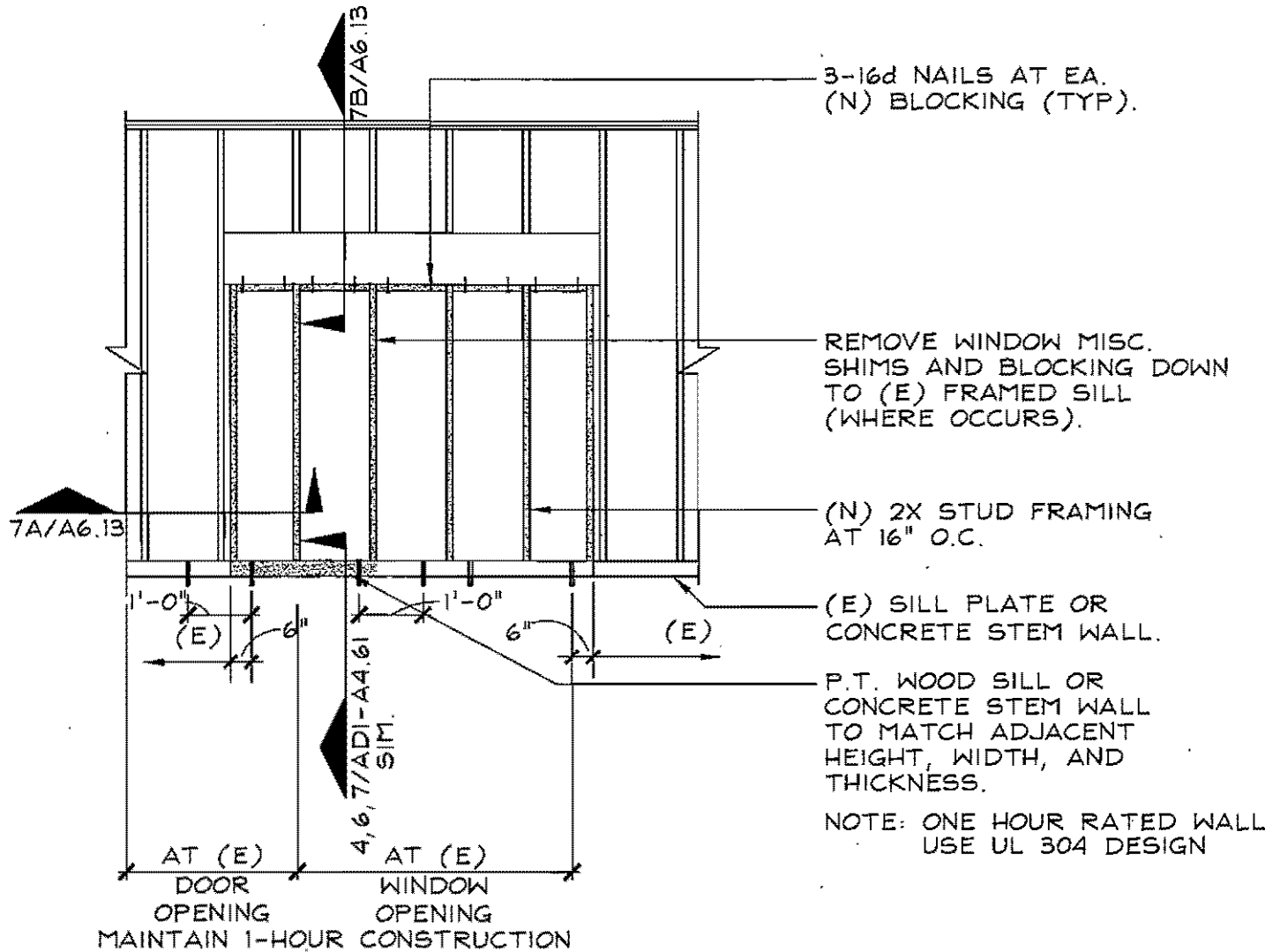
PAGE 2 OF 2

PROJECT: BROOKSIDE ELEMENTARY SCHOOL MOD - BUILDING B/200 (BID/CA)
OAK PARK UNIFIED SCHOOL DISTRICT

JOB NO. 234808

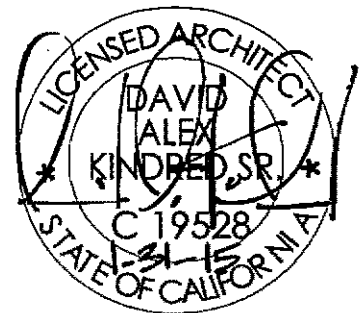
COLOR SELECTION REPORT

MK.	MFG.	TRADE NAME	MFG. NO.	COLOR	DESCRIPTION
6A	SHAW	ROWS	402	MYSTICAL AZURE	FIELD CARPET TILE THROUGHOUT (DISTRICT STANDARD CARPET)
6B	PHILADELPHIA COMMERICAL	COLOR ACCENTS	62407	BLUE	ACCENT CARPET TILE COLOR NO. 1 - LIBRARY ROOM B-18
6C	PHILADELPHIA COMMERICAL	COLOR ACCENTS	62855	CLEAR RED	ACCENT CARPET TILE COLOR NO. 2 - LIBRARY ROOM B-18
7A	DUNN EDWARDS		DEC799	WHARF VIEW	DOOR/WINDOW FRAME
7B	DUNN EDWARDS		DE6128	SAND DUNE	CLASSROOM WALL COLOR BELOW TRIM
7C	DUNN EDWARDS		DEC757	COCOA	WALL TRIM
7D	DUNN EDWARDS		DE5883	DRENCHED RAIN	CLASSROOM WALL COLOR ABOVE TRIM
8	SCRANTON			BLUEBERRY	TOILET PARTITION
9	MAPEI		04	BAHAMA BEIGE	WALL/FLOOR GROUT
10A	KOROSEAL	SPELLBOUND	8821-13	WHISPERS	VINYL WALL COVERING (DISTRICT STANDARD) - LIBRARY ROOM B-18
11	SMITH AND FONG COMPANY	PLYBOOSTRAND	FL- P3836PH- NAUF	SAHARA	BAMBOO FLOORING - IN HALL B-08



6 INFILL FRAMING AT EXISTING OPENING

SCALE: NONE



Brookside Elementary School Building B (Bid and CA)



KPI ARCHITECTS INC.
ARCHITECTURE, PLANNING, INTERIOR DESIGN
650 EAST PARKRIDGE AVENUE, SUITE 105
CORONA, CALIFORNIA 92879-1092
PHONE: (800) 366-6381 FAX: (877) 493-2059

