



SALT LAKE CITY & COUNTY BUILDING STONE REMEDIATION & SEISMIC UPGRADE

Investigation & Design:

Summer/Fall 2015

Construction:

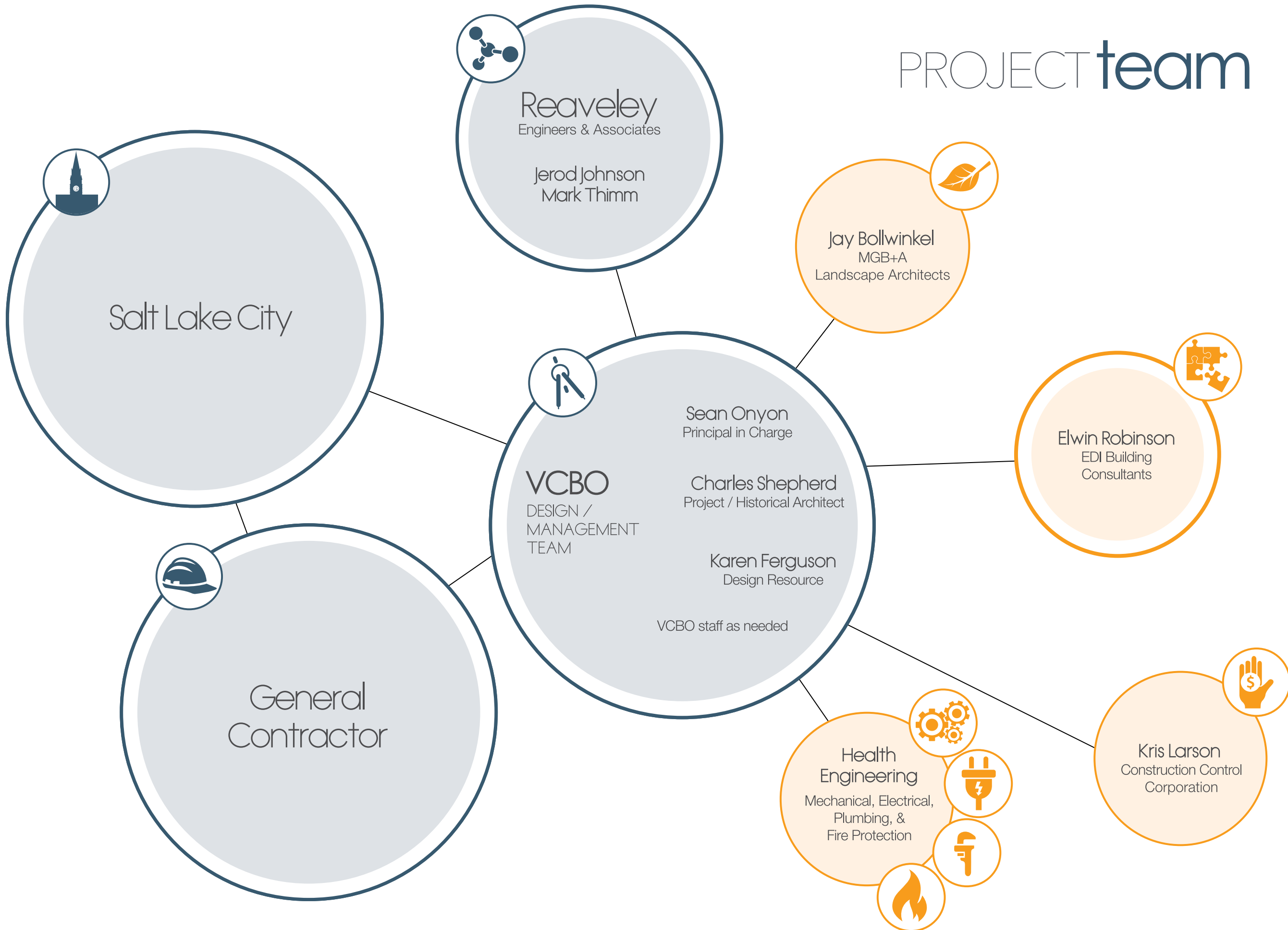
Spring 2016 - Fall 2017



ENGINEERING DIVISION
COMMUNITY and ECONOMIC
DEVELOPMENT
SALT LAKE CITY CORPORATION



PROJECT team



PROJECT components

stone remediation

- stone repairs
- flashing repairs/upgrades
- window repairs/repainting

- isolator sub-basement work access
- seismic joint evaluation
- building 'umbilical' service connectors
- seismic bracing of balustrades
- chimney seismic evaluation and re-bracing

