





**gkkworks**  
 155 South Fair Oaks, 2nd Floor  
 Pasadena | CA 91105  
 626 666 6906  
 626 666 3940 fax



Consultant and Seal

Agency Approval

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP# 113709  
 AC FILED 08/09/11  
 DATE APR 04 2013

No. Date Revision / Issue

Project Name

**BLAIR IB MAGNET SCHOOL  
 MODERNIZATION PROJECT**  
 1201 SOUTH MARENGO AVENUE, PASADENA,  
 CALIFORNIA 91106

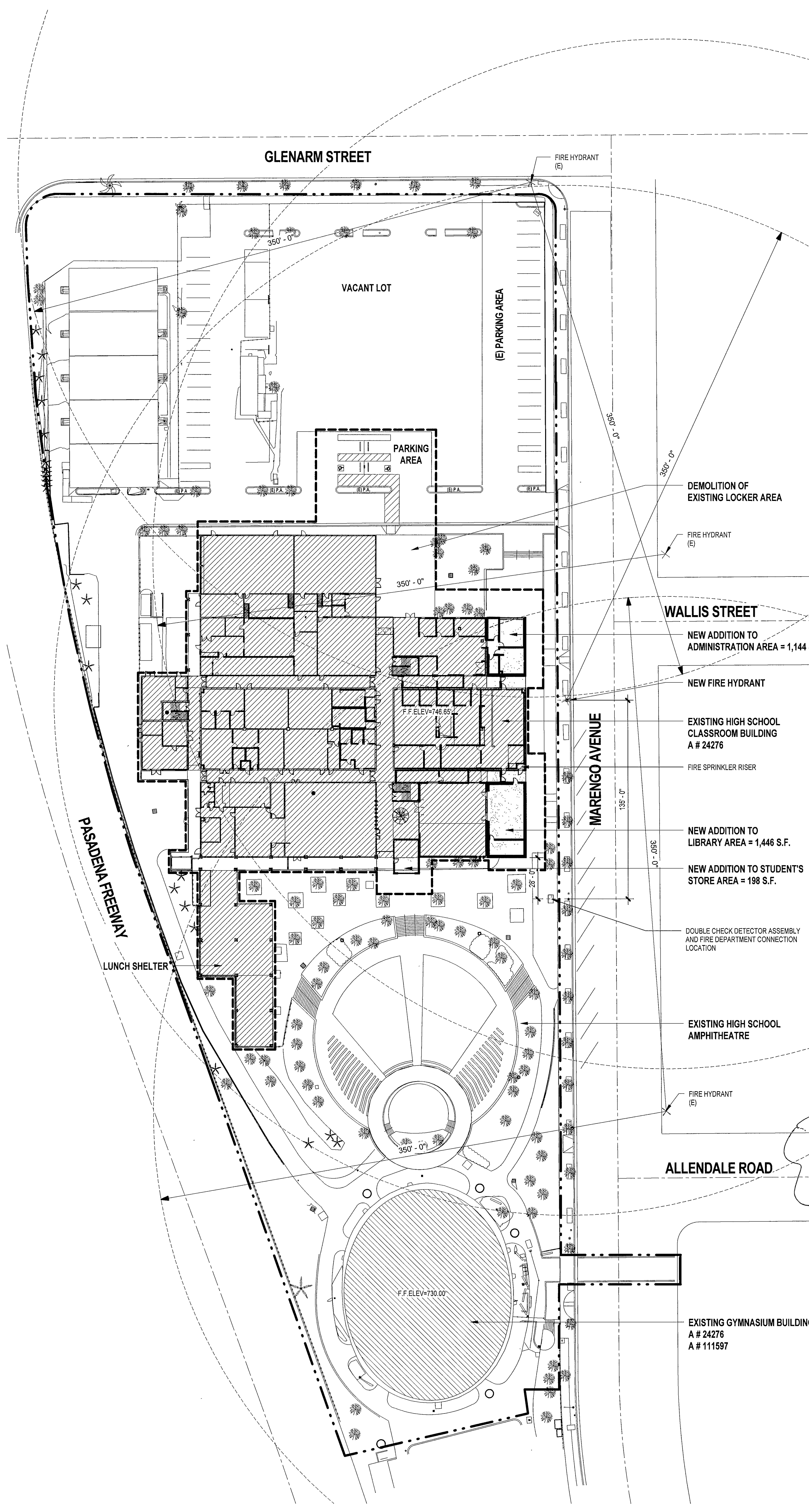
Checked By: [ ]  
 Checker: [ ]  
 Drawn By: [ ]  
 Author: [ ]

