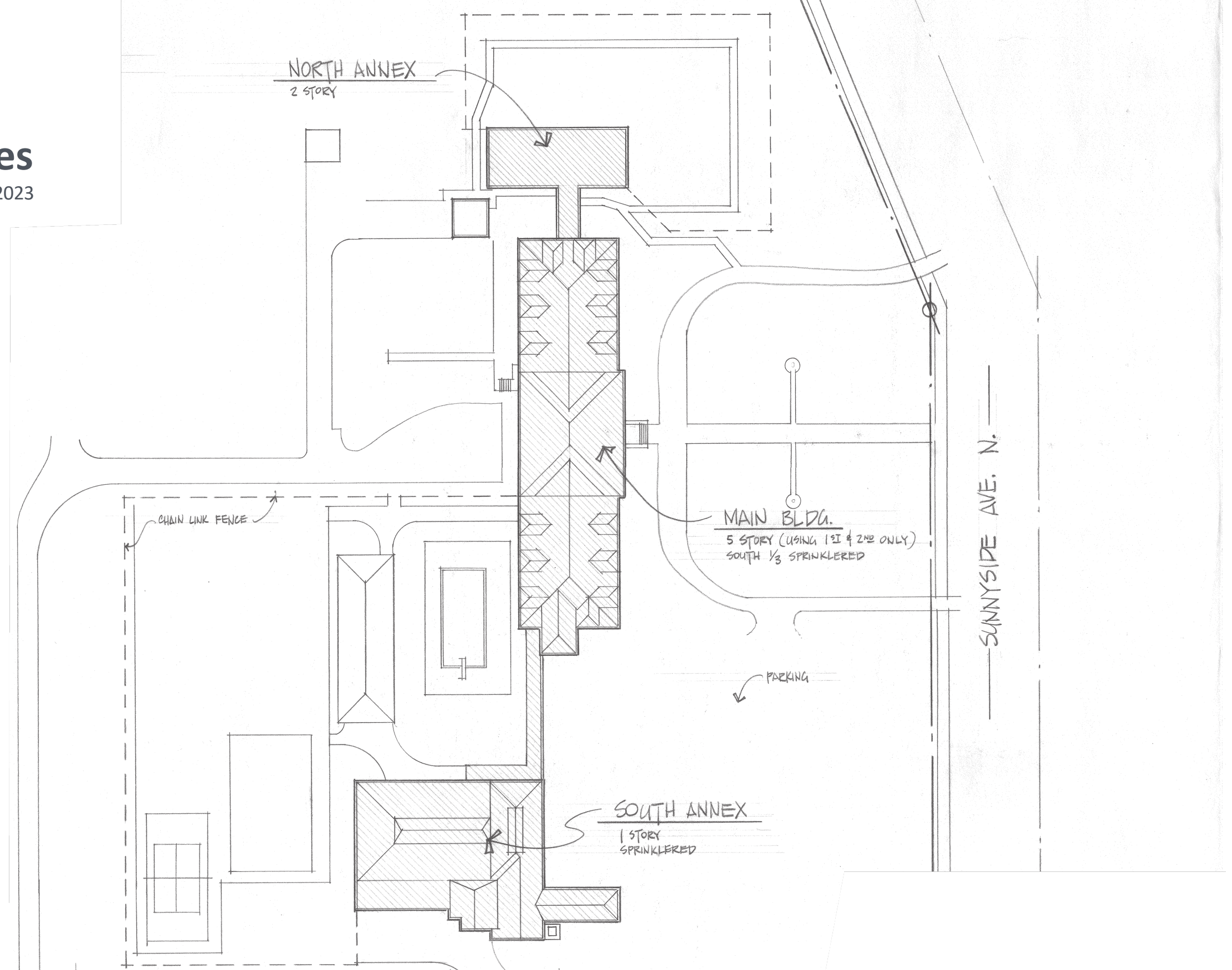


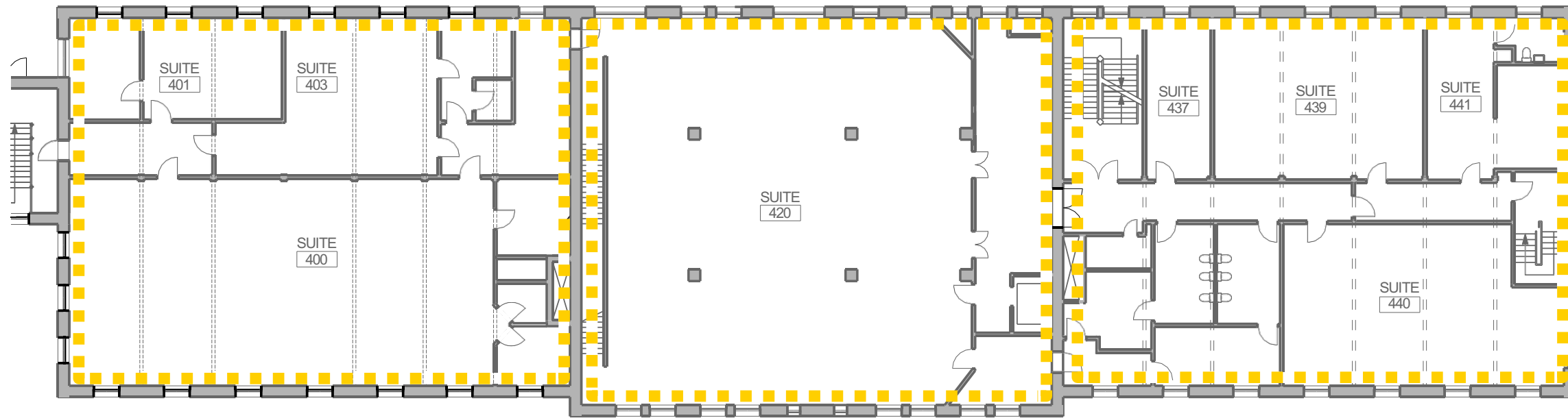
GOOD SHEPHERD CENTER Seismic Retrofit Updates

November 15, 2023



2024 Retrofits to Main Building

* Work in 2024 will be on Levels 4 and 5 only



Floor Plan Diagram

- Floor/Roof Anchorage
- Drag Struts
- Braced Frames
- Strongbacks

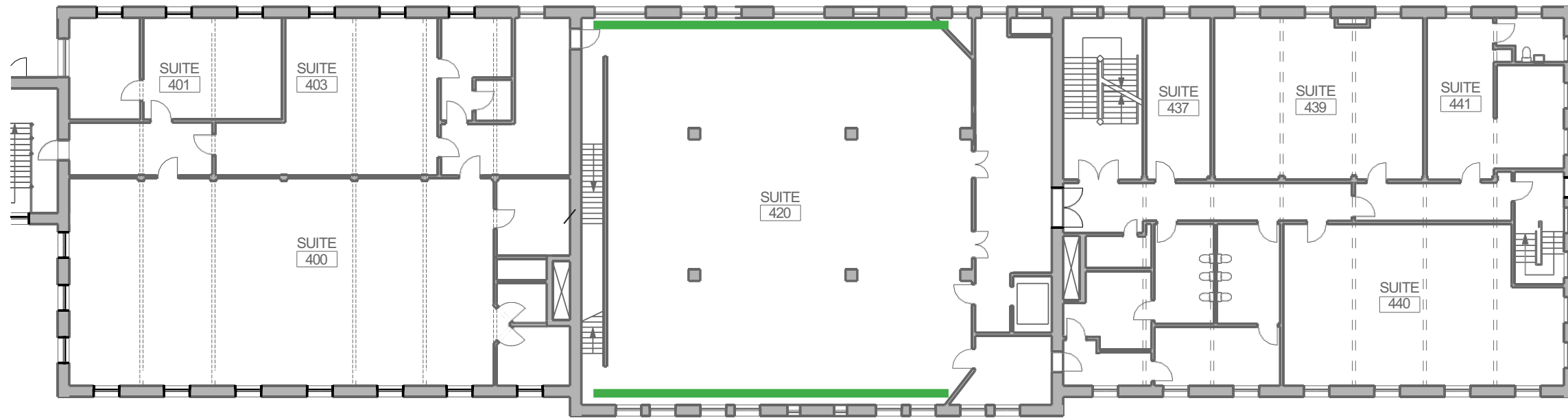


Floor/Roof Anchorage

- Installation of anchors to tie the floors and roof to the building's exterior walls
- Ceiling along perimeter walls is removed, anchors are installed within the joist space of the floors/roof, then the ceiling is replaced
- Construction noise will include ceiling demolition and drilling for anchor installation
- Will not be visible once complete