seismic upgrade

- moat bumper removal
- moat clearance confirmation
- fail-safe piers
- seismic instrumentation

stone REMEDIATION



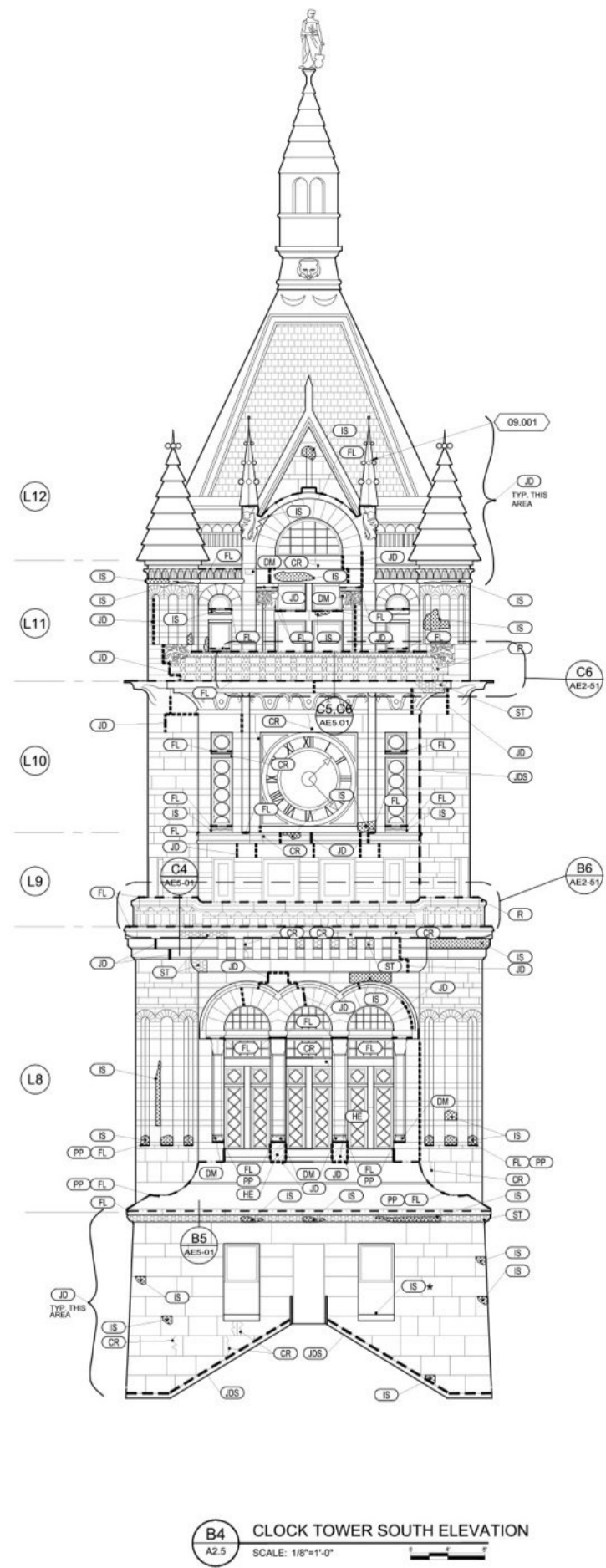
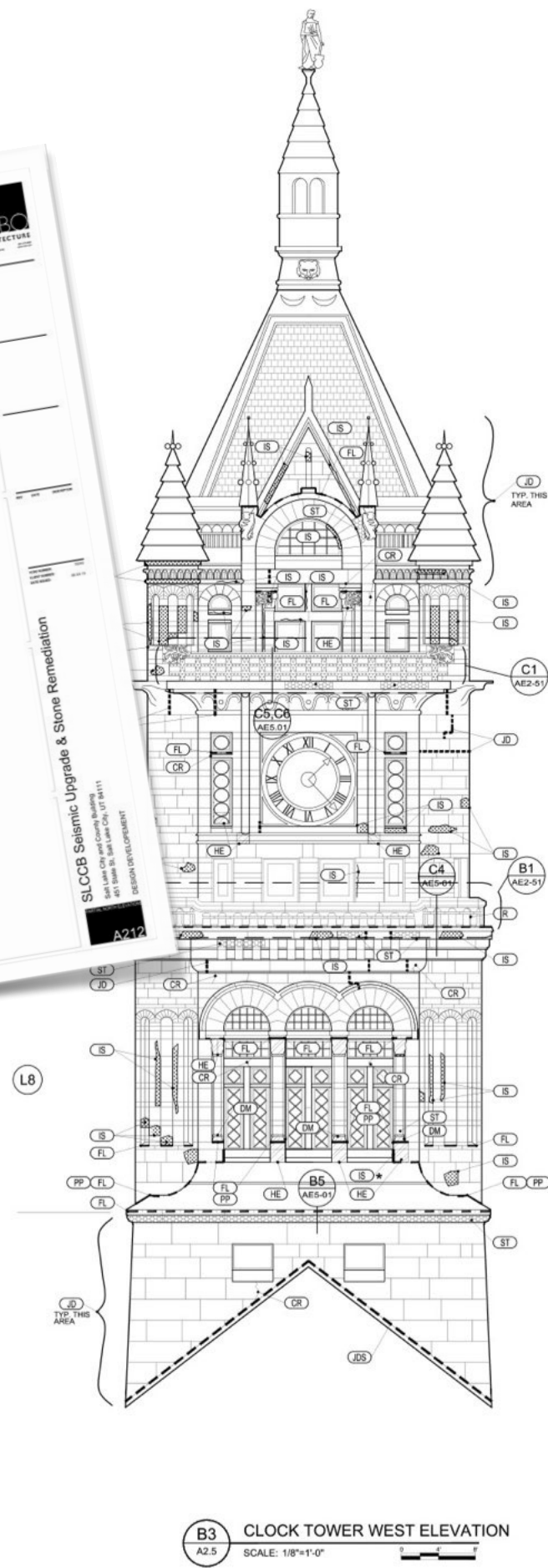
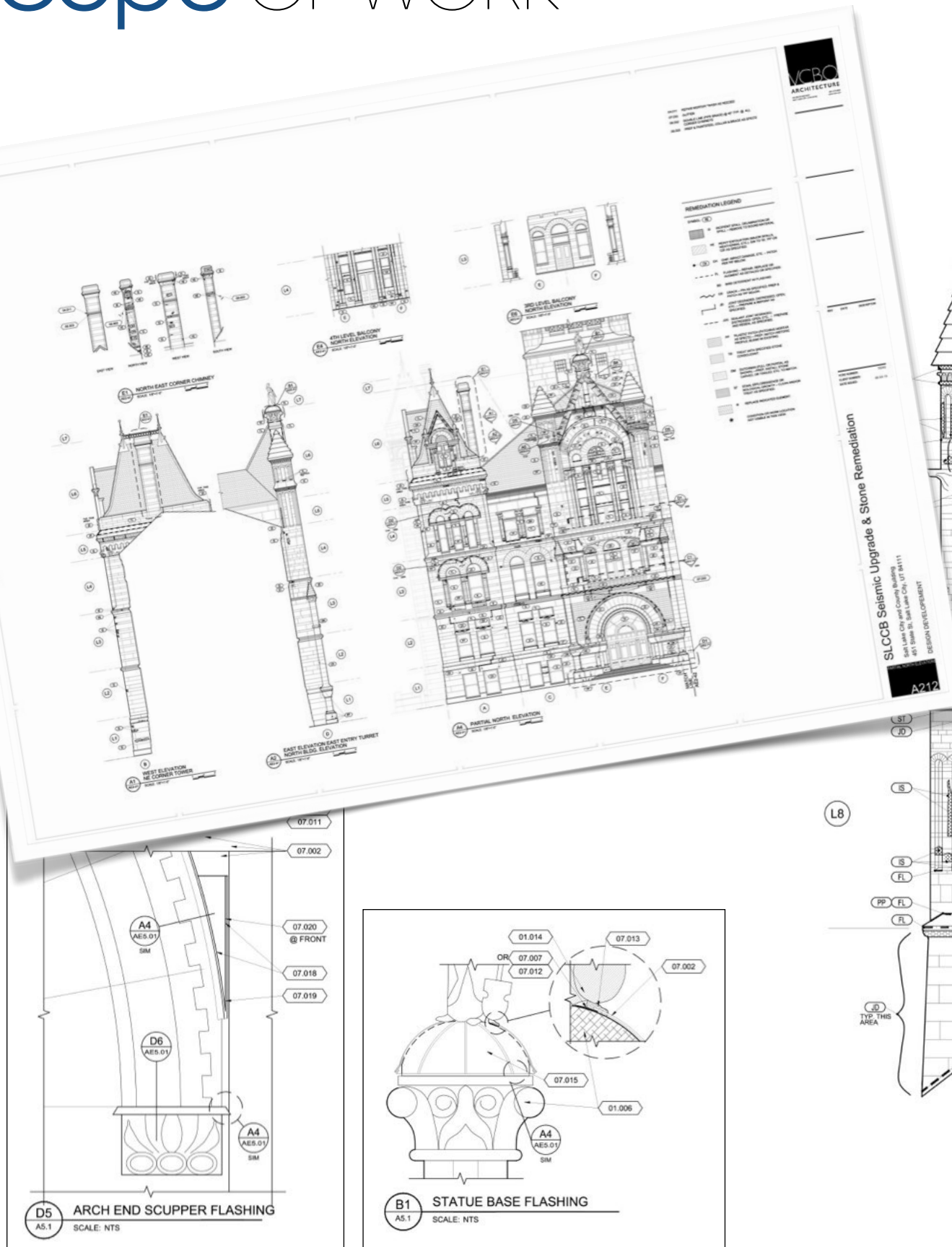
seismic JOINT ISSUES