Sheet Title  
**LOCAL FIRE AUTHORITY  
 APPROVAL SITE PLAN**

Sheet Number  
**2AS102**

Project Number: 10050-000  
 Scale: As Indicated

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**PASADENA WATER AND POWER**

October 9, 2012

Mr. Vince Petito  
 GKK Works  
 155 South Fair Oaks Avenue  
 Pasadena, California 91105

**Subject: Fire Flow Results for 1201 South Marengo Avenue**

Dear Mr. Petito:

In response to your request for information on water pipeline pressure and fire flow at 1201 South Marengo Avenue, On October 8, 2012, a simultaneous fire flow test was conducted on fire hydrants 420-2 and 420-24, the results are as follows:

Fire Hydrant Number	420-2	420-24
Static Pressure	74 psi	80 psi
Flow Pressure	66 psi	60 psi
Total Observed Flow	1262 gpm	1093 gpm
Flow at 20-psi residual	3539 gpm	1978 gpm

Fire hydrant number 420-2 is located on the south curb of Glenarm Street, at the south west corner of Marengo Avenue and Glenarm Street. The residual pressure was taken at 1088 South Marengo Avenue.

Fire hydrant number 420-24 is located on the east curb of Marengo Avenue, at the north east corner of Marengo Avenue and Allendale Street. The residual pressure was taken at 1088 South Marengo Avenue.

If you have any questions, please contact Linette Vasquez, Senior Utility Services Planner, at (626) 744-7064.

Sincerely,

Richard Thompson  
 Utility Services Planning Supervisor  
 Pasadena Water & Power Department

1055 E. Colorado Blvd., Suite 350 • Pasadena, CA 91106

**DSA-810 - LOCAL FIRE AUTHORITY REVIEW FORM**

For instructions, see DSA-810 INSTR and DSA Policy 09-01

**DSA-810 LOCAL FIRE AUTHORITY REVIEW** DSA Application #: **09 113709**

School District: **Pasadena Unified School District**  
 Project address: **1201 South Marengo Avenue, Pasadena, California 91106**

Local Fire Authority is to complete Sections 1-7 as applicable to this project, and sign below. (Check Sections 1-5 per key.)

**KEY:** "YES" = Complies with LFA Requirements "N/A" = Not applicable to this project  
 "NR" = LFA elects not to review **No Check mark = Reviewed but not approved.** Complete Section 7.

- 1.  **YES**  **N/A**  **NR** **Elevators**  
 Where an Elevator does not meet medical emergency service cab size, per 2010 California Building Code, the Local Fire Authority approves the use of stairways for emergency rescue and patient transport.
- 2.  **YES**  **N/A**  **NR** **Access Roads**  
 Access Roads, Fire Lane Markings, pavers and Gate Entrances are in accordance with Title 19, Calif. Code of Regulations & 2010 California Fire Code, Chapter 5.
- 3.  **YES**  **N/A**  **NR** **Fire Flow**  
 Fire Hydrant location and distribution complies with 2010 CFC/NFPA 1142 (Alternate Means)  
 When NR is checked, DSA can only review on-site water storage as an alternate means. Signature of the School District Official is required to acknowledge use of NFPA 1142 as LFA alternate means.
- 4.  **YES**  **N/A**  **NR** **Automatic Fire Sprinkler Systems**  
 The location(s) of the proposed Post Indicator Valve and Fire Dept. Connection meet the requirements of this jurisdiction.
- 5.  **YES**  **N/A**  **NR** **The location(s) of the Detector Check Valve Assembly meet the requirements of this jurisdiction.**
- 6.  **Is project located in a Hazard Severity Zone Area? (2010 CBC, Chapter 7A, Section 701A.3.1)**  
 Yes  No  If YES, Type (check one): Moderate  High  Very High  WIFA   
 (If one of these boxes is checked plans will have to meet requirements of Chapter 7A)

