



DSA

DIVISION OF THE STATE ARCHITECT

DEPARTMENT OF GENERAL SERVICES

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State Architect



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Certification Process

- ① Importance of Certification
- ① Concurrent Certification
- ① Inspection Card
- ① Box
- ① Continuous Improvement

Certification Statistics

January 31, 2015

● Legacy Projects:	16,386		
> Occupied without Certification:	<u>10,115</u>		
> Certified	6,271	38%	
● Transition Projects:			
> Occupied without Certification:	1,910		
● Inspection Card Projects:			
> Percent Certified:	83 %		

Proposed Changes to PR 13-01: Construction Oversight Process

(Page 1 of 2)

- ⦿ One Inspection Card for all Buildings for:
 - > Fire Alarm
 - > Hardware Replacement
 - > Security Cameras
 - > Low Voltage (Communication)

Proposed Changes to PR 13-01: Construction Oversight Process

(Page 2 of 2)

- ⦿ In-Plant Inspection Card/Verified Report
- ⦿ Document Upload Permissions to Box
 - > Everyone uploads their own documents
 - > Exception: Architect can upload
 - DSA 168, Statement of Final Actual Project Cost
 - Contractors' Verified Report

Changes to PR 13-02: Project Certification Process (Page 1 of 3)

◎ Initiation of Project Certification

- > Occupied or In-Use
- > Otherwise Complete
 - All Structural, Fire and Access Work Done

Changes to PR 13-02: Project Certification Process (Page 2 of 3)

● After Occupancy

- > 60 Days to submit all documents
- > DSA examines files
- > If all documents received, Project Certified
- > If outstanding items, 301-N form issued
- > After another 60 days
 - If all documents received, Project Certified
 - If outstanding items, 301-P issued
 - 301-P uploaded to Certification Box

Changes to PR 13-02: Project Certification Process (Page 3 of 3)

● Certification Box

> Contains

- Close Without Certification Letters
- DSA 301-P

> Sorted by:

- DSA Regional Office
- School District
- Campus

● After 301-P posted

- > Upload missing documents to Certification Box
- > Attach DSA 302

Direction to DSA Field Staff Regarding Stop Work

- ◎ Concurrent Certification
- ◎ Everyone Signs Off as Project Progresses
- ◎ Work May be Stopped if:
 - > Missing Interim Sign Offs
 - > Unresolved Deviation
- ◎ Usually Informal Stop Work
- ◎ PI Reports to Architect, School District, DSA

Alternate Certification Process

- ◎ Encourage Districts to Get All Projects Certified
 - > District Initiate
- ◎ Project Certification Guide
 - > Methods to Certify All Projects
 - > 311 form

New Project Inspector Performance Review Forms

(Page 1 of 2)

- Form 119 – PI Performance Review
 - > Used at DSA Site Visits Starting 2/1/15
 - > Objective
 - > Review Categories
 - Presence at Job Site
 - Job File Review
 - Deviation Reporting
 - Verified Reports Filed

New Project Inspector Performance Review Forms

(Page 2 of 2)

- Form 180 – PI Performance Record
 - > Summary of 119's for Project
 - > More Useful in 6 to 12 Months
- Placed in DSAbox and Inspector Box
- Uses:
 - > Feedback to PI
 - > Selection of PI

New Fire and Life Safety Regulations

- ◎ Effective 12/1/14
- ◎ Currently Mirrors Structural Regulations
- ◎ FLS Fee
- ◎ DSA-1 Revision
- ◎ Draft IR
 - > FLS Only Projects
 - > Incidental Scope

Flood Zone Requirements

- ◎ Flood Hazard Map adopted by Local Authority Having Jurisdiction
- ◎ Submit Map with Project Documents
 - > Includes OTC's
 - > Except if addressed in Geologic Hazards Report
- ◎ Relocatables Not Exempt

Doug Humphrey
Regional Manager
DSA Los Angeles Regional Office

Successful Projects

- ◎ Preliminary Meetings
- ◎ Preconstruction Meetings
- ◎ CCD's
- ◎ Construction Team

Leroy Tam
Regional Manager
DSA Oakland Regional Office

Construction Projects and Items Exempt from DSA Review

- ① IR A-22 Revised 11-24-2014
 Revised 08-14-2014

Three major groups of Exempt Projects and Items (Page 1 of 3)

- ⦿ Maintenance work on school buildings as stated under Sec 4-315 (a) and as defined in Sec 4-314 of California Administrative Code.
- ⦿ Structures or items not considered to be school buildings as defined in Sec 4-314.
- ⦿ Non-school structures as described in Sec 4-310.

