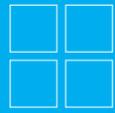


**Special Projects 2011**



- + Identity
- + Productivity
- + Organization
- + Collaboration
- + Inspiration

The Center for Detectors (CFD) is part of the Chester F. Carlson Center for Imaging Science in the College of Science at RIT. It is currently housed on the 3rd floor of Building 17. The CFD focuses on design and development of advanced photon detectors and technology.

In the spring of 2011 twenty one Senior Interior Design students were invited to create design concepts for office and lab space for The Center for Detectors. After a tour of the facility and several weeks of individual observations, research and analysis the students each selected one specific space to concentrate on. They were asked to create two concepts for that space.

Overall, the space would benefit from better space planning, lighting, and improved infrastructure to support contemporary technology. Improved space planning and sustainable initiatives create a healthier environment to stimulate thought and creativity. Display space and signage help establish identity and image. Spatial organization, storage, lighting and wire management promote efficiency and productivity.

# The Center for Detectors

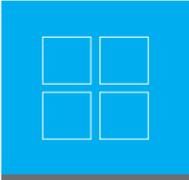
## Interior Design Seniors 2011 Special Projects



The Senior Interior Design students of the Class of 2011 thank the Center for Detectors staff for this opportunity

- Veronica Bassano*
- Emily Bollier*
- Alex Bush*
- Jenna Czudak*
- Ashley Dermody*
- Jacob Eddy*
- Sandi Holman*
- Gordon Hull*
- Jessica Johnson*
- Sarah Kester*
- Alex King*
- Allison LaChance*
- Hayley Lewis*
- Monica Matuszak*
- Concetta Mazzeo*
- Jennifer Mueller*
- Casey O'Neill*
- Chelsea Semelka*
- Vivian Shin*
- Stephanie Webster*
- Josh Zeitler*

*Nancy Chwiecko, Associate Professor, Interior Design*



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|------------------------------|----------------------------|--------------------------------|---------------------------------|
| 1. Josh Zeitler<br>Office    | 6. Bohyun Shin<br>Office   | 11. Jessica Johnson<br>Lab     | 16. Monica Matuszak<br>Lab      |
| 2. Emily Bollier<br>Lab      | 7. Alex Bush<br>Lab        | 12. Jennifer Mueller<br>Office | 17. Jenna Czudak<br>Lab         |
| 3. Concetta Mazzeo<br>Office | 8. Alex King<br>Office     | 13. Hayley Lewis<br>Office     | 18. Stephanie Webster<br>Office |
| 4. Jacob Eddy<br>Lab         | 9. Veronica Bassano<br>Lab | 14. Allison LaChance<br>Office | 19. Ashley Dermody<br>Office    |
| 5. Chelsea Semelka<br>Office | 10. Sarah Kester<br>Lab    | 15. Casey O'Neill<br>Office    |                                 |