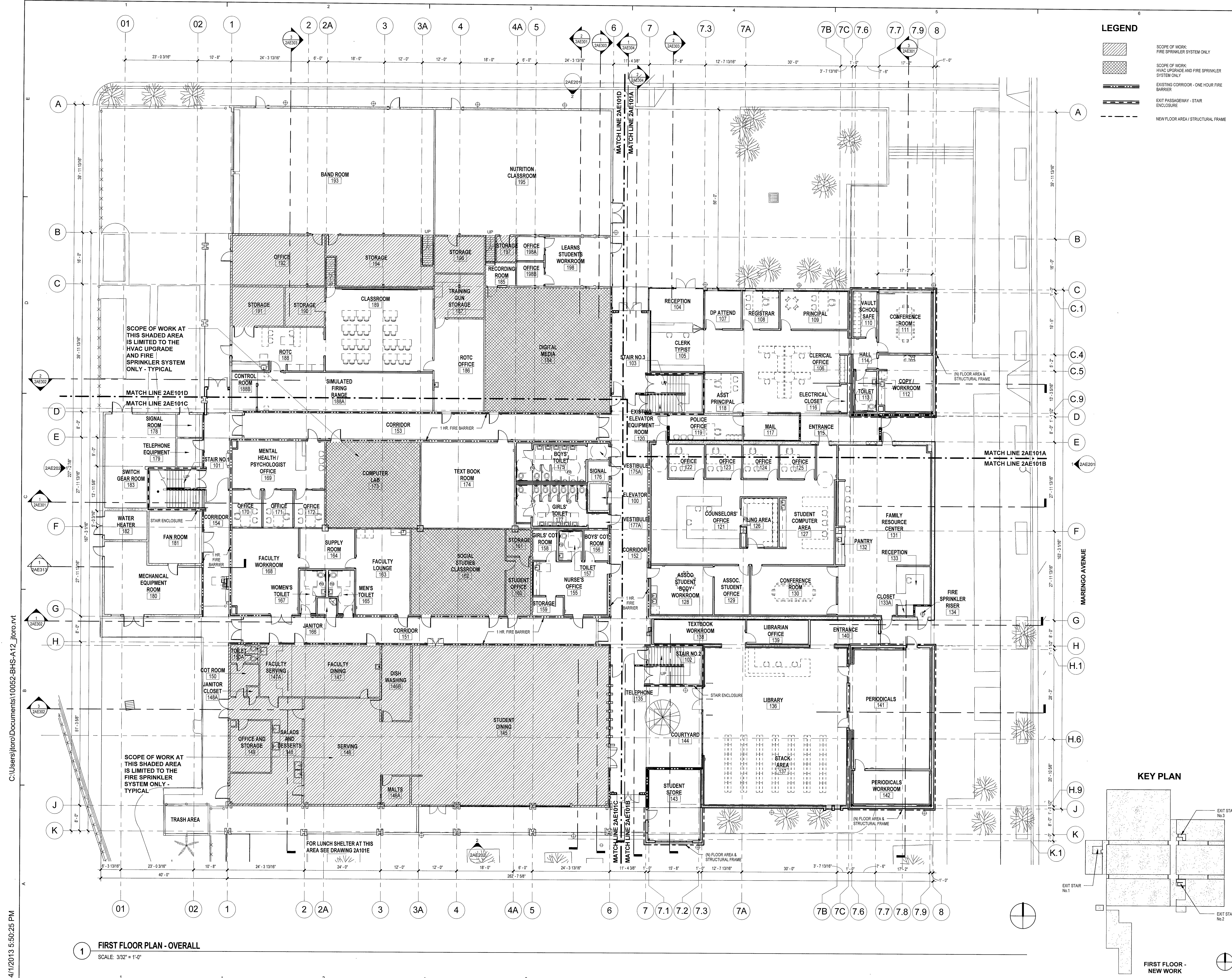
7. COMMENTS: Note Deficiencies:  
 \_\_\_\_\_

**LOCAL FIRE AUTHORITY INFORMATION:**

AGENCY NAME (Print): **PASADENA FIRE DEPT**  
 ADDRESS (Print): **199 S. LOS ROBLES #550**  
 CITY/STATE/ZIP (Print): **PASADENA CA 91101**  
 PHONE NUMBER (Print): **714-7910** e-mail: **Pba@pasfire.org**  
 Completion of lines 1-7 (including school district representative signature on line 3 if alternate means required) and LFA signature below signifies that the Local Fire Authority has reviewed the listed items for this project.  
**Items not checked or marked NR will be reviewed by the DSA.**  
 Note: Only sign the DSA-810 when stamped onto the site plan. Loose form not acceptable to DSA.  
 REVIEWED BY: **[Signature]** (Date) **11-21-12**  
 RANK/TITLE (Print): **SUPERVISING FIRE PLANS EXAMINER**

