

Multi-Story | Multi-Purpose Design Studio

Higher Education | Deaf Space

Fall 2016



4 MOOD BOARD 18 SECOND FLOOR PLAN 5 DESIGN CONCEPT 19 SECOND FLOOR RCP 6-7 PROCESS WORK 20 RENDERS 8 CASE STUDY: INTERVIEWS 21 FF& E 9 CASE STUDY: RESEARCH 22 THIRD FLOOR PLAN 10 FIRST FLOOR PLAN 23 THIRD FLOOR RCP 11 FIRST FLOOR RCP 24 RENDERS 12 RENDERS 25 FF& E 13 FF& E 26 FOURTH FLOOR PLAN 14 MEZZANINE FLOOR PLAN 27 FOURTH FLOOR RCP 15 MEZZANINE RCP 28 RENDERS 16 RENDERS 29 FF& E

17 FF& E

31 FIFTH & SIXTH FLOOR RCP

32 RENDER/ FF& E

33 SEVENTH FLOOR PLAN

34 SEVENTH FLOOR RCP

35 RENDER/ FF& E

36 SCHEME 1

37 SCHEME 2

38 SCHEME 3

39 THANK YOU!

TABLE OF CONTENTS

30 FIFTH & SIXTH FLOOR PLANS



MOOD BOARD

"Life is a circle. The end of one journey is the beginning of the next." -- Joseph M. Marshall

A circle can have many meanings, it represents continuity, unity, and eternal inclusion. A circle has no edges and no corners; all parts are equally important in forming the shape and making it whole. The concept of the circle symbolizes inclusivity and collaboration, this concept is used to encourage interaction between students, faculty, and locals within RIT's new urban campus.

The multistory building in Detroit, Michigan, is aimed at connecting all of its users within the space, encouraging communication between deaf and hearing students. The Art Deco building's historical elements are highlighted within the schools new design. Facade restoration helps maintain the buildings inclusion in the Detroit city environment. Curved walls within the building help minimizes hazards for students and faculty. The inclusion of translucent materials expands visibility and provides connectivity between rooms. Flexible furniture throughout the buildings shared spaces provides opportunities for the students, staff, and faculty to collaborate with one another. Various shades of blue provide contrasting colors to most skin tones, resulting in easier communication and increased visual clarity. Finish selections are chosen consciously to reduce distraction or visual confusion when communicating using American Sign Language. Sustainable design in the project can lengthen the lifetime of materials and improve the wellbeing of the users. Natural lighting utilized throughout the space can improve the air quality, increase energy levels for the public, and lower the cost of expenses with energy efficient design. The need for public entertainment, private education, and secure residential spaces requires special consideration in order to safely and enjoyably bring the RIT community and Detroit residents together.

DESIGNI CONICEDT

First Floor	lobby	Reception	Security Desk	Burvator/Stains	Me Storage SPaces	Restrooms	Seauthy Stand	Retail Space	Cafe & Bookstore	Restourant Space	Entry	Gym	Sports Equipment & Lockers
Lobby													
Reception													
Security Desk													
Elevator/Stairs													
Bike Storage Spaces													
Restrooms													
Security Stand													
Retail Space													
Cale & Bookstore													
Restaurant Space													
Entry													
Gym	0	0								0	0		
Sports Equipment & Lockers					•	•							

LEGEND
- PRIMARY
- SECONDARY
O + UNDESIRABLE

Third Floor	Searity Stand	Classrooms	Student Meeting Spaces	Teacher Meeting Spaces	Lounge Spaces	Restrooms	Bevotor/Stains	brediout Spoots	Cole	Computer Labs	Teacher's Lounge	I'G Room	Fooulty, Meeting Spooes	Teacher Ottoes	Foculty Offices	Student Ottoes	
Security Stand																	
Classrooms																	
Student Meeting Spaces																	
Teacher Meeting Spaces			0														
Lounge Spaces																	
Restrooms																	
Elevator/Stairs					•												
Breakout Spaces																	
Cale																	
Computer Labs																	LEGEND
Teacher's Lounge			0														- PRIMARY
LGI Room																	
Faculty Meeting Spaces					•		•	•									- SECONDARY
Teacher Offices																	
Faculty Offices																	O - UNDESRANE
Student Offices																	O - CASESBAGG

Second

Floor

00

00

0

0

LEGEND

= PRIMARY

- SECONDARY

UNDESIRABLE

Theater
Arcade/Billiards
Security Stand
Elevator/Stairs
Public Meeting Rooms

Restrooms

Public Office Spaces

Lounge Spaces

Breakout spaces

Cafe & Bookstore
Collaborative/Studio

Spaces

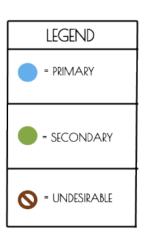
Event Hall

[&]quot;Faculty Includes: IT, Advisors, Facilities, etc.

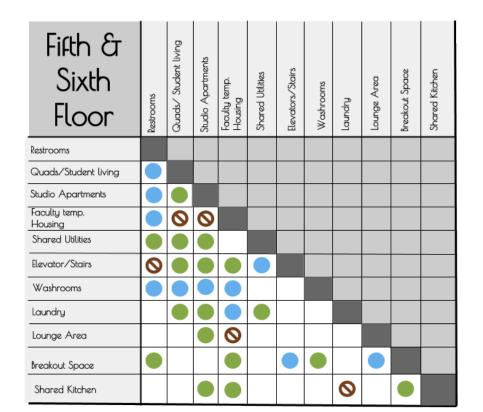


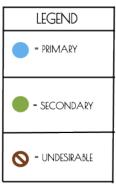
[&]quot;First Floor - Mezzanine Plan will have bathrooms, lounge spaces, and small food stands." $\,$

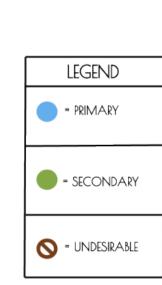
Fourth Floor	Dining Hall/Cafe	Lounge	Restrooms	Full Kitchen	Common Areas	Breakout Rooms	Studio Space	Elevator/Stairs
Dining Hall/ Cafe								
Lounge								
Restrooms								
Full Kitchen								
Common Areas								
Breakout Rooms								
Studio Space	0			0				
Elevator/Stairs								



Seventh Floor	Library	Study Area	Studio Space	Elevator/Stairs	Bathrooms	Roof Greenhouse	Summer Movie Events
Library							
Study Area							
Studio Space							
Elevator/Stairs							
Bathrooms							
Roof Greenhouse	0	0					
Summer Movie Events	0	0					









STUDENT INTERVIEW: GRACE YUKAWA

Classrooms: mobile modular furniture or circular shaped layout for easy communication, also multiple screens to view lectures from

Ordering food: It can be difficult to point to everything-instead have a sheet to fill out

Materials/colors to avoid: Avoid a lot bright bold colors on walls and patterns such as stripes and zig-zags which make it hard to sign against.

Best flooring material for vibrations: Hardwood, worst-carpet.

Technology problems: The fire alarm and doorbell light are similar, so they are easily confused. Using a color instead of a flashing pattern would be better.

Sensory Reach: Wider hallways are better Gosnell Hall has a lot of carts in the hallway which Grace says she bumps into often.

PROFESSOR INTERVIEW: REGINA KIPERMAN- KISELGOF

Classrooms: recording devices added into classroom settings would help replace the need for note takers. Storage space included beneath desks eliminates clutter on work surfaces.

Ordering food: digital kiosks for ordering would eliminate mistakes and miscommunication with specific orders

Materials/colors to avoid: no plaid or stripes or checkers or polka dots, too busy to visualize the signs.

Best Flooring material: hardwood & tile (hard surfaces), carpet is the worst, it muffles sound.

Technology Problems: Using different light patterns for an alert system at home helps, but takes time to recognize.

Sensory Reach: glass, wider hallways, curved hallways, and windows in between spaces are helpful.



RESEARCH ON DEAFSPACE:

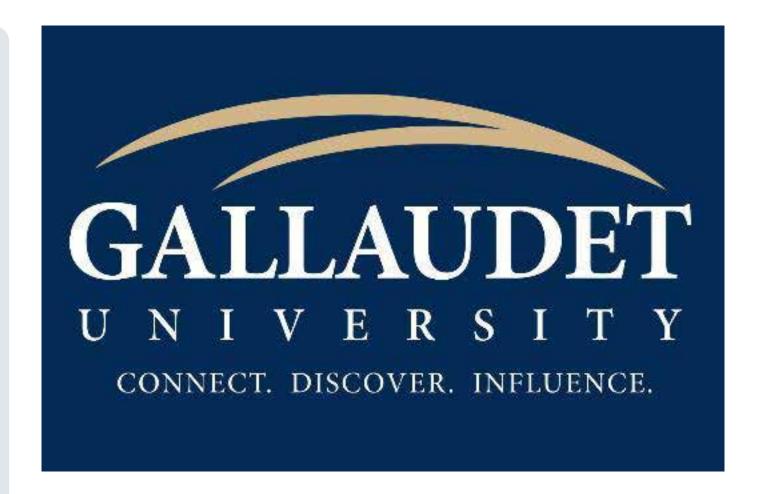
5 major points of deafspace: sensory reach(addressed by our glass walls and open floors), space and proximity, might and color, and acoustics

Good to encourage creative and collaborative thinking, design with alternate uses in mind