## The Center for Detectors



*1-10 Presenters May 12, 2011*

# Center for Detectors

at RIT

Josh Zeitler

Special Projects: Senior Year 2010 / 2011

Center for Detectors at RIT - Office

## Problems

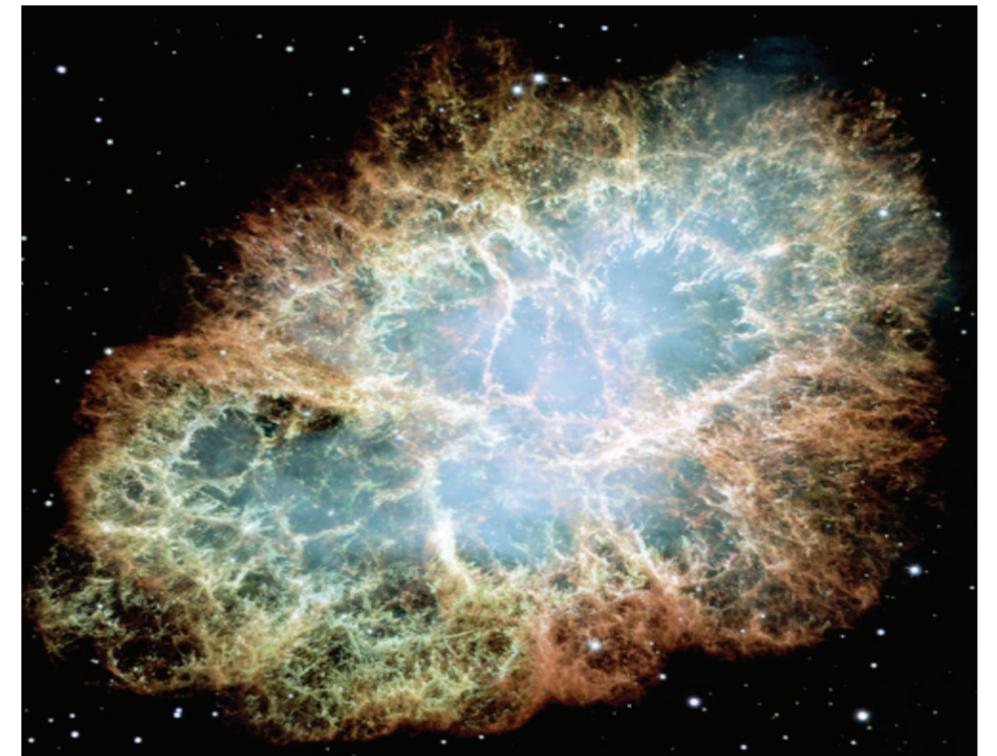
- large office systems are underused and create cramped work space.
- natural lighting conditions are poor due to high partition walls.
- no proper space to display works and achievements
- no proper meeting space
- the space doesn't stand out
- noise control

## Solutions

- create an identity for the department
- open up the space for more movement and interaction.
- provide proper meeting and work areas
- address natural lighting issues
- provide a more productive work environment
- reduce noise in current space between offices

# Center for Detectors

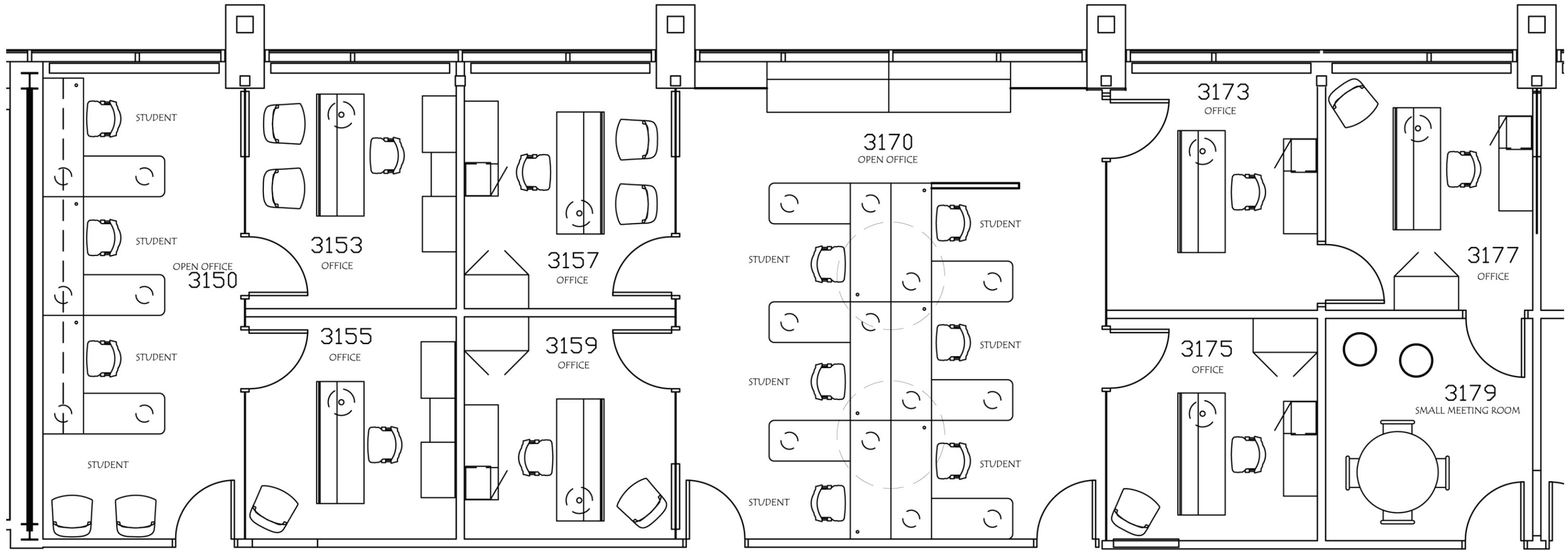
Productive  
Open  
Modern  
Peaceful  
Energy  
Camera  
Atomic  
Space  
Professional



