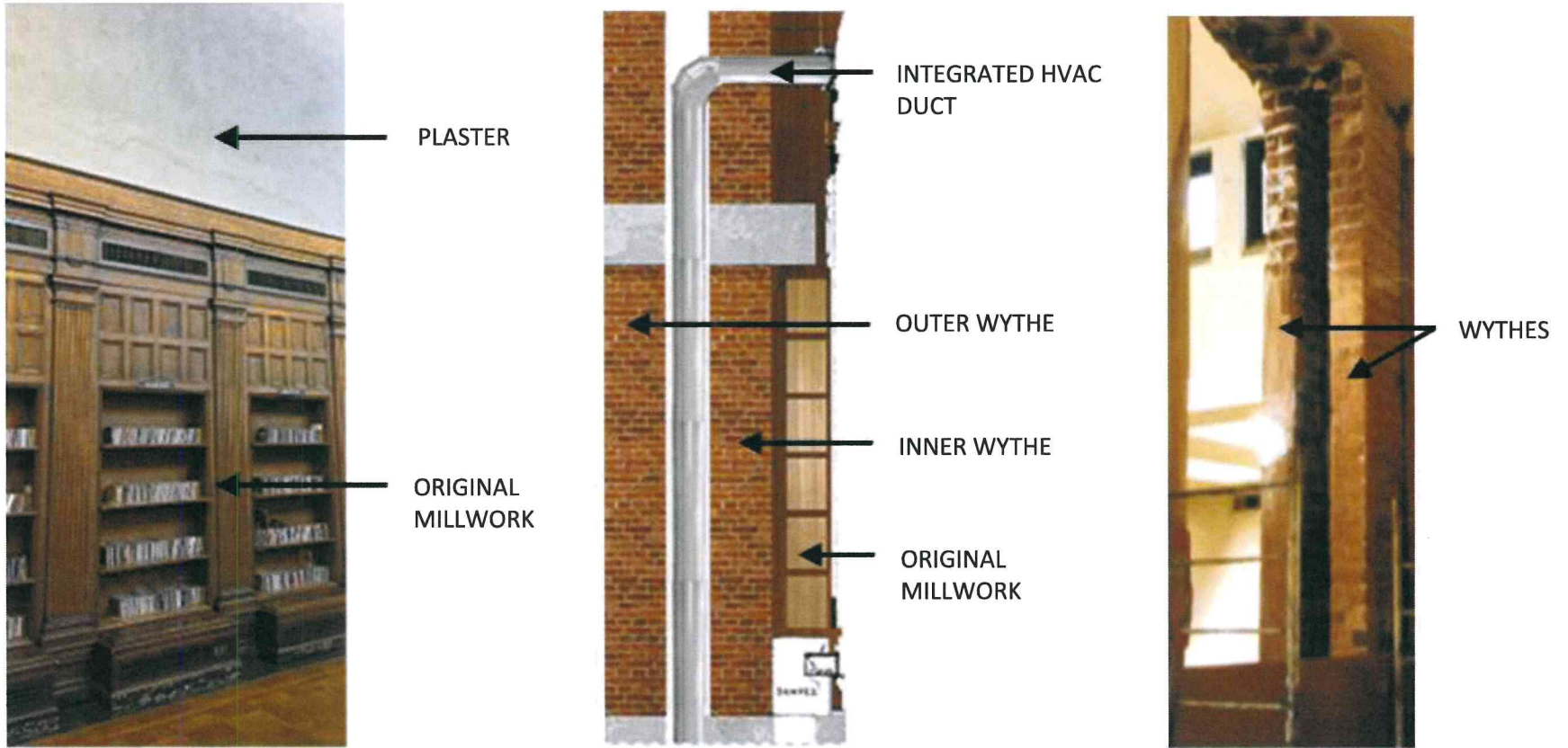


ATTACHMENT A

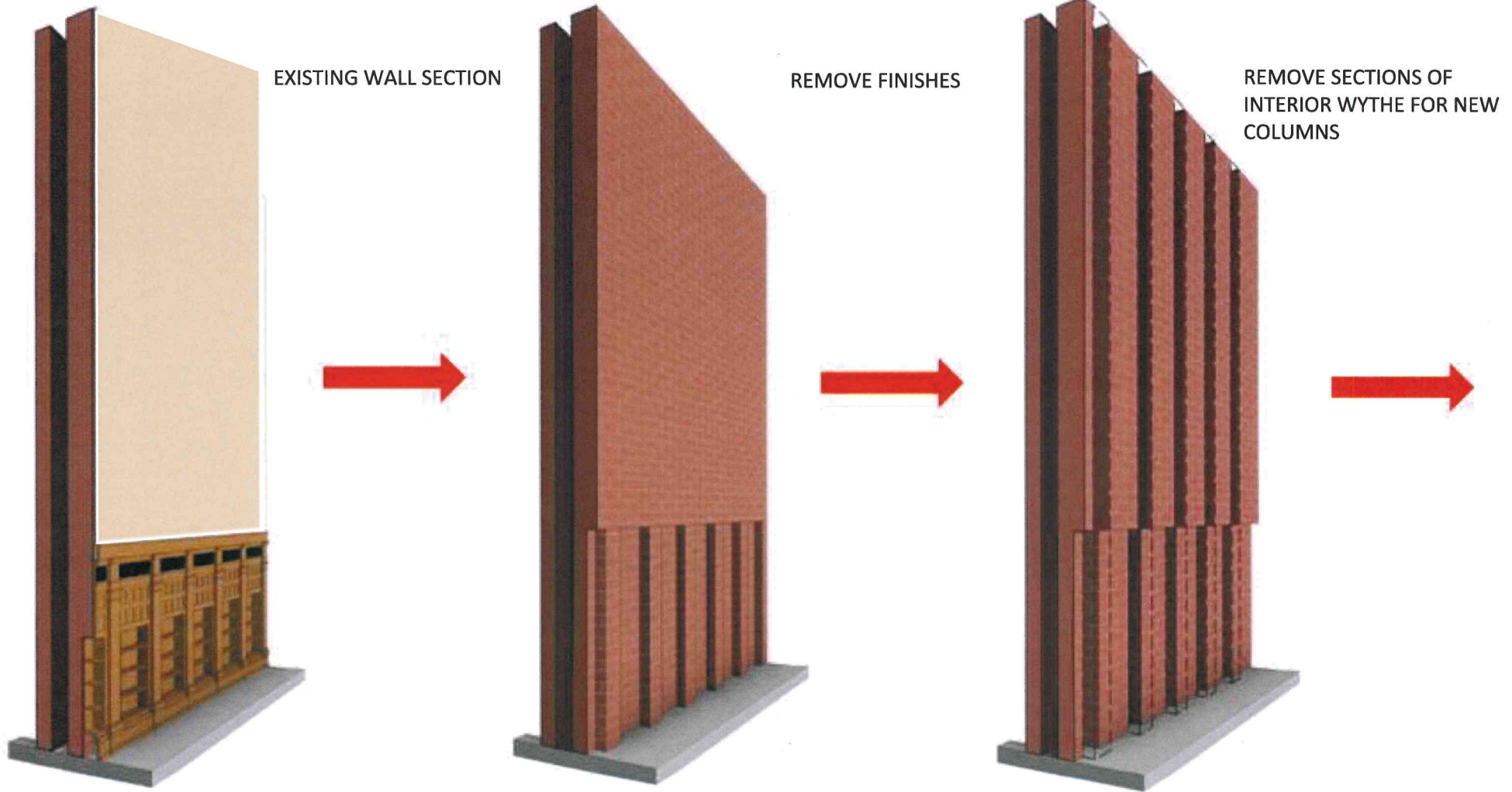
CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES



EXISTING STRUCTURE

ATTACHMENT A

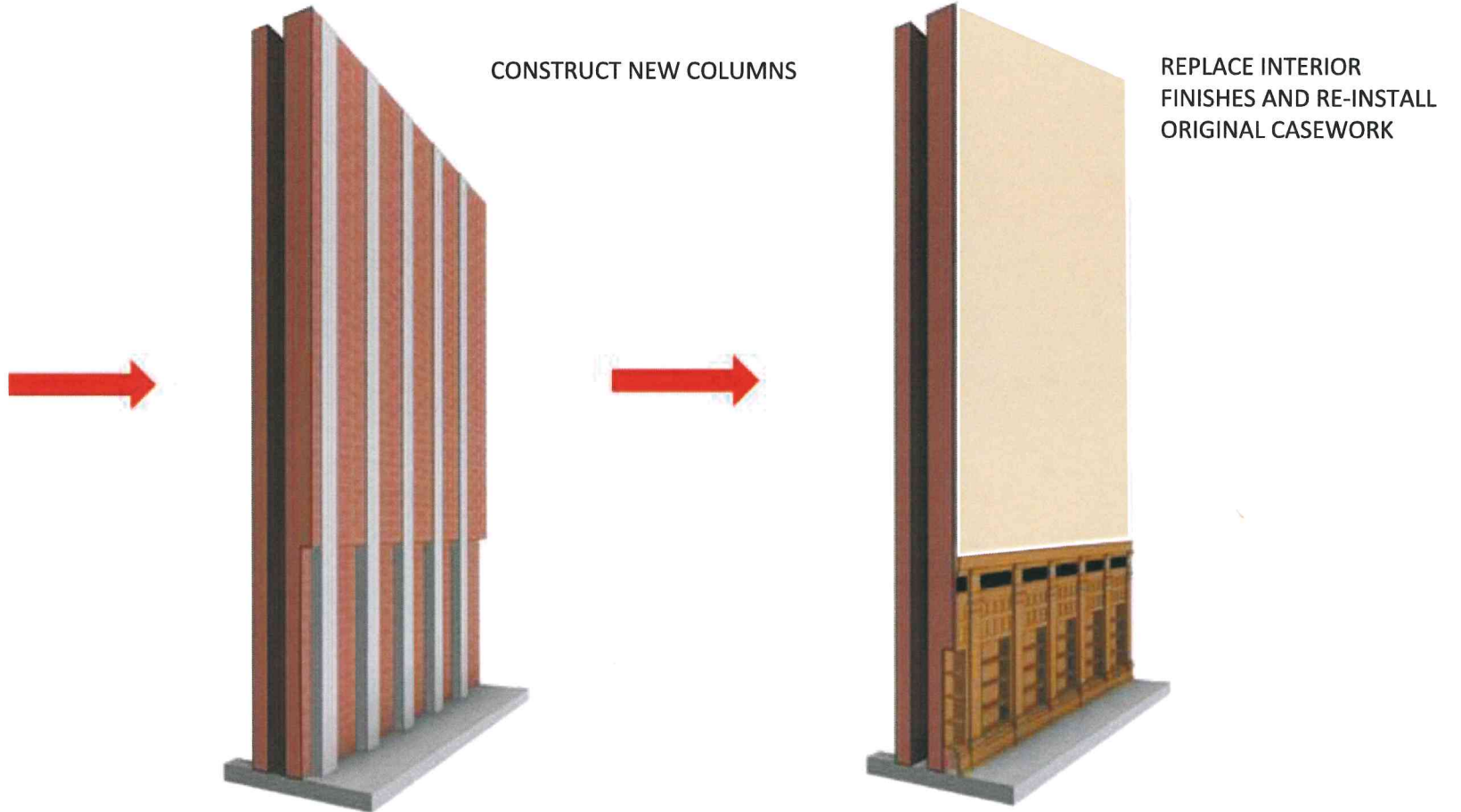
CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES



BASELINE APPROACH

ATTACHMENT A

CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES

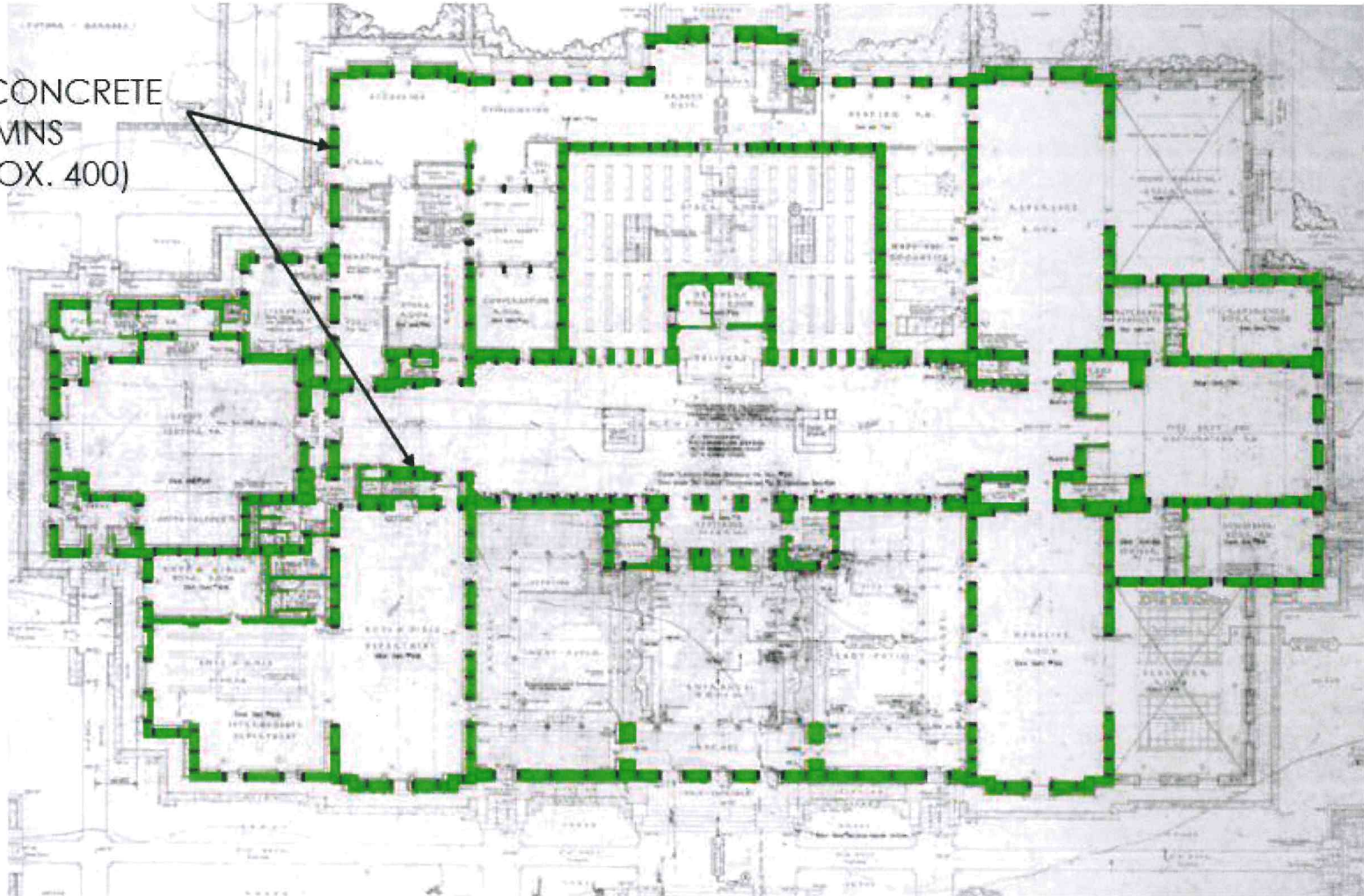


BASELINE APPROACH (continued)