Campfire Configuration

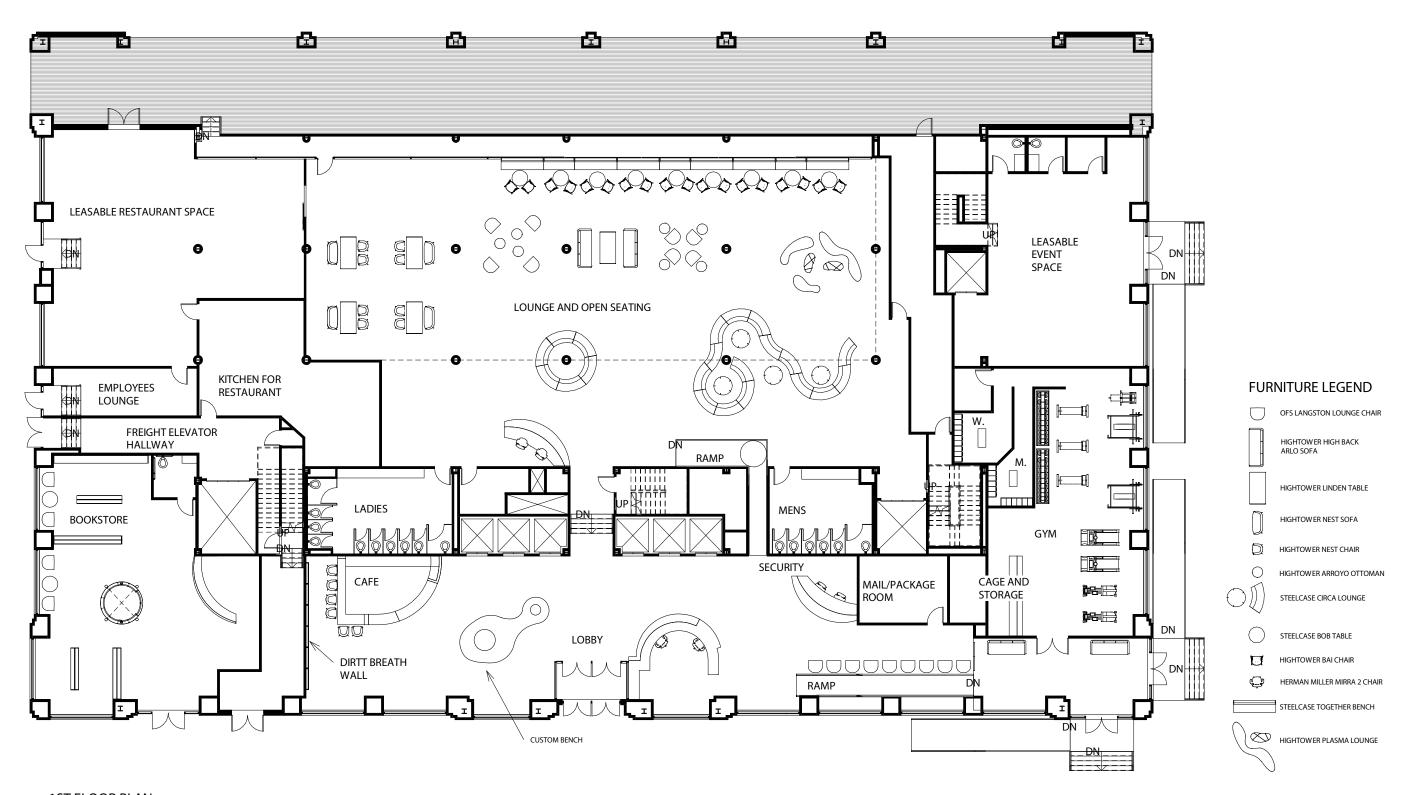
Important to teaching deaf- diversity of teaching & educational styles

Technologies:
Closed captioning
Cochlear implants
Text relay/ video relay
Motion savvy
Convo light app



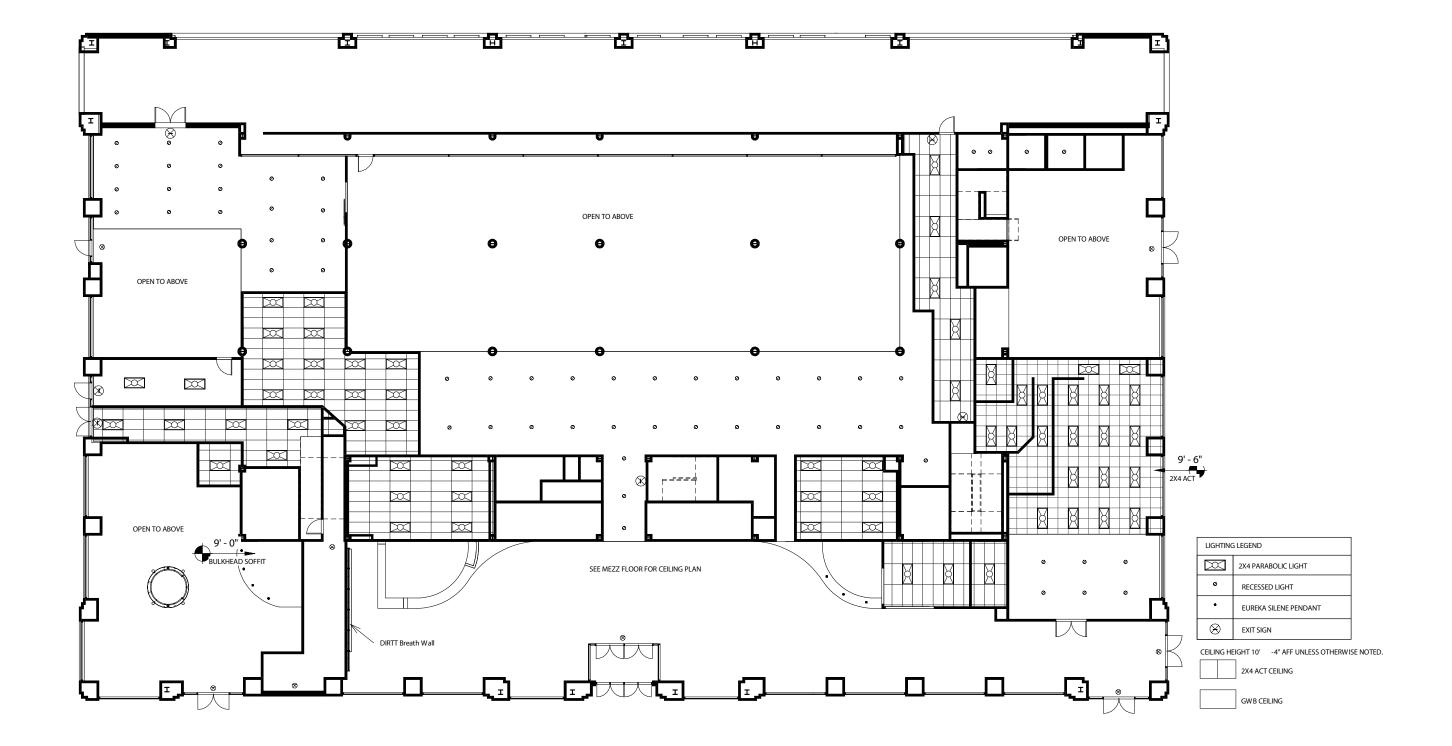






1ST FLOOR PLAN
1/16" = 1'-0"

FIRST FLOOR PLAN



1 1ST FLOOR PLAN 1/16" = 1'-0"



LOBBY & LOUNGE

BRIGHT CONTRASTING FLOOR MATERIALS
AND COLOR BLOCKING ON THE WALLS
ASSIST IN WAYFINDING FOR THE VISUALLY
IMPAIRED

GLASS WALLS AND FLOOR COLOR
BLOCKING PROVIDE VISIBILITY FOR
COMMUNICATION BETWEEN THE FIRST,
MEZZANINE, AND SECOND FLOORS