2024 Retrofits to Main Building

* Work in 2024 will be on Levels 4 and 5 only



Floor Plan Diagram

- ■ ■ ■ Floor/Roof Anchorage
- ■ ■ ■ Drag Struts
- Braced Frames
- Strongbacks

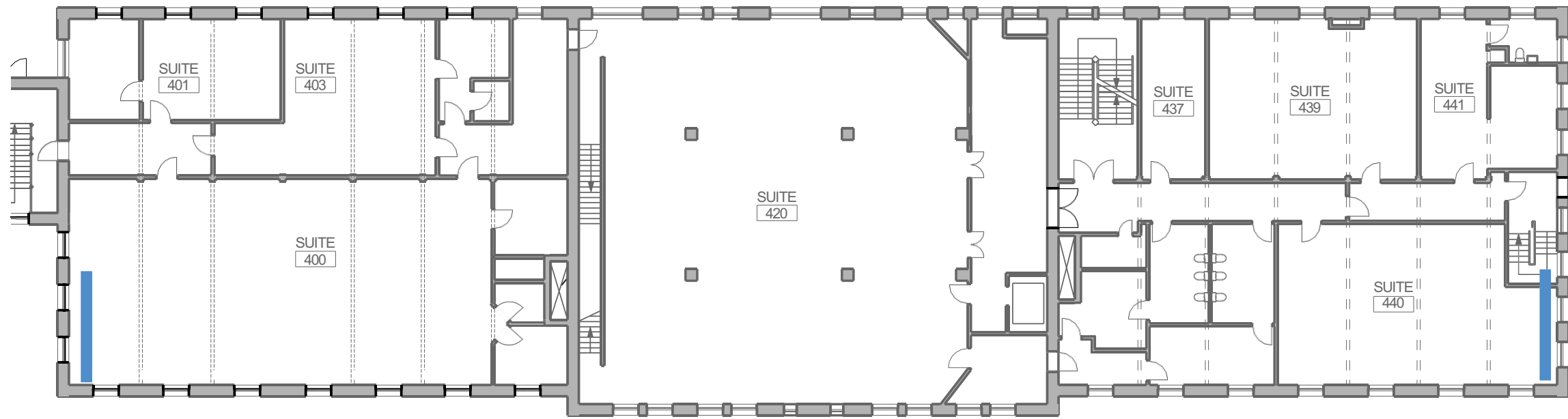


Strongbacking

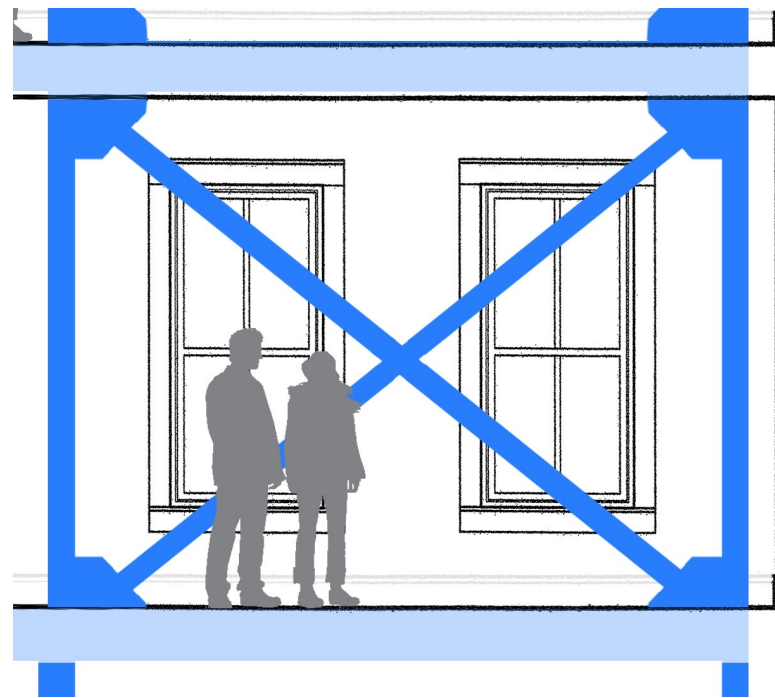
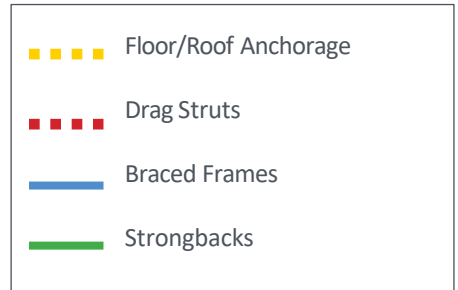
- Vertical and horizontal steel channels to brace tall walls in seismic events
- Located in Chapel along north and south walls
- Will be incorporated into/around existing architectural finishes for a pleasing aesthetic
- Construction noise will include minor demolition and installation of new steel and drywall