# Inspiration Images / Words

Josh Zeitler  
Special Projects: Senior Year 2010 / 2011  
Center for Detectors at RIT - Office

# Center for Detectors



Design 1 - Floor Plan

# Design 1 - Existing Plan

Josh Zeitler  
Special Projects: Senior Year 2010 / 2011  
Center for Detectors at RIT - Office

# Center for Detectors



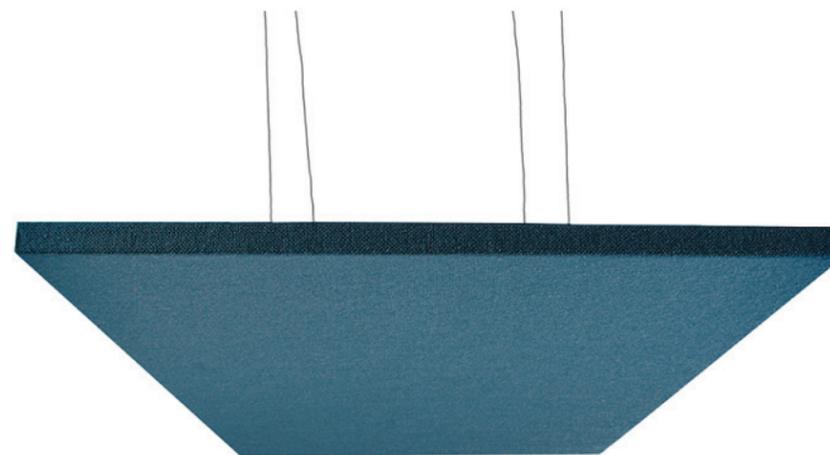
Open Office Workstations



Private Office



Wooden Blinds



Acoustic Ceiling Clouds

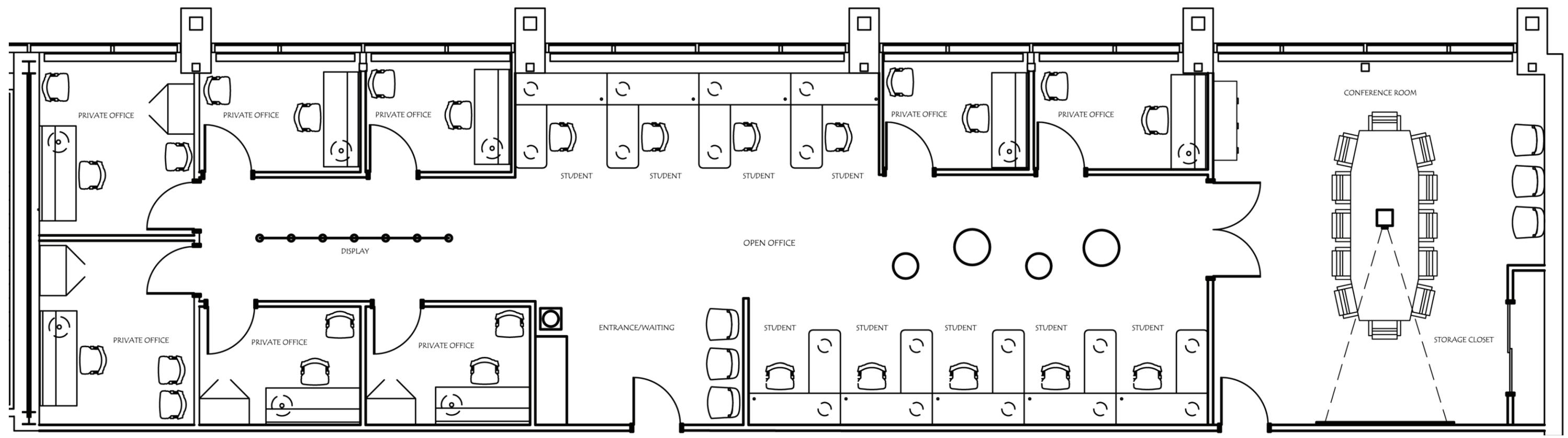


White Boards

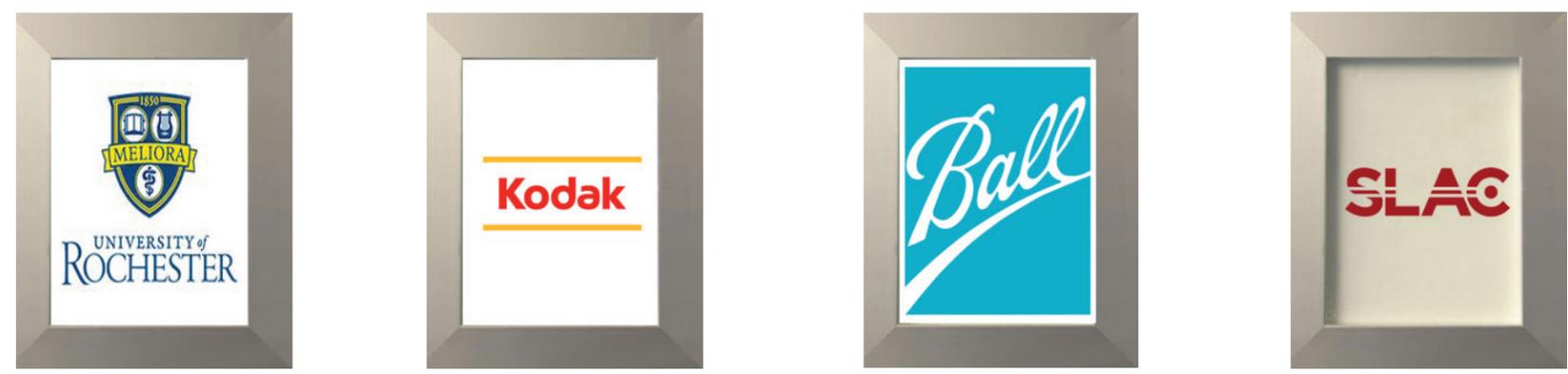
## Design 1 - Existing Plan Renderings

Josh Zeitler  
Special Projects: Senior Year 2010 / 2011  
Center for Detectors at RIT - Office

# Center for Detectors



Design 2 - Proposed Office Remodel



Stainless Steel Frames with Partners Logos (Displayed in Waiting)

Waiting Rendering



# Design 2 - Remodel

Josh Zeitler  
Special Projects: Senior Year 2010 / 2011  
Center for Detectors at RIT - Office

# Center for Detectors



Typical Open Office Workstation



Open Office



Typical Private Office



Corridor Seating



Conference Room

## Design 2 - Remodel Renderings

Josh Zeitler  
Special Projects: Senior Year 2010 / 2011  
Center for Detectors at RIT - Office

# Center for Detectors



Coalesse Topo System - Open Offices  
(Both Design 1 & 2)



Coalesse Bindu Guest Seating  
(Both Design 1 & 2)



Conference Room Table (Design 2)  
Coalesse e-Table



Herman Miller Ball Chair  
(Design 2)



