

An aerial photograph of Santa Cruz, California, showing the downtown area, a large green park, and the coastline. The city is built on a hillside, and the ocean is visible in the foreground. The text "SANTA CRUZ DOWNTOWN LIBRARY ADVISORY COMMITTEE" is overlaid in the top right corner.

SANTA CRUZ DOWNTOWN
LIBRARY ADVISORY COMMITTEE

NOLL & TAM ARCHITECTS
PUBLIC MEETING – SEPT. 13, 2017

13 September 2017

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A. DRAFT PROGRAM

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- CITY POPULATION STABLE
- PHYSICAL COLLECTION SIZE STABLE
- STAFFING TO REMAIN AT CURRENT LEVELS
- MAXIMIZE PUBLIC USE OF LIBRARY
- INCREASE CAPACITY TO RESPOND TO COMMUNITY NEEDS



ASSUMPTIONS

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- DEMOGRAPHIC DATA / BENCHMARKING DATA
- LIBRARY DATA
- USE OF THE BUILDING
- SITE VISIT (JULY 26 - 27, 2017)
- PENDING: COMMUNITY SURVEY



DATA COLLECTION AND REVIEW

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	2017	Current best practice	Initial recommendations
Seating	189 seats 2.9 seats/ 1,000 people	193 – 322 seats 3 – 5 seats/ 1,000 people	268 seats 4 seats/1,000 people
Group study/conference spaces	NA/Ad hoc	30 – 60 seats in 4 – 10 rooms	30 seats: 2-seat rooms (4) 4-seat rooms (3) 10 seat room (1)
Meeting Room Space	88 seats Main room: 63 seats Small room: 25 seats	150 – 200 seats	177 seats Main room: 125 seats Small room: 20 seats Computer lab: 12 seats Creation Space/Media Lab: 20 seats
Children's Programming Space	NA	40 – 75+ seats on floor	80 seats on floor
Public Computers	44 computers .68 computers/ 1,000 people	.5 – 1 computers (workstations or laptops)/ 1,000 people	69 computers 1 computer/ 1,000 people

APPLYING INDUSTRY SERVICE STANDARDS

Santa Cruz Downtown Library
Draft Spaces Summary (as of 9/13/17)

SPACE	PROPOSED SQ FEET	PROPOSED TOTAL SF	EXISTING TOTAL SF
1 Public Areas			
First Floor Lobby	228		
Café	212		
Friends' Corner	150		
Public Restrooms - First Floor	IN GSF		
Outdoor Patio Area	IN GSF		
Express Checkout	248		
Information/Service Desk	278		
Holds	80		
Copy Center	100		
Total Public Areas		1,296	1,600
2 Adult Services			
New Books	631		
Public Access Computers	1,180		
Reference Collection	1,178		
Tech Podium	60		
Computer Lab	416		
Adult Fiction	3,214		
Nonfiction	4,702		
Spanish Language Collection	291		
Magazine & Newspapers	308		
Media	882		
Genealogy/Californiana/Local History	3,602	3,602	(2,323)
Large Print Books	312		
Outreach	587		
Quiet Reading	550		
Total Adult Services		17,912	16,000
3 Youth Services			
Teenspace	1,328		
Family Space	625		
Kidspot	4,431		
Kidspot Storytime Area	910		
Children's Service Desk	60		
Family Restrooms	IN GSF		
Total Youth Services		7,354	4,000

4 Meeting Spaces			
Creation Space/Media Lab	580		
Community Meeting Room (Dividable)	1,910		
Meeting Room Storage	186		
Kitchen	90		
Medium Meeting Room	500		
Small Meeting Room	250		
Group Study/Tutoring Rooms	500		
Total Meeting Spaces		4,016	1,200
5 Staff Areas			
Branch Manager's Office	145		
Aide Supervisor's Office	100		
Telephone Info	97		
Staff Offices	768		
Circulation	727		
Local History Workroom	128		
Children's Services Workroom	568		
Staff Lounge	492		
Total Staff Areas		3,025	6,000
6 Support Areas			
Delivery Area	94		
Janitorial Closet	227		
Server Room	180		
Storage	384		
Total Support Areas		885	2,000
Net Assignable Square Feet:		34,488	30,800
Gross Square Feet @ 70% Net to Gross SF:		49,269	44,000

DRAFT PROGRAM

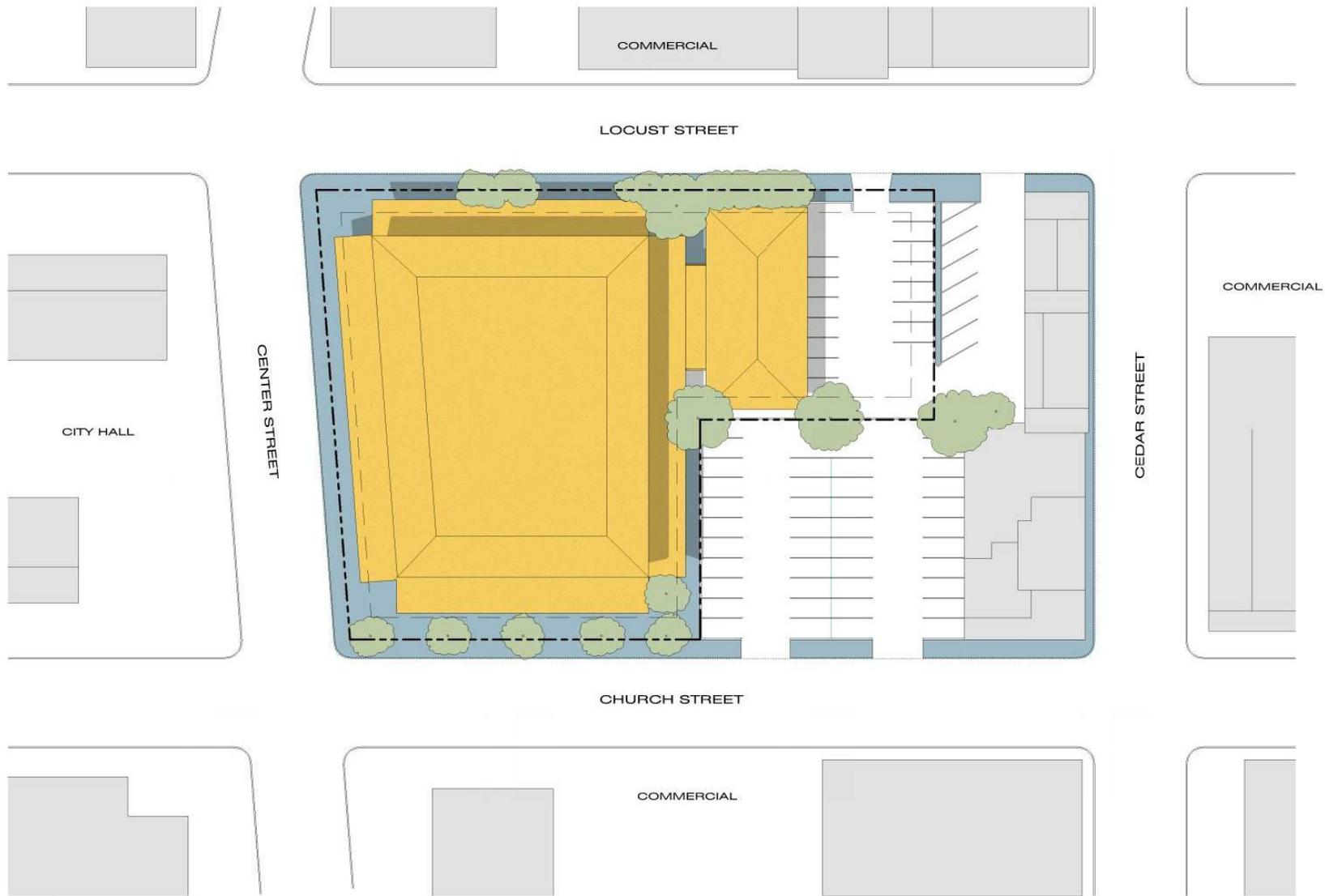
- INTUITIVE WAYFINDING
- USER-FRIENDLY
- ENVIRONMENTALLY FRIENDLY
- LOTS OF NATURAL LIGHT
- WARM AND COMFORTABLE
- NATURAL VENTILATION
- ART THROUGHOUT
- TECHNOLOGICALLY RICH
- FLEXIBLE
- SAFE
- STREAMLINED WORKFLOWS
- **WOW FACTOR**

DESIGN CONSIDERATIONS

B. EXISTING BUILDING ASSESSMENT

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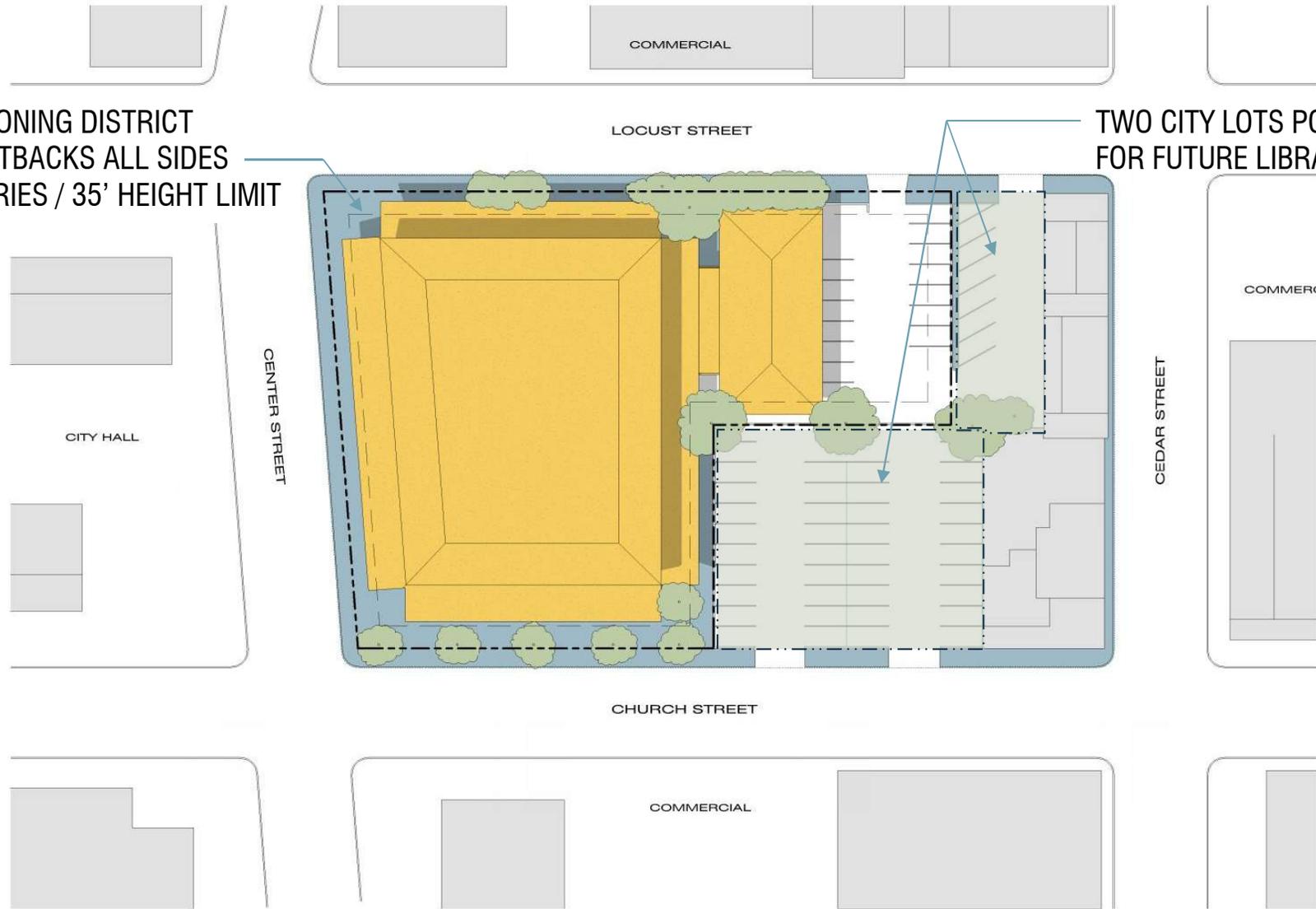
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“PF” ZONING DISTRICT
10’ SETBACKS ALL SIDES
3 STORIES / 35’ HEIGHT LIMIT