ATTACHMENT A

CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES

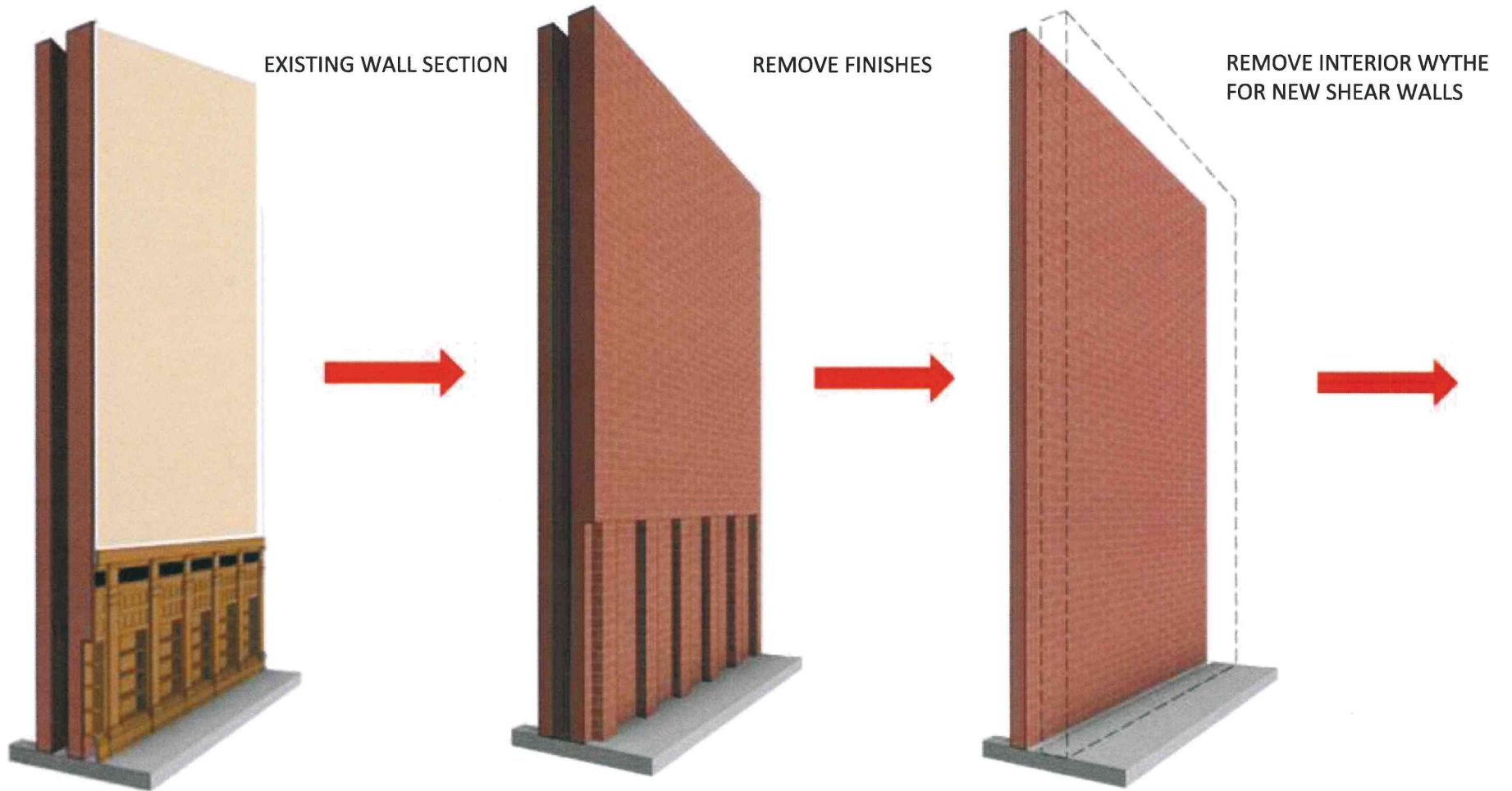
NEW CONCRETE
COLUMNS
(APPROX. 400)



BASELINE APPROACH (continued)