window REPAIRS

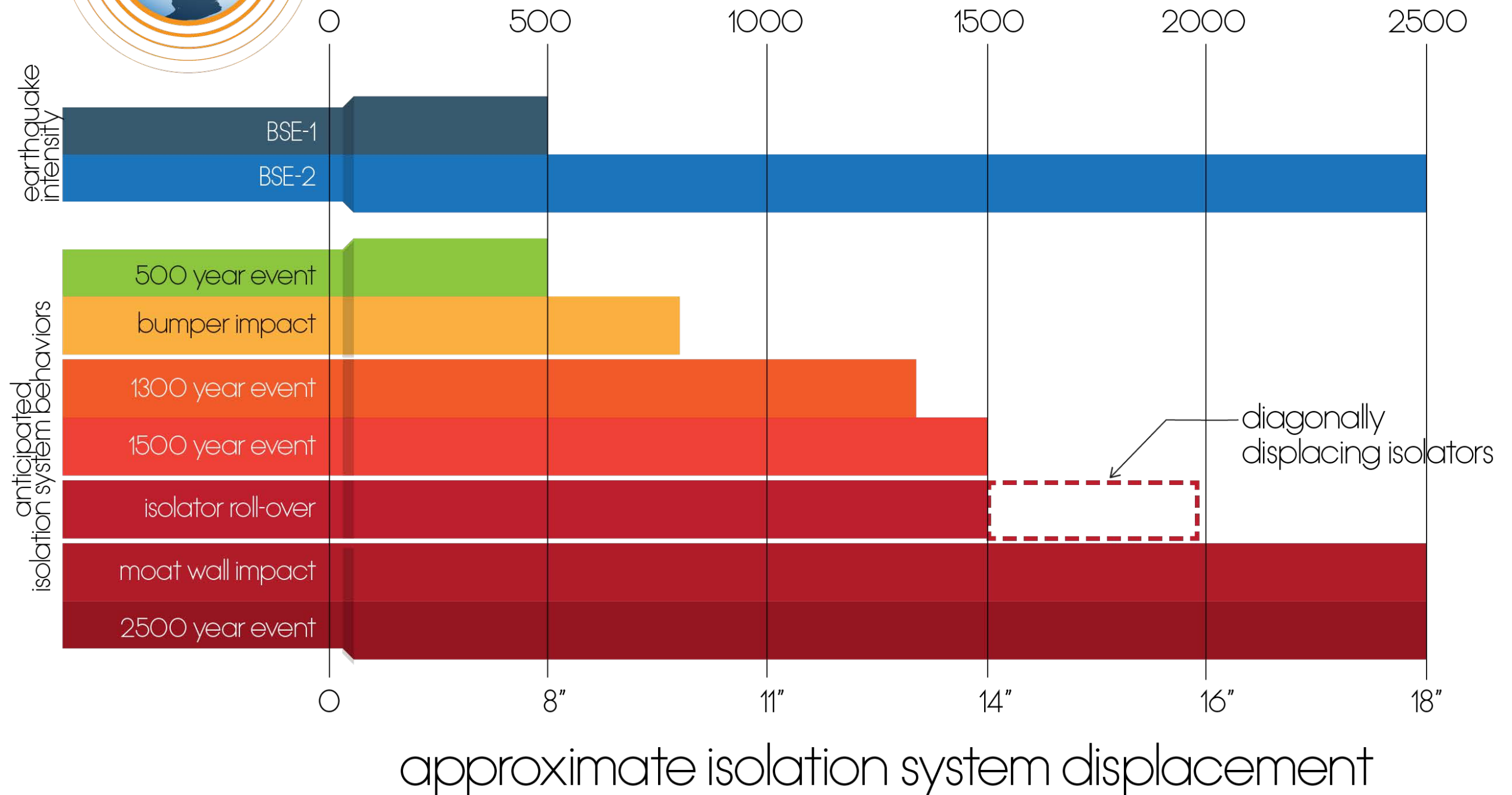


scope OF WORK





earthquake recurrence intervals (years)



isolator PERFORMANCE

First historic building to be base isolated, completed 1988. (photo: Forell/Elsesser, SE)