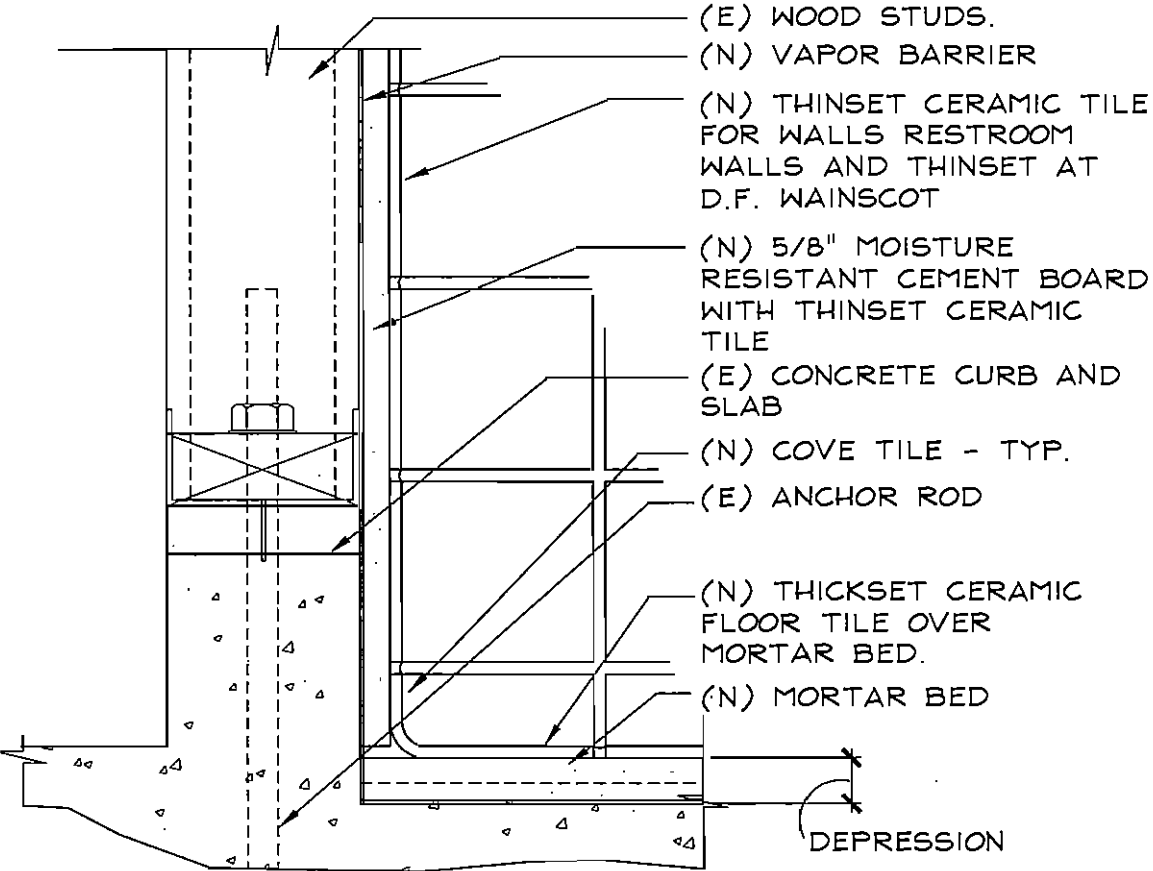
OAK PARK UNIFIED SCHOOL DISTRICT

DRAWING NO.

AD1-1

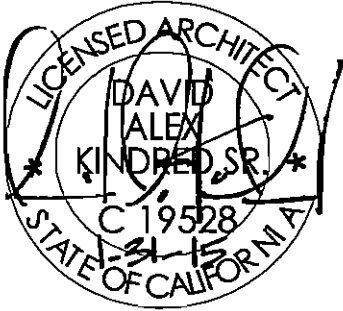
DATE: January 7, 2013

PROJECT NO.: 234808



13 COVED CERAMIC TILE BASE

SCALE: 3" = 1'-0"



Brookside Elementary School Building B (Bid and CA)



