

One Structural Modification

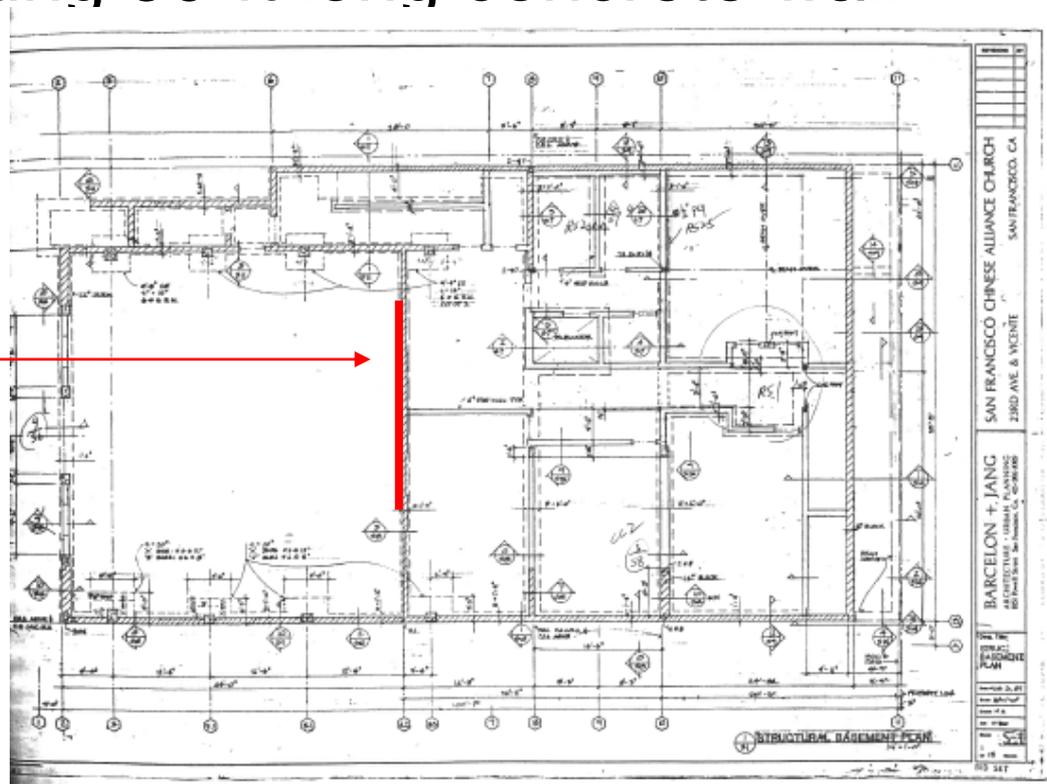
Removal of an existing 30-ft long concrete masonry wall at basement and replace it with new steel frames

DESIGN CRITERIA

1. Safety is the No. 1 priority
2. Comply and exceed all California Building Code requirements
3. Value Engineering includes cost-effective design, easy to construct and functional

Removal of an Existing 30-ft long concrete wall

Remove 30-ft long
of an existing 48-ft
concrete masonry
wall. _____

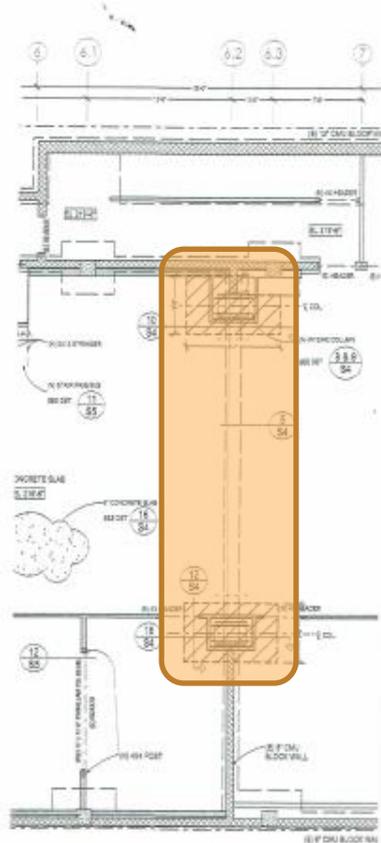


STRUCTURAL BASEMENT PLAN, S-1 (ORIGINAL)

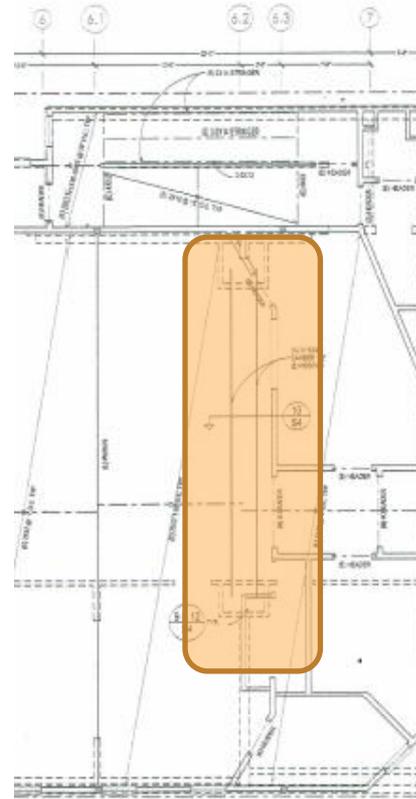
DESIGN STRATEGIES

1. Shoring – Erect two new steel frames and transfer all loads from concrete wall.
2. Concrete Wall Removal – sawcut from bottom up; however, leave top portion intact.
3. Steel frames - Design to take 18% of total seismic load, with X-bracing for stability

Replace 30-ft concrete wall with Two Steel Frames



NEW FOUNDATION PLAN, S-2
(PARTIAL)



NEW 1ST FLOOR FRAMING PLAN, S-3
(PARTIAL)