Bar Seating for Corridor  
(Both Design 1 & 2)



Coalesse Topo System - Private Offices  
(Both Design 1 & 2)



Coalesse Topo System - Open Offices  
(Both Design 1 & 2)



Coalesse Bix Seating (Design 1 Under Window)

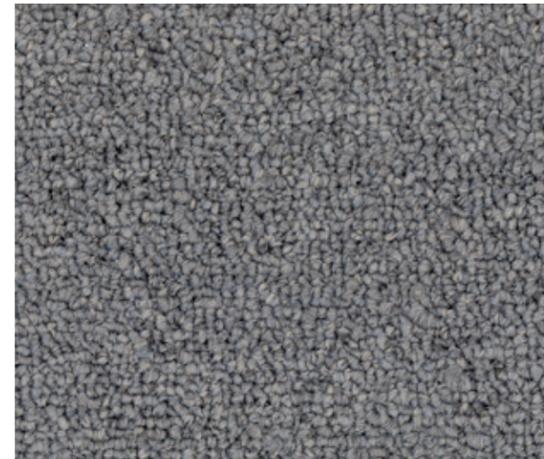
# Office Systems Furnishings

Josh Zeitler  
Special Projects: Senior Year 2010 / 2011  
Center for Detectors at RIT - Office

# Center for Detectors



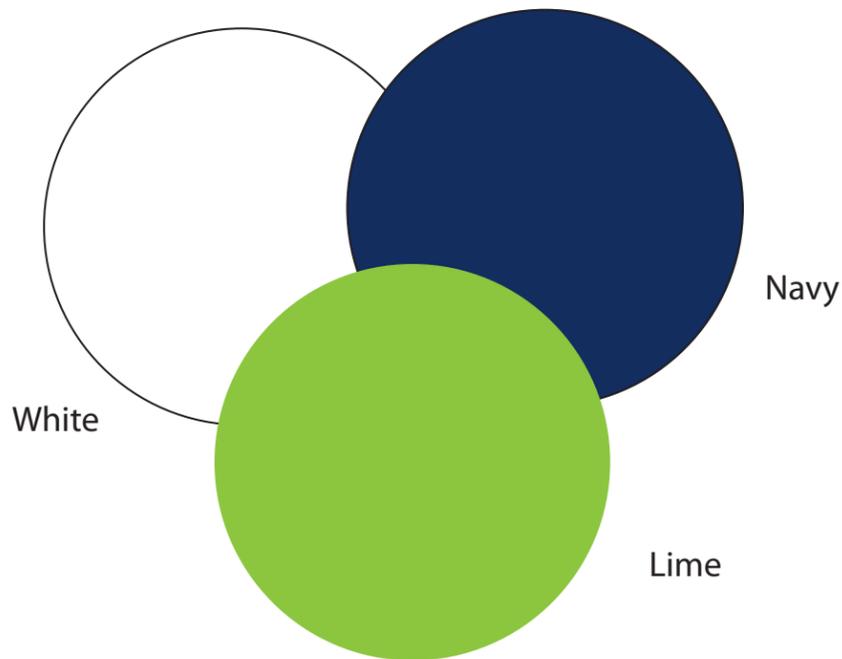
Benjamin Moore  
Natura Paint (Eggshell Finish)