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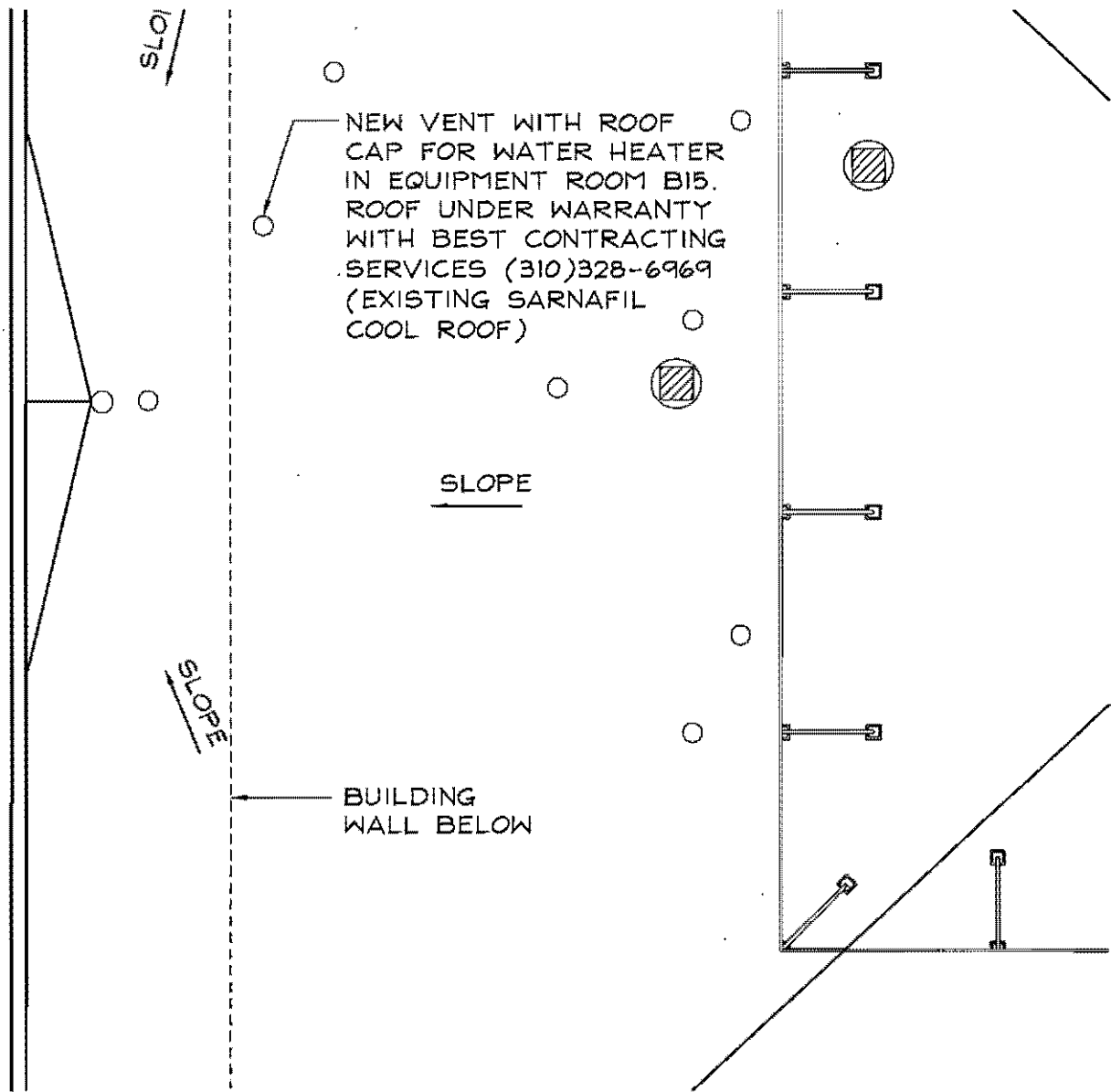
OAK PARK UNIFIED SCHOOL DISTRICT

DRAWING NO.

AD1-2

DATE: January 7, 2013

PROJECT NO.: 234808



PARTIAL ROOF PLAN

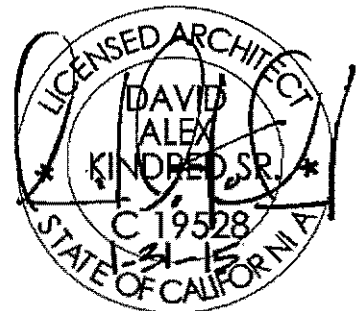
SCALE: 1/8" = 1'-0"

BUILDING B

