STRUCTURAL STUDY - FEDERAL HALL
FEDERAL HALL PLAN

AREA OF STRUCTURAL STUDY

STRUCTURAL STUDY - FEDERAL HALL
ENLARGED PLAN DETAIL

Structural Study - Federal Hall

2 3 4 5 6

12'-6" 12'-6" 12'-6" 12'-6"

A B C D

12' 12' 12'

Structural Columns
STRUCTURAL STUDY

STRUCTURAL GRID FROM FLOOR PLAN
STRUCTURAL STUDY

IDENTIFY VOLUME - A SPACE FOR US TO OCCUPY
STRUCTURAL STUDY

START WITH VERTICAL SUPPORTS - CAN BE STRUCTURAL COLUMNS OR WALLS
USE GIRDERS FOR LONGER SPANS BETWEEN VERTICAL SUPPORTS - CREATE SHORTER, MORE MANAGEABLE SPANS FOR BEAMS
GIRDERS SPAN FROM GRID LINE A TO GRID LINE D
USE BEAMS FOR SHORTER SPANS BETWEEN GIRDERS - CREATE SHORTER, MORE MANAGEABLE SPANS FOR DECKING

STRUCTURAL STUDY - FEDERAL HALL
BEAMS SPAN BETWEEN GIRDERS - FROM GRID LINE 2 TO 4, AND GRID LINE 4 TO 6
USE DECKING TO SPAN BETWEEN BEAMS AND CREATE WALKABLE SURFACE / ENCLOSURE
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Decking spans between beams - grid line A to B, B to C, and C to D