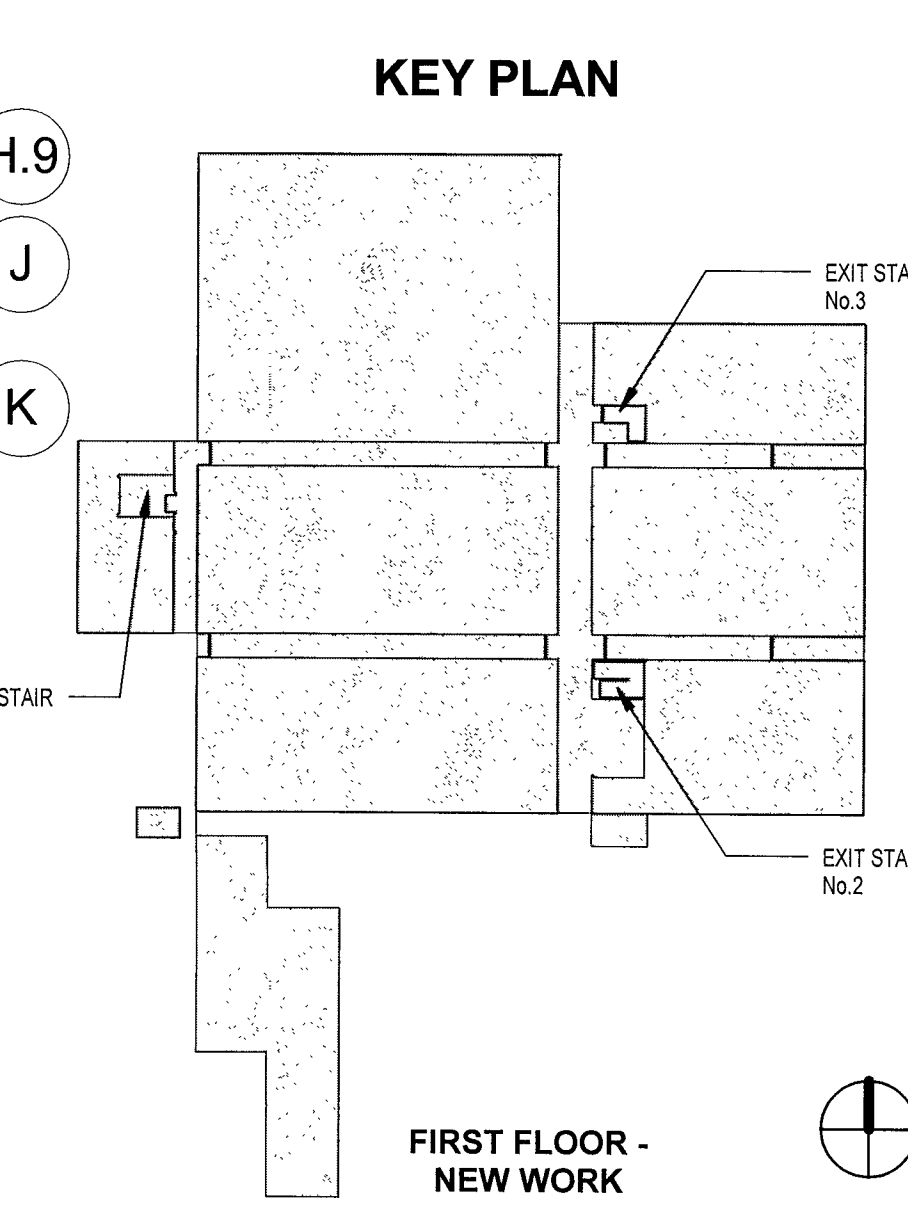
**1 SITE PLAN - OVERALL**  
 SCALE: 1" = 40'-0"