TWO CITY LOTS POSSIBLY
FOR FUTURE LIBRARY USE.



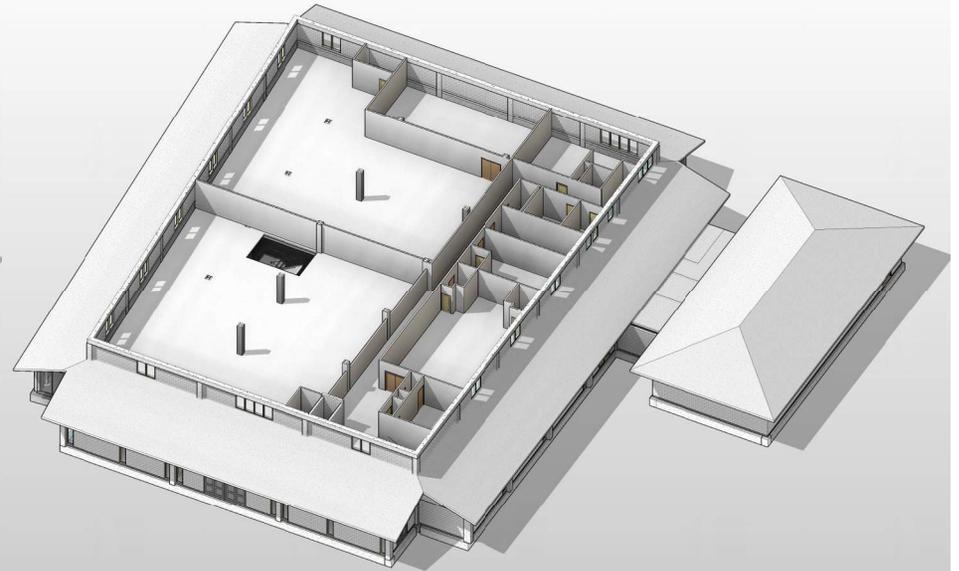
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GROUND FLOOR



UPPER FLOOR

- NO SPACE DEDICATED TO TEENS OR TEEN PROGRAMMING
- BACK-OF-HOUSE TO PUBLIC RATIO POOR
- NO BACK-UP GENERATOR
- CONCERNS ABOUT ASBESTOS IN FLOOR TILES AND OTHER AREAS
- POOR DELIVERY SPACE



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RESTROOMS DO NOT MEET ADA OR OTHER STANDARDS

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MEETING SPACES INADEQUATE IN NUMBERS AND AMENITIES AND ARE ISOLATED FROM OTHER PUBLIC SPACES



CHILDREN'S AND TEEN AREAS ARE INADEQUATE FOR CURRENT USE

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INTERIOR LIGHTING IS INADEQUATE



BOOKDROPS ARE POORLY PLACED AND NOT SECURE

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THERE ARE TOO FEW QUIET STUDY AREAS AND
NO GROUP STUDY SPACE

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ELEVATOR DATED AND REPAIRS OFTEN NEEDED

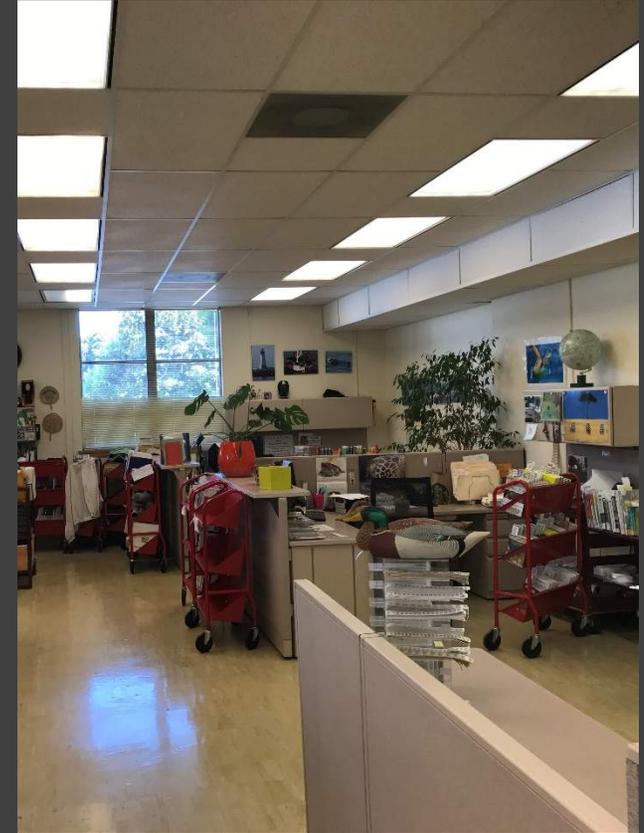


ORIGINAL NATURAL VENTILATION SYSTEM HAS POOR PERFORMANCE



ELECTRICAL PLUG AVAILABILITY, POWER AND WIRING THROUGHOUT BUILDING IS INADEQUATE

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STAFF WORKSPACE IS INEFFICIENT AND POORLY CONFIGURED

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SHELVING IS TOO TALL FOR THE DESIGNED SPACE
AND STAFF HAS POOR SIGHT LINES



SERVICE DESKS ARE LARGE
AND INFLEXIBLE

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31 October 2014

**Seismic Evaluation of the
Santa Cruz Downtown Library**
224 Church St.
Santa Cruz, California



Table of Contents

Executive Summary	1	to	2
Seismic Evaluation of the Santa Cruz Downtown Library	3	to	17
Appendix A Tier 1 Structural and Non-structural Checklists	A1	to	A22
Appendix B Tier 1 & 2 Structural Calculations	B1	to	B20

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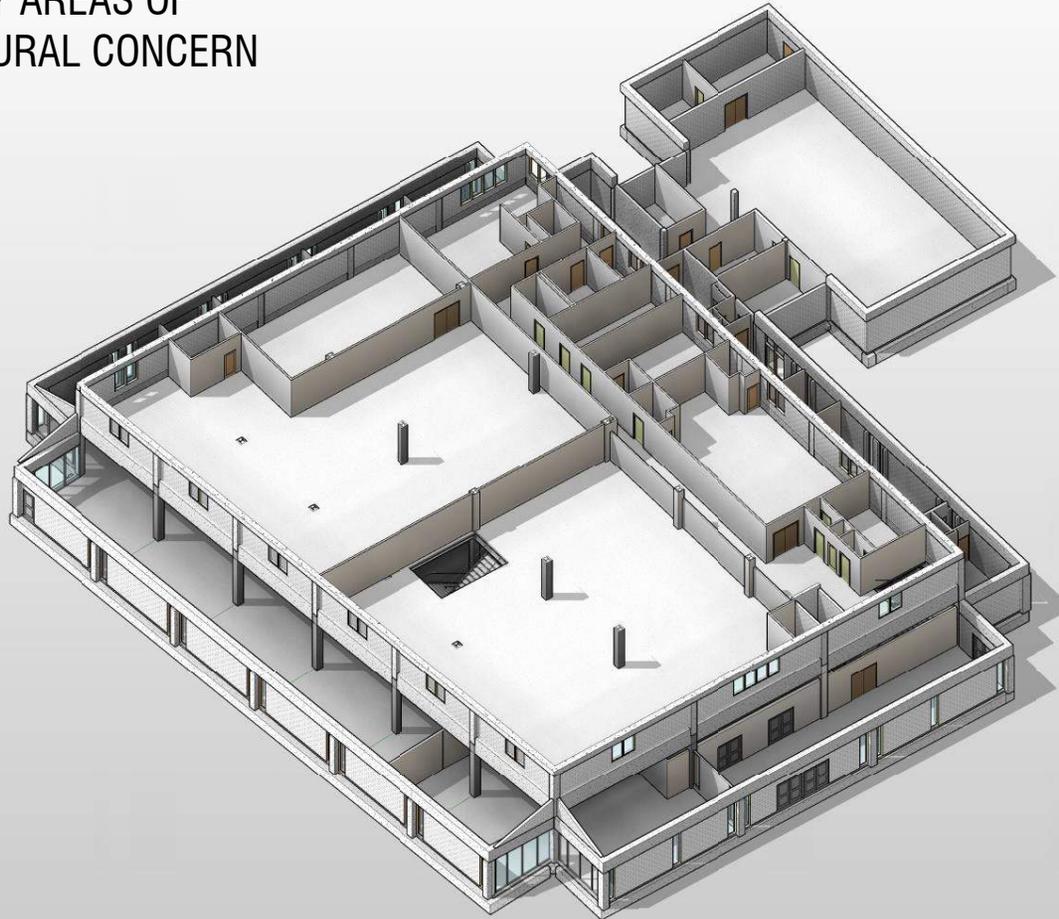
- ASCE TIER 1 SCREENING AND TIER 2 EVALUATION DONE – PRIMARY AND NON-STRUCTURAL ELEMENTS
- STRENGTHS OF EXISTING MATERIALS FROM ORIGINAL DRAWINGS REVIEWED
- LIFE SAFETY PERFORMANCE LEVEL
- HIGH LEVEL OF SEISMICITY ASSUMED