2024 Retrofits to Main Building

* Work in 2024 will be on Levels 4 and 5 only



Floor Plan Diagram

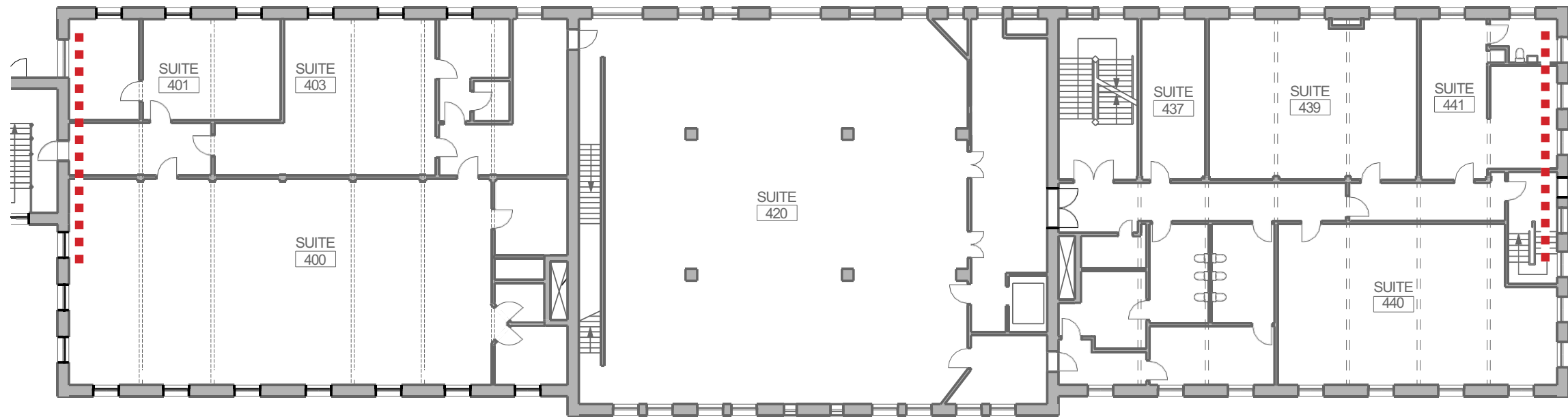


Braced Frames (Future Phase)

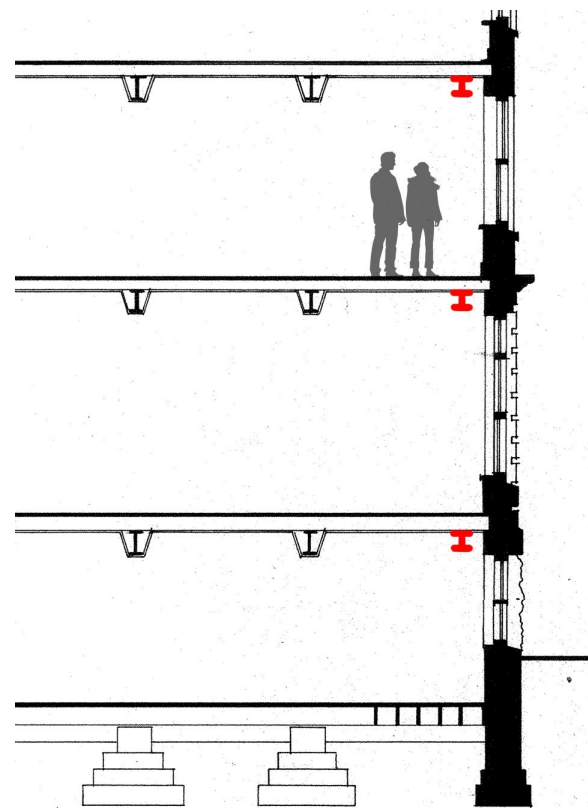
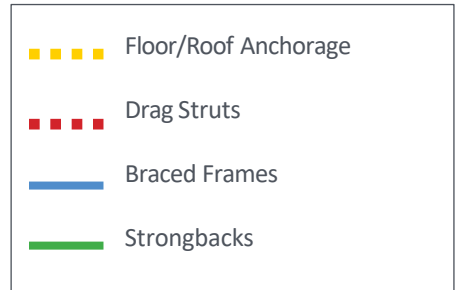
- New concrete footings and micro-piles underground supporting steel braced frames to stabilize the exterior walls
- Will be located against walls at north and south ends of building, on floors 1-4
- Will remain visible, painted to match walls