Three major groups of Exempt Projects and Items (Page 2 of 3)

- ⦿ Do not require DSA structural and fire life safety review and approval.
- ⦿ Work shall comply with all currently effective code provisions for design, construction, and inspection.
- ⦿ School District assumes responsibility to assure code compliance.

Three major groups of Exempt Projects and Items (Page 3 of 3)

- ⦿ All projects shall comply with all applicable accessibility provisions of CCR.
- ⦿ Some projects exempt from DSA structural and fire life safety, could be required to be submitted to DSA for accessibility compliance.

29 Project Types are Identified

- Appendix A provides for a listing of 29 common project types eligible for exemption.
- Each type is identified with specific exempt status for structure safety, accessibility compliance, and fire life safety.
- If the exempt items(s) is made into part of a larger project, then a note of clarification is required or a letter to be submitted from the school board.

Appendix A (Page 1 of 3)

- Several project types are provided with specific footnotes to clarify the special conditions:
 - > For existing cell or antenna poles over 35 feet tall, the work of added component will be considered as “addition” and not an alteration for DSA submittal purposes.
 - > In addition to playground equipment, playhouses under 250 sq. ft. are added to the listing.

Appendix A (Page 2 of 3)

- Open mesh baseball backstop is limited to cantilevered system, and DSA review will be required if the mesh is cladded with windscreens or slats.
- Replacement in kind of MEP equipment will be limited to 2000 lbs. and other structural consideration.
- Lighting and water-heating upgrades are to be verified with CBC Sec 202.4 of Chapter 11B.

Appendix A (Page 3 of 3)

- Window replacement and window screens are exempt in accordance with CBC Sec 202.4 of Chapter 11B of which the work is considered is normal maintenance.
- Energy Management System is exempt, but small skylight installation is considered as alteration in accordance with CBC Sec 202 of Chapter 2.

Exempt Concurrence and Voluntary Submittal

- School District has the option to apply for a written concurrence for exempt projects. The applicant needs to submit form DSA-7 together with a fee per PR 14-02.
- School district has the discretion of submitting exempt project to DSA for complete review and project approval.
- Alteration or reconstruction projects with construction cost of \$41,548.70 or less are exempt from DSA structural and fire life safety review per IR A-10.

Earthquake Response and Assistance to School Districts

M6.1 South Napa
Aug 24, 2014

Response Effort

- ⦿ Initial response
- ⦿ Rapid condition assessment
- ⦿ Non-structural damage
- ⦿ Onsite meeting with California Geologic Survey
- ⦿ OTC emergency appointments

Initial Response – The First 10 Hours

- Received news alert from USGS, internal communication from the Office of Public Affairs, lead agency (EMA), and other emergency management affairs.
- Received and distributed the OES Daily Situation Report with preliminary damage identified with buildings, utilities, railroad, and emergency power.
- Sent outreach email to superintendent of several school districts in the affected area and later corresponded to the architectural firm representing the district.

Rapid Condition Assessment

- Dispatched six Structural Engineers, all with training in Disaster Service, to the affected region.
- Performed rapid evaluation to identify building instability, extensive cracking and crushing, rotation or distortion of structural members, separation at the supports, pounding, fractures, settlement and tilting. Pictures of damage were uploaded to DSA-BOX
- No significant structural damage was observed. School buildings performed remarkably well.

Non-Structural Damage

- ◎ Condition assessment was based on the “Guide and Checklist for Nonstructural Earthquake Hazards”
 - > Ceiling and Overhead
 - > Walls and Wall-Mounted
 - > Furniture and Equipment

<http://www.documents.dgs.ca.gov/dsa/pubs/SB1122.pdf>

Ceiling and Overhead

Image courtesy NVUSD and QKA



Walls and Wall Mounted

- ◎ Open shelves –

Recommendation per the Guide is to install wood or plexiglass strip or wire rope

Image courtesy NVUSD and QKA



Furniture and Equipment (Page 1 of 3)



Image courtesy NVUSD and QKA

Furniture and Equipment (Page 2 of 3)

Image courtesy NVUSD and QKA



Furniture and Equipment (Page 3 of 3)

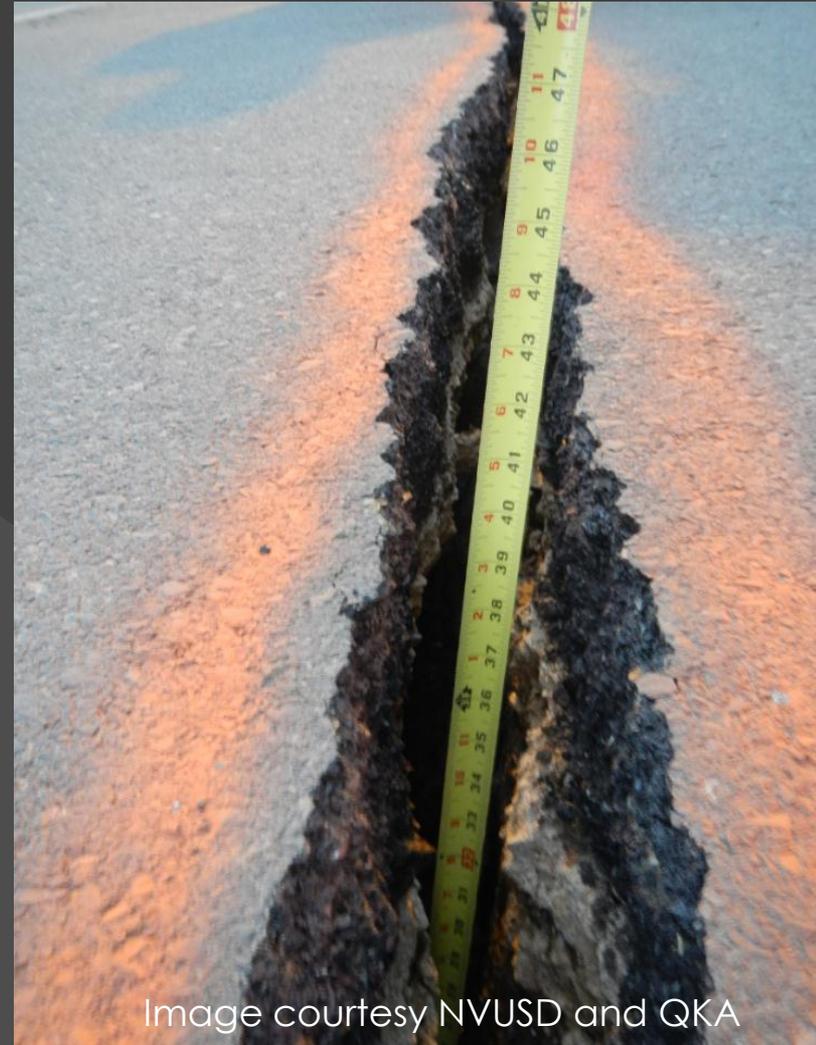
Image courtesy NVUSD and QKA



Onsite meeting with CGS (Page 1 of 2)

- Surface breaks and afterslip at the upper shallow region of the ground was a concern at a school near the Carneros-Franklin Fault.
- Meeting conducted at the site with CGS mapping the En Echelon fault and providing an explanation to the representatives of the school district.

Onsite meeting with CGS (Page 2 of 2)



OTC appointments for Earthquake repair projects

- Special over-the-counter appointments were set up to facilitate the approval of the repair projects.
- The 2013 Title 24 lighting control requirements and daylight sensors were incorporated into the alteration application.

Tim Powell
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DSA Sacramento Regional Office

Access Compliance Issues

- ⦿ Threshold and 20% Limit
- ⦿ Path of Travel
- ⦿ Barrier Removal
- ⦿ Mechanical/Electrical/Re-Roofing Exemptions

Fire and Life Safety Issues

- ① When and Where are Sprinklers Required?
- ① Voice/EVAC Systems
- ① Code Summary/Building Analysis:
Required Information

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