SEISMIC AND RENOVATION ANALYSIS

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SEISMIC REPORT SHOWS TWO
PRIMARY AREAS OF
STRUCTURAL CONCERN

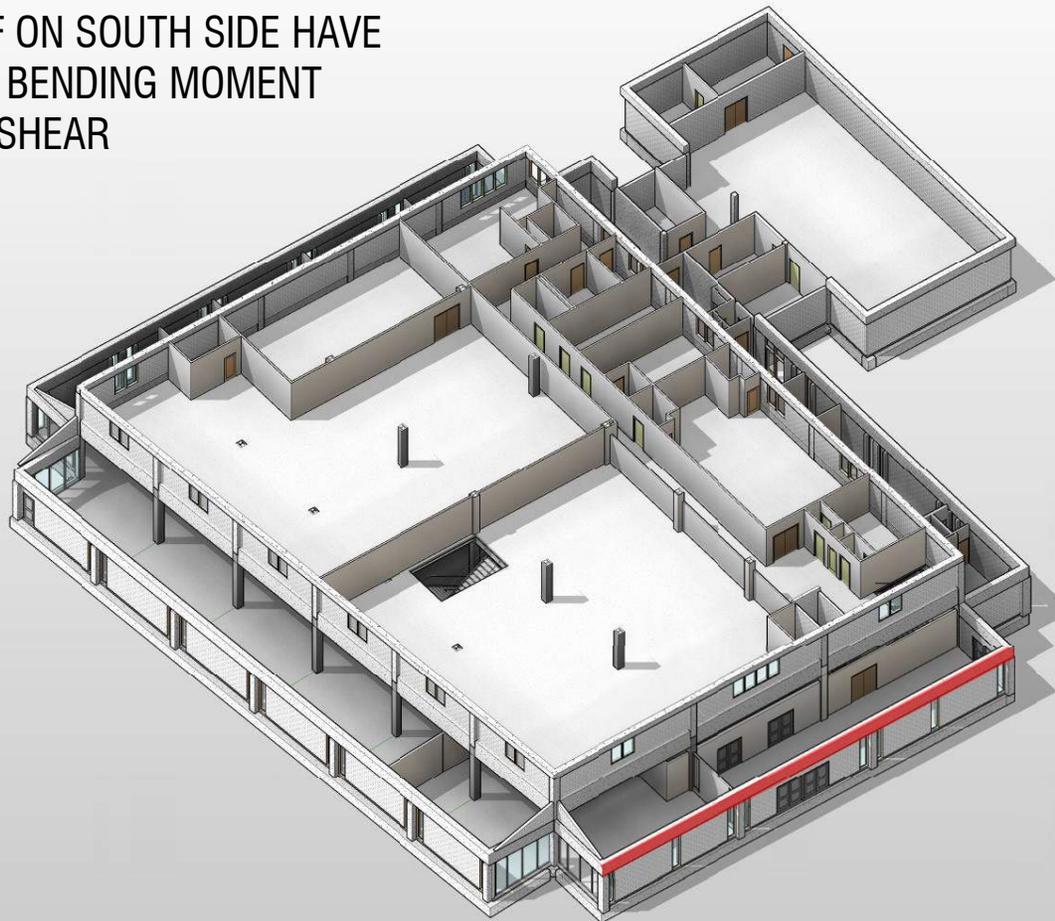


SEISMIC AND RENOVATION ANALYSIS

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- PERIMETER BEAMS AT LOW ROOF ON SOUTH SIDE HAVE HIGH BENDING MOMENT AND SHEAR

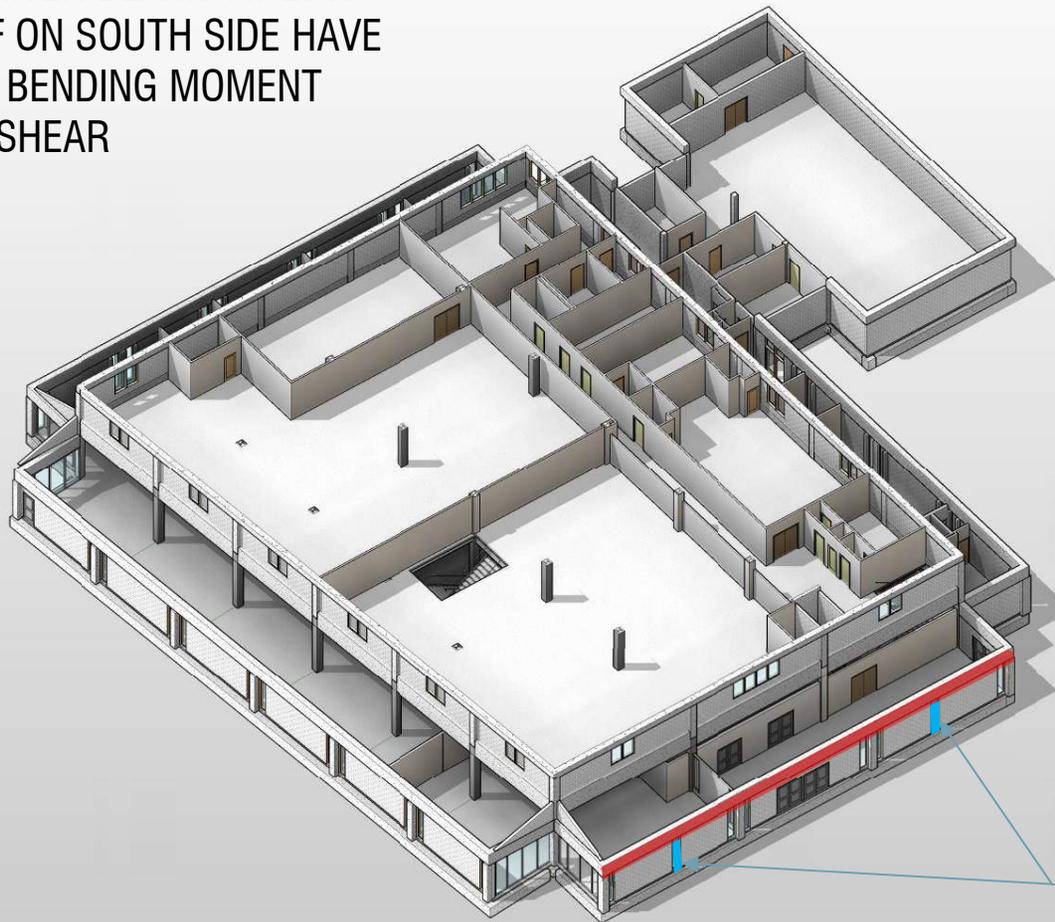


SEISMIC AND RENOVATION ANALYSIS

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- PERMITER BEAMS AT LOW ROOF ON SOUTH SIDE HAVE HIGH BENDING MOMENT AND SHEAR



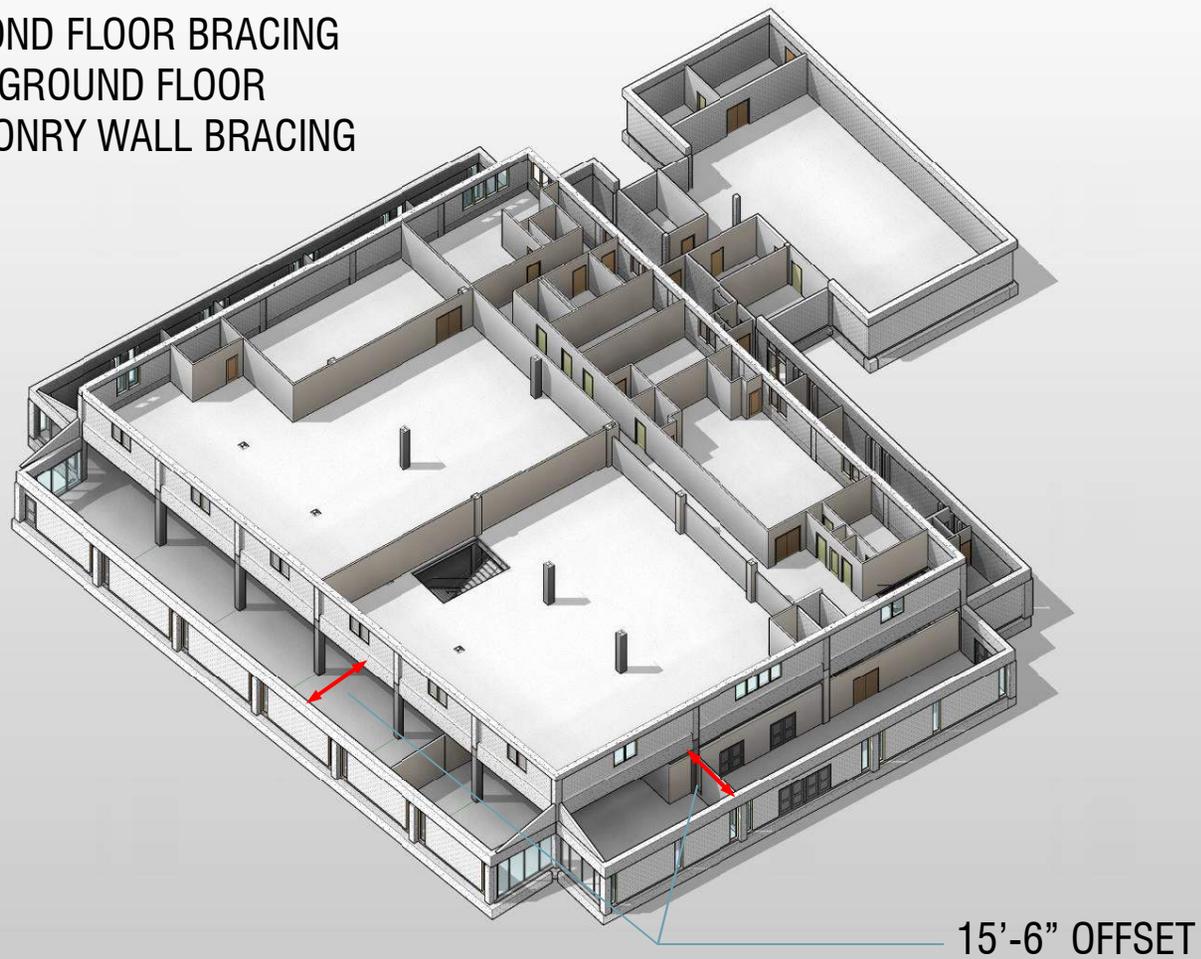
SIMPLE SOLUTION IS TO
INFILL AT TWO WINDOWS.
MORE TRANSPARENT
SOLUTIONS POSSIBLE.