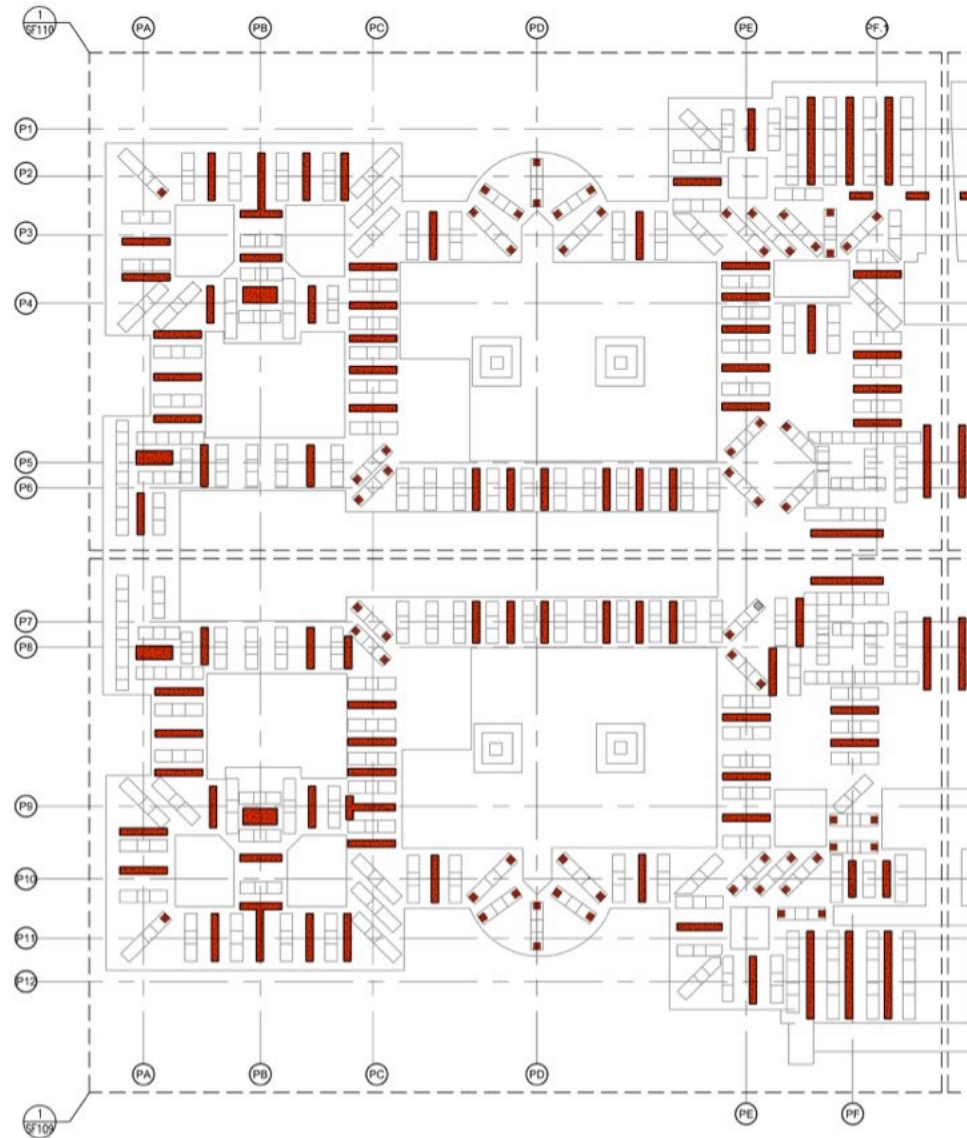


Installed base isolators