NOTE: REFER TO MECHANICAL AND PLUMBING DRAWINGS



PLAN
NORTH



Brookside Elementary School Building B (Bid and CA)



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PHONE: (800) 366-6381 FAX: (877) 493-2059

OAK PARK UNIFIED SCHOOL DISTRICT

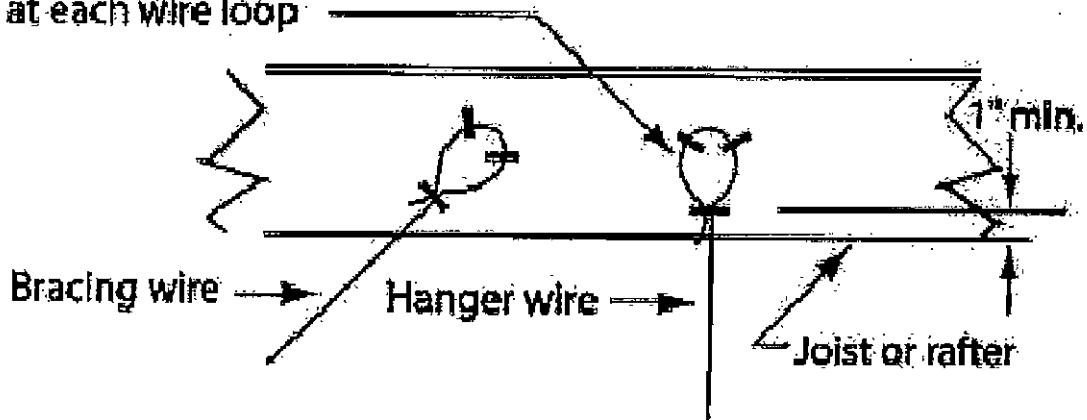
DRAWING NO.