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- DISCONTINUITY BETWEEN SECOND FLOOR BRACING AND GROUND FLOOR MASONRY WALL BRACING

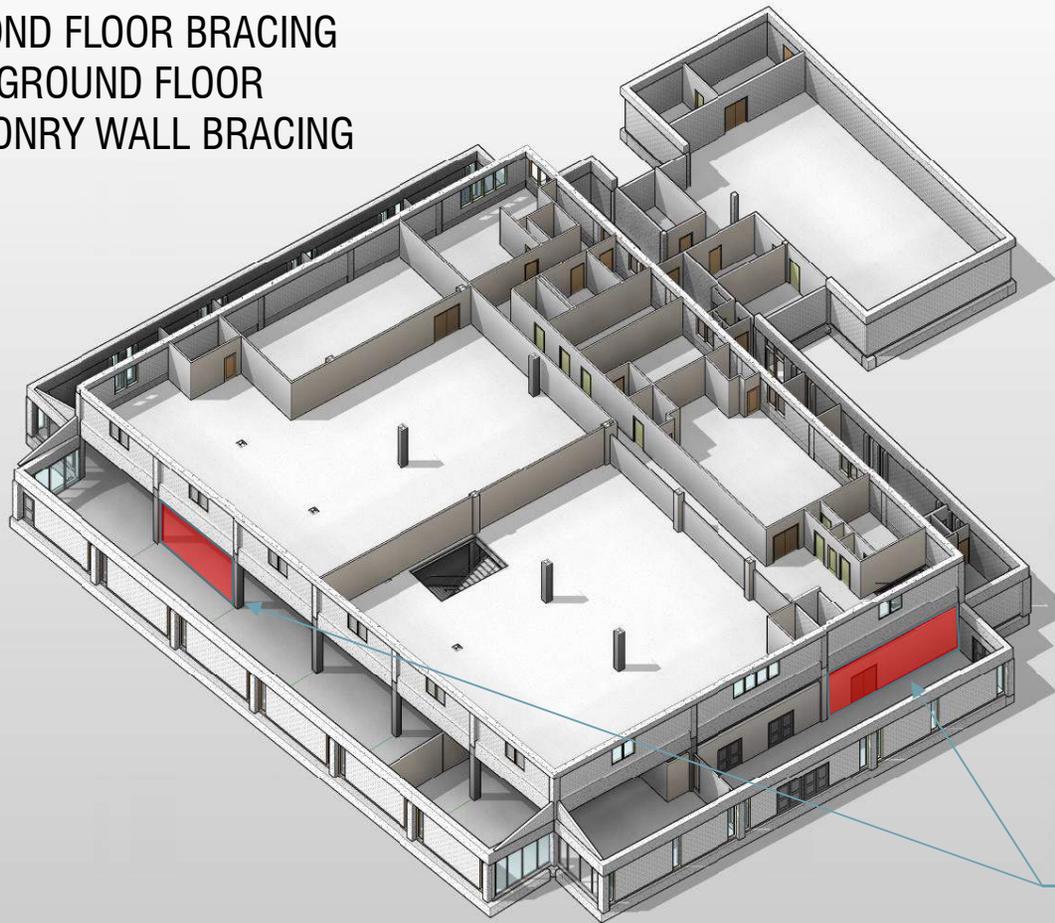


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- DISCONTINUITY BETWEEN SECOND FLOOR BRACING AND GROUND FLOOR MASONRY WALL BRACING

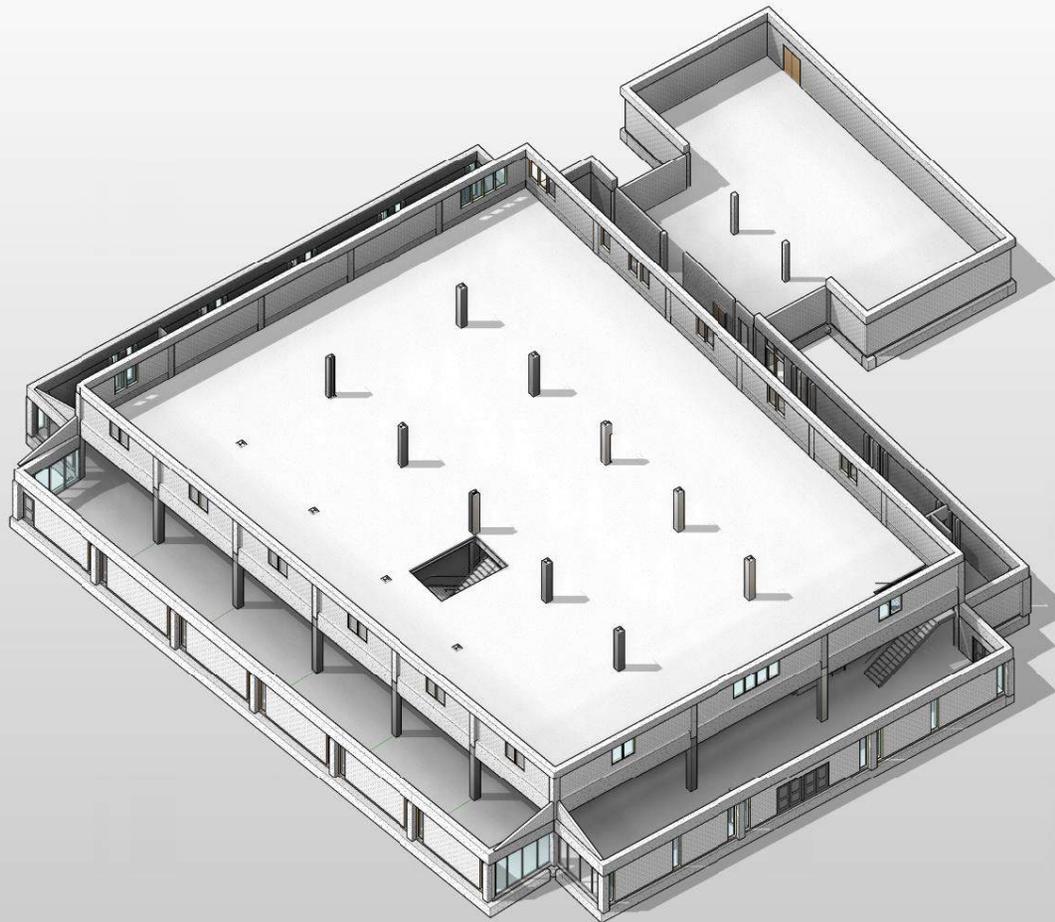


ONE OR TWO BAYS IN EACH DIRECTION MAY NEED SHEAR SUPPORT

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PERTINENT LIMITS TO
RENOVATION PER CBC
CHAPTER 34A STRUCTURAL
CODE BEFORE AN UPGRADE TO
CURRENT CODE IS REQUIRED:

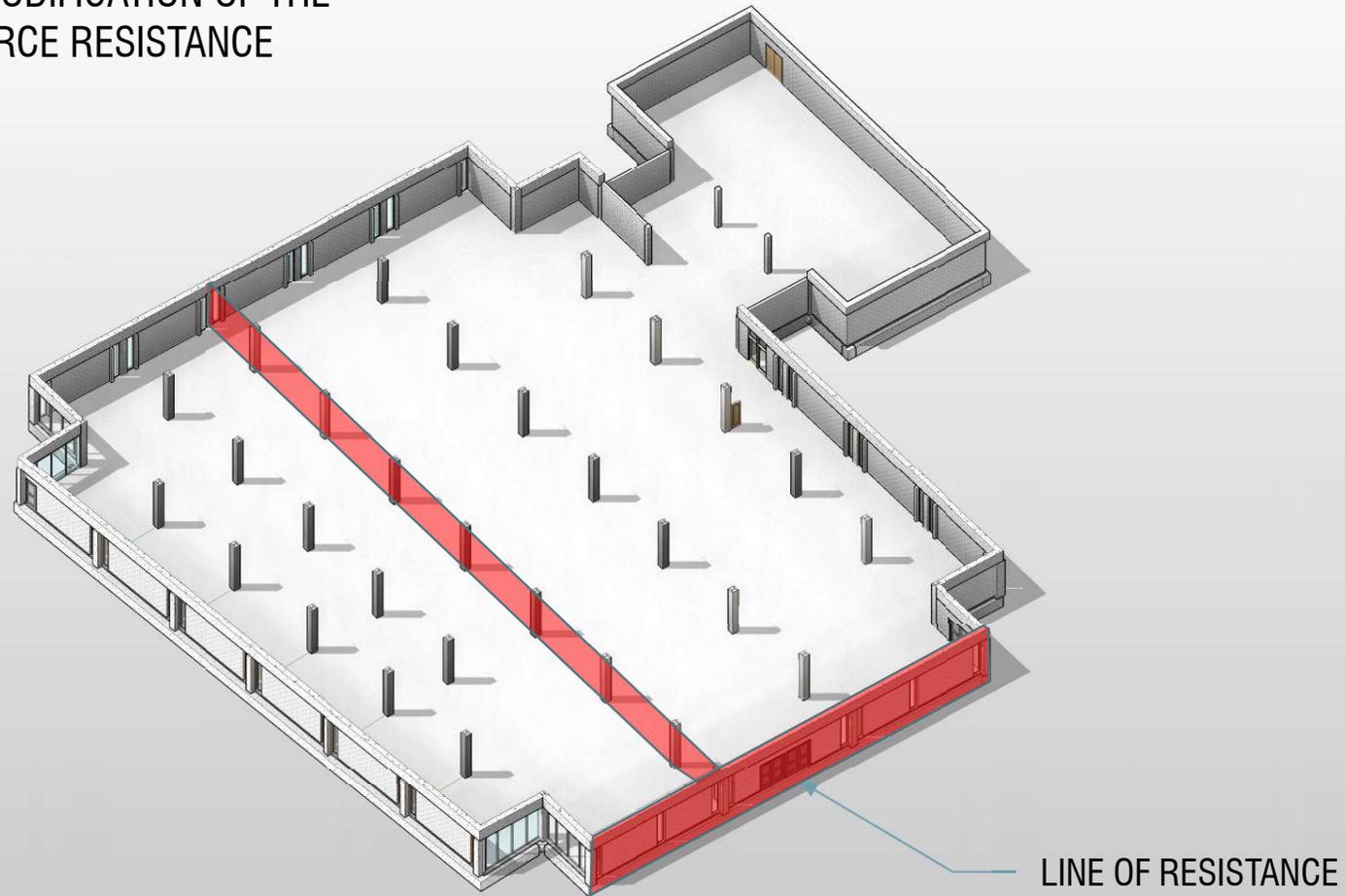
- AN INCREASE OF $> 10\%$
MASS
- REMOVING $> 10\%$ LATERAL
FORCE RESISTANCE
- REMOVING $> 30\%$ OF LINE
OF RESISTANCE EVEN IF
WALL CAN MEET CODE
- AN INCREASE OF $> 10\%$
VERTICAL LOAD ON A
MEMBER