2024 Retrofits to Main Building

* Work in 2024 will be on Levels 4 and 5 only



Floor Plan Diagram

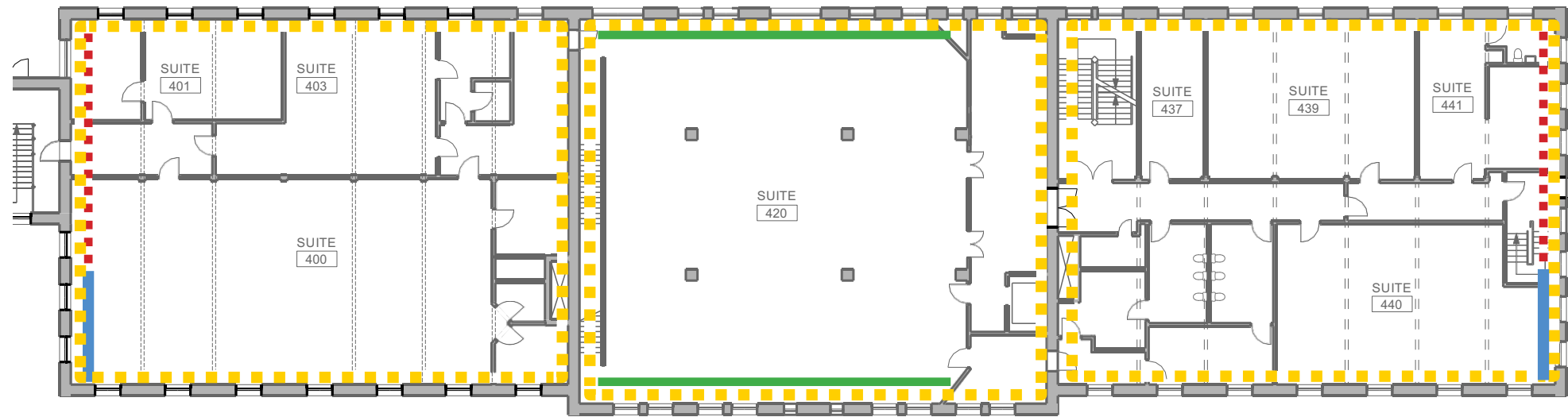


Drag Struts (Future Phase)

- Steel is installed under the existing floors to tie the braced frames to the east/west walls
- Located at north and south ends on levels 1 through 4
- May or may not be visible at ceiling based on depth of finishes

2024 Retrofits to Main Building

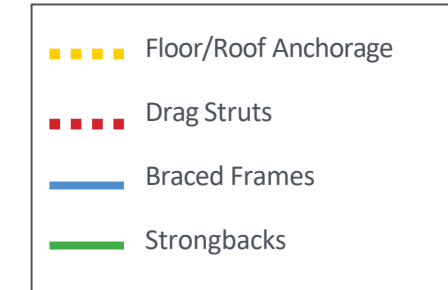
* Work in 2024 will be on Levels 4 and 5 only



FOURTH FLOOR PLAN

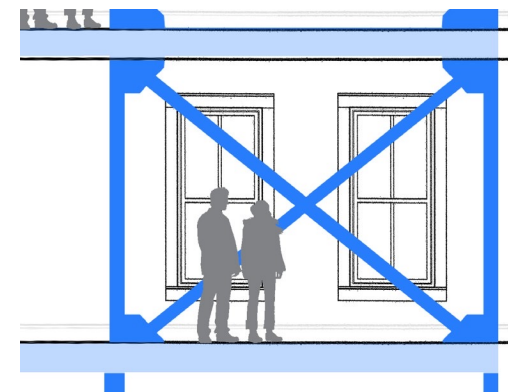


Floor Plan Diagram



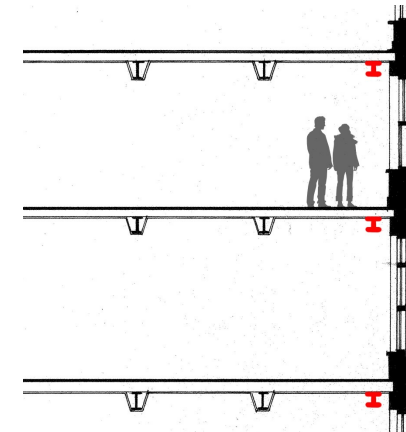
Floor/Roof Anchorage

- Installation of anchors to tie the floors and roof to the building's exterior walls
- Ceiling along perimeter walls is removed, anchors are installed within the joist space of the floors/roof, then the ceiling is replaced
- Construction noise will include ceiling demolition and drilling for anchor installation
- Will not be visible once complete



Braced Frames - FUTURE PHASE

- New concrete footings and micro-piles underground supporting steel braced frames to stabilize the exterior walls
- Will be located against walls at north and south ends of building, on floors 1-4
- Will remain visible, painted to match walls