ATTACHMENT A

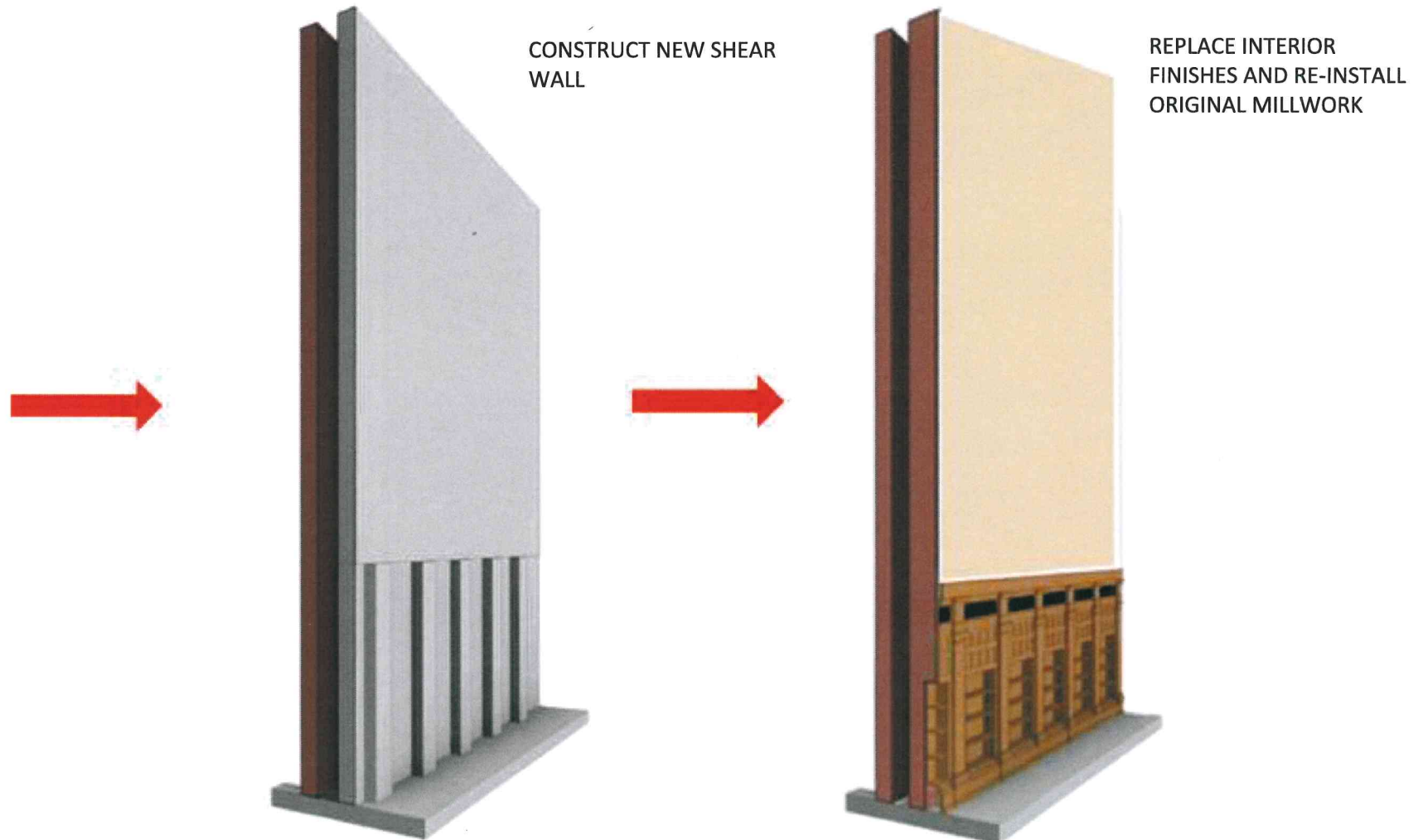
CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES



CONCRETE SHEAR WALL APPROACH

ATTACHMENT A

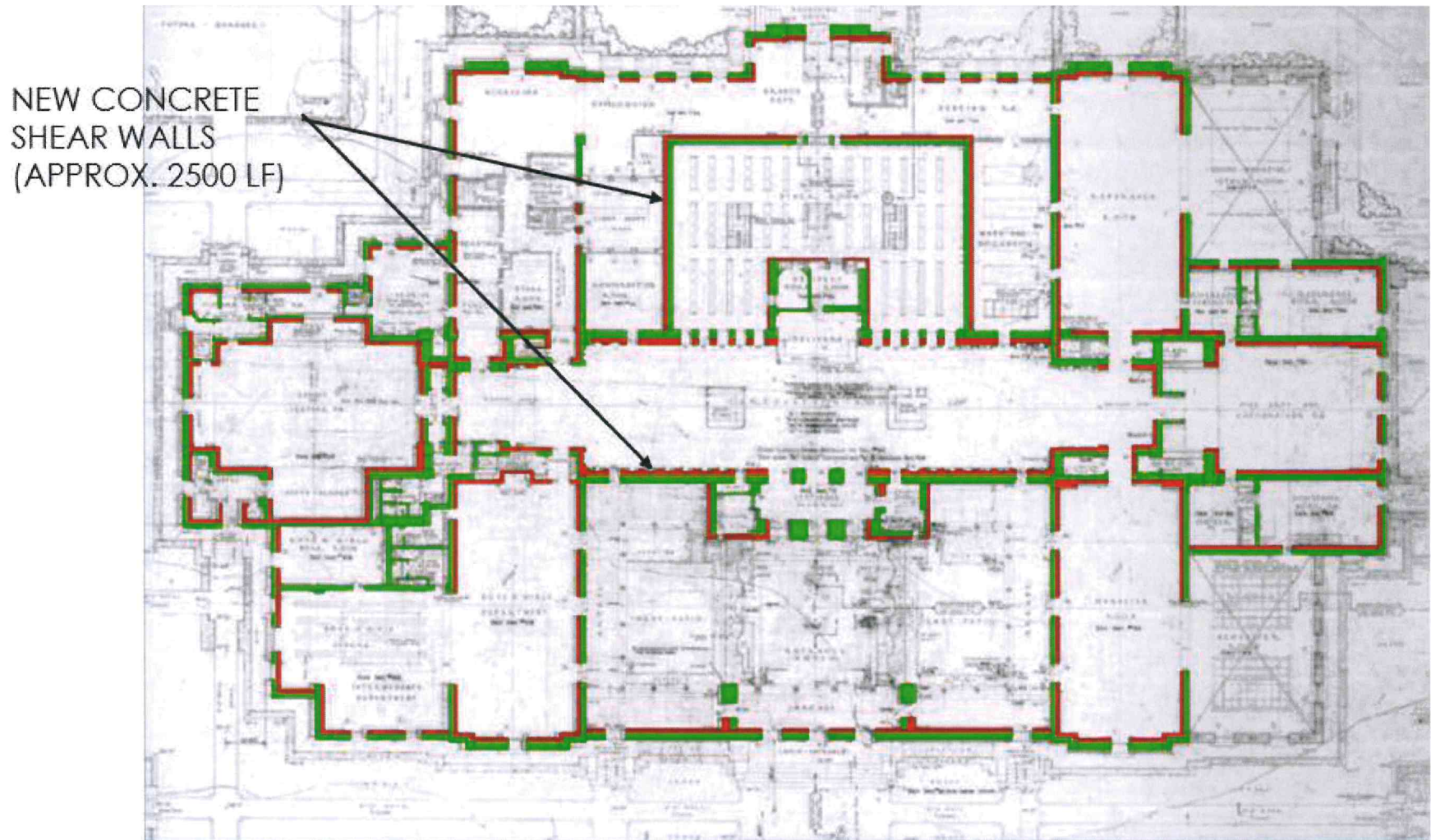
CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES



CONCRETE SHEAR WALL APPROACH (continued)

ATTACHMENT A

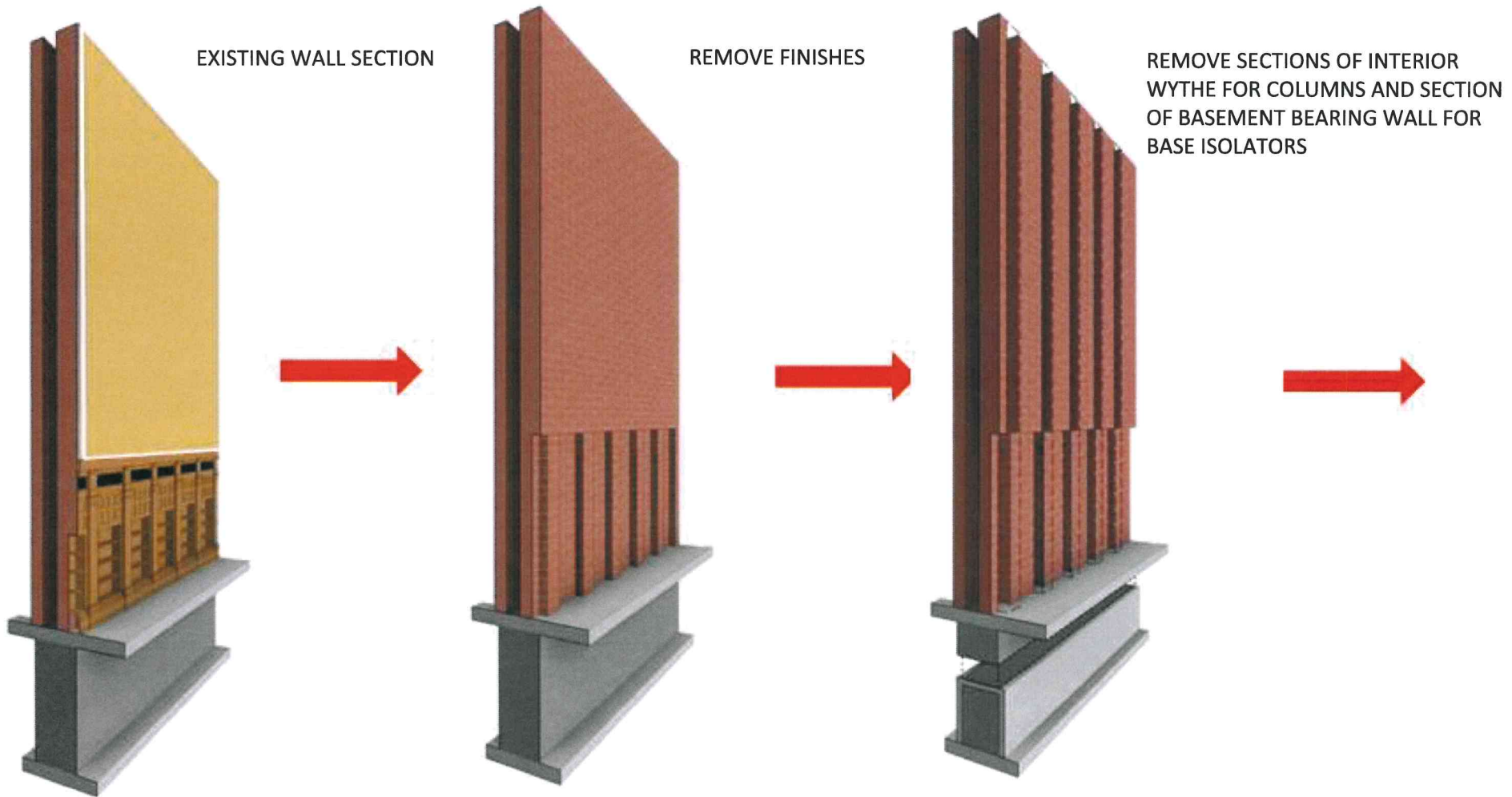
CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES



CONCRETE SHEAR WALL APPROACH (continued)

ATTACHMENT A

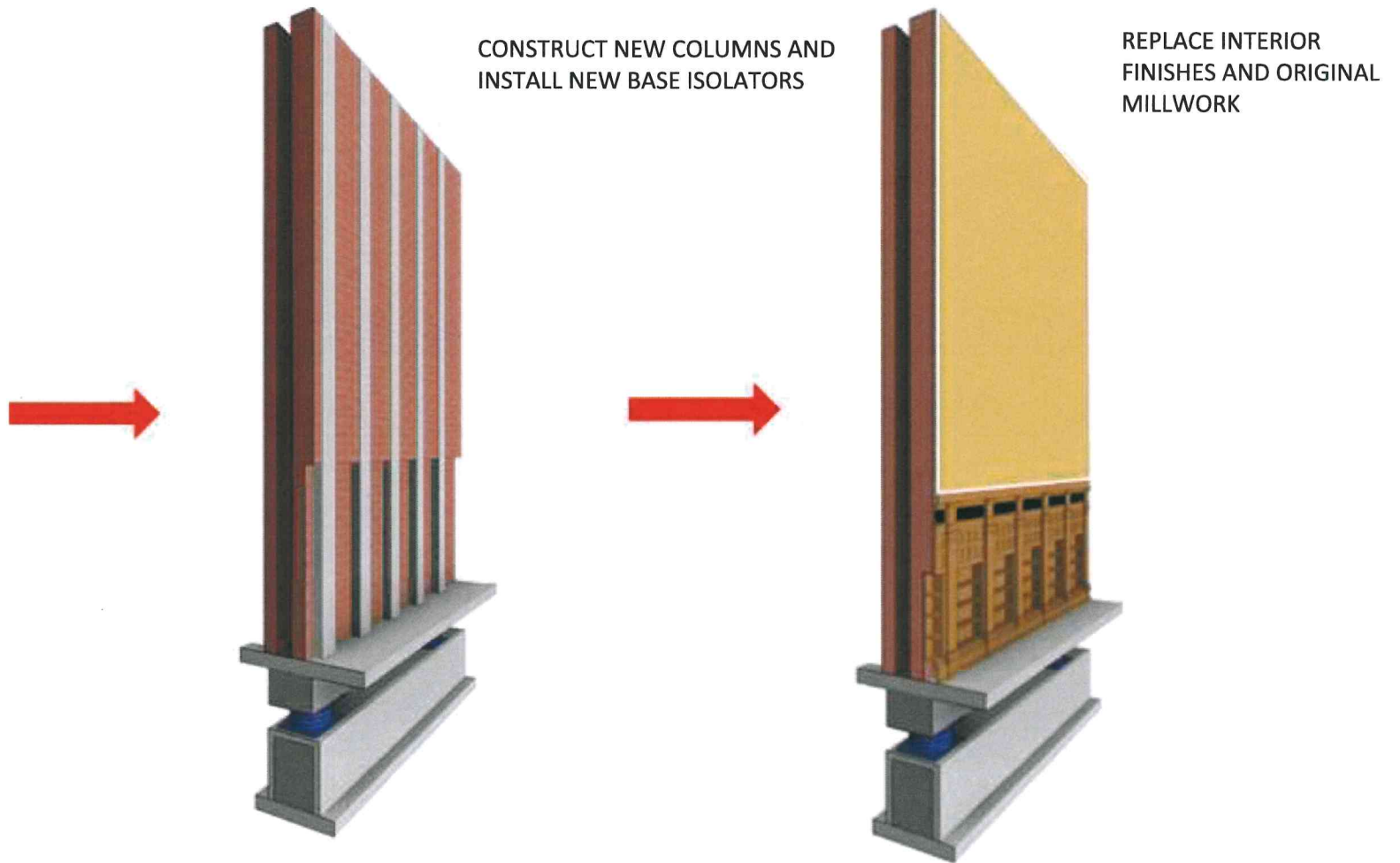
CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES



BASE ISOLATION APPROACH

ATTACHMENT A

CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES

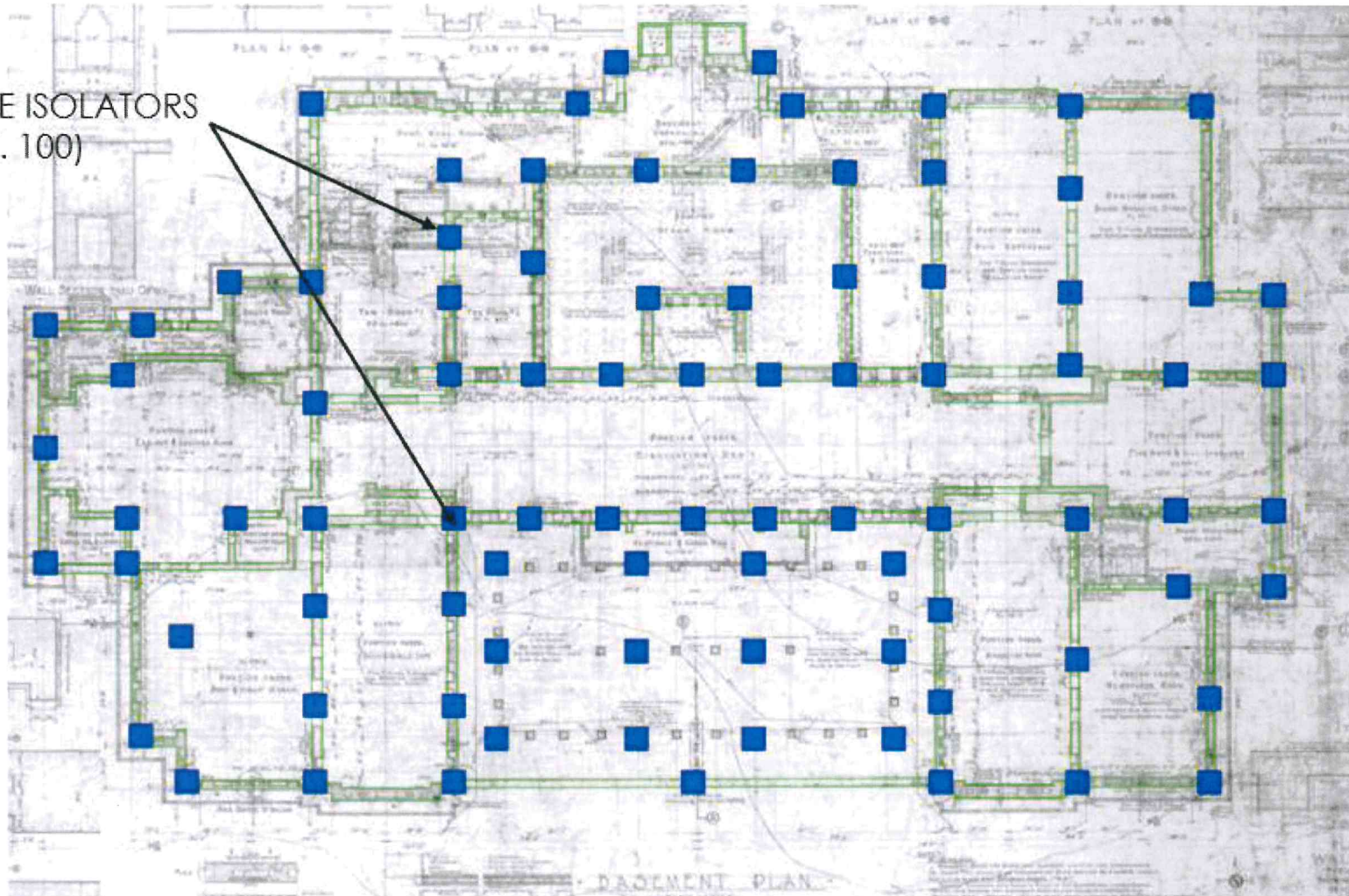


BASE ISOLATION APPROACH (continued)

ATTACHMENT A

CENTRAL LIBRARY EARTHQUAKE RETROFIT AND BUILDING REPAIRS PROJECT EXISTING STRUCTURE AND EARTHQUAKE RETROFIT APPROACHES

NEW BASE ISOLATORS
(APPROX. 100)



BASE ISOLATION APPROACH (continued)