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LIMITS TO MODIFICATION OF THE LATERAL FORCE RESISTANCE

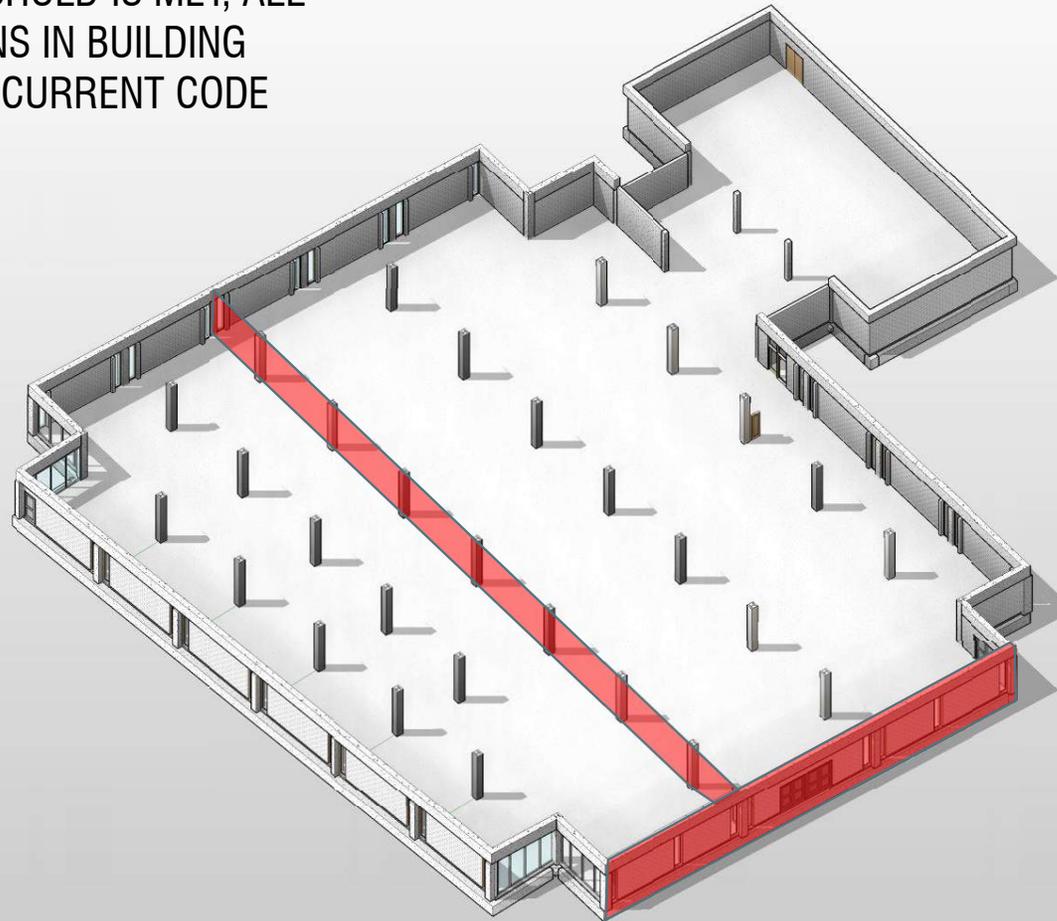


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ONCE THRESHOLD IS MET, ALL
CONNECTIONS IN BUILDING
MUST MEET CURRENT CODE

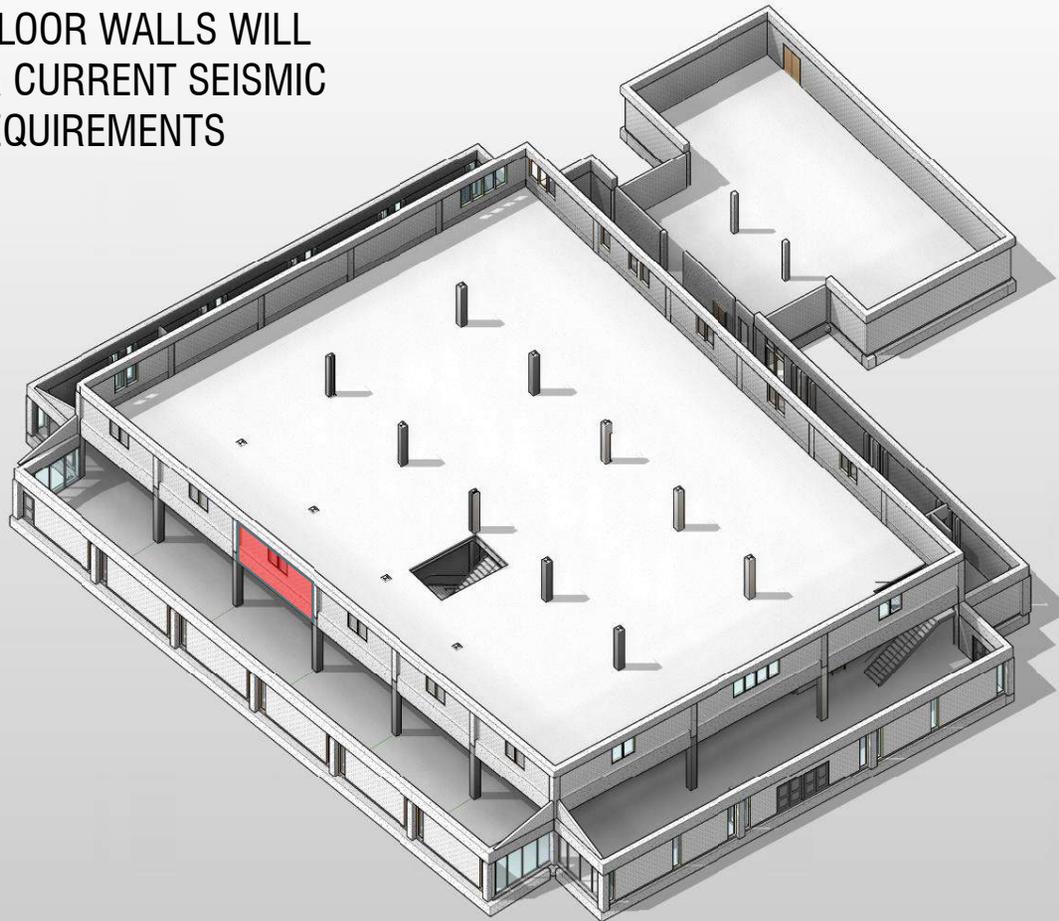


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INCREASING OPENING IN
UPPER FLOOR WALLS WILL
TRIGGER CURRENT SEISMIC
CODE REQUIREMENTS

