

## **SMMUSD/ SMASH& Muir Water Intrusion Phase 3 Structural Scope of Work**

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**Sent:** Tuesday, June 28, 2022 5:14 PM

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**Subject:** RE: SMMUSD/ SMASH & Muir Water Intrusion Phase 3

As for the Scope of Remedial Work, here is what I recommend for structural consideration:

### **Building A, B, C, and D**

- Exterior finish to be removed to expose existing plywood sheathing. Once exposed, SEOR to observe condition of existing plywood. Following full exposure, a 4' wide section of plywood at base of all buildings shall be removed continuously to expose the bottom portion of upper and lower level wall studs and sill plates. Sills, anchor bolts, connectors, and lumber will be observed and either repaired or replaced in kind if deemed damaged. New sheets of plywood of matching thickness and grade (per original approved drawings) to be re-installed and with 4x solid blocking at all plywood panel edges. Install new exterior waterproofing membrane and stucco as specified by waterproofing consultant.
- All parapets to have existing exterior stucco finish removed to expose the existing framing. Reframe parapets due to dry rot/water damage and re-attach the guardrails with new hardware per the original approved drawings. Galvanizing paint to be applied to all steel prior to closing. Install new exterior waterproofing membrane and stucco (with caps) as specified by waterproofing consultant.
- All exterior steel stairs to be flashed at side walls. Underside of stairs to be cleaned and scraped to sound material, thickness measured and strengthened if required. Repair any holes or badly corroded connections. Typical for all buildings.

### **Building B**

- Room 415 (first floor) requires a 6' wide portion of full-height wall framing replacement. Remove finishes both sides, shore roof and floor, replace damaged wood framing in kind and re-apply sheathing to match existing.

### **Building A**

- Exterior covered walkway at seismic joint to have beam strengthening due to crushing. Shore existing floor framing (unload beam), install 4' wide section of new 2x12 sister joist with (2) rows of ½" diameter lag bolts at 8" oc (top and bottom row). Re-attached floor joists with new hangers (or reuse existing hangers).

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