RENDERS

OFS LANGSTON LOUNGE CHAIR



STEELCASE CIRCA LOUNGE



FURNITURE IS
CONSTRUCTED AND
CONFIGURED IN THE
ROUND TO
ENHANCE ASL
VISUAL
COMMUNICATION

COLORS LIKE BLUE AND ORANGE ARE USED AS ACCENTS TO CONTRAST SKIN TONES FOR EASIER COMMUNICATION USING ASL

FREE FORM LA2
CONNECTED
LIGHTS (upper right)
ARE USED TO
CREATE AN
ILLUMINATED FOCAL
POINT IN THE ENTRY
AND LOBBY







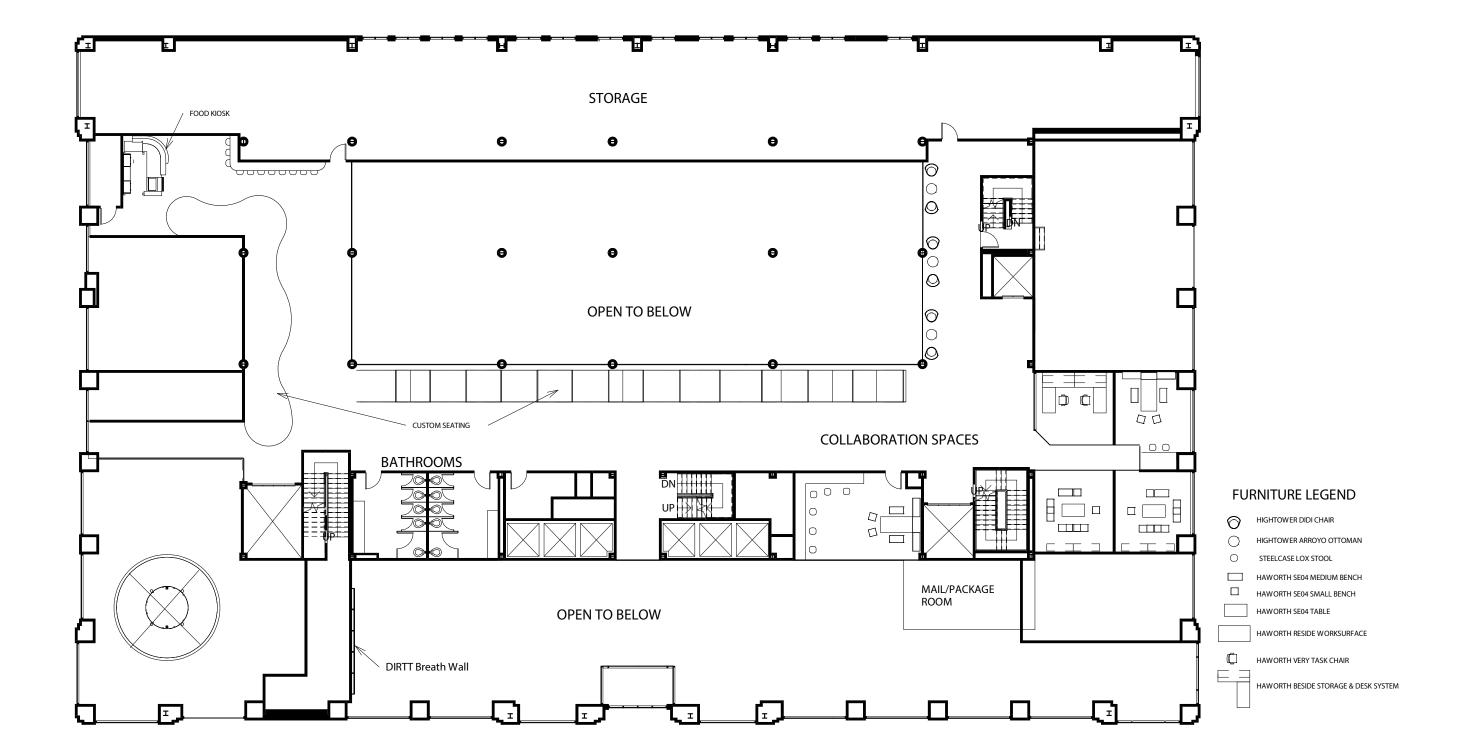
ARCCOM COMPASS: PAPAYA



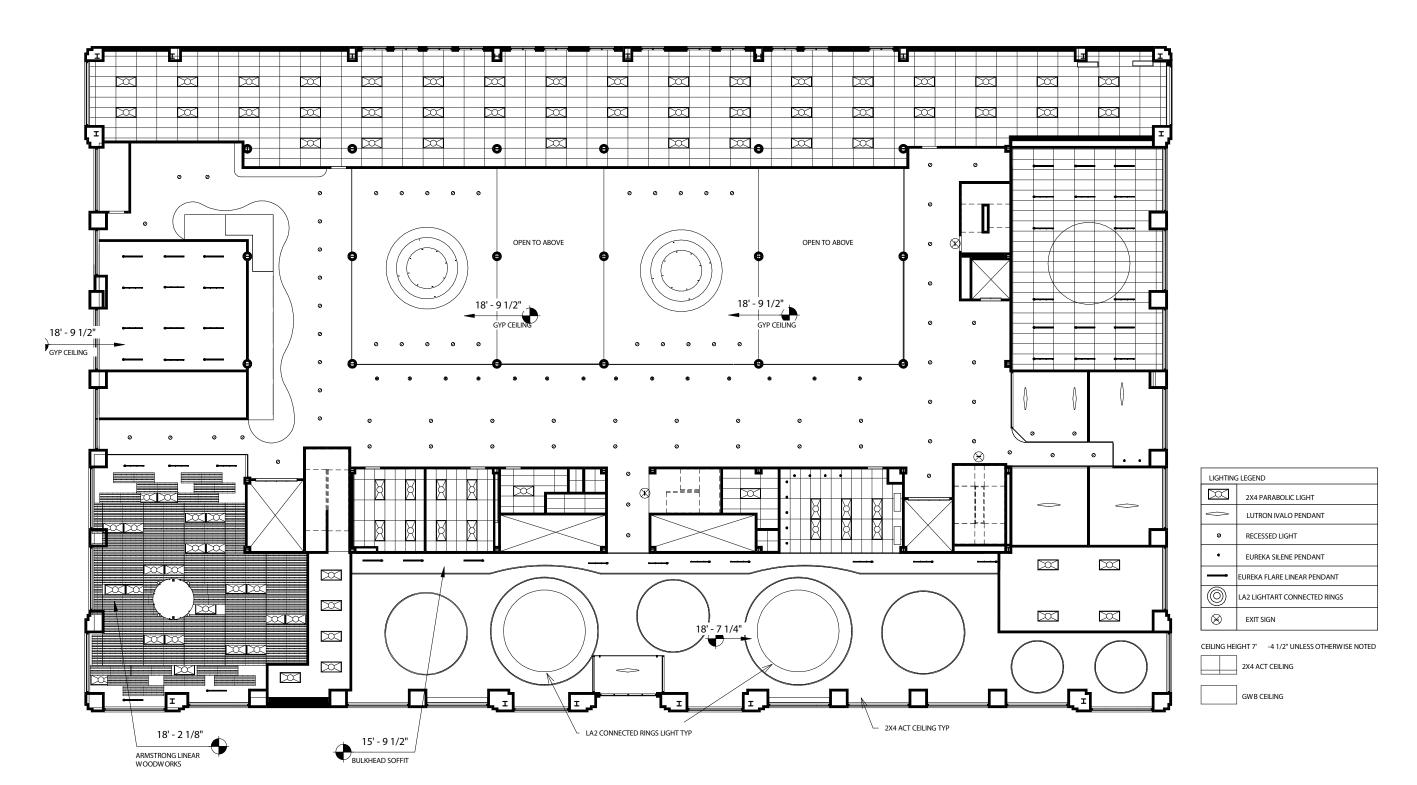
SHERWIN WILLIAMS



FF&F



1 Mezz Floor 1/16" = 1'-0"



1 Mezz Floor 1/16" = 1'-0"

MEZZANINE RCP



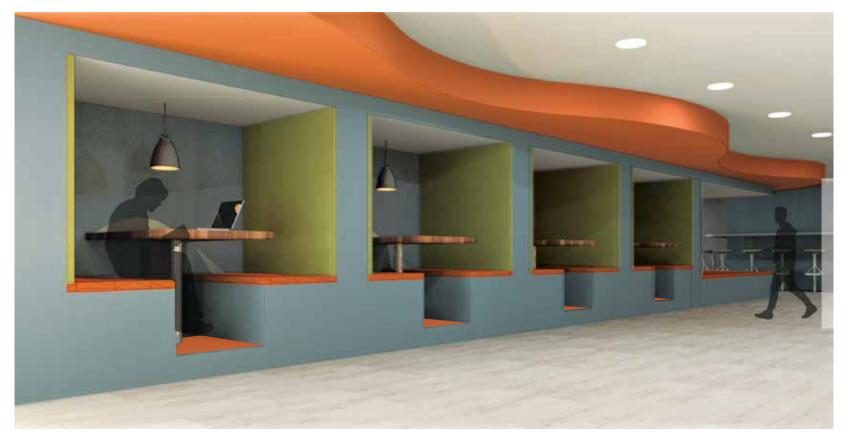
"RIBBON CANDY" & DINING BOOTHS

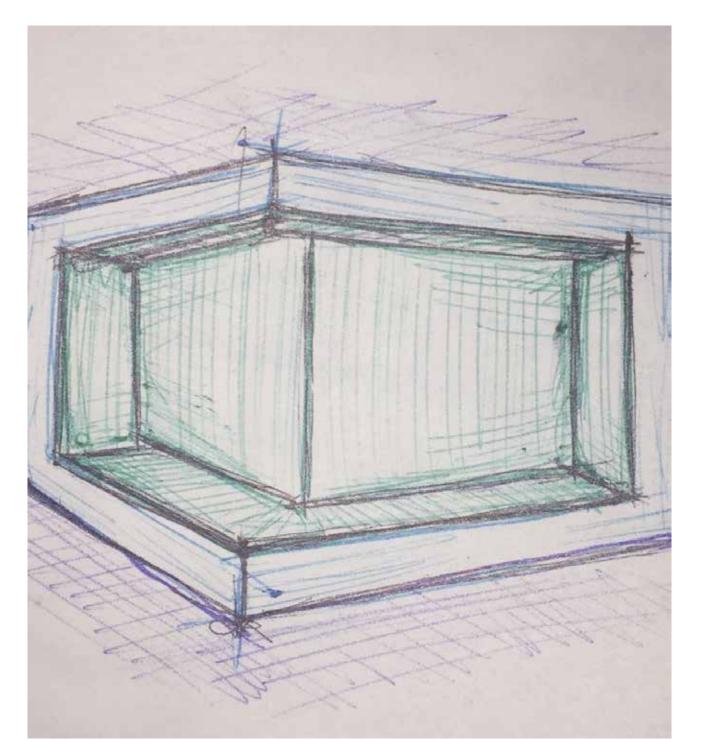
THE MEZZANINE FLOOR HAS A CUSTOM BUILT "RIBBON CANDY" SEATING AREA. STUDENTS MAY CHOSE TO SIT UNDER THE ARCHES ON STOOLS AND SOFAS OR SIT ON TOP OF THE PADDED CURVED-BENCH

THE SHAPE PROVIDES EASY AND ABUNDANT SPACE FOR COMMUNCATION BETWEEN STUDENTS. THE FURNITURE UNDERNEATH THE ARCHES IS FLEXIBLE AND CAN BE MOVED SO THAT COMMUNICATION CAN BE DONE IN THE ROUND

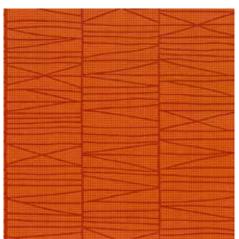
BUILT IN DINING BOOTHS ON THE MEZZANINE ARE CONVENIENTLY LOCATED AROUND THE CORNER FROM FOOD KIOSKS AND VISIBLE (WITH THE HELP OF THE ORANGE SOFFIT) FROM THE FIRST FLOOR LOUNGE AND SECOND FLOOR CLASSROOM SPACES

THE ORANGE FABRIC OF THE BENCH SEAT AND THE STEP RUN CONTRASTS WITH THE BLUE BACKGROUND CREATING A VISUAL DIFFERENTIATION BETWEEN THE RISE AND SEAT, HELPING DIRECT THE VISUALLY IMPAIRED