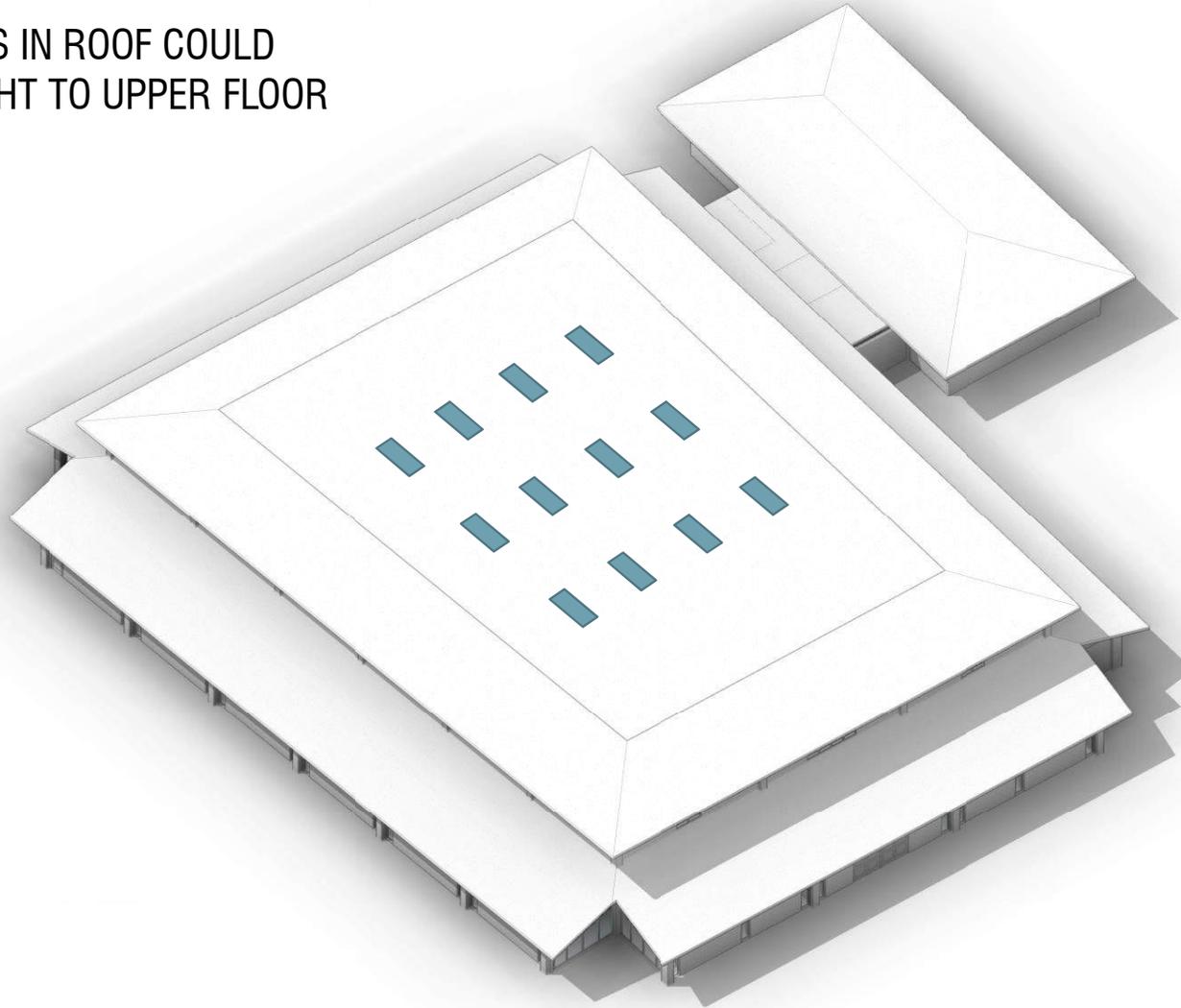


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SKYLIGHTS IN ROOF COULD
BRING LIGHT TO UPPER FLOOR

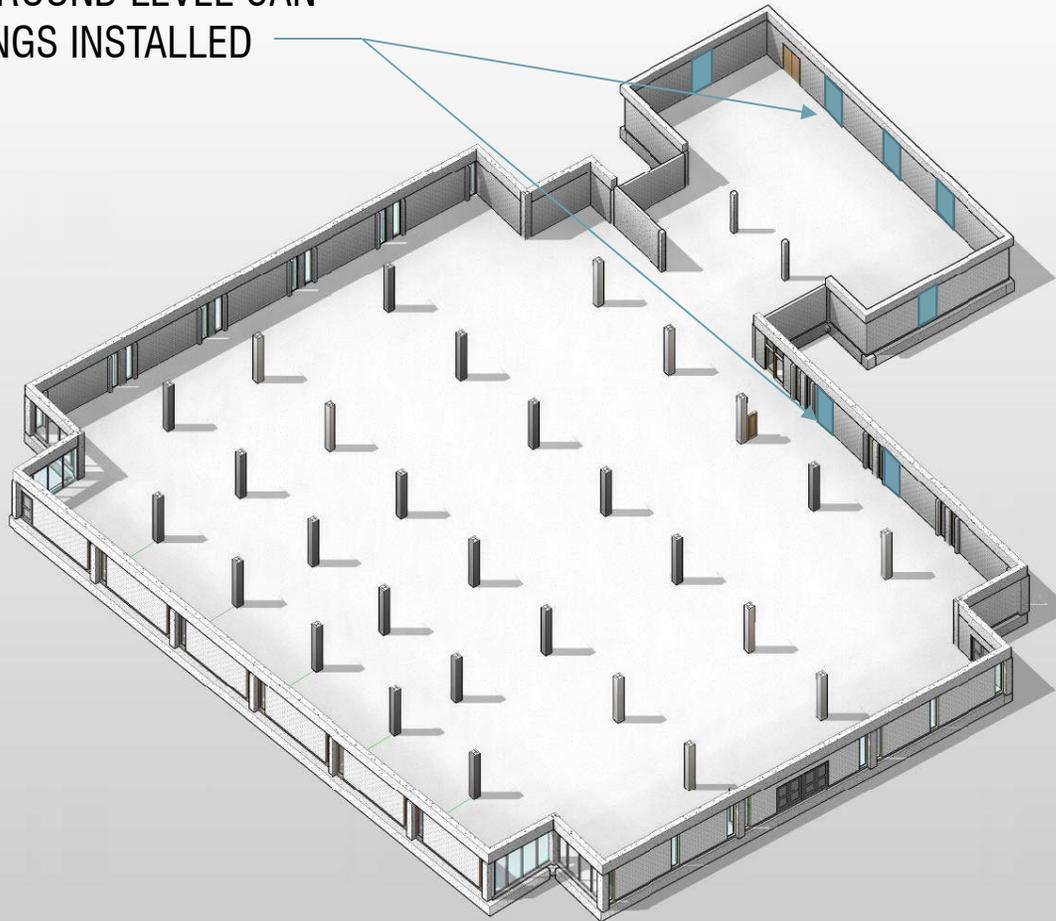


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EAST SIDE GROUND LEVEL CAN
HAVE OPENINGS INSTALLED

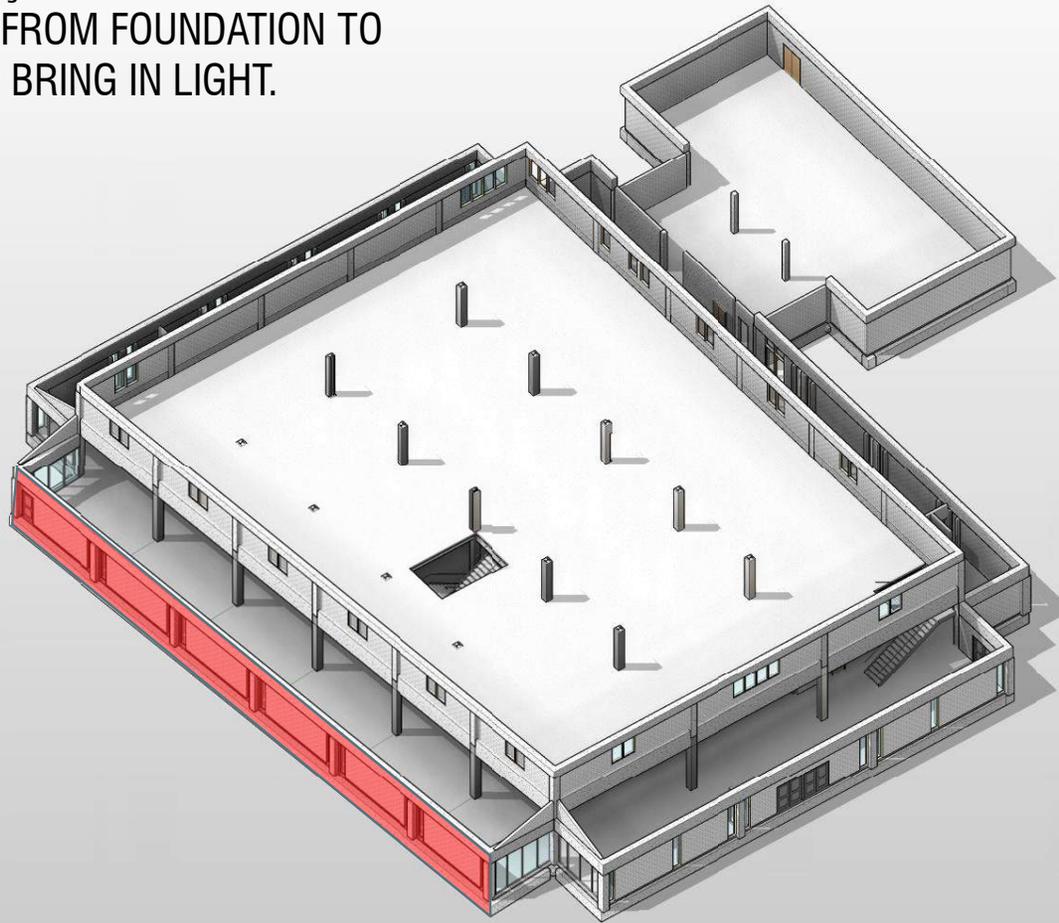


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WEST FAÇADE COULD BE
REBUILT FROM FOUNDATION TO
ROOF TO BRING IN LIGHT.



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WEST FAÇADE COULD BE
REBUILT FROM FOUNDATION TO
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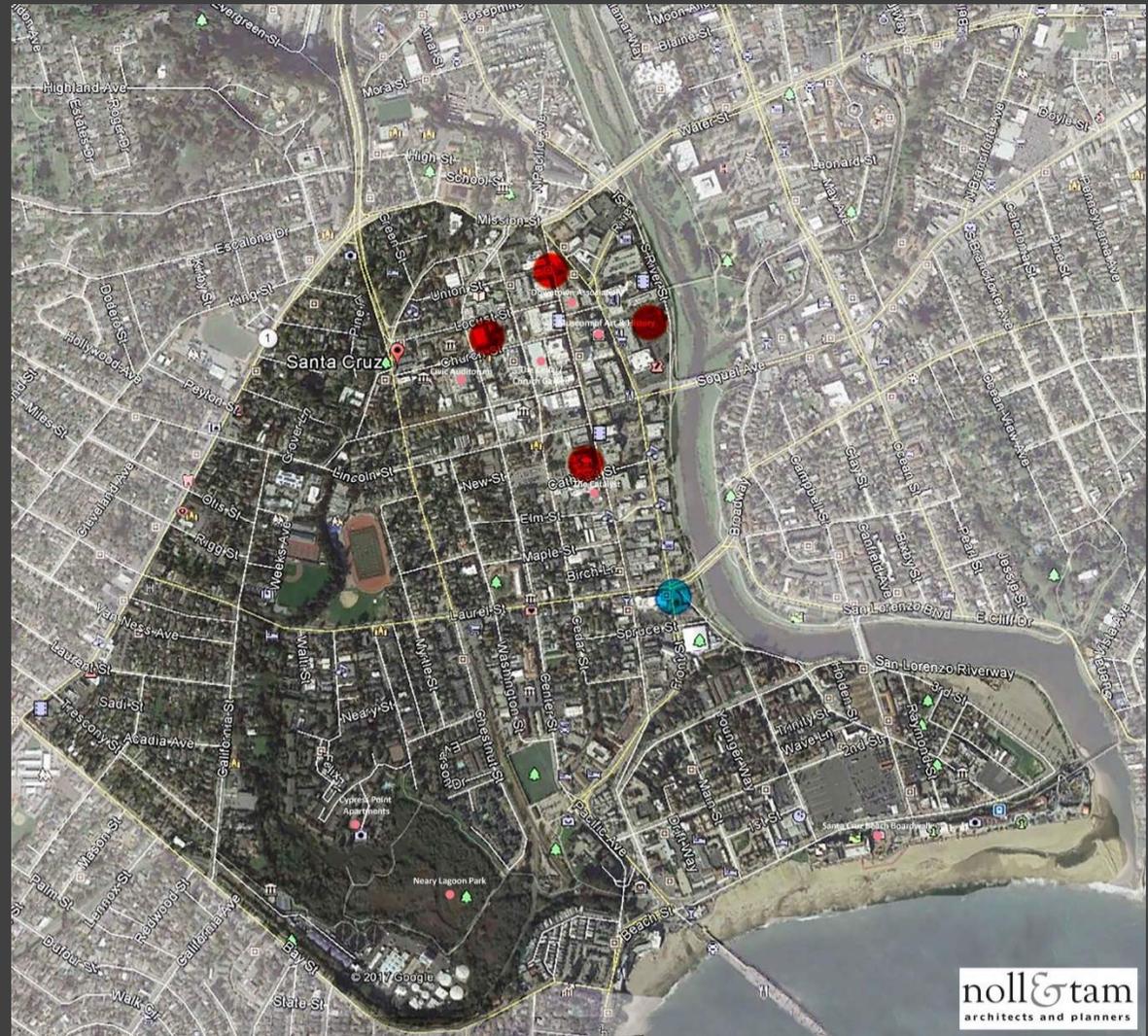
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D. SITE CRITERIA DRAFT

