

# STICKLEY AUDITORIUM RENOVATION

## Community and Stakeholder Presentation

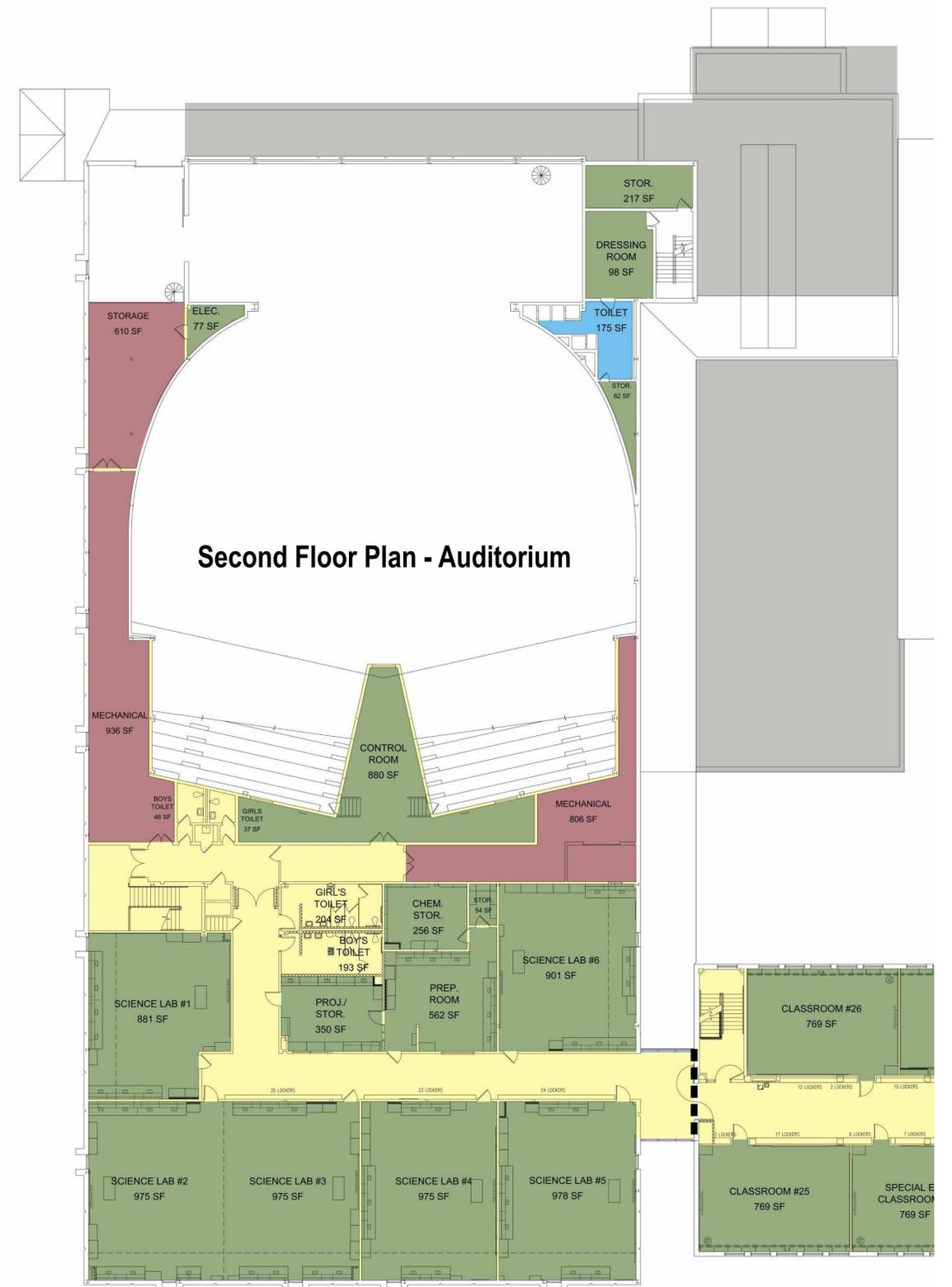
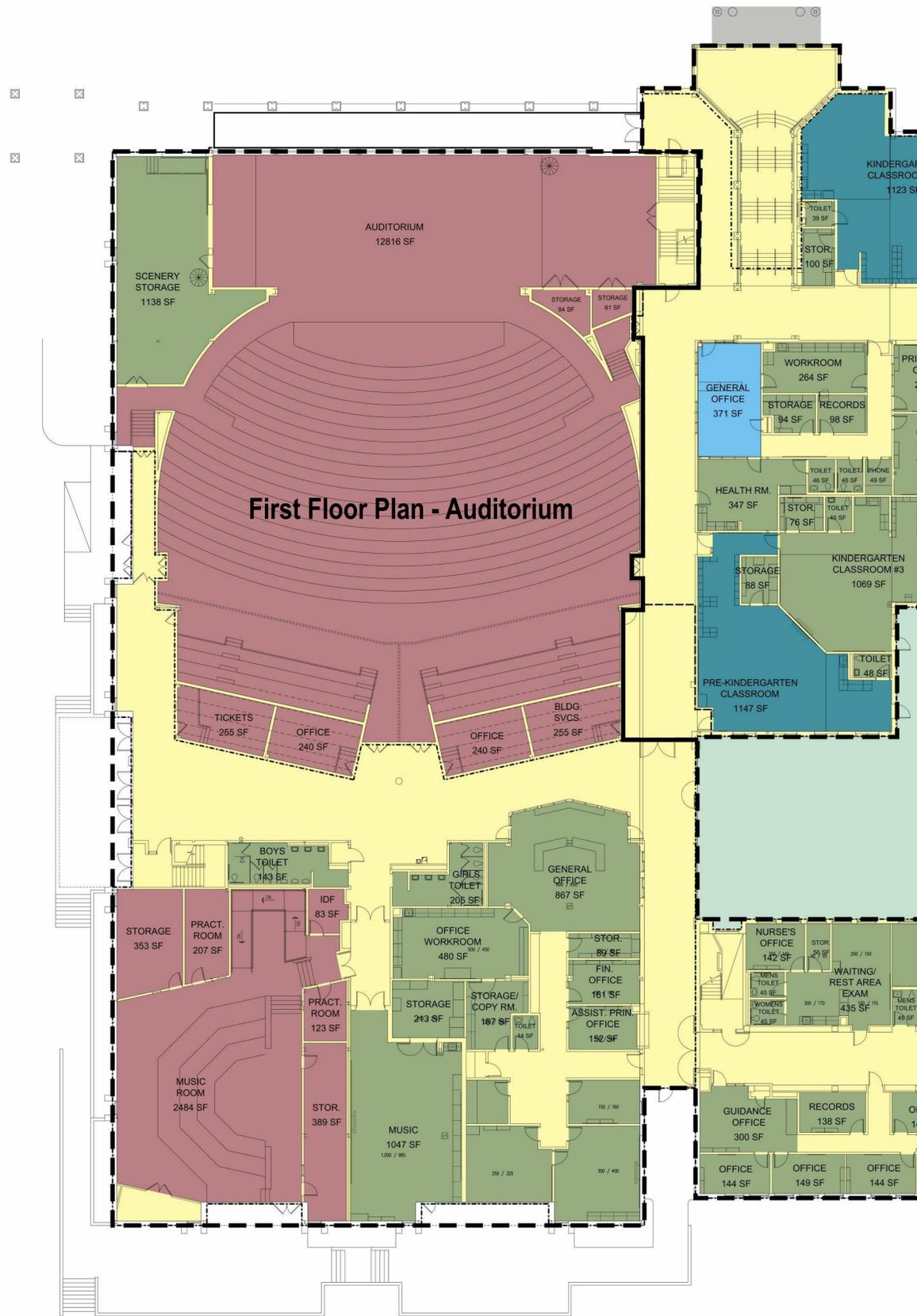
APRIL 30, 2014