KNOLL TIGHT ROPE FIREFI Y UPHOLSTERY ON DINING BOOTHS & HIGH TOWER ARROYO

KNOLL UTRILLO FRENCH CHALK ON RIBBON CANDY



GO FLOORS- ISLAY FOG



SHERWIN WILLIAMS

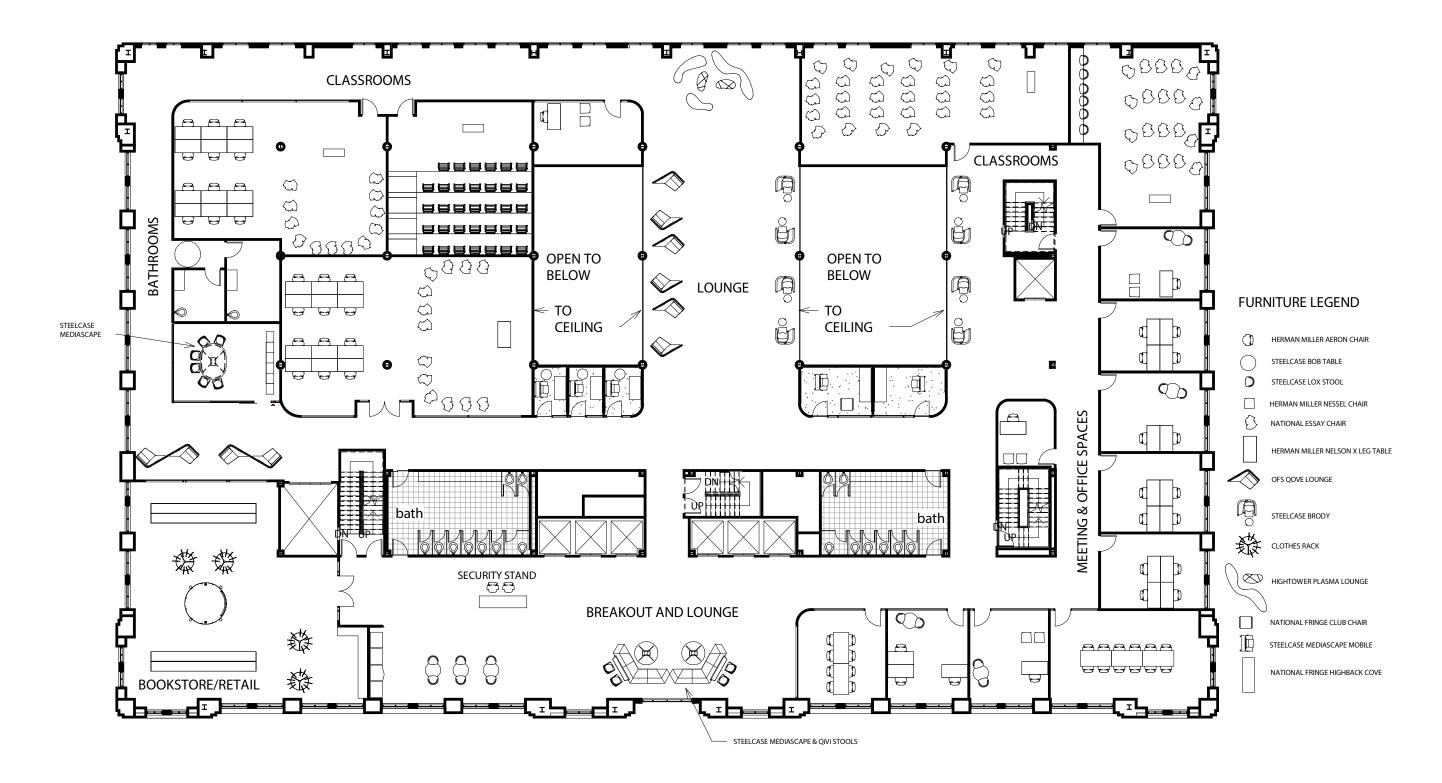
LEMON **VERBENA**

BLUSTERY SKY

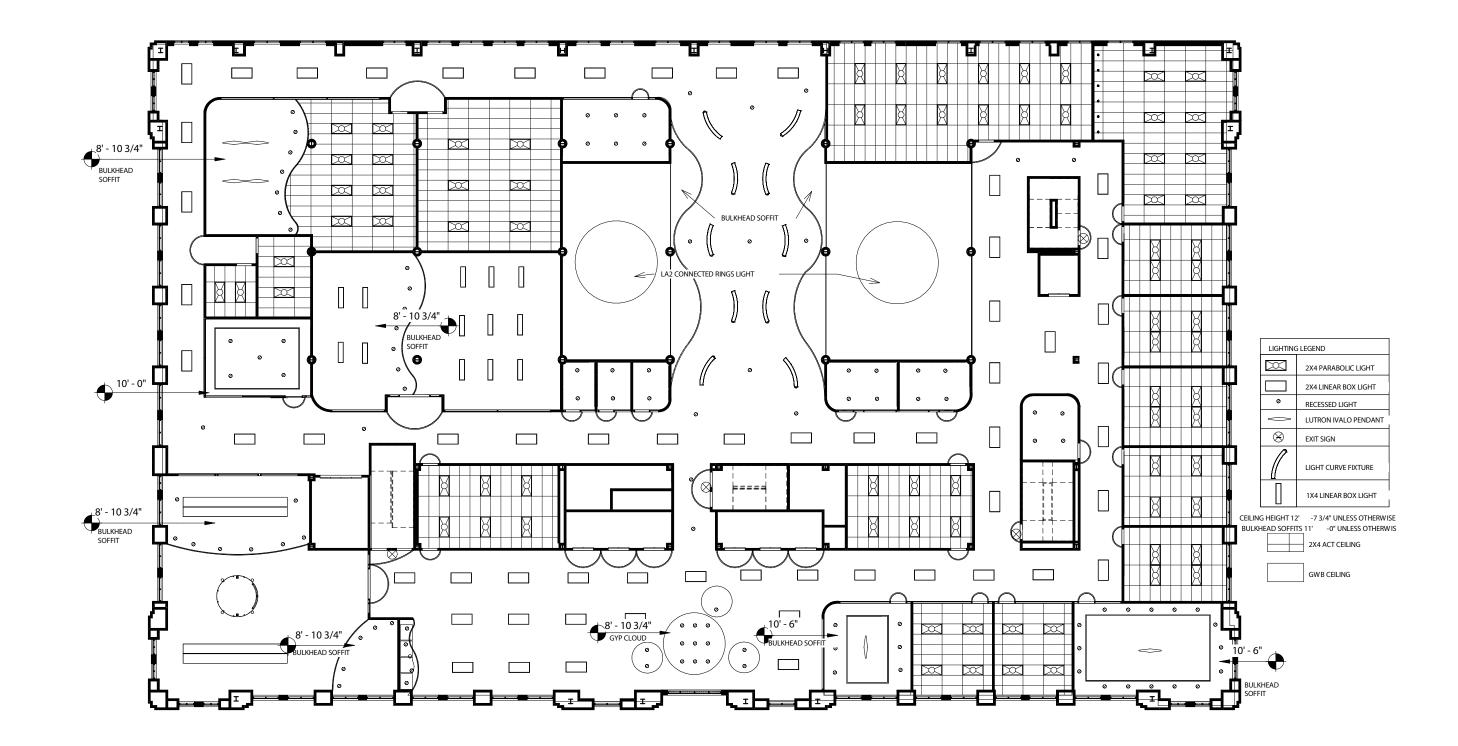


HIGH TOWER ARROYO





1) 2ND FLOOR PLAN 1/16" = 1'-0"



1) 2ND FLOOR PLAN 1/16" = 1'-0"



PHONE BOOTHS PROVIDE STUDENTS LARGER AND MORE PRIVATE SPACES TO MAKE VIDEO CALLS

DEAF SPACE/ ASL REQUIRES MORE SPACE FOR HAND MOVEMENTS, THE PHONE BOOTHS ACCOMODATE MULTIPLE STUDENTS AT A TIME

ORANGE SOFFITS AND NUMBERS ARE USED HERE TO AID WAYFINDING BY DIRECTING STUDENTS TO ALL DOORWAYS

CLASSROOM & PHONE BOOTHS

CLASSROOMS ARE EQUIPED WITH DIRTT MEDIAWALL, WHICH INCLUDES VIDEO SCREENS AND WRITABLE SURFACE SPACE

COLLABORATION IS ENCOURAGED IN THE LECUTURE SPACE, ESSAY CHAIRS IN A CIRCLE FORMATION PROVIDE EASY DISCUSSION BETWEEN STUDENTS AND PROFESSORS

THE ORANGE SOFFIT ABOVE THE TABLES HELPS SEPARATE THE COLLABORATION SPACE FROM THE LECTURE AREA





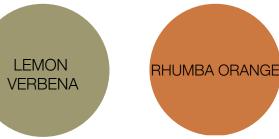
RENDERS



CLASSROOMS CONTAIN THE ESSAY CHAIR BY NATIONAL OFFICE FURNITURE

THE CHAIR'S
DESIGN
ACCOMODATES
DEAF AND HARD OF
HEARING NEEDS
SUCH AS CLEAR
DESK TOPS TO
PROVIDE SPACE FOR
COMMUNICATING
USING ASL