AD1-3

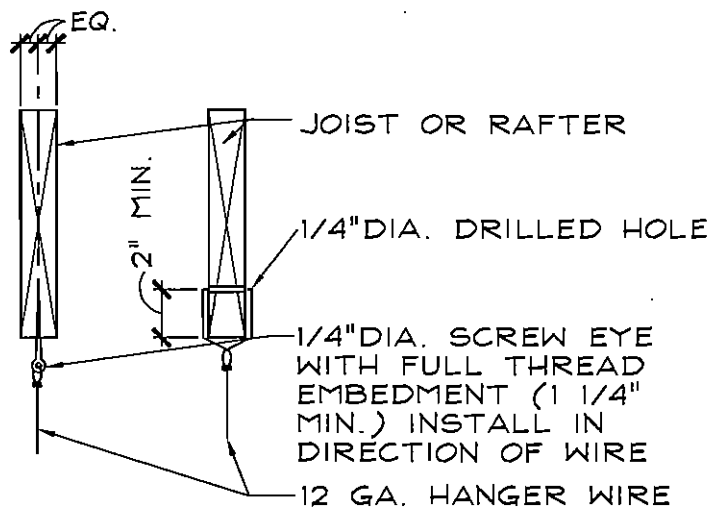
DATE: January 7, 2013

PROJECT NO.: 234808

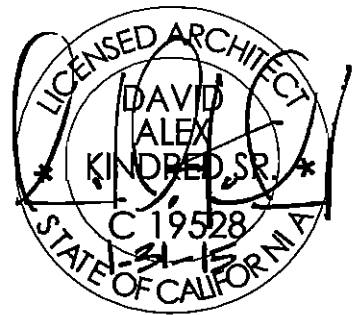
Three 1 1/2" x 9 ga. staples or 3-stronghold 3/4" nails
at each wire loop



B. WOOD JOIST OR RAFTER



E. HANGER WIRE AT BOTTOM OF WOOD JOIST OR RAFTER



9 SUSPENSION WIRE CONNECTION TO OVERHEAD STRUCTURE

SCALE: 1 1/2" = 1'-0"

Brookside Elementary School Building B (Bid and CA)

OAK PARK UNIFIED SCHOOL DISTRICT

DRAWING NO.

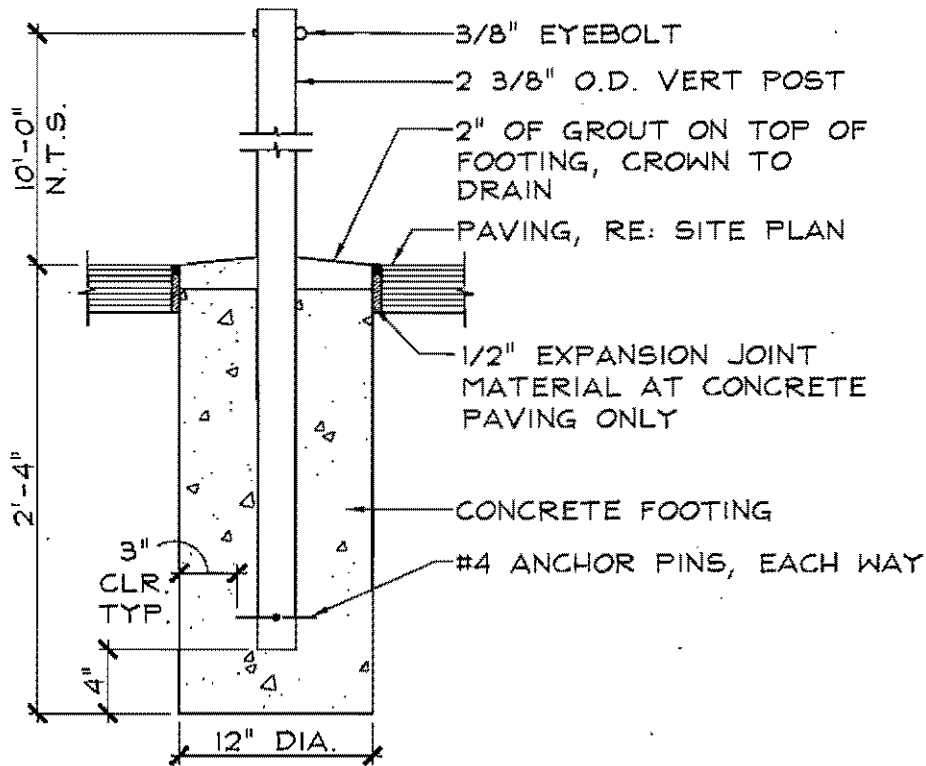
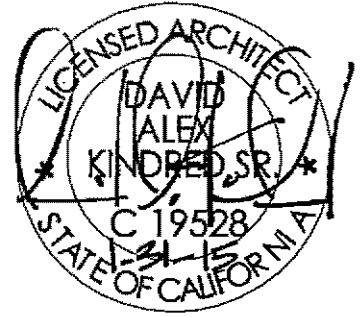
DATE: January 7, 2013