Grey Carpet Tiles



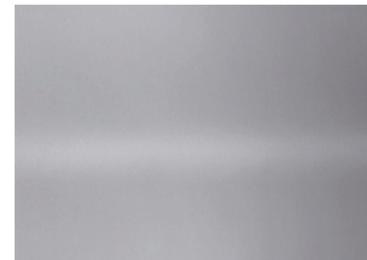
Green Leather Upholstery



COLOR PALLET  
Navy & Lime as Accent Colors



Oak



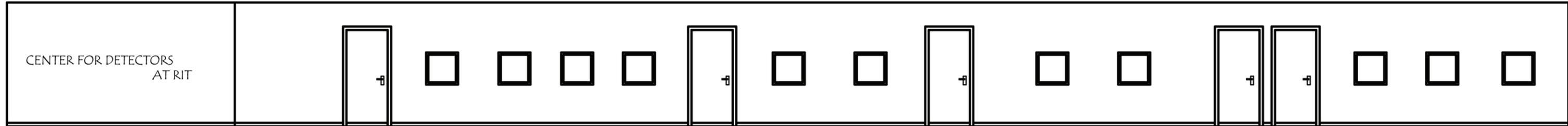
Stainless Steel



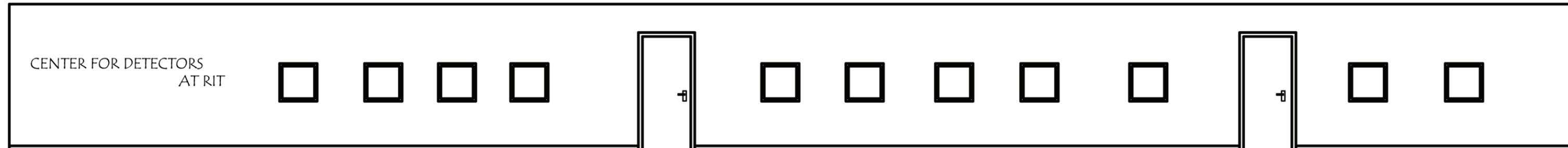
Textured Glass For Privacy (Design 2 Only)

# Materials & Finishes

# Center for Detectors



Design 1 - Existing



Design 2 - Remodel



LED Backlight Signage  
"Center for Detectors at RIT"