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**LEGEND**

- SCOPE OF WORK: FIRE SPRINKLER SYSTEM ONLY
- SCOPE OF WORK: HVAC UPGRADE AND FIRE SPRINKLER SYSTEM ONLY
- EXISTING CORRIDOR - ONE HOUR FIRE BARRIER
- EXIT PASSAGEWAY - STAIR ENCLOSURE
- NEW FLOOR AREA / STRUCTURAL FRAME



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Consultant and Seal

Agency Approval

IDENTIFICATION EMPLOYEES  
DIVISION OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

APPL NO. 03 - 113709  
AC: JLS, SS: JH  
DATE: APR 04 2013

No.	Date	Revision / Issue

**Project Name**

**BLAIR IB MAGNET SCHOOL  
MODERNIZATION PROJECT**

1201 SOUTH MARENGO AVENUE, PASADENA,  
CALIFORNIA 91106

Checked By: \_\_\_\_\_  
Drawn By: DF / RA

**Sheet Title**

**NEW WORK FIRST FLOOR  
PLAN - OVERALL**

Sheet Number

**2AE101**

Project Number: 10050-000  
Scale: As Indicated

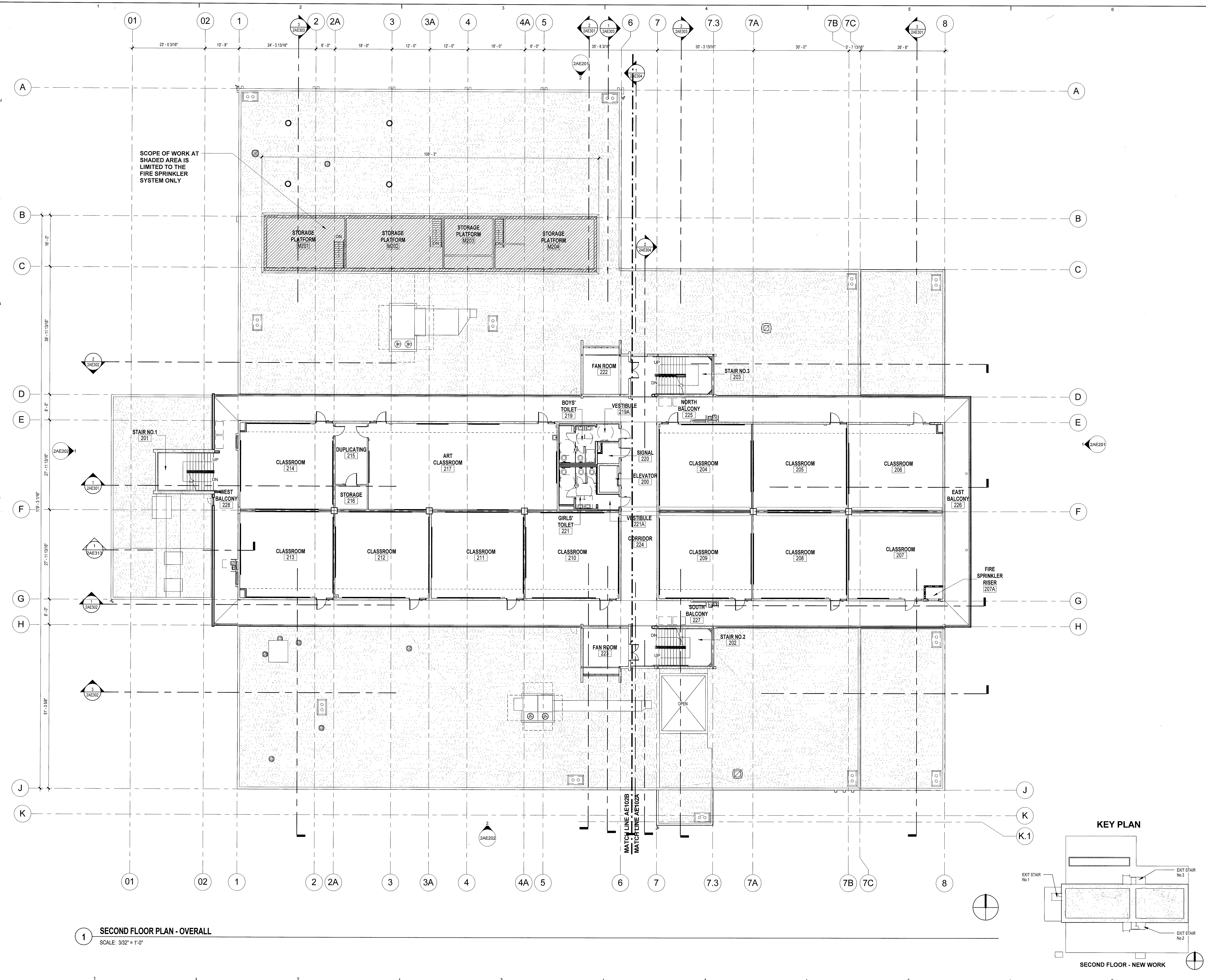
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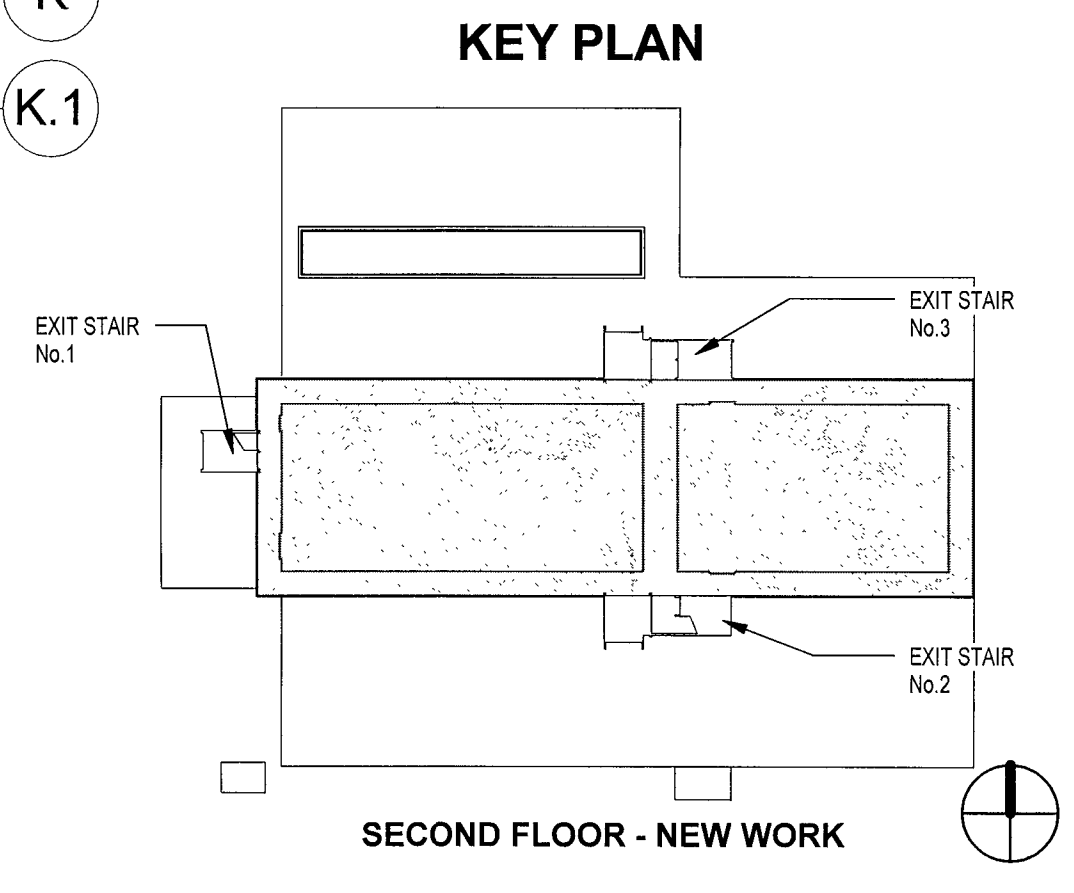
**1 FIRST FLOOR PLAN - OVERALL**  
SCALE: 3/32" = 1'-0"

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1 SECOND FLOOR PLAN - OVERALL  
SCALE: 3/32" = 1'-0"



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Architect Seal

Consultant and Seal

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CALIFORNIA 91106

Checked By:  /  Drawn By:  /   
Checker:  DF / RA

Sheet Title

**NEW WORK SECOND FLOOR  
PLAN - OVERALL**

Sheet Number

**2AE102**

Project Number: 10050-000 Scale: As Indicated

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