### SCHEMATIC DESIGN PROGRESS

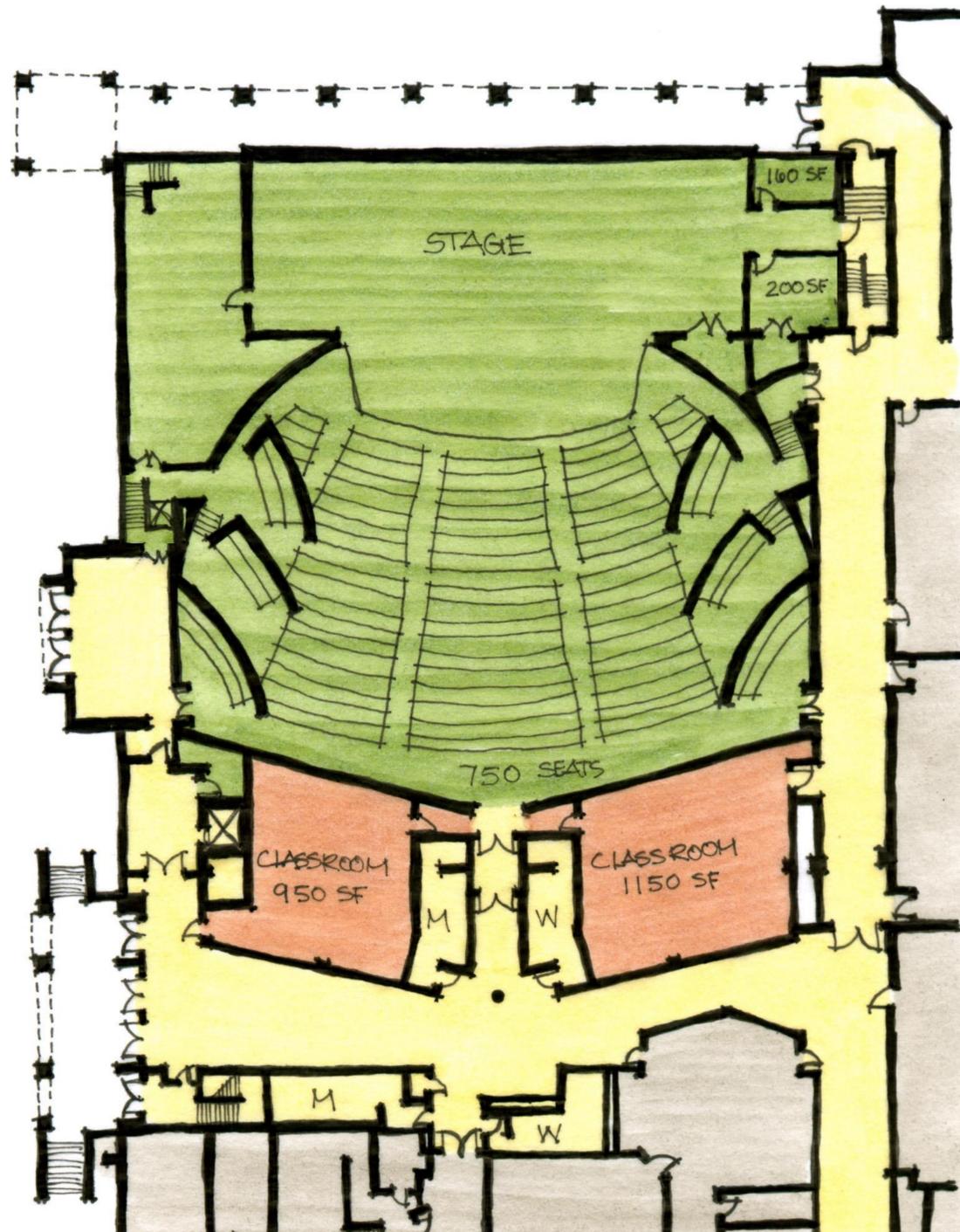
- Code Study Analysis: key issues and resolutions
- Seating Analysis of sightlines, seating and capacity
- Interior Design: for acoustics, aesthetics, serviceability and comfort
- Auditorium and Middle School Entrances
- Project Design Schedule



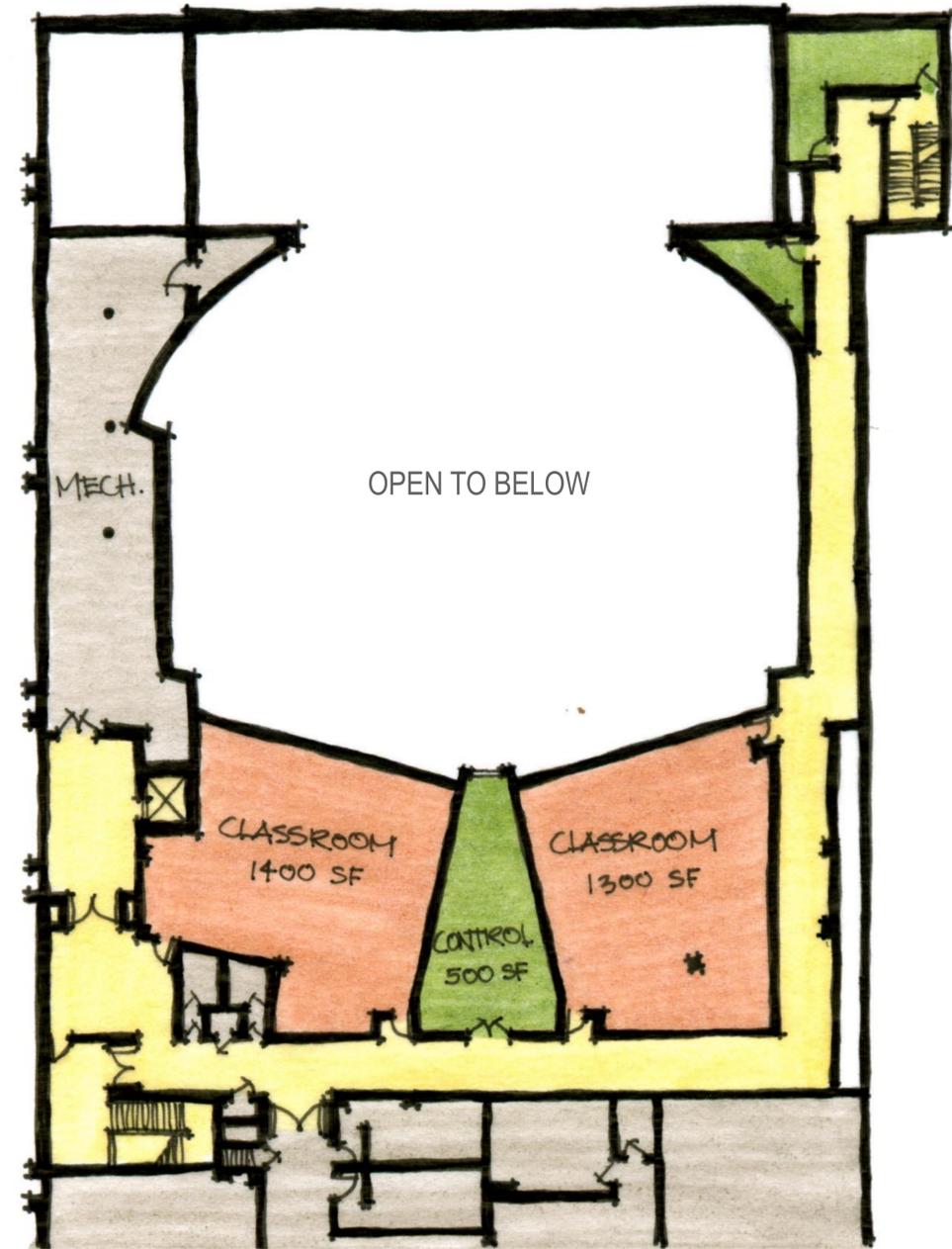
# EXISTING AUDITORIUM FLOOR PLANS



# AUDITORIUM RENOVATION: 2009 FEASIBILITY STUDY - SCHEME 3

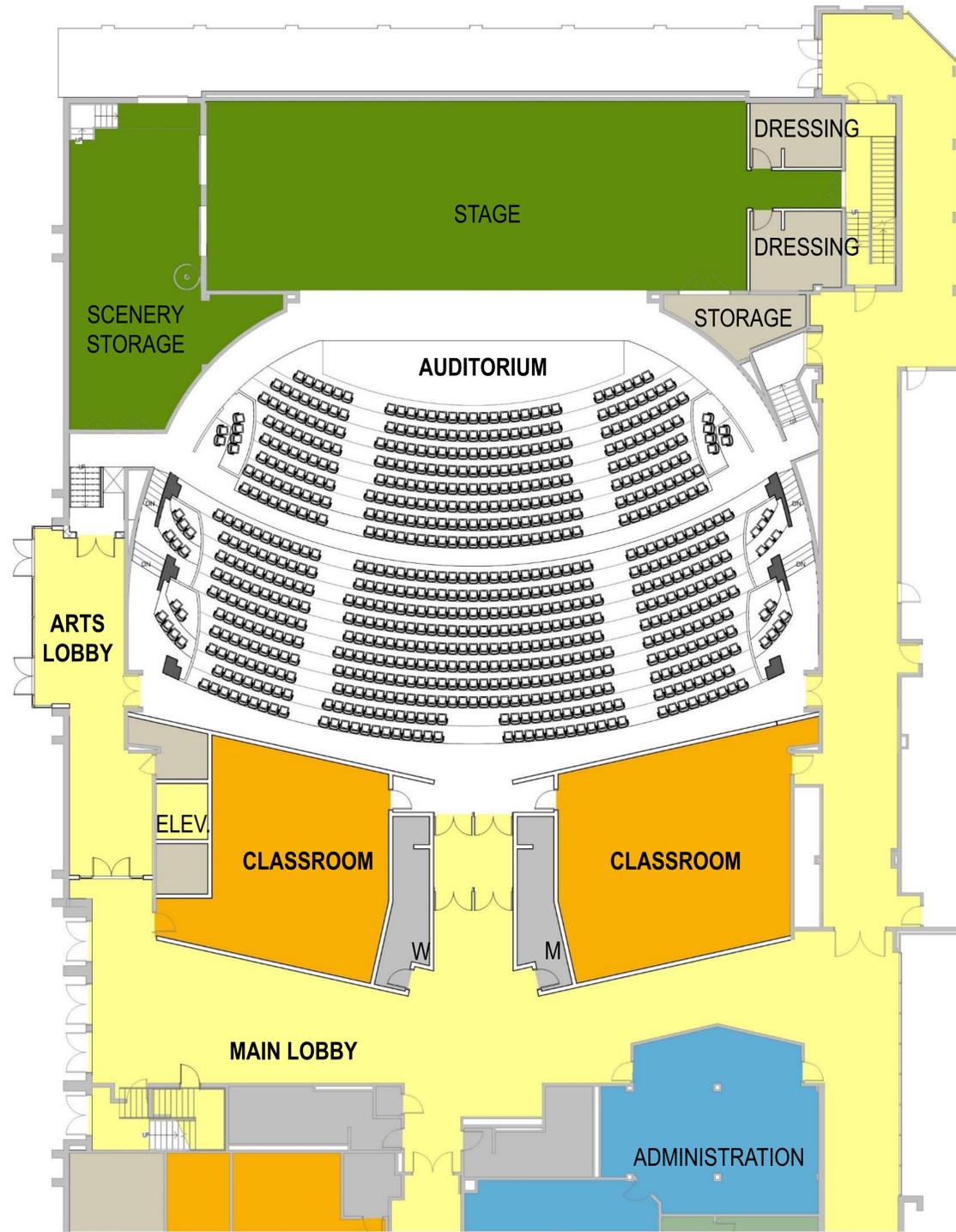


FIRST FLOOR PLAN

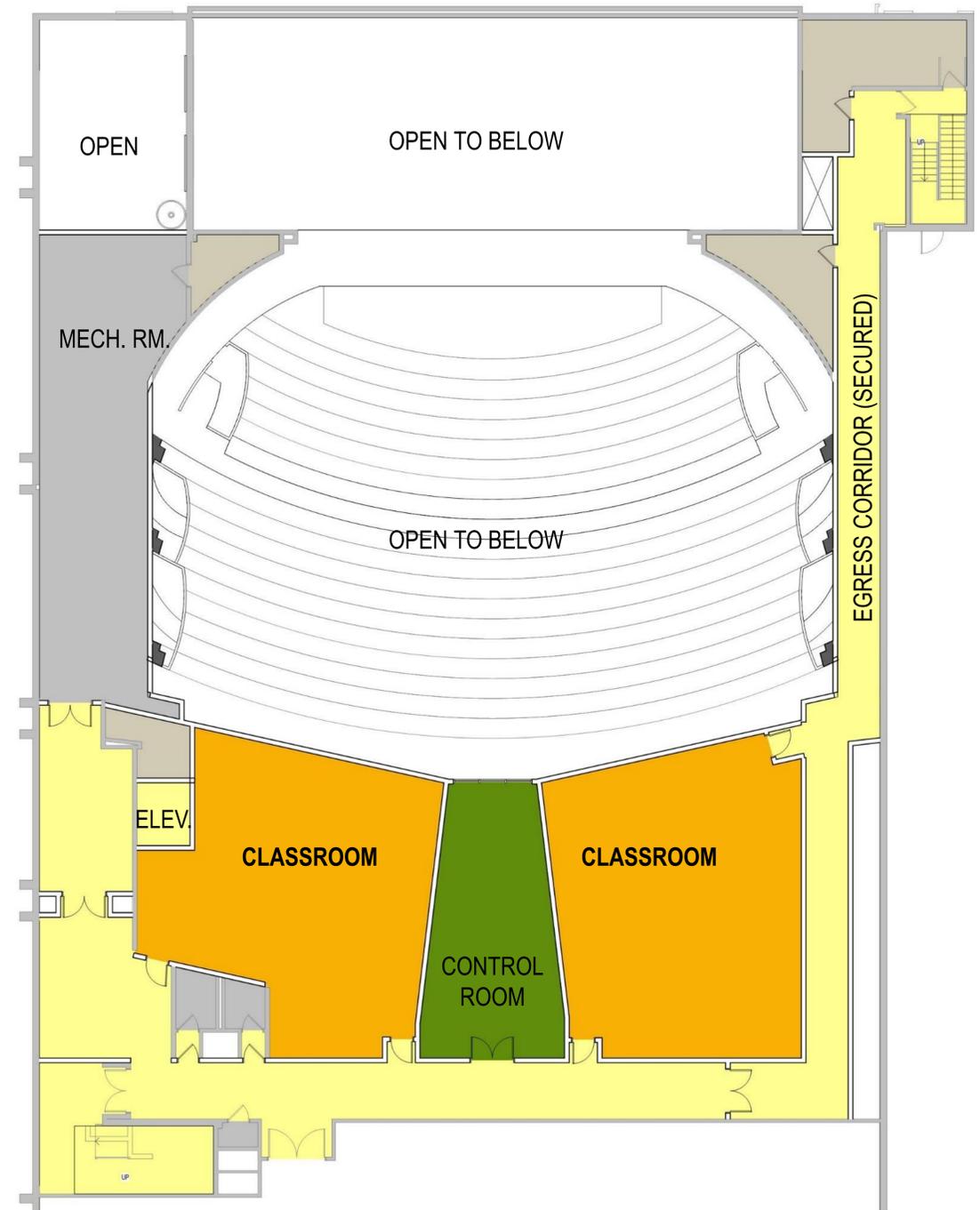


SECOND FLOOR PLAN

# AUDITORIUM RENOVATION FLOOR PLANS



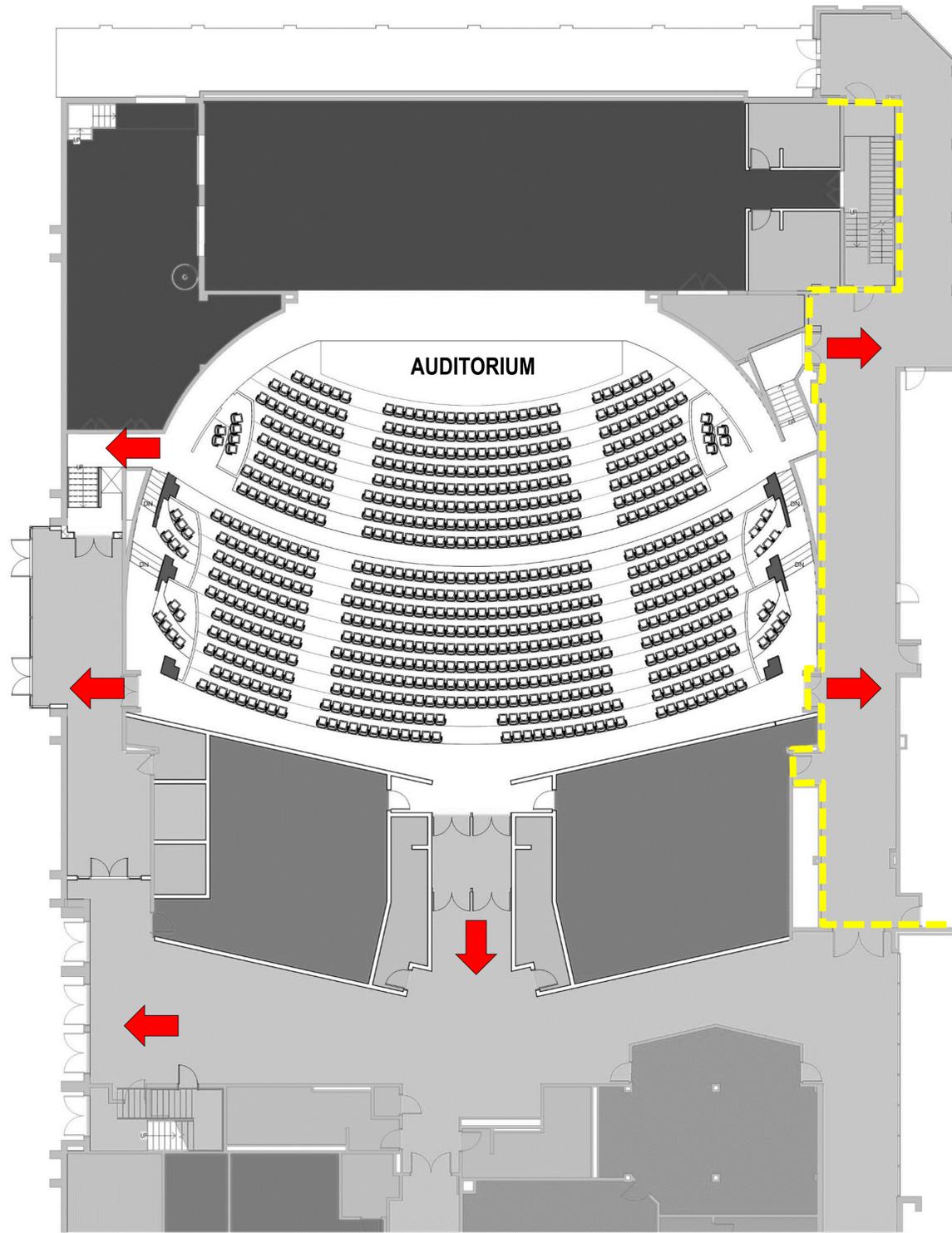
**FIRST FLOOR PLAN**



**SECOND FLOOR PLAN**

# AUDITORIUM RENOVATION

Code Study Analysis: key issues and resolutions  
Seating Analysis of sightlines, seating and capacity  
Interior Design: for acoustics, aesthetics, serviceability and comfort



FIRST FLOOR PLAN

## AUDITORIUM SPACE

Existing Fire Separation

Fire Suppression System

Occupant Loads and Egress Widths: 5 exits from house provide more than adequate (surpassing egress requirement) widths for occupants.

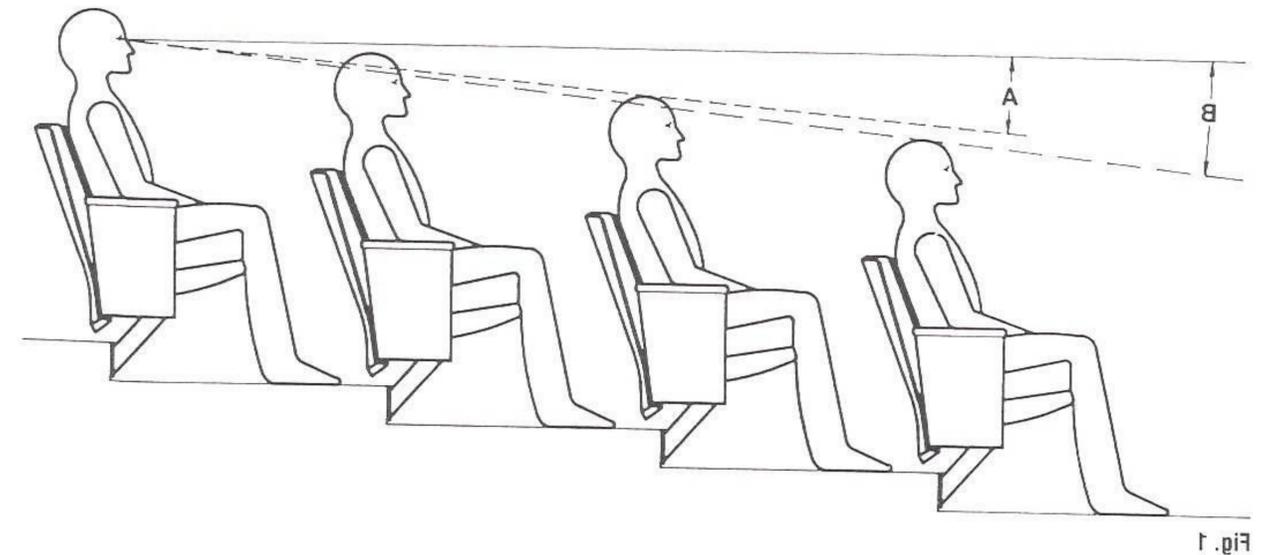
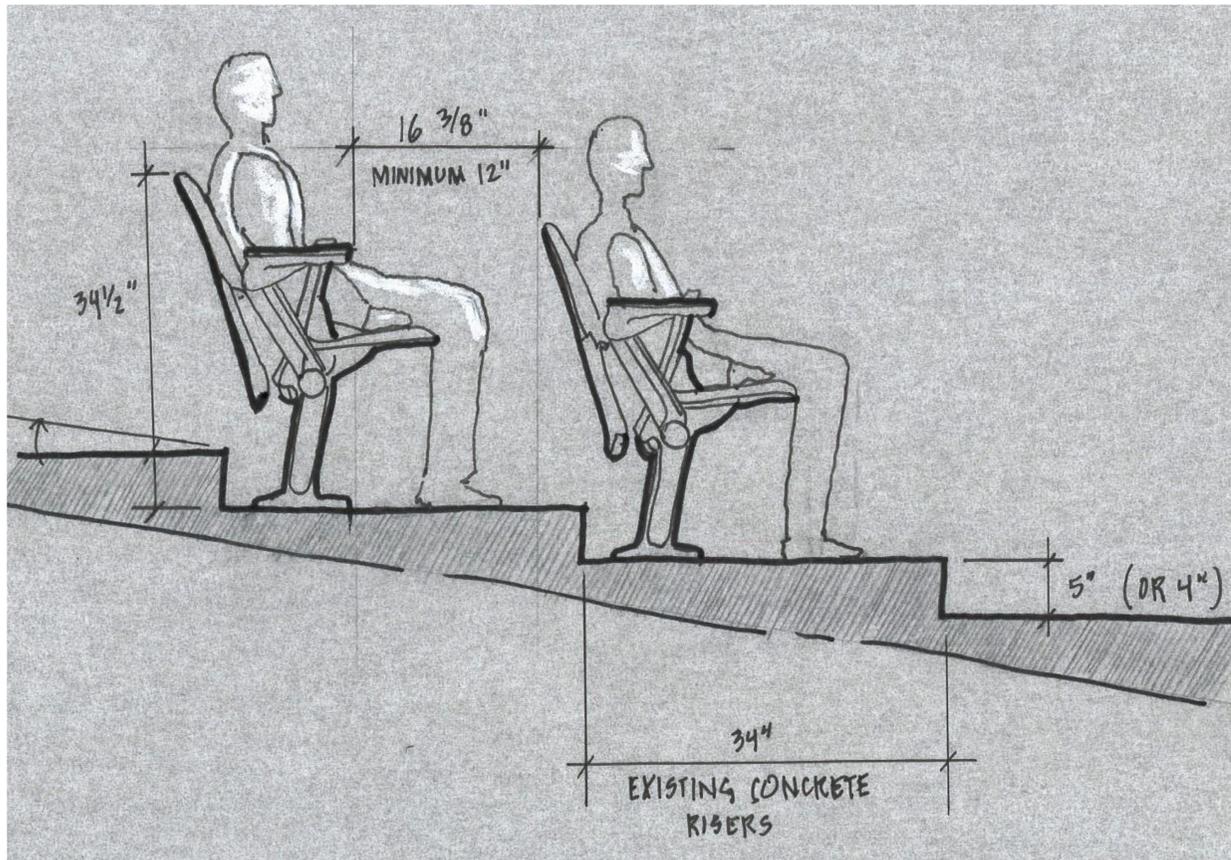
Aisle Widths: 5'-0" / Side aisles: 3'-0" minimum

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## AUDITORIUM SEATING

Ideal sightlines: Existing risers provide 8.4 degree slope, meeting 5" min. desirable eye clearance standards

Required 12" minimum clear space is exceeded by over 4" with recommended seating – allowing for longer rows and maximizing overall capacity



# AUDITORIUM RENOVATION



**PERFORMANCE SERIES**



**CLASSIC SERIES**

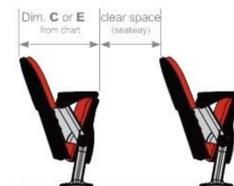
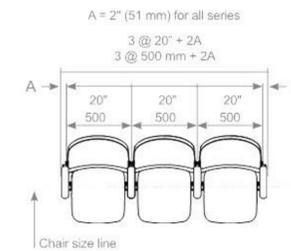
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### Seating Layout

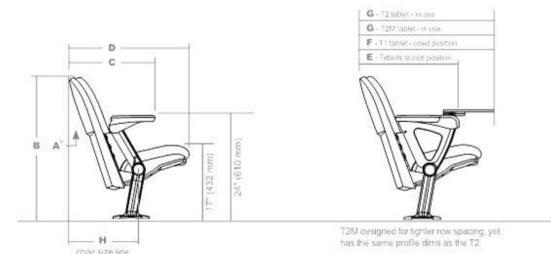
#### Row Spacing (all Quattro® series)

To help facilitate your design solution, calculate seating row lengths and row spacing by using the example below. Pick your chair series and width from the appropriate dimensional data, multiply by the number of chairs in the row and add A for each end.



### Dimensional Data

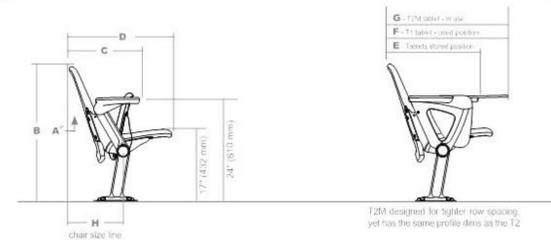
#### Quattro Collection: Designer, Soft Side and Classic Series



A*	B	C	D	E	F	G	H	
21"	33"	630 mm	19 7/8"	476 mm	27 7/8"	703 mm	22 3/4"	578 mm
19"	31 3/4"	807 mm	18 3/4"	476 mm	21 5/8"	549 mm	29 3/4"	756 mm
15"	34 1/2"	876 mm	17 5/8"	448 mm	25 5/8"	651 mm	28 1/2"	727 mm
12"	35"	915 mm	20"	504 mm	25 1/4"	607 mm	32"	813 mm
16"	36 3/4"	931 mm	19 3/4"	502 mm	27 3/4"	753 mm	22 5/8"	575 mm
15"	37 1/2"	951 mm	18 1/2"	470 mm	28 1/2"	673 mm	21 5/8"	543 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

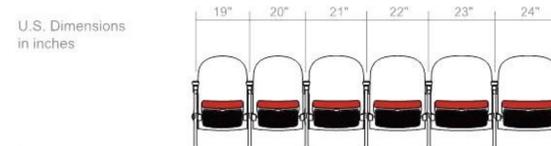
#### Quattro Collection: Performance Series



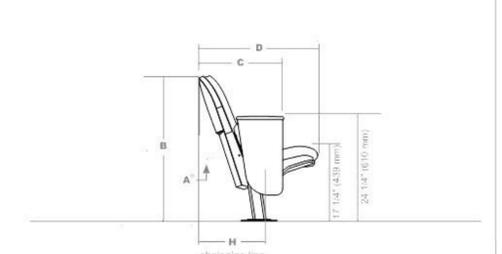
A*	B	C	D	E	F	G	H	
21"	31 1/2"	650 mm	16 1/2"	419 mm	23 7/8"	626 mm	19 3/8"	492 mm
19"	32"	811 mm	15 1/2"	384 mm	22 7/8"	581 mm	18 3/8"	467 mm
15"	34 1/2"	876 mm	17 5/8"	448 mm	28 5/8"	681 mm	17 1/4"	438 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

#### Seat Width Dimensional Data



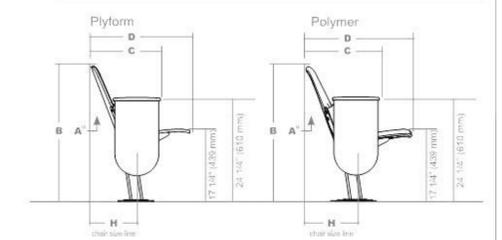
#### Quattro Traditional Collection: Designer, Soft Side and Classic Series



A*	B	C	D	E	F	G	H	
21"	33 1/2"	651 mm	19 3/8"	476 mm	27 1/8"	709 mm	22 3/8"	578 mm
19"	34"	684 mm	18 3/4"	476 mm	25 3/4"	600 mm	24 7/8"	575 mm
15"	34 1/2"	876 mm	17 5/8"	458 mm	25 5/8"	651 mm	23 3/4"	549 mm
12"	35"	889 mm	18 1/2"	423 mm	24 1/2"	623 mm	22 5/8"	579 mm
21"	36"	915 mm	20"	504 mm	25 1/4"	632 mm	27 1/8"	673 mm
16"	36 3/4"	931 mm	19 3/4"	502 mm	27 3/4"	734 mm	22 5/8"	575 mm
15"	37 1/2"	951 mm	18 1/2"	470 mm	28 1/2"	673 mm	21 5/8"	543 mm
12"	38"	965 mm	17 3/8"	441 mm	25 3/8"	645 mm	21 1/2"	500 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

#### Quattro Traditional Collection: Performance Series



A*	B	C	D	E	F	G	H	
21"	31 1/2"	650 mm	16 1/2"	419 mm	23 7/8"	626 mm	19 3/8"	492 mm
19"	32"	811 mm	15 1/2"	384 mm	22 7/8"	581 mm	18 3/8"	467 mm
15"	34 1/2"	876 mm	17 5/8"	448 mm	28 5/8"	681 mm	17 1/4"	438 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

A*	B	C	D	E	F	G	H	
21"	31 1/4"	704 mm	17 1/4"	438 mm	24 1/2"	622 mm	20"	490 mm
19"	31 3/4"	806 mm	16 5/8"	416 mm	23 3/8"	600 mm	19 5/8"	476 mm
15"	32 1/8"	876 mm	15 5/8"	391 mm	22 7/8"	581 mm	18 3/4"	463 mm
12"	32 1/2"	926 mm	13 5/8"	346 mm	20 1/2"	521 mm	16 3/4"	438 mm

Maximum rise 24" (610 mm) | Minimum rise 6" (152 mm)

Based on code requirements, a fixed seating dimension of 20" wide x 17 5/8" deep in the existing concrete risers accommodates three specification levels of quality, and provides rows up to 28 seats in length in center seating section of auditorium.

# AUDITORIUM RENOVATION

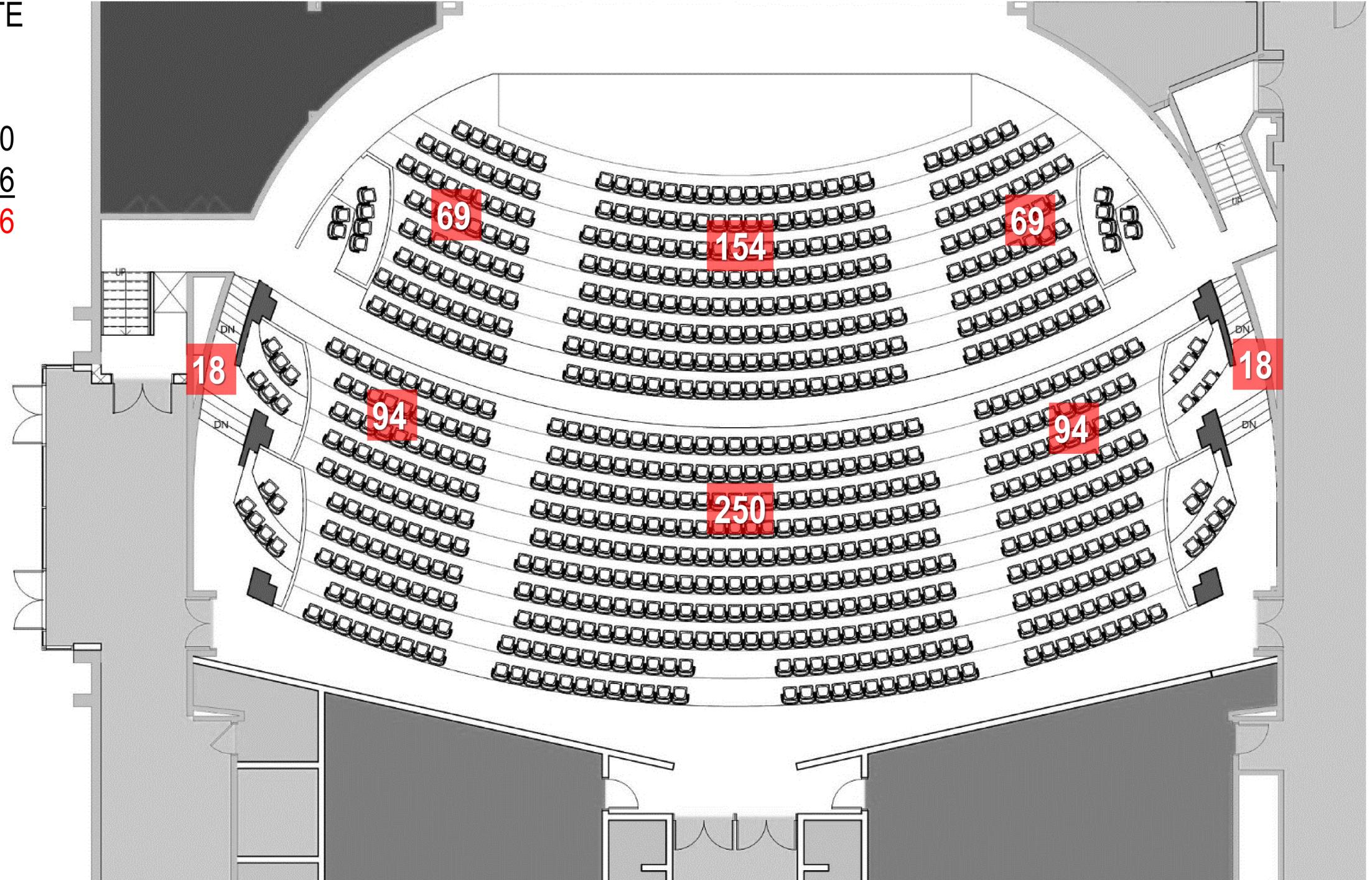
Code Study Analysis: key issues and resolutions

Seating Analysis of sightlines, seating and capacity

Interior Design: for acoustics, aesthetics, serviceability and comfort

## CAPACITY ESTIMATE

House:	730
Side Balconies:	36
<b>Total:</b>	<b>766</b>

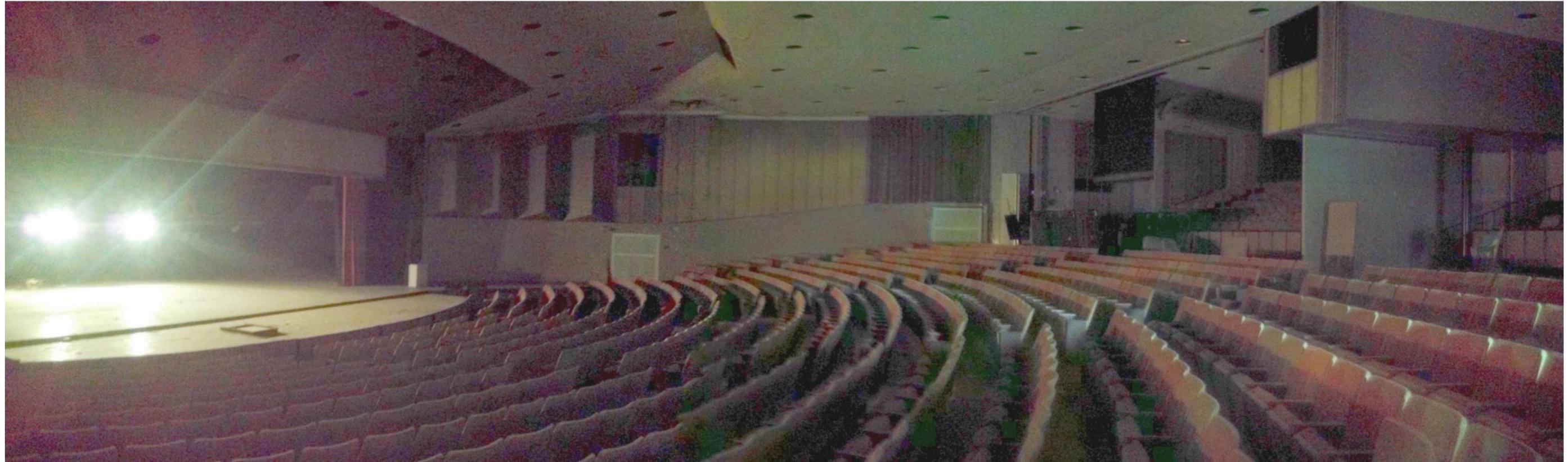


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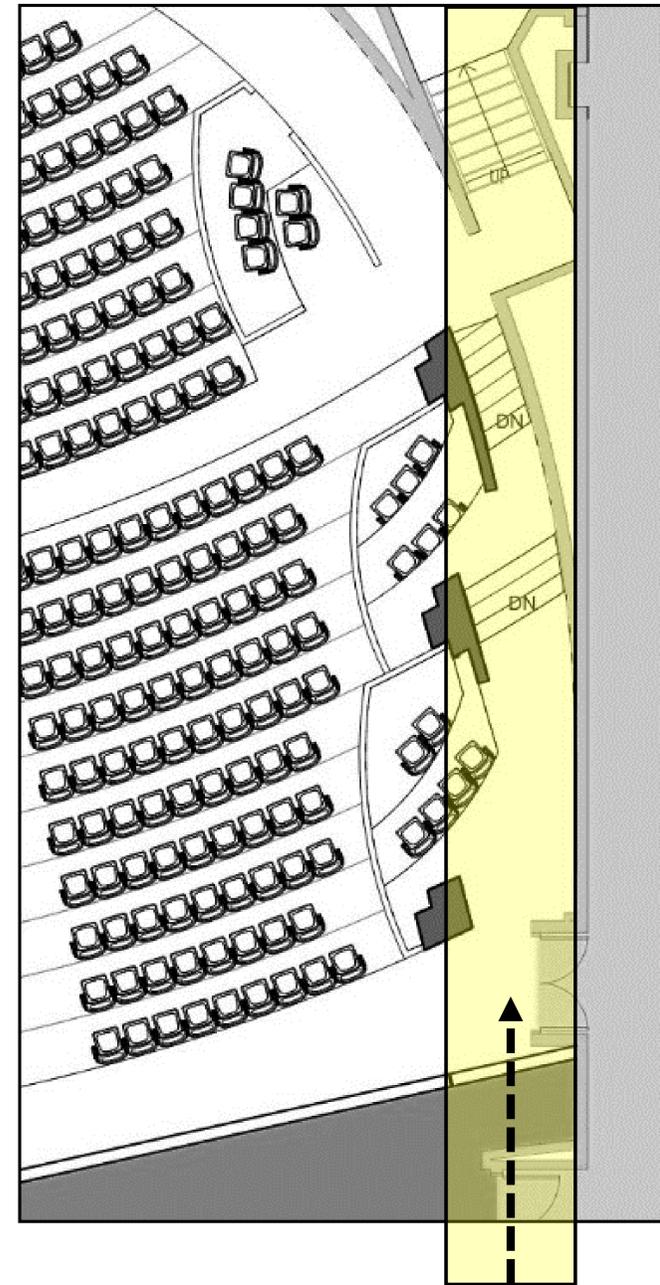
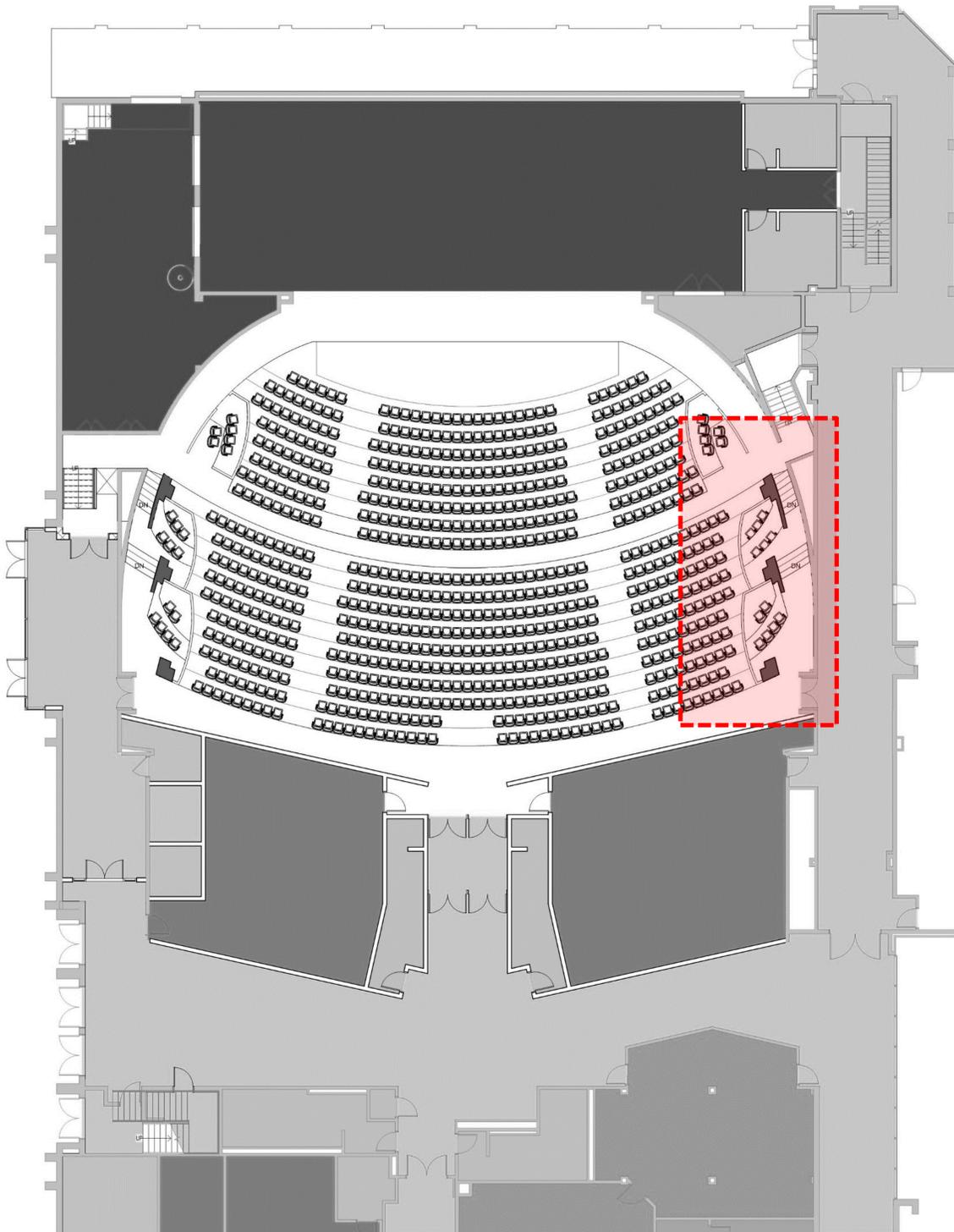


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SECOND FLOOR  
EGRESS CORRIDOR (NEW)

Creating tiered, “box seat” section along the insides of the existing risers provides a greater sense of intimacy in the theatre setting, but also acts as a structural element to support the *new egress corridor* above.

The existing auditorium is transformed into a 85’ wide theatre space to infill the 110’ clear space from wall to wall.

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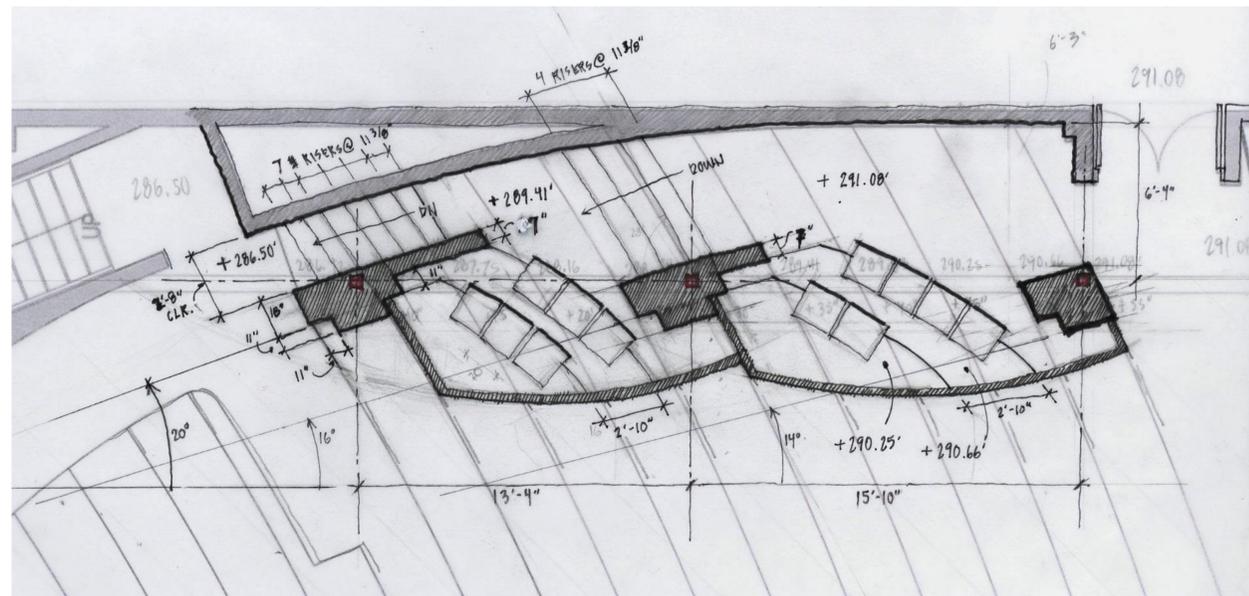
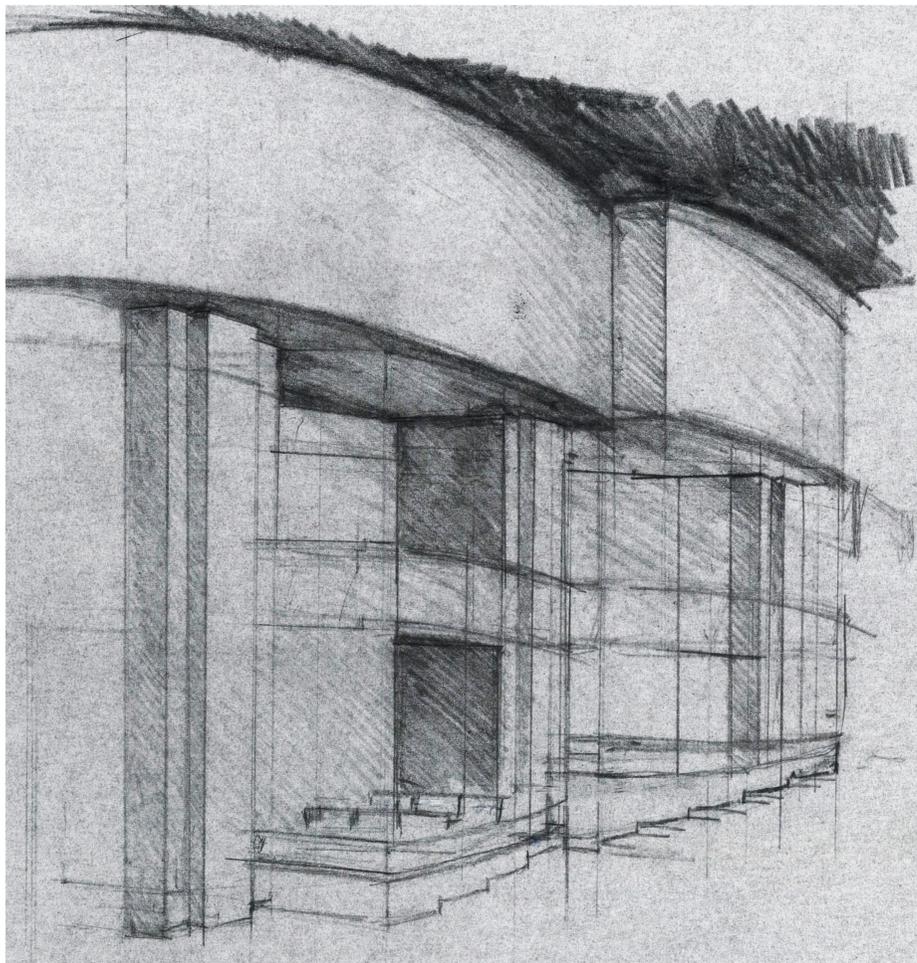
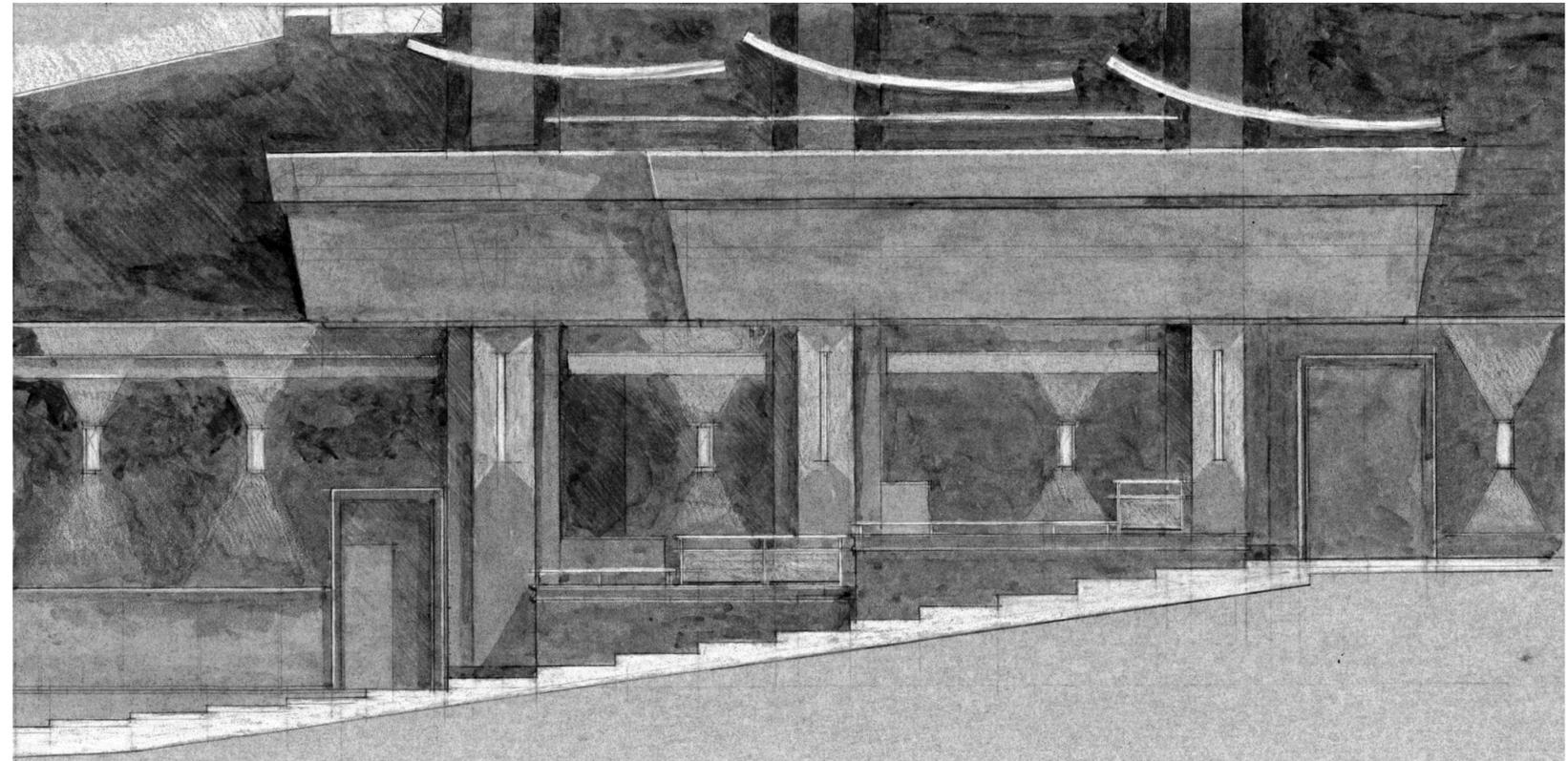
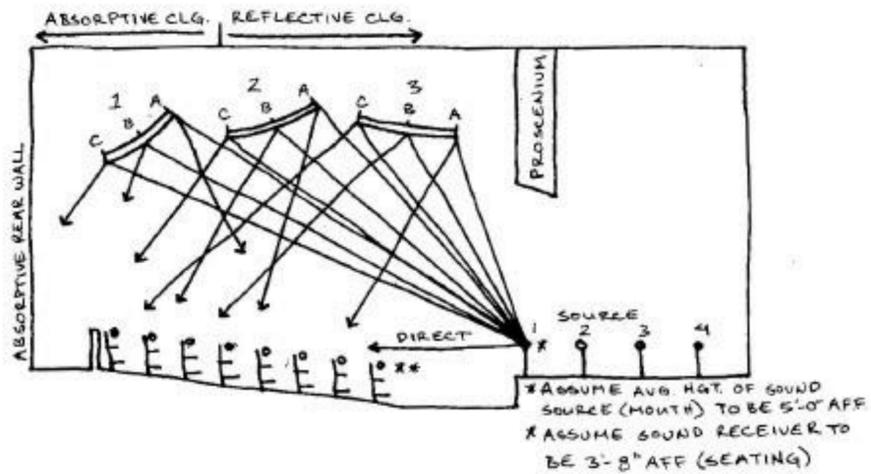
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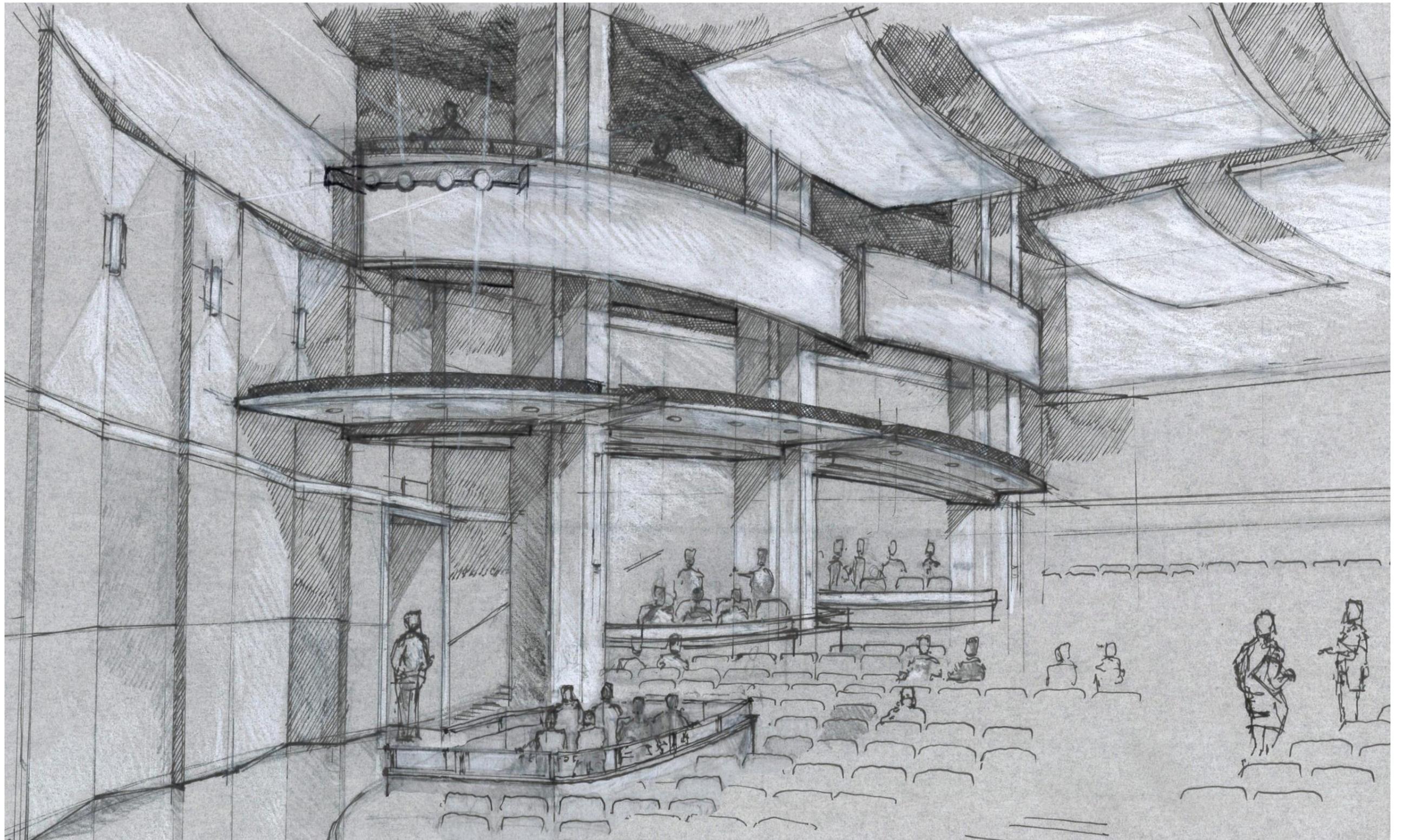


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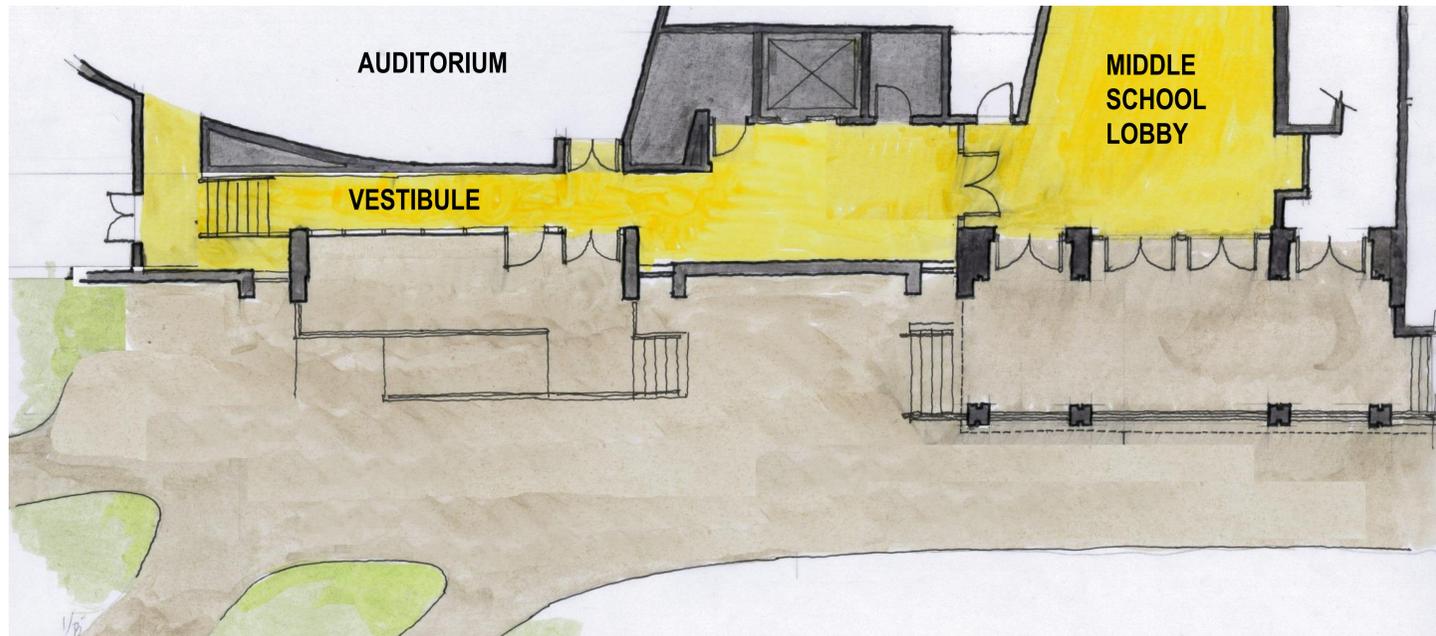
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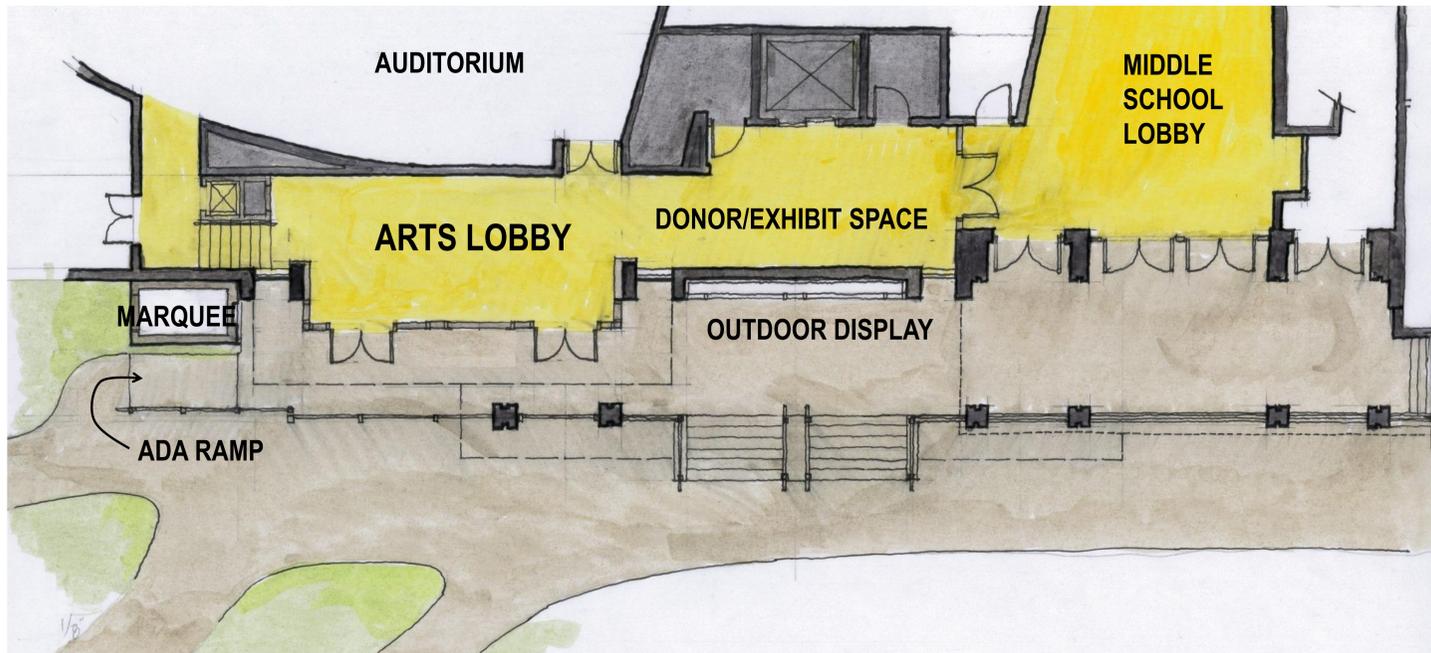
Existing Auditorium and Middle School Entrances

## EXISTING QUALITIES

- Narrow 5'-0" wide existing vestibule
- Lack of head cover or canopy
- Separation of stairs and ADA access
- General lack of continuity with school
- No clear architectural elements to identify as a performing arts venue



# AUDITORIUM RENOVATION



## Proposed Auditorium and Middle School Entrances

### POTENTIAL QUALITIES

- Expanded depth of entry and lobby for middle school and theatre
- Continuous canopy over head
- Combined “porch element”, ramp and centralized open stair
- Identifiable wayfinding from parking
- Clarity as a performing arts venue at the middle school
- Marquee wall



Elizabeth Stickley Auditorium Renovation at Old Blair High School

Montgomery County Public Schools

# AUDITORIUM RENOVATION



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# STICKLEY AUDITORIUM RENOVATION

## Proposed Project Schedule

<u>PROJECT PHASE</u>	<u>DURATION</u>	<u>TIMEFRAME</u>
Schematic Design	60 days	May 2014
County Design Review	30 days	June 2014
Abatement and Selective Demolition	14 days	June 16-29, 2014
Design Development	60 days	August 2014
County Review	30 days	September 2014
Construction Documents	120 days	January 2015
Bidding and Negotiation	15-30 days	TBD
Construction Phase	420 days	



# UNDERSTANDING PHASED, OCCUPIED PROJECTS

## Student and Staff Health + Safety at All Times



### BEST PRACTICES

- Insulated, temporary walls and negative pressure
- Develop egress plan for students and staff
- Contractor security ID system and rules of engagement



For further questions or comments on the presentation, please contact Seth Adams, Assistant Director, Division of Construction at Montgomery County Public Schools at [Seth\\_P\\_Adams@mcpsmd.org](mailto:Seth_P_Adams@mcpsmd.org).



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