Stainless Art Frames



# Corridor (Design 1 & 2)

# Center for Detectors

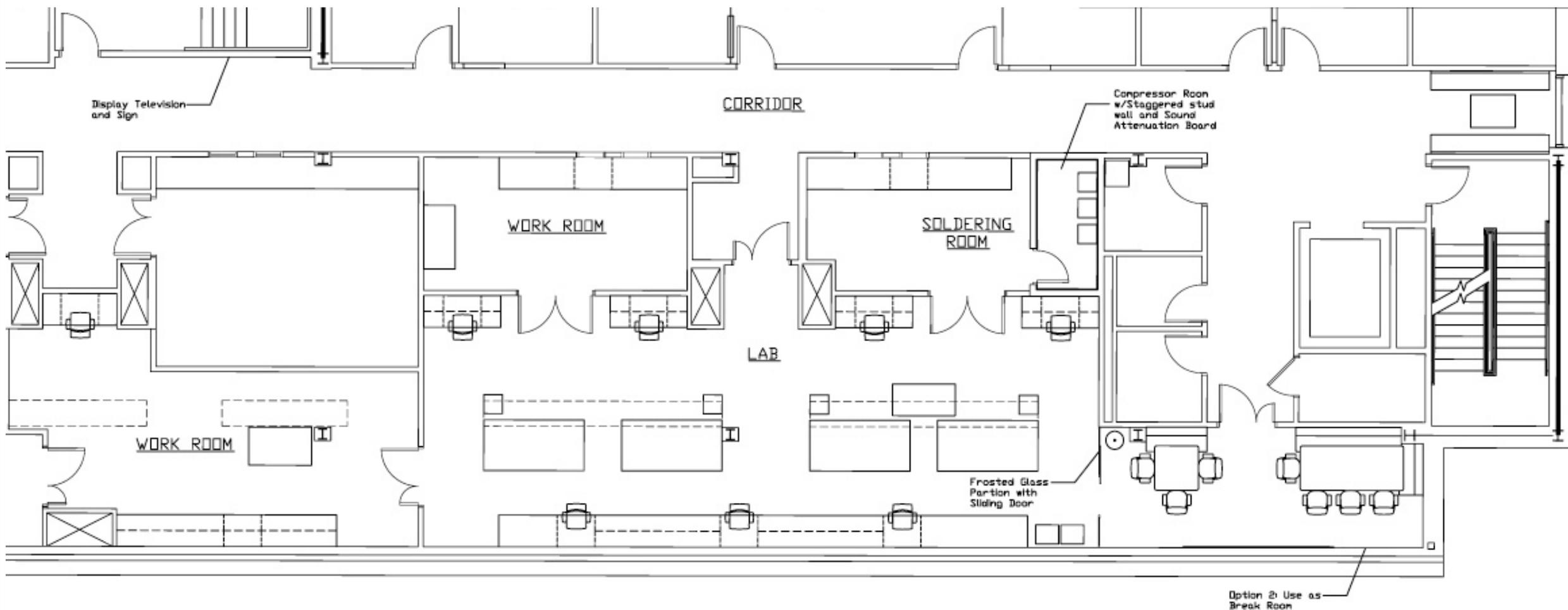
**Emily Bollier**

# Objectives:



- Provide open and flexible storage
- Address wiring issues
- Create a more visually appealing environment
- Better views for visitors into the lab space
- Provide display areas to showcase projects in the corridors
- Use spaces more efficiently to maximize lab productivity

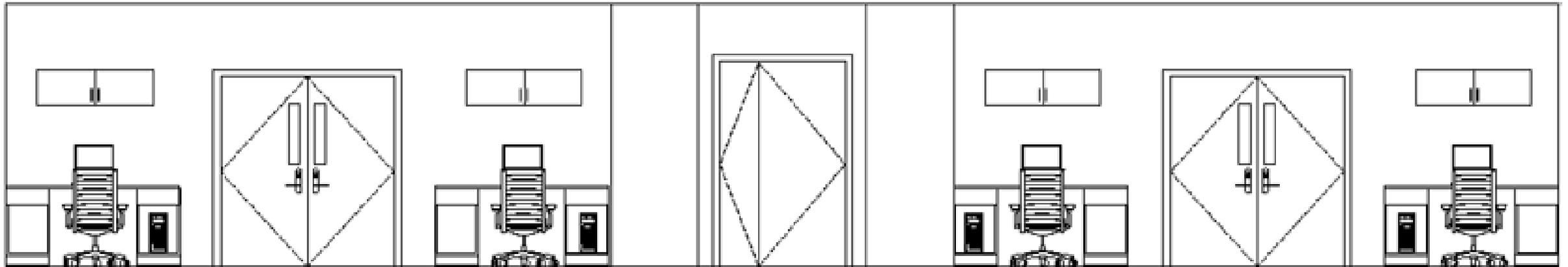
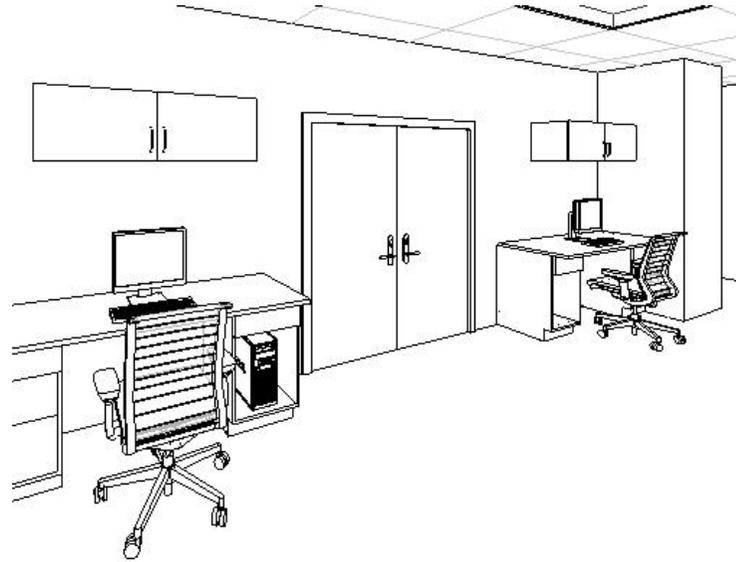
# Floor Plan Option 1