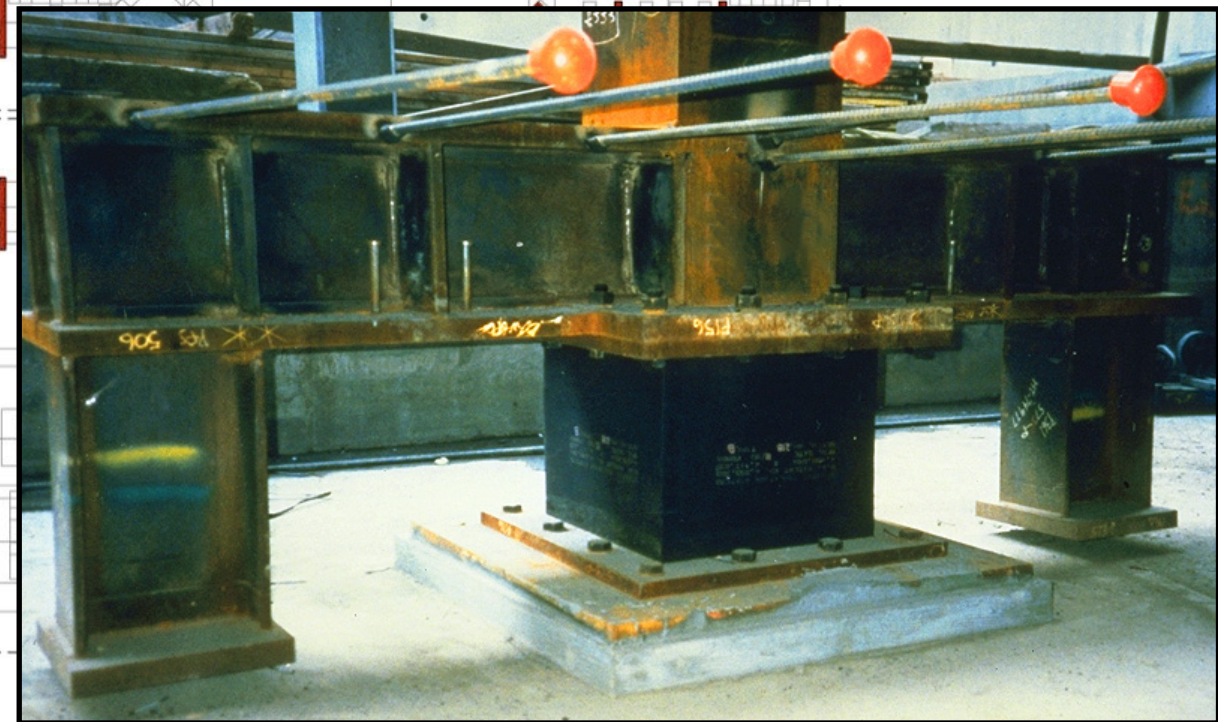
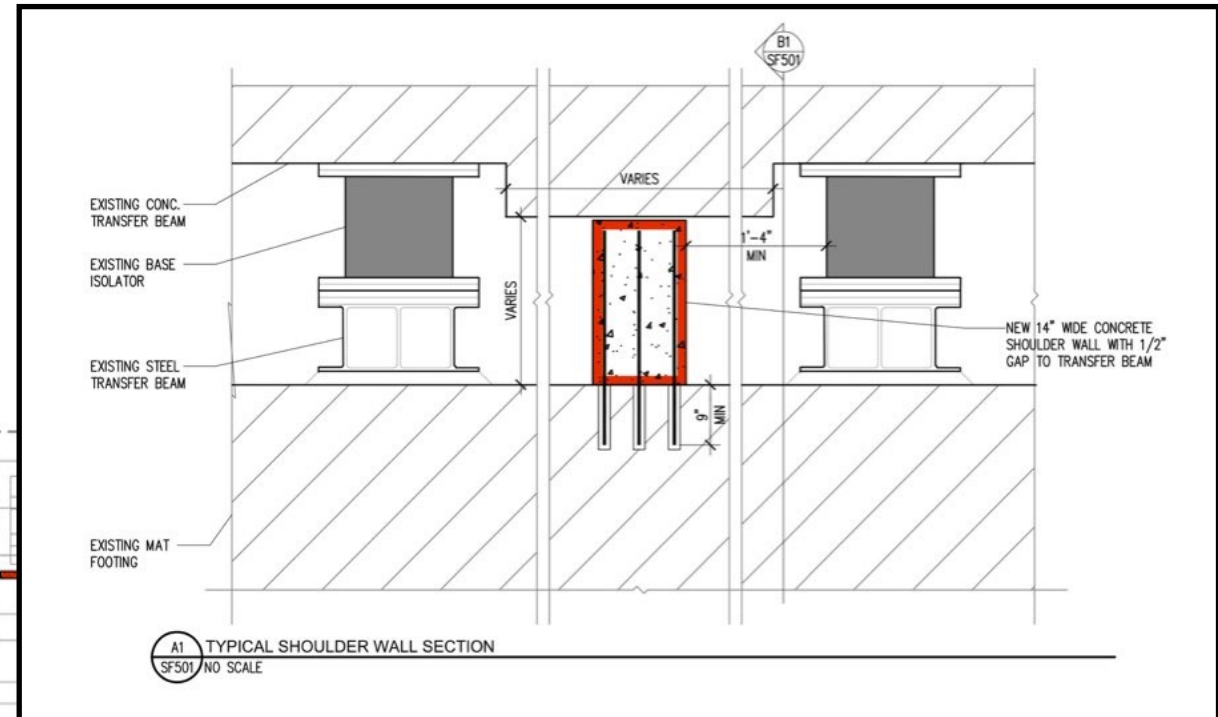