AD1-4

PROJECT NO.: 234808



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CORONA, CALIFORNIA 92879-1092
PHONE: (800) 366-6381 FAX: (877) 493-2059



TETHER BALL POST DETAIL

SCALE: 1" = 1'-0"

REMOVE (1) DAMAGED TETHER BALL
POLE NEAR SOUTHEAST CORNER OF
BUILDING B AND INSTALL NEW PER
THIS DETAIL

Brookside Elementary School Building B (Bid and CA)



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650 EAST PARKRIDGE AVENUE, SUITE 105
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PHONE: (800) 366-6381 FAX: (877) 493-2059

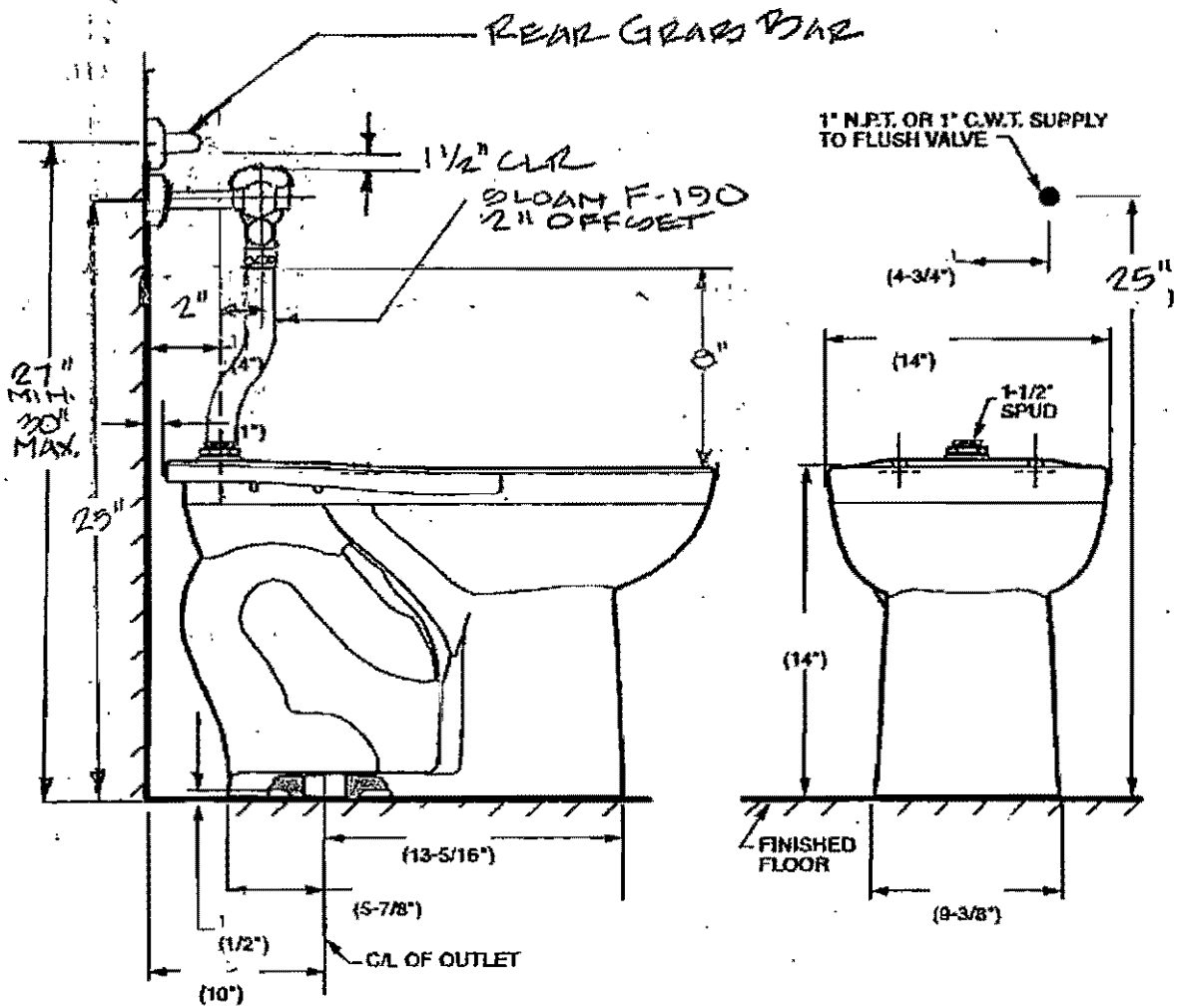
OAK PARK UNIFIED SCHOOL DISTRICT

DRAWING NO.

AD1-5

DATE: January 7, 2013

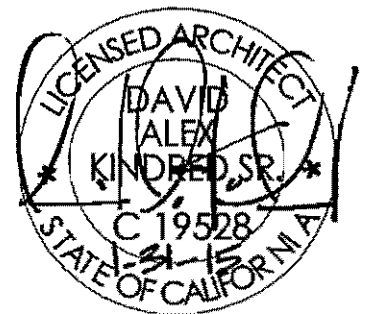
PROJECT NO.: 234808



FLUSH VALVE DETAIL

SCALE: 1 1/2" = 1'-0"

RE: PLUMBING DRAWINGS



Brookside Elementary School Building B (Bid and CA)



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CORONA, CALIFORNIA 92879-1092
PHONE: (800) 366-6381 FAX: (877) 493-2059

OAK PARK UNIFIED SCHOOL DISTRICT

DRAWING NO.