Drag Struts - FUTURE PHASE

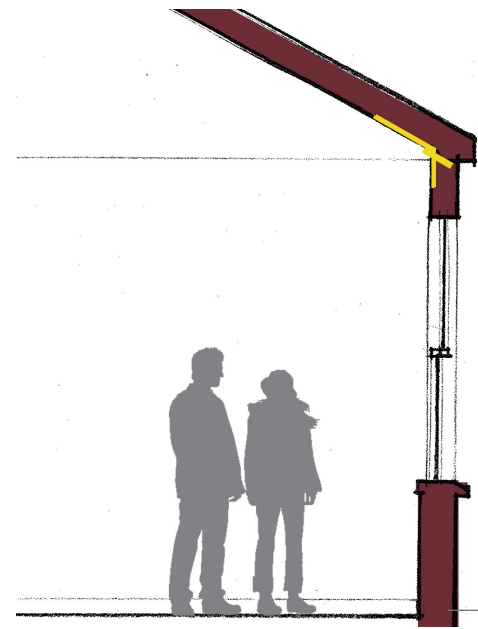
- Steel is installed under the existing floors to tie the braced frames to the east/west walls
- Located at north and south ends on levels 1 through 4
- May or may not be visible at ceiling based on depth of finishes



Strongbacking

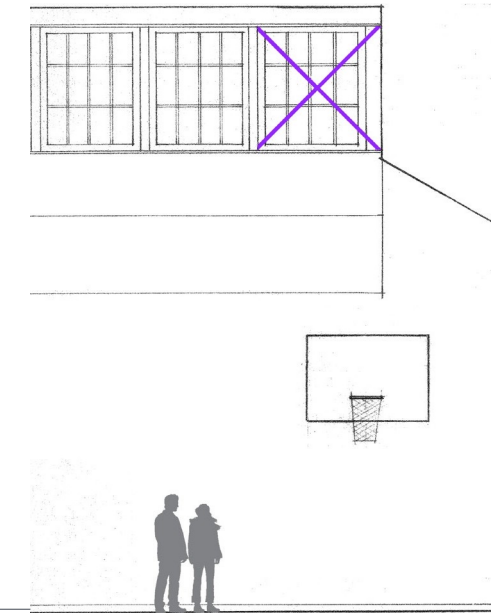
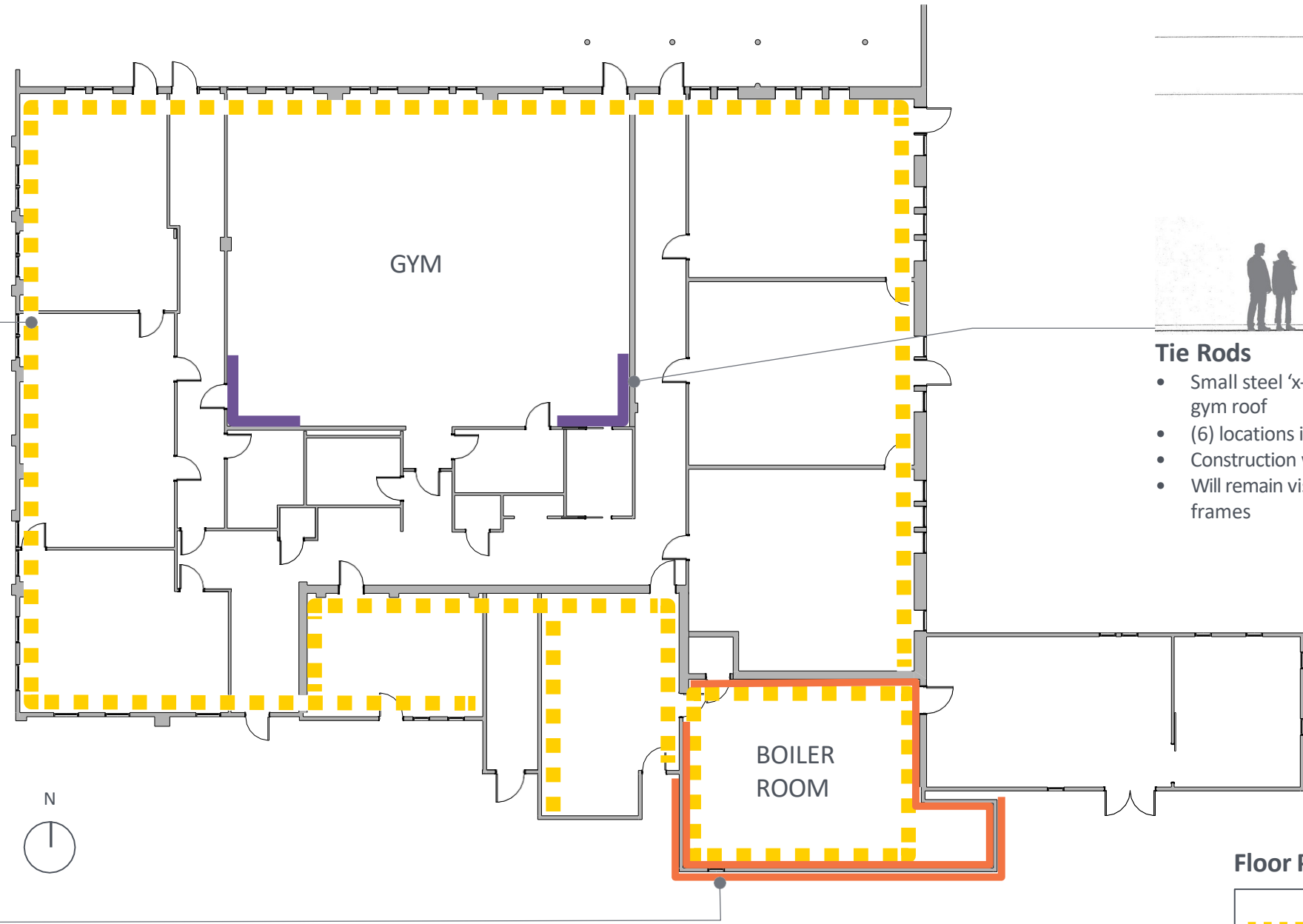
- Vertical and horizontal steel channels to brace tall walls in seismic events
- Located in Chapel along north and south walls
- Will be incorporated into/around existing architectural finishes for a pleasing aesthetic