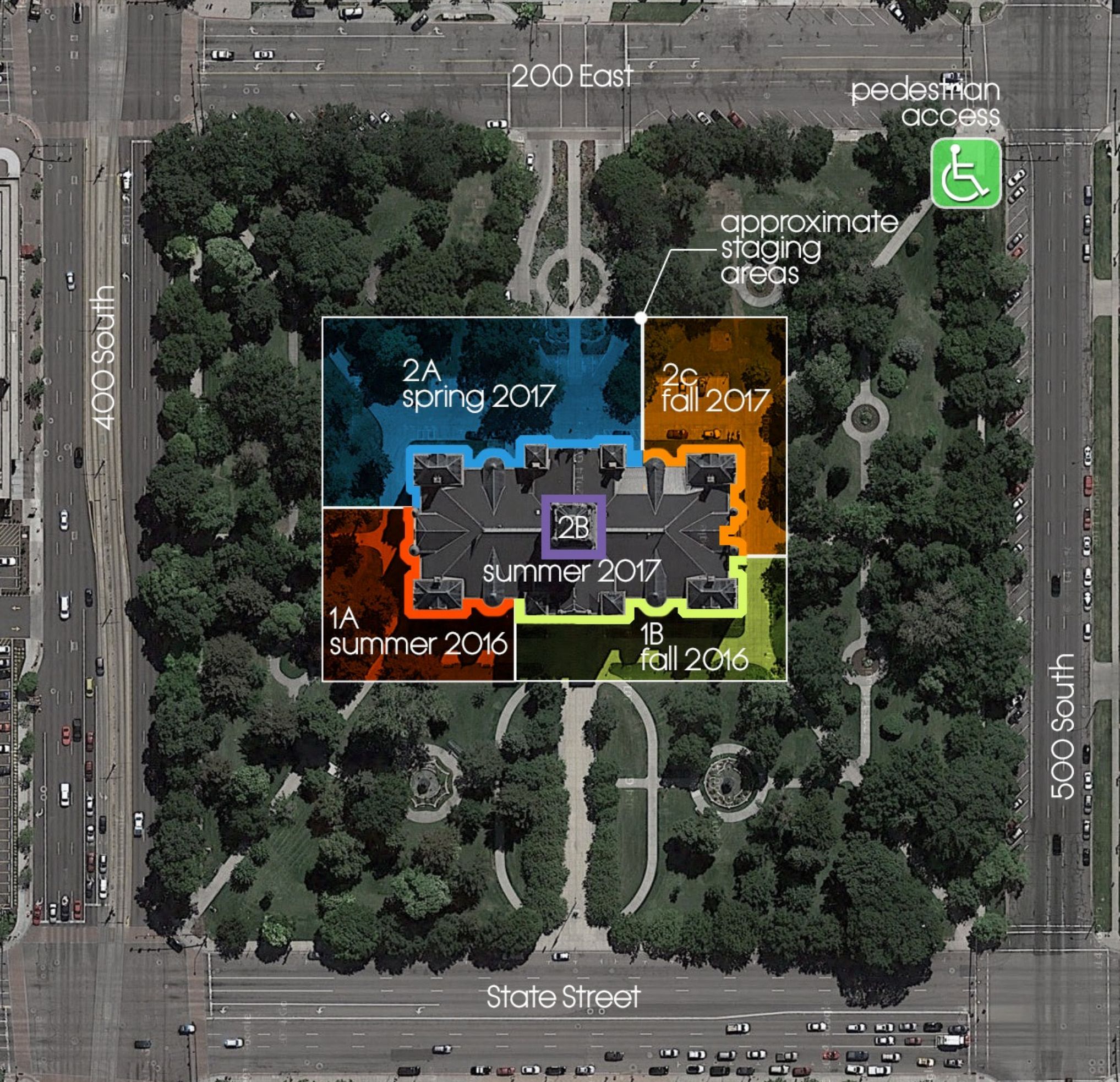
Base isolator tested to roll-over

SEISMIC upgrade



1 OVERALL SHOULDER WALL/RECEIVING PIER PLAN
SF106 SCALE: 3/32" = 1'-0"

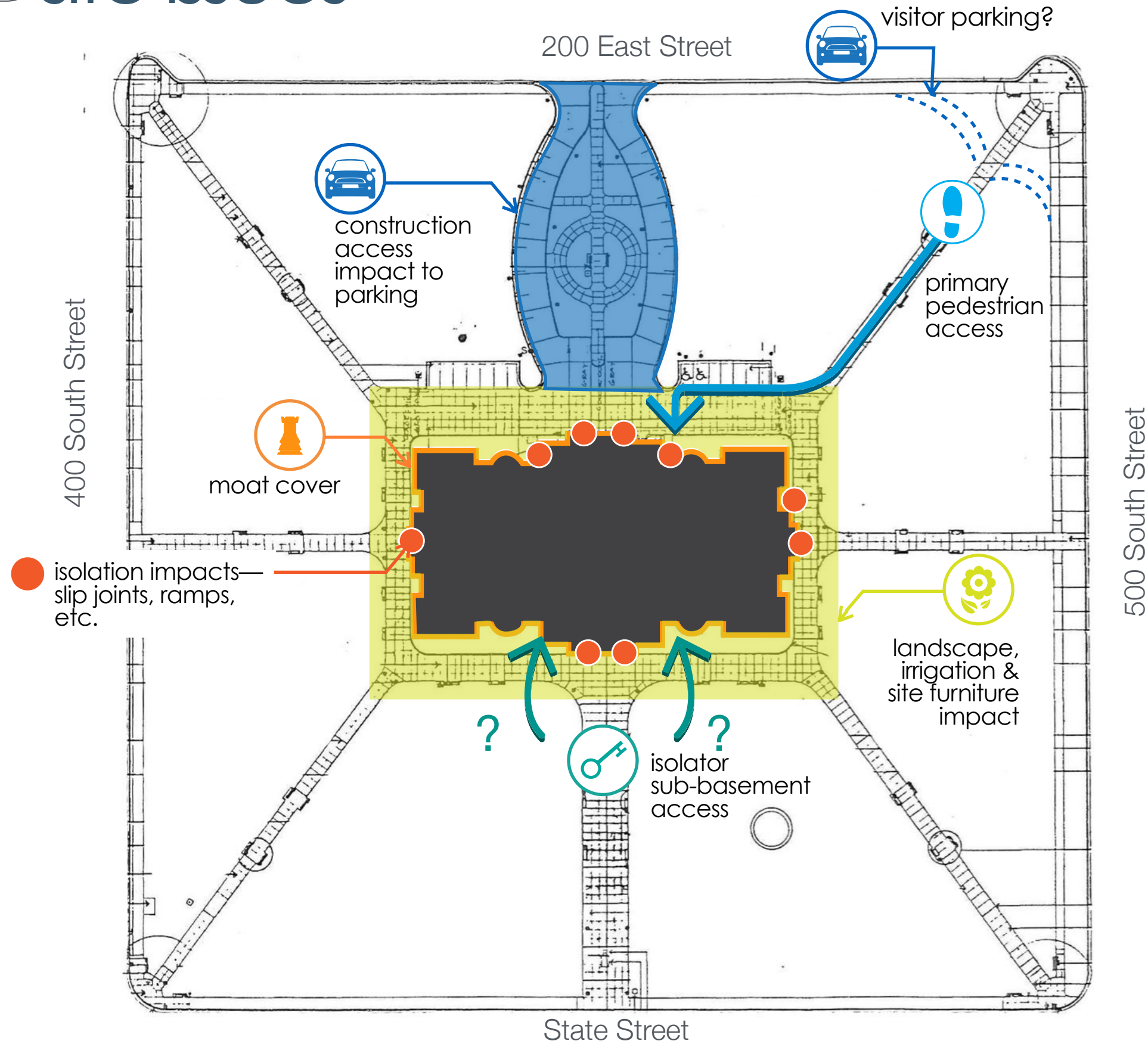




PRELIMINARY phasing approach

*(Final sequence and
schedule to be determined
by General Contractor and
City early 2016)*

SELECTED site issues





timeline



Seismic upgrades

- Spring 2016-December 2016

Stone and windows phase 1

- April - November 2016

Stone and windows phase 2

- April - November 2017



PROJECT goals

- preserve, protect, enhance—
historic building & users
- plan and communicate to
minimize impacts
- educate