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- ACCESSIBLE
 - PUBLIC TRANSIT
 - WALKABLE
 - BIKE FRIENDLY
 - PARKING
- LOCATION
 - VISIBLE
 - VISTAS
 - DENSITY
- CONNECTIVITY
 - CIVIC
 - CULTURAL
 - COMMERCIAL



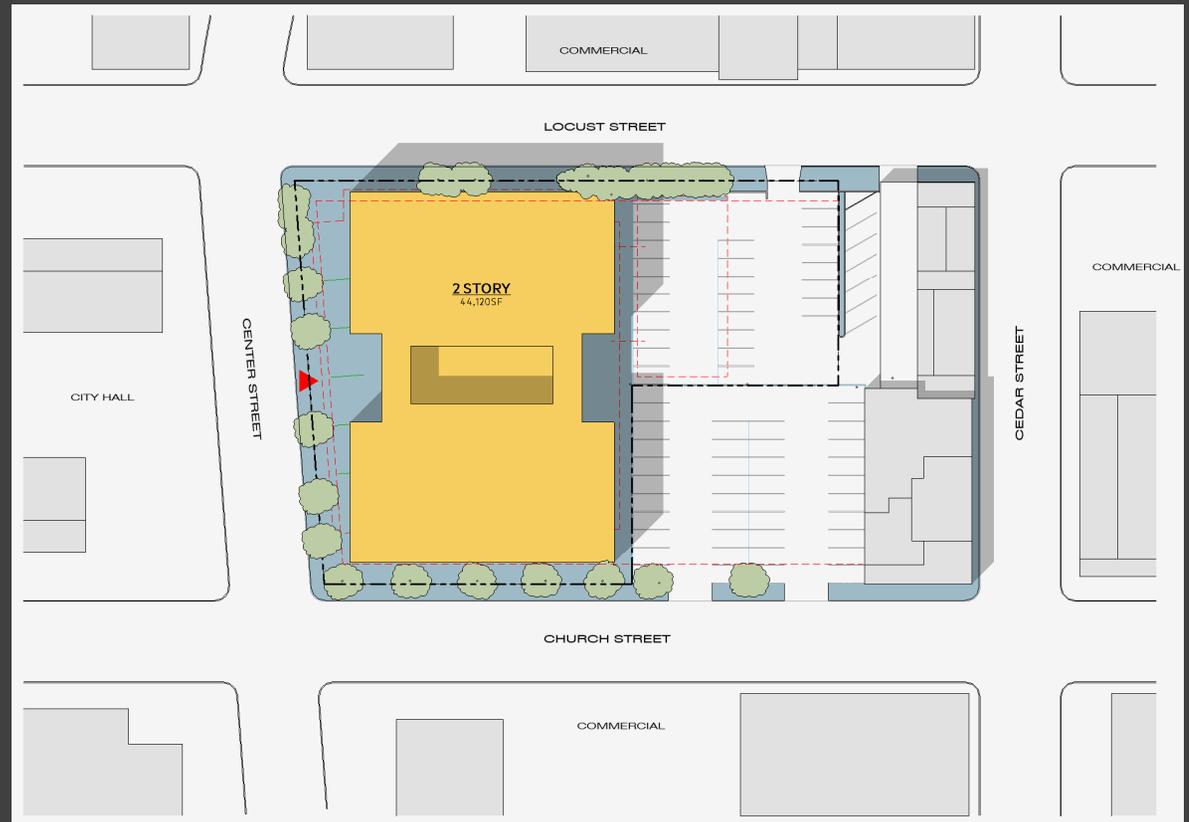
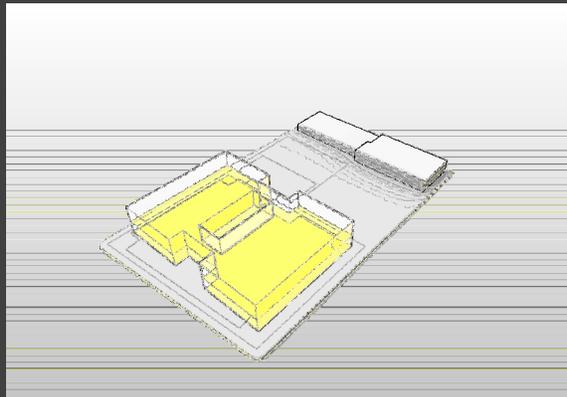
SITE CRITERIA DISCUSSION

E. REBUILD CONCEPTS

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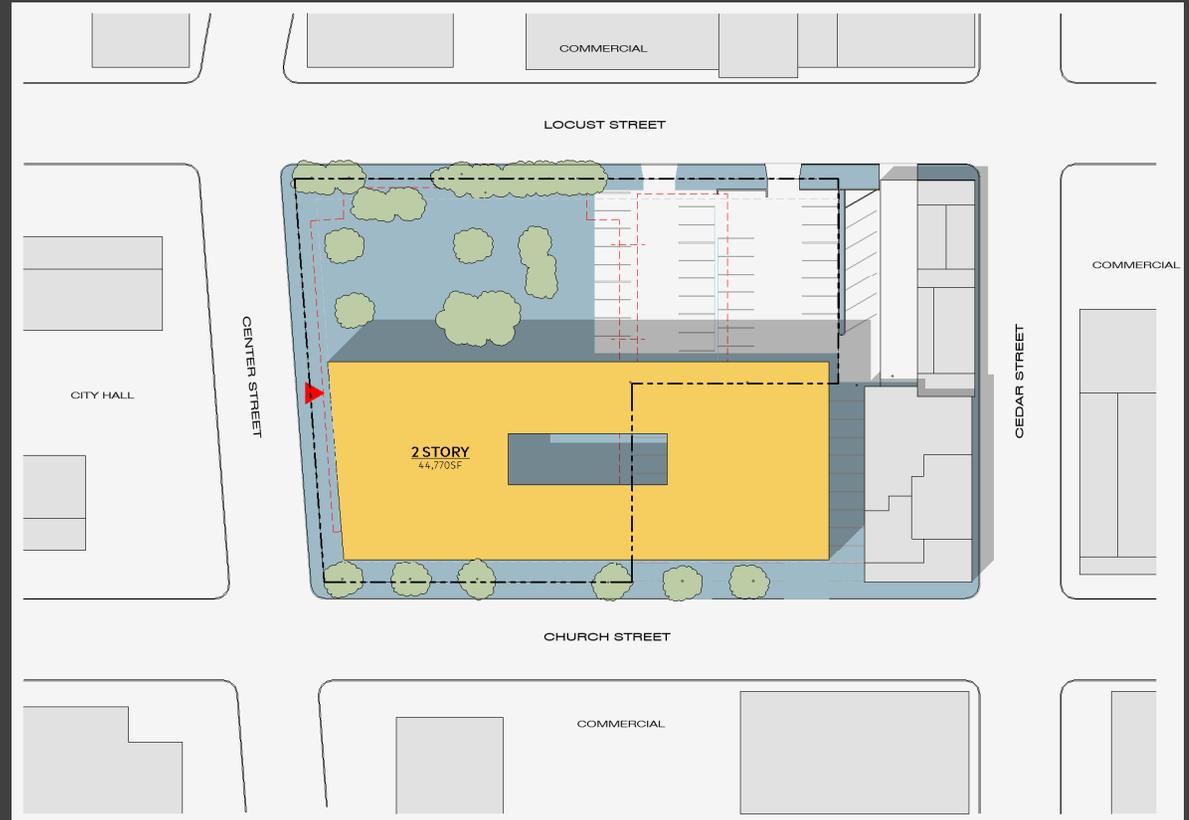
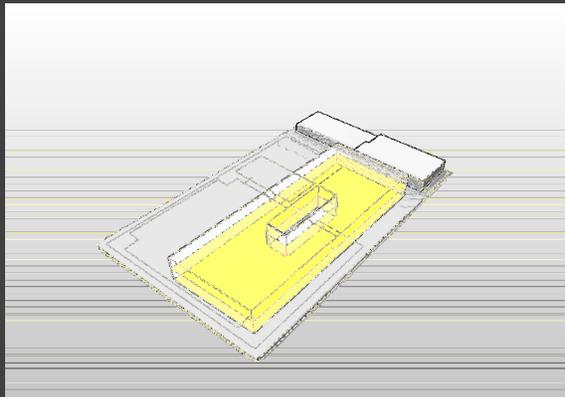
WEST ORIENTATION OPTION



REBUILD 1

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CHURCH STREET COURTYARD OPTION