SHERWIN WILLIAMS











FLOORING SELECTIONS



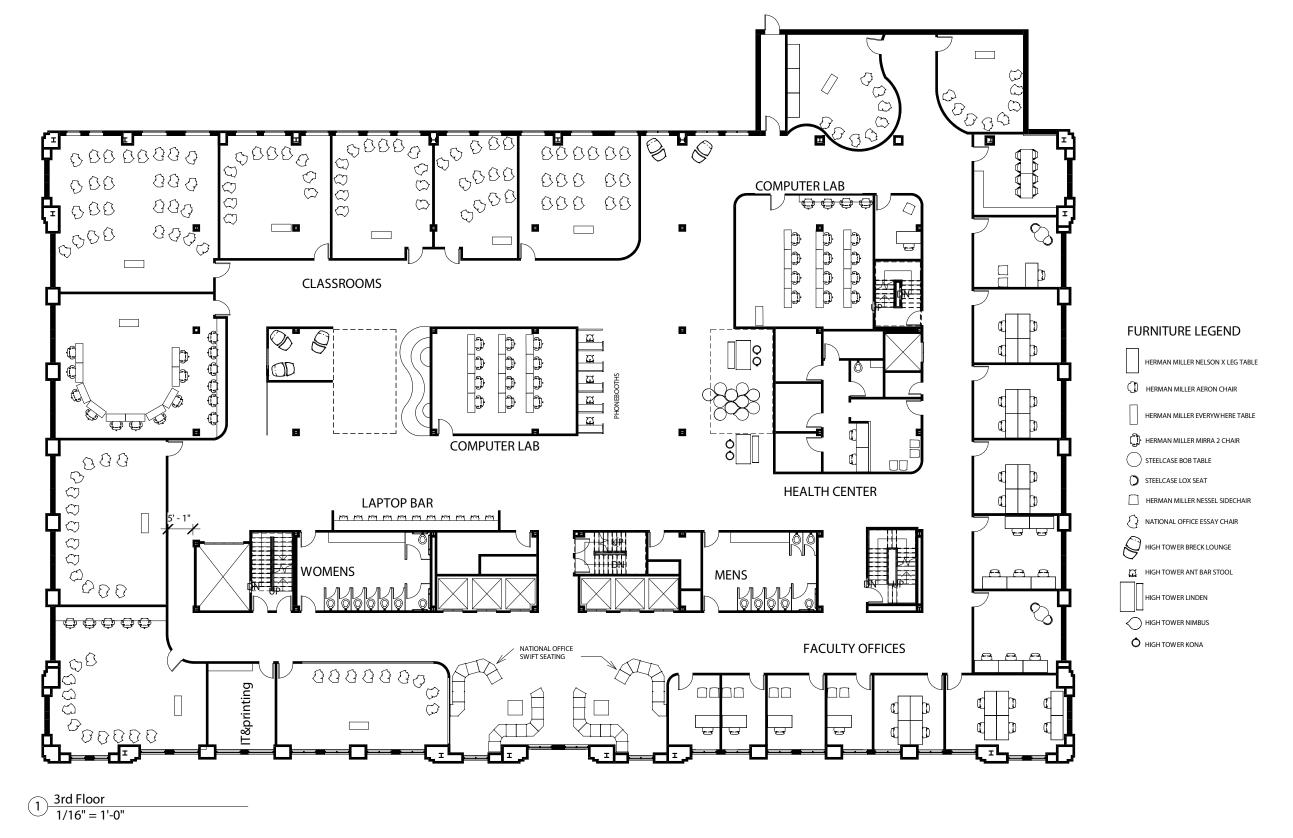
INTERFACE CARPET PIGEON CONNECTIONS



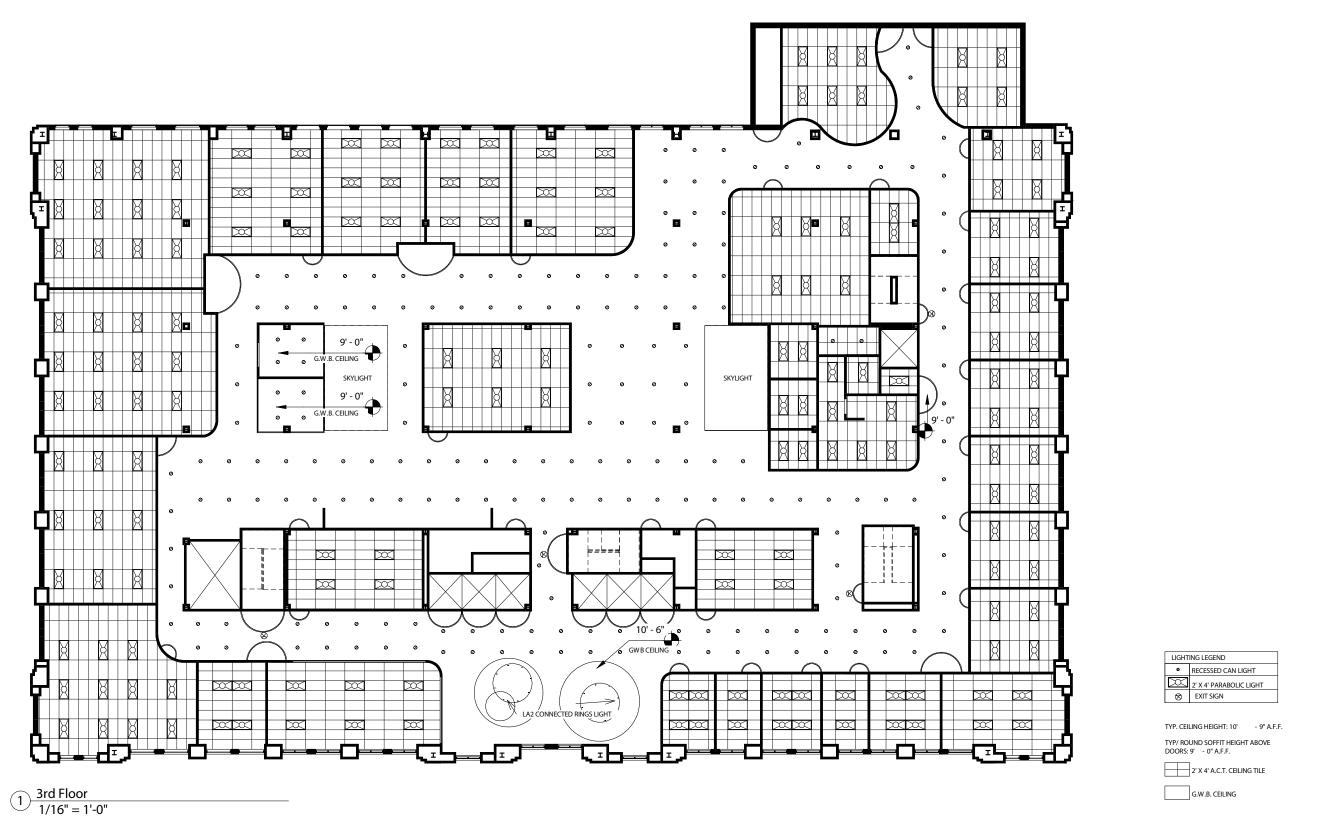
ARMSTRONG HICKORY WESTERN MOUNTAIN







THIRD FLOOR PLAN



THIRD FLOOR RCF



COLLABORATION CUBE & "CUBBIES"

THE COLLABORATION CUBE INCLUDES THREE PLANES OF AVAILABLE WHITEBOARD SURFACE FOR STUDENTS AND PROFESSORS TO BRAINSTORM IDEAS ON

THE TIERED BENCH ADJACENT TO THE CUBE ALLOWS FOR SMALL CLASSES AND GROUPS TO MEET AND IDEATE IN A FUN AND INFORMAL SETTING

CONVENIENTLY LOCATED IN THE CENTER OF THE THIRD FLOOR, THIS BREAKAWAY SPACE IS AVAILABLE ANYTIME THROUGHOUT THE WEEK

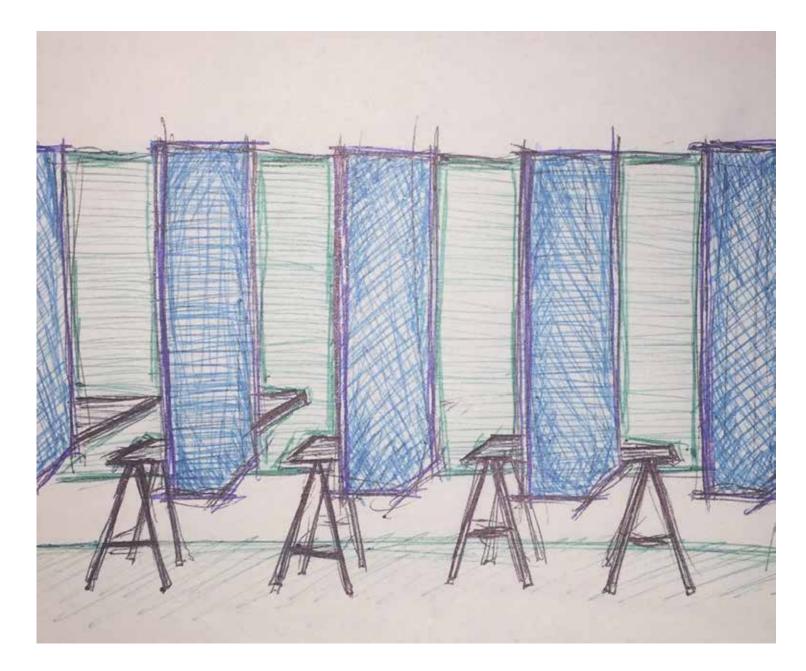
THE "CUBBIES", ALSO CENTRALLY LOCATED ON THE THIRD FLOOR ARE DESIGNED TO ALLOW STUDENTS A CONVENIENT SPACE FOR WORKING PRIVATELY

THE "CUBBIES" WERE CREATED TO ALLOW STUDENTS EASY ACCESS TO AN INDIVIDUALIZED SPACE WITHOUT LEAVING THE ACADEMIC FLOOR

THE FLOOR TO CEILING CHALKBOARD, ACROSS FROM THE "CUBBIES", ALLOWS STUDENTS ANOTHER OPEN SPACE FOR IDEATION; HIGHTOWER NIMBUS STOOLS MAKE RECONFIGURING THE SPACE FUN