2024 Retrofits to South Annex



Roof Anchorage

- Installation of anchors to tie the roof to the building's exterior walls
- Wood/acoustic ceiling at perimeter walls will be removed for work, then replaced
- Construction noise will be muted outside of building



Tie Rods

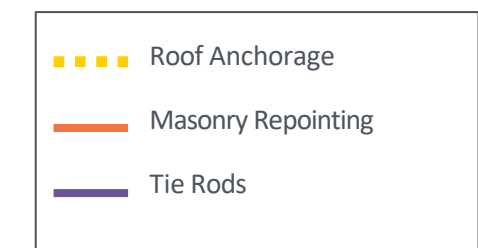
- Small steel 'x-braces' made of rods to add stability under gym roof
- (6) locations in high windows of gym
- Construction work won't be heard from outside of building
- Will remain visible and will be painted to match window frames



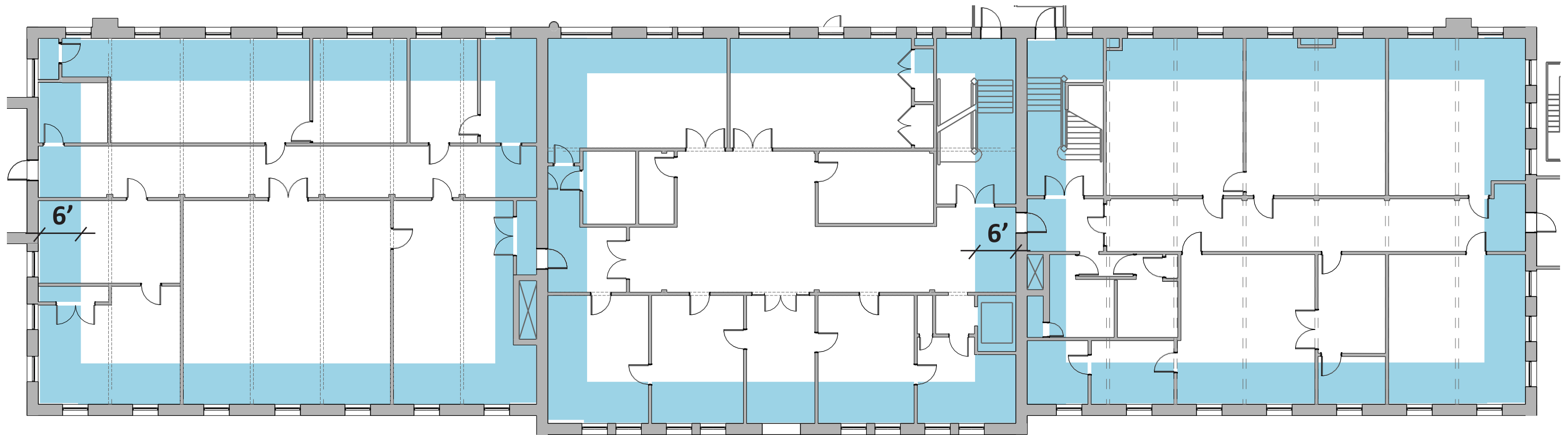
Masonry Repointing

- Removal and replacement of mortar between existing bricks to help stabilize masonry walls
- Interior and exterior of Boiler Room
- Scraping noise outside of Boiler Room when old mortar is removed (handheld power tools)