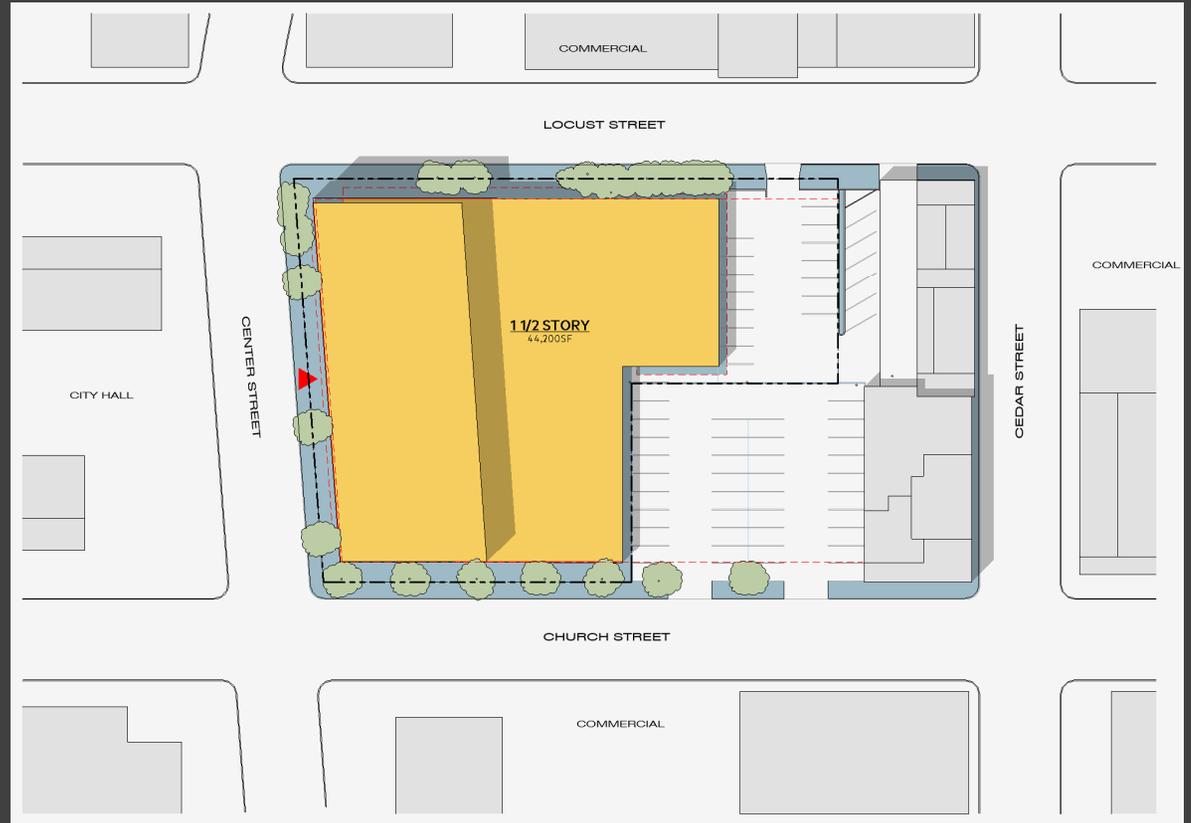
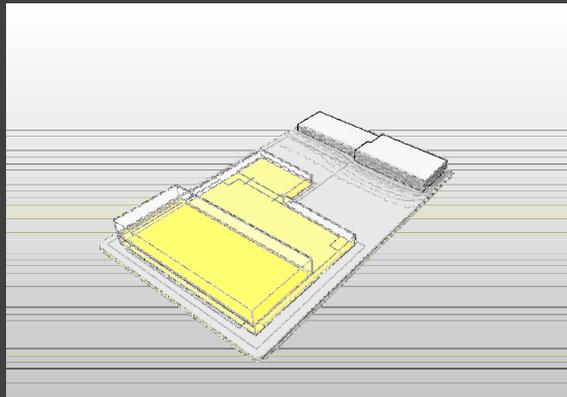


REBUILD 2

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1 1/2 STORY OPTION

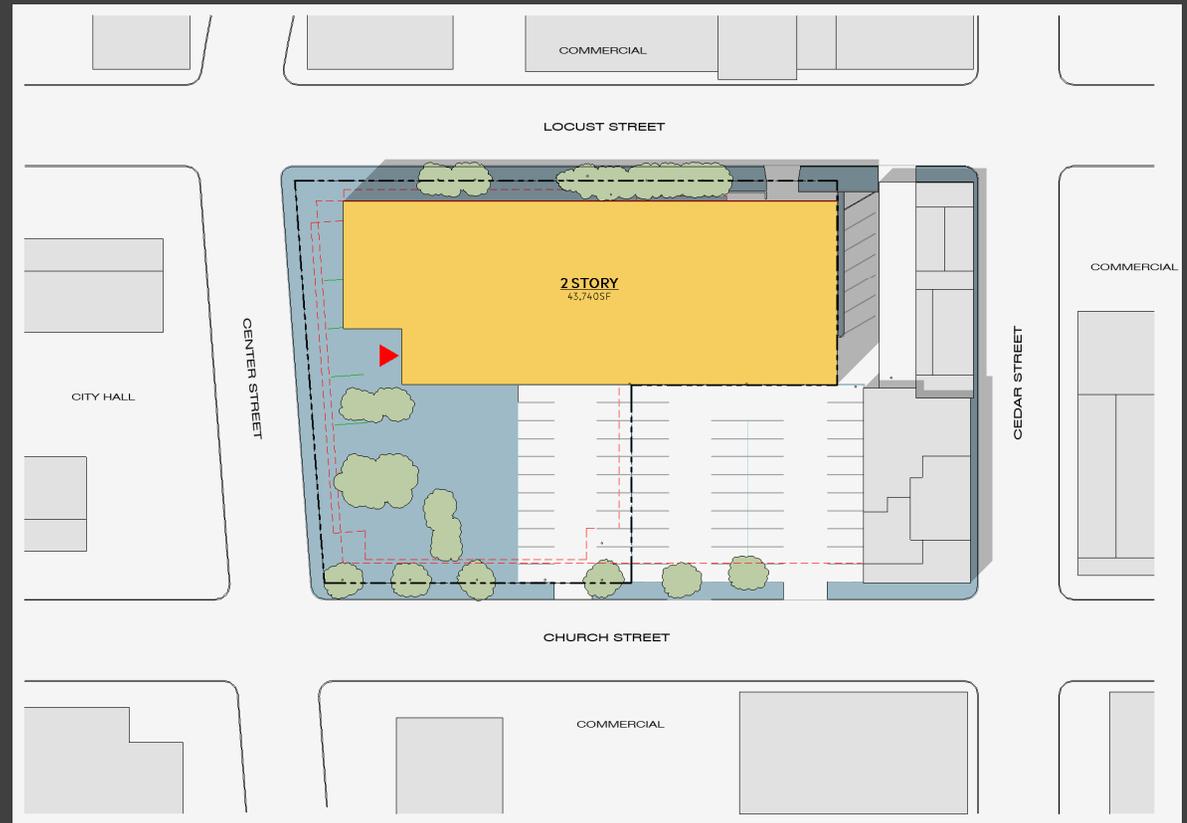
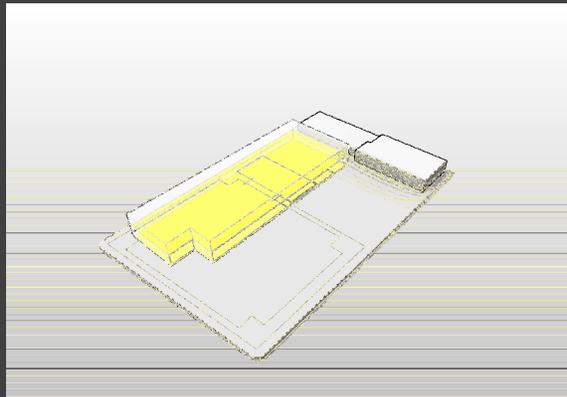


REBUILD 3

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NORTH BAR OPTION

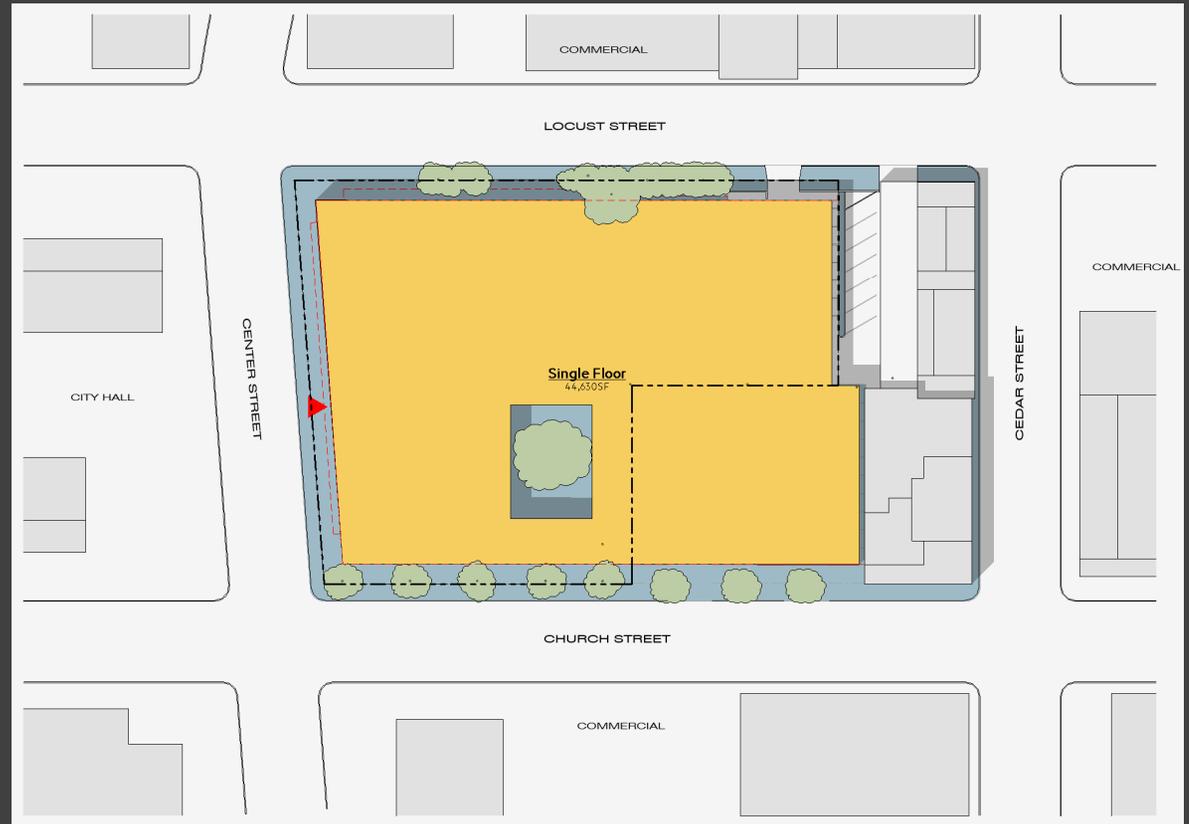
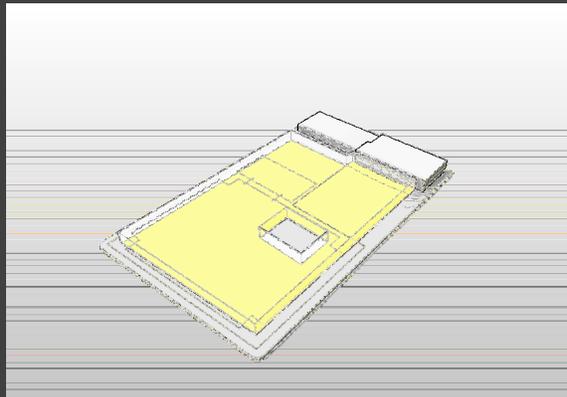


REBUILD 4

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SINGLE STORY OPTION



REBUILD 5

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