RENDERS



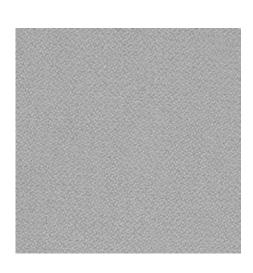




KNOLL ECLAT WEAVE TANGERINE



CAMIRA MILL COLLECTION MANHATTAN



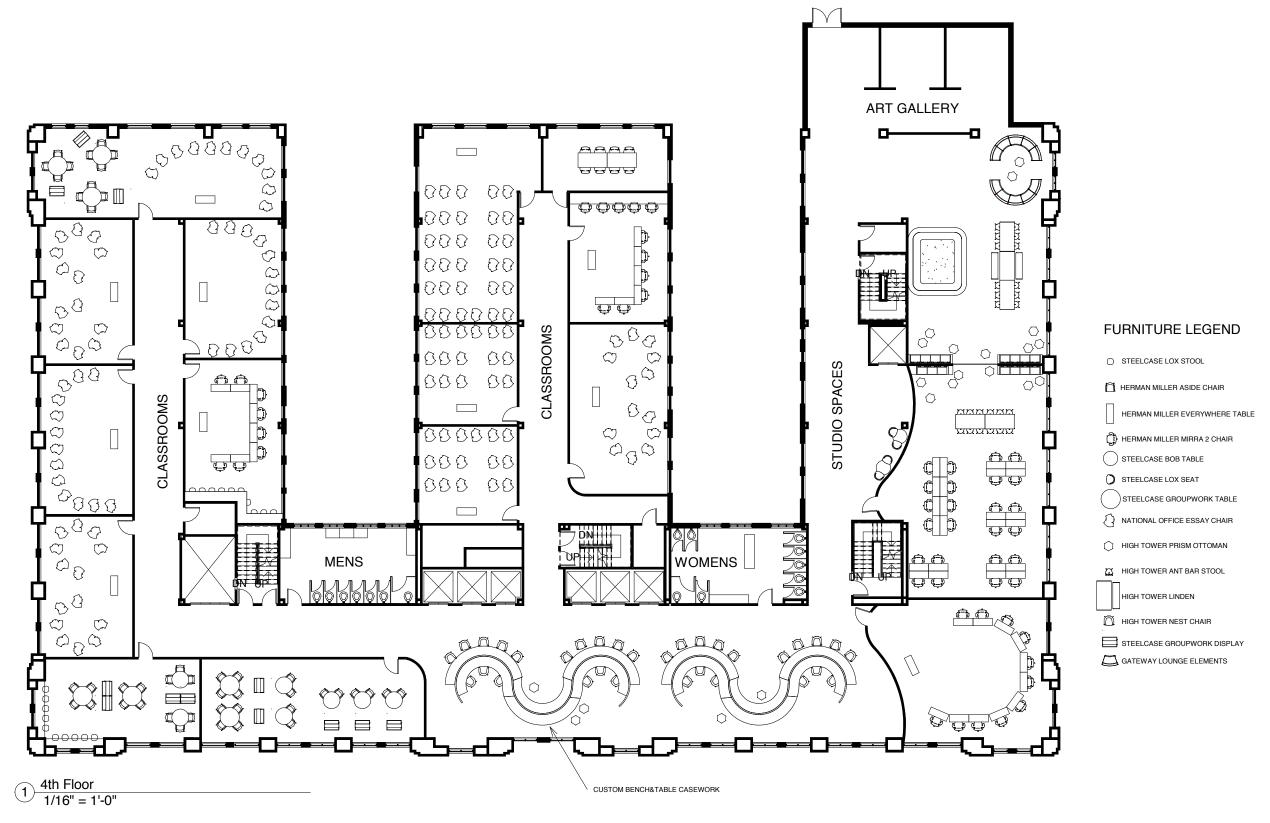
CAMIRA MILL COLLECTION
OXYGEN VIRTUE



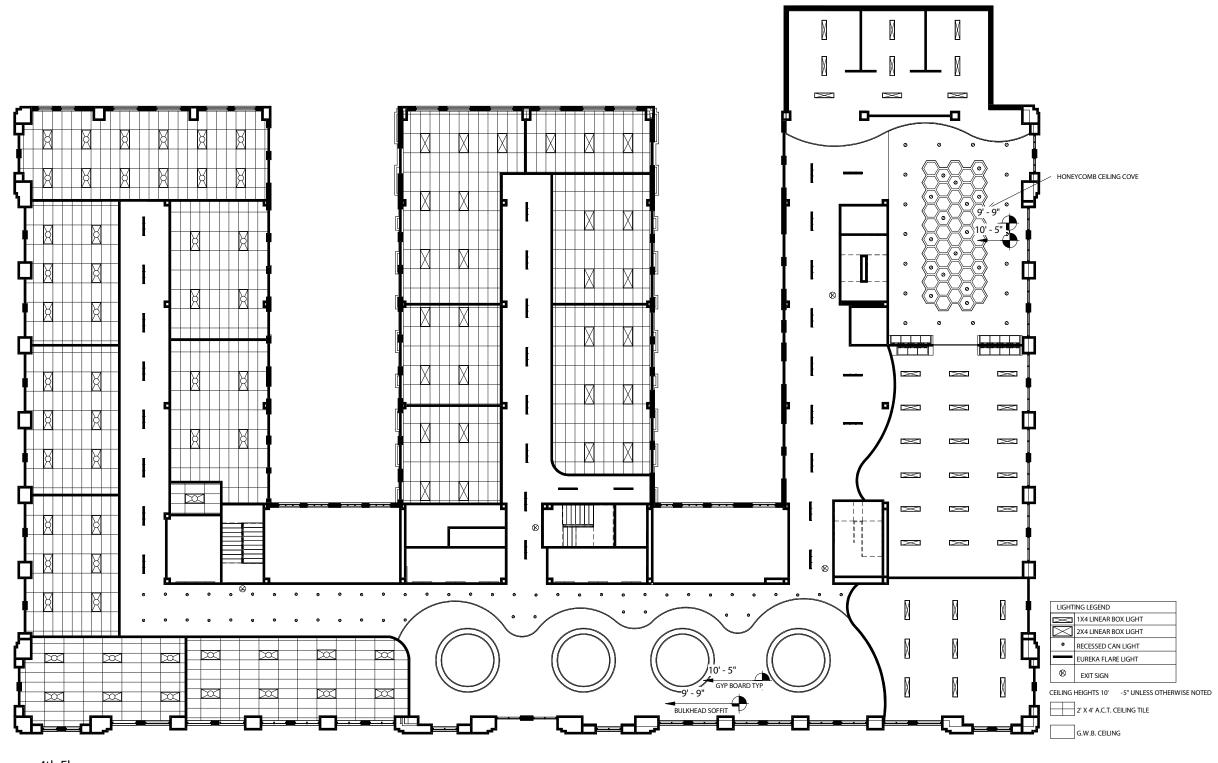
HIGH TOWER NIMBUS



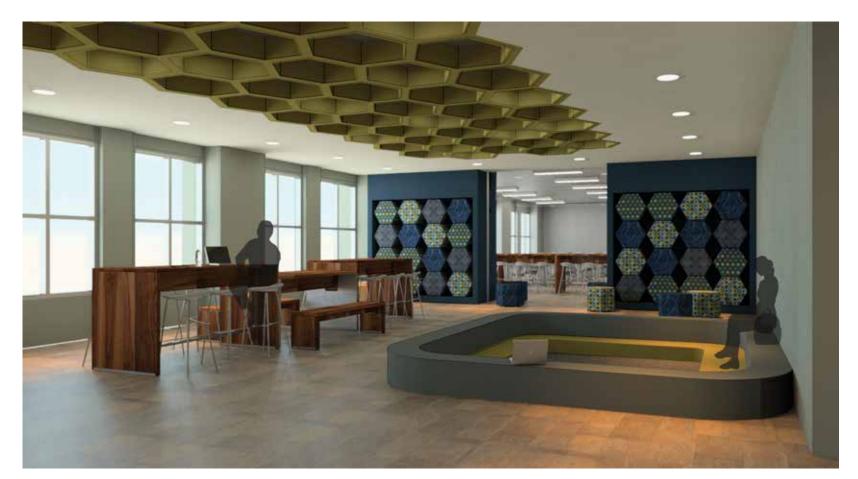
FF&E



FOURTH FLOOR PLAN



1 4th Floor 1/16" = 1'-0"



THE CUSTOM CURVILINEAR WORK STATION IN THE FOURTH FLOOR LOBBY PROVIDES STUDENTS GREAT COLLABORATIVE BREAKAWAY SPACE

THE ORANGE PARTITIONS ALLOW PRIVACY FOR STUDENTS WORKING INSIDE THE CURVED NOOKS. LAPTOP BARS AND BENCHES ACCOMODATE MORE PUBLIC COLLABORATION

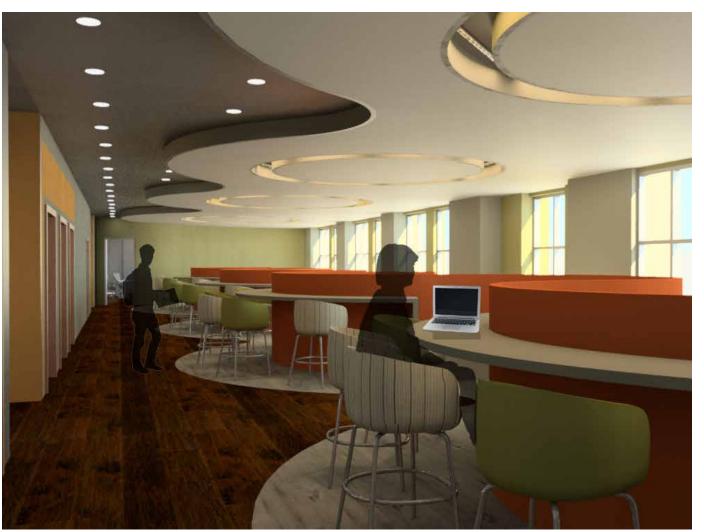
THE CURVED COUNTERTOPS ALLOW FOR EASIER COMMUNICATION FOR STUDENTS WORKING IN GROUPS AND USING ASL

STUDIO & CURVILINEAR STATION

THE STUDIO SPACE OFFERS ALTERNATIVE SEATING FOR STUDENTS

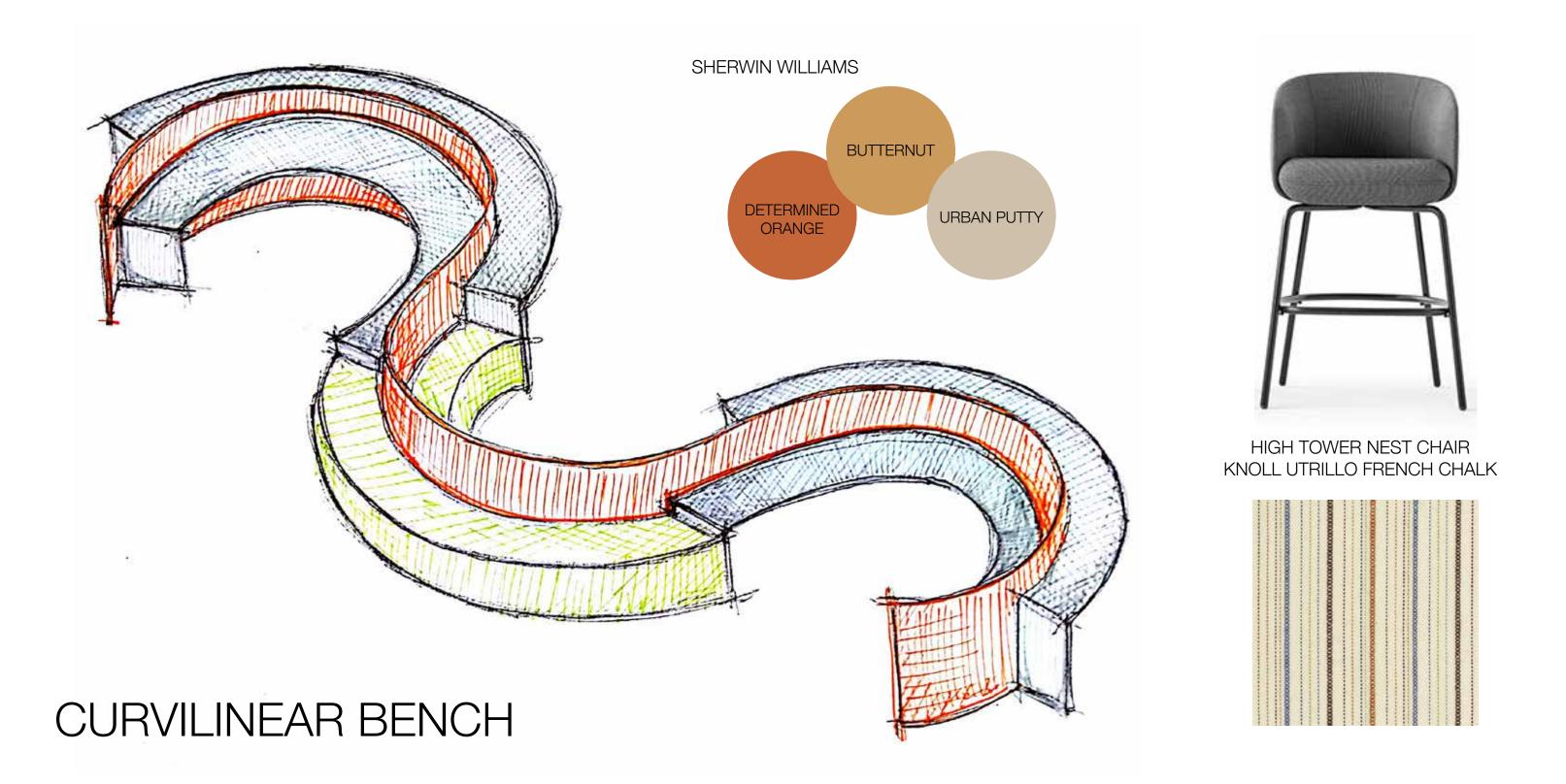
THE "FIREPIT" TIERED BENCH MAKES GROUP COMMUNICATION AND VISIBILITY EASY DUE TO ITS ROUND SHAPE AND LEVELED SEATS