Floor Plan Diagram



Preparation for Main Building Work



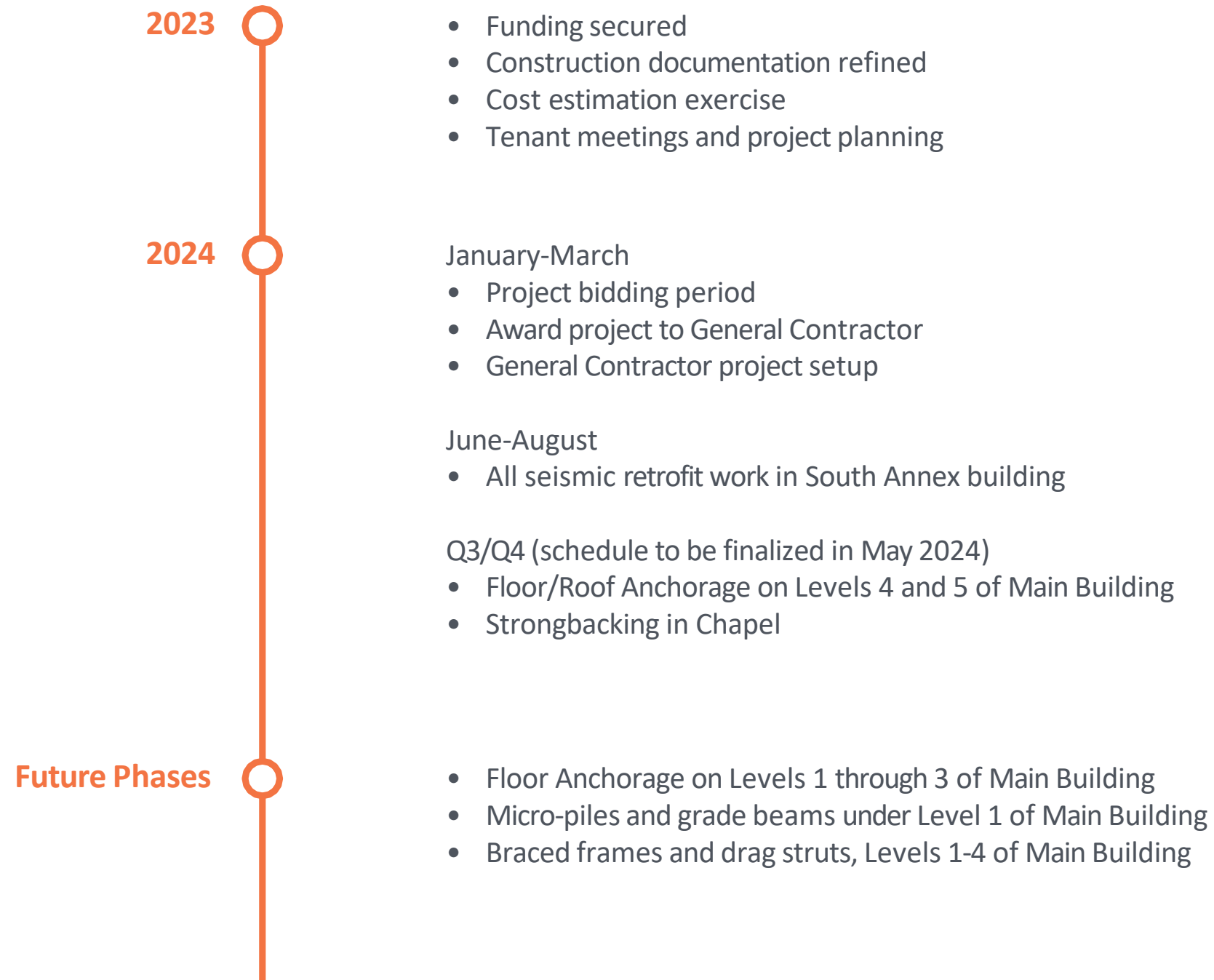
TYPICAL FLOOR PLAN



6-Foot Construction Zone

- Move all furniture and belongings at least 6 feet away from all exterior walls and fire walls.
- Protect computers/other equipment in cabinets or closets, or move off-site.
- Remove curtains from windows.

Updated Schedule



Site Impacts