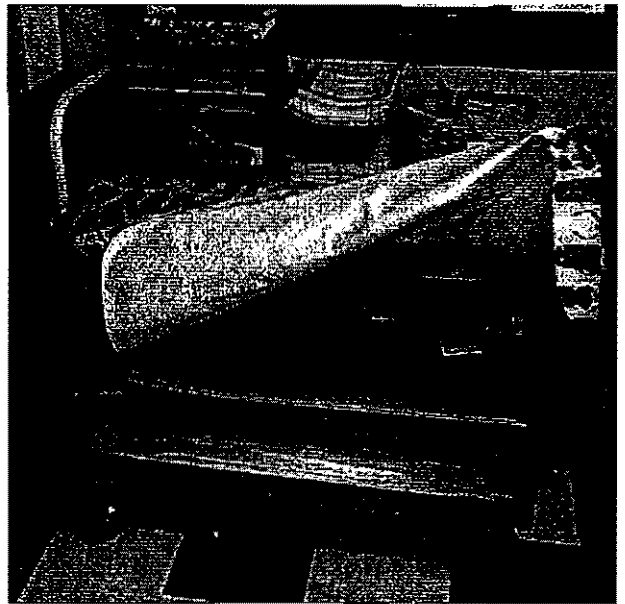
AD1-6

DATE: January 7, 2013

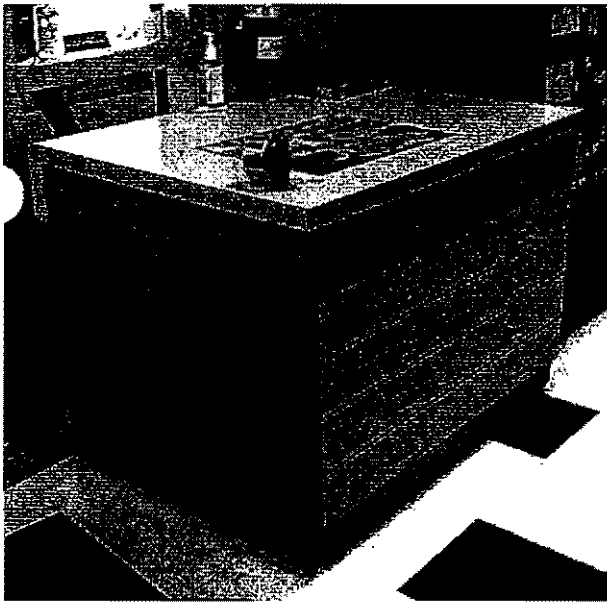
PROJECT NO.: 234808



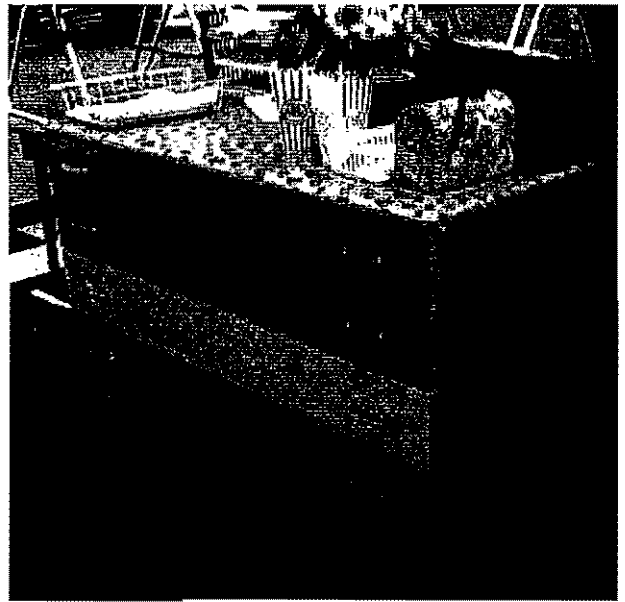
TYPE 1 - 6 DRAWER, ROLLING
QUANTITY - 5
SCOPE - REFURBISH, CURRENT LAYOUT



TYPE 2 - OPEN SHELVES, VARYING LAYOUTS
QUANTITY - 4 (ROLLING), 1 (STATIONARY)
SCOPE - REFURBISH, REMOVE SHELVES,
CONVERT TO TYPE 3



TYPE 3 - 5 DRAWER, ROLLING
QUANTITY - 5
SCOPE - REFURBISH, CURRENT LAYOUT



TYPE 4 - 4 DRAWER, STATIONARY
QUANTITY - 1
SCOPE - REFURBISH, CURRENT LAYOUT

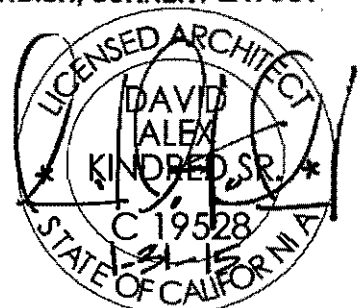
ROLLING CARTS

SCALE: NONE

TYPICAL APPROX. SIZE = 41"W x 30"H x 31"D

REFURBISH ROLLING CARTS WITH NEW PLASTIC LAMINATE AND HARDWARE TO MATCH BUILT-IN CASEWORK SCOPE OF WORK. EXAMPLES SHOWN ABOVE. REVIEW WITH OWNER TO CONFIRM SCOPE OF WORK, QUANTITY AND LOCATIONS.

Brookside Elementary School Building B (Bid and CA)



KPI ARCHITECTS INC.
ARCHITECTURE, PLANNING, INTERIOR DESIGN
650 EAST PARKRIDGE AVENUE, SUITE 105
CORONA, CALIFORNIA 92879-1092
PHONE: (800) 366-6381 FAX: (877) 493-2059

OAK PARK UNIFIED SCHOOL DISTRICT

DRAWING NO.

AD1-7

DATE: January 7, 2013

PROJECT NO.: 234808