THE HIVE PARTITION WALL STORES MOVABLE OTTOMAN SEATS WHICH ARE A GREAT ADDITION WHEN USING THE GLASS WHITEBOARD WALL IN THE CENTER OF THE STUDIO



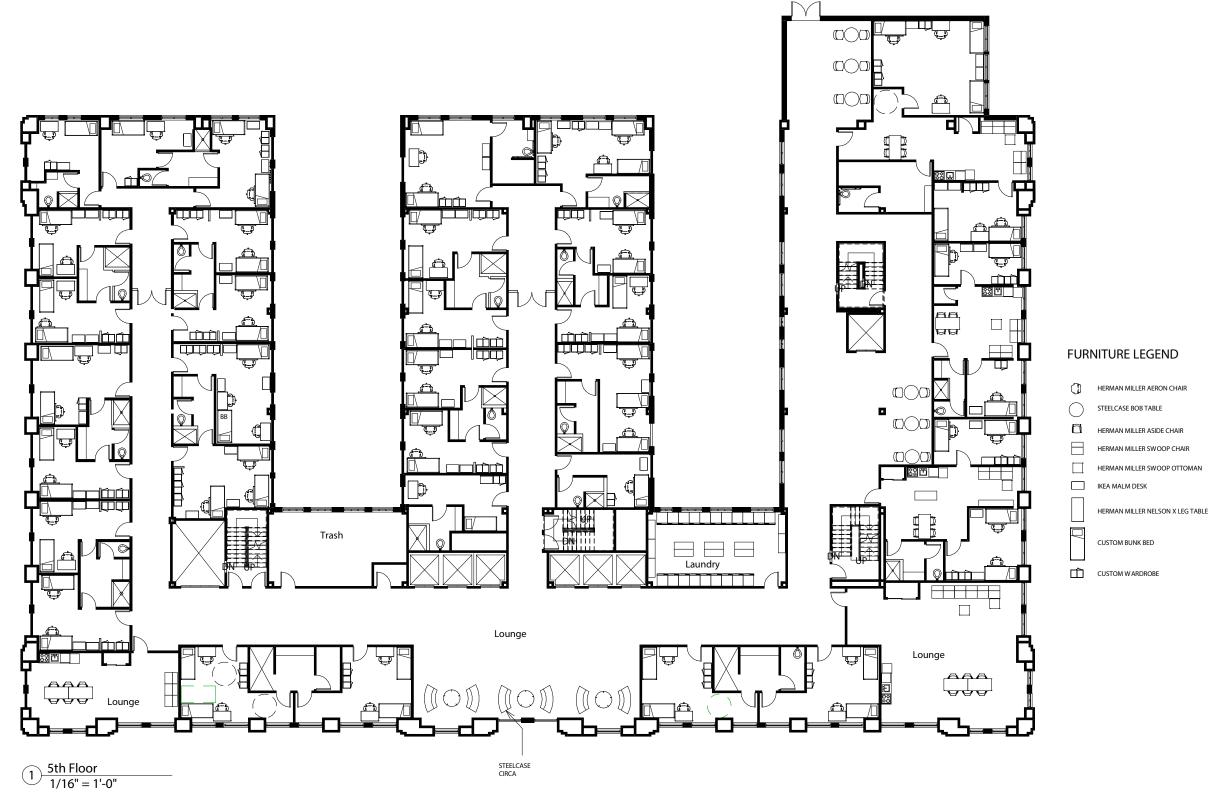


RENDERS

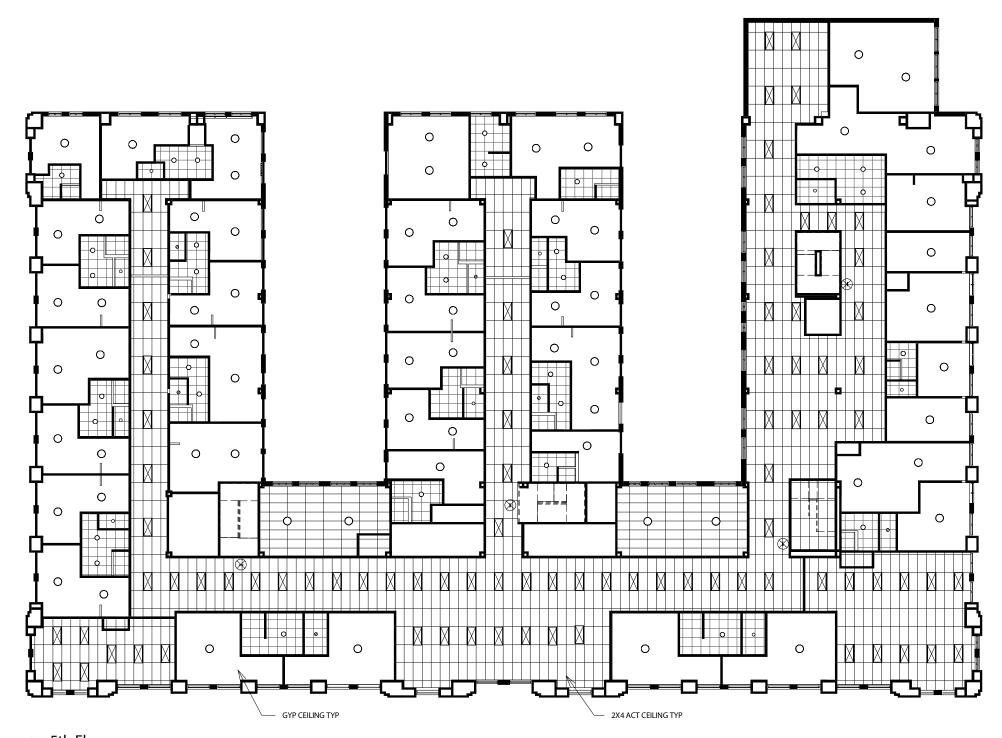




FF&E



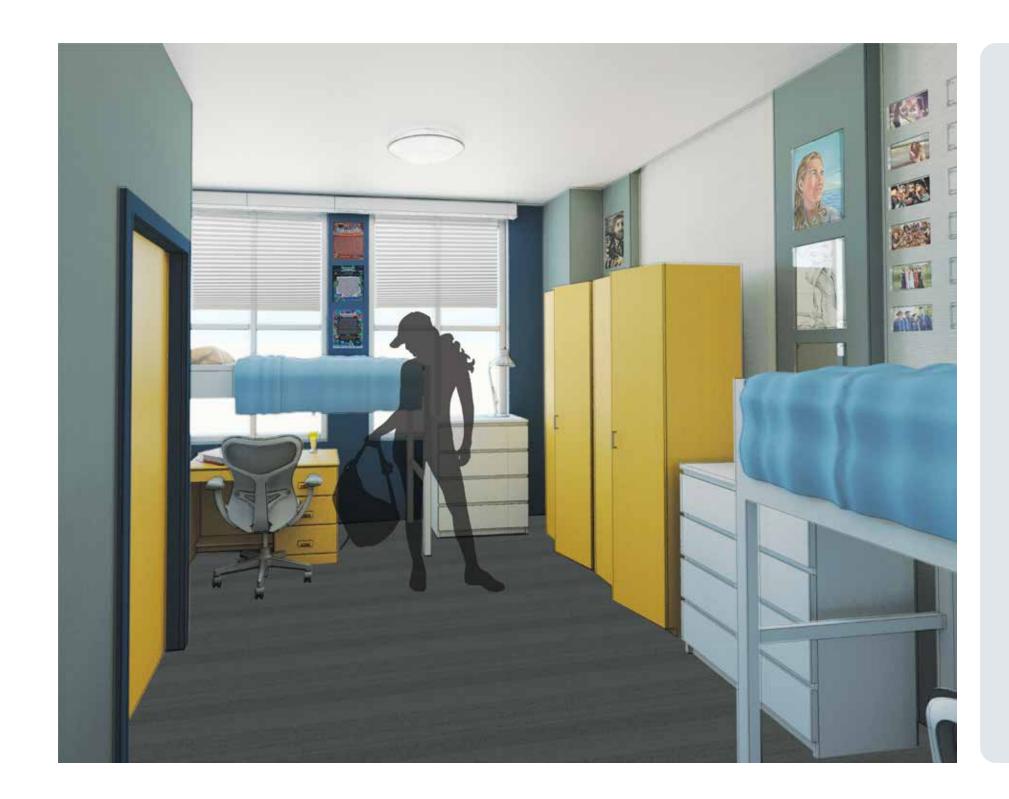
FIFTH & SIXTH FLOOR PLAN



LIGH	LIGHTING LEGEND:						
0	EUREKA CLOUD CEILING MOUNT LIGHT						
0	EUREKA ELROY						
	2X4 TROFFER						
\otimes	EXIT SIGN						

CEILING HEIGHT 10' -0" UNLESS OTHERWISE NOTED

5th Floor 1" = 20'-0"



PHILLIPS HUE LIGHT TECHNOLOGY AIDS IN DEAF SPACE DESGIN BY ALERTING STUDENTS USING LIGHTING IN PLACE OF SOUND

DIFFERENT COLORS
WILL SIGNIFY
DIFFERENT ALERTS
SUCH AS
EMERGENCY, DOOR
OPENING, OR
DOORBELL RINGING

STUDENTS WILL
NEVER HAVE TO
FEEL UNINFORMED
OR INSECURE
ABOUT THE
SECURITY OF THE
RESIDENCE HALLS



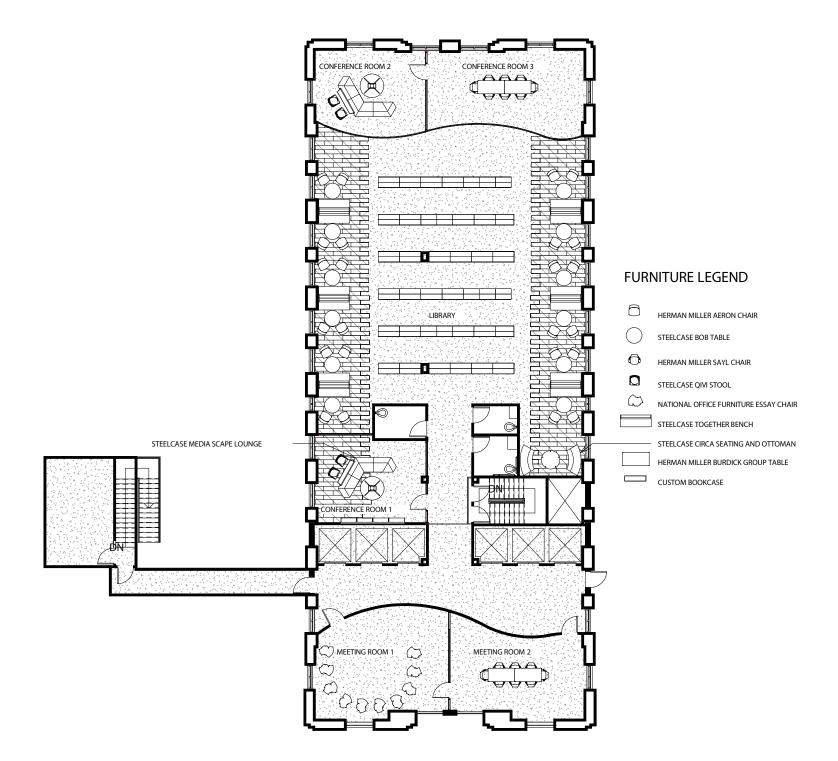
EUREKA LIGHTING CLOUD
CEILING MOUNT

LIGHTING (above)
FLOORING (below)
DORM ROOM STANDARDS

INTERFACE STREETSMART CARPET TILES

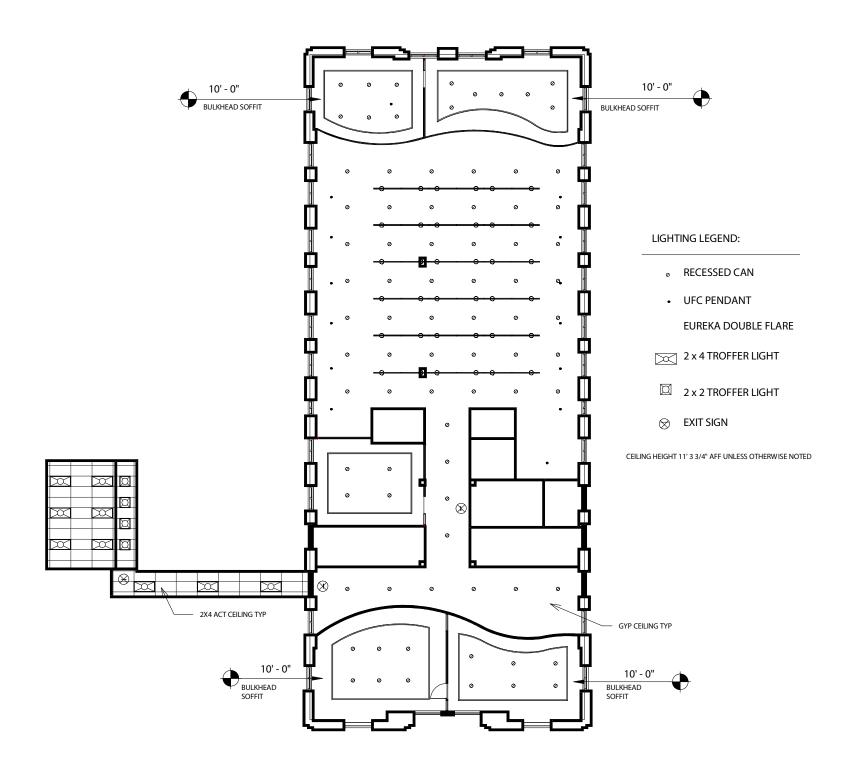


RENDER / FF&E



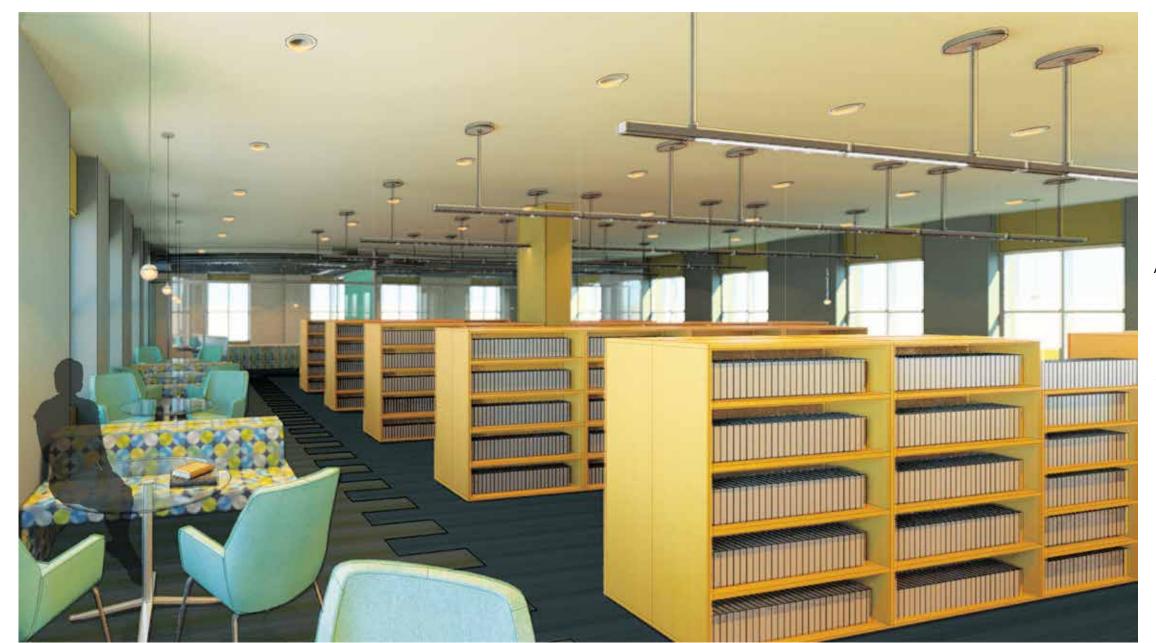
7th Floor 1/16" = 1'-0"

SEVENTH FLOOR PLAN



1 7th Floor 1/16" = 1'-0"

SEVENTH FLOOR RCP

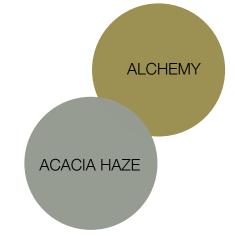


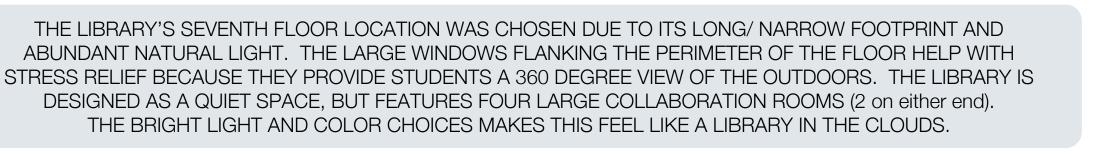


SHERWIN WILLIAMS

ARCCOM COMPASS MIDNIGHT









RENDER / FF&E



SCHEME 1



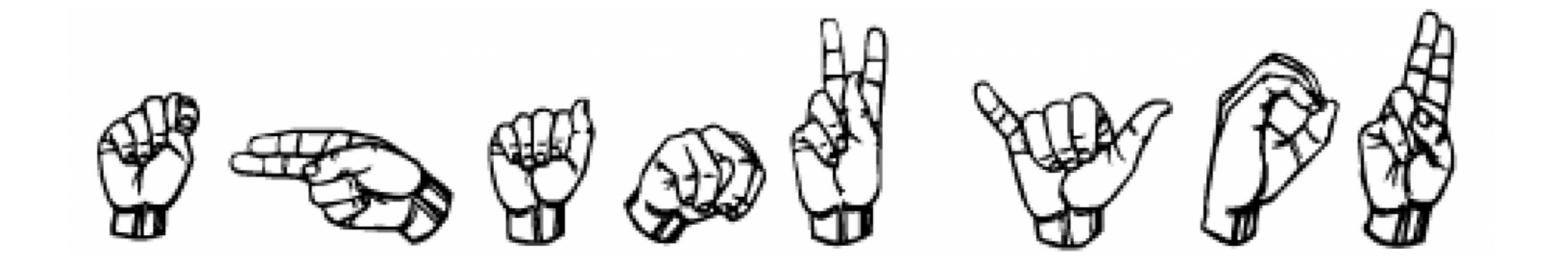


SCHEME 2





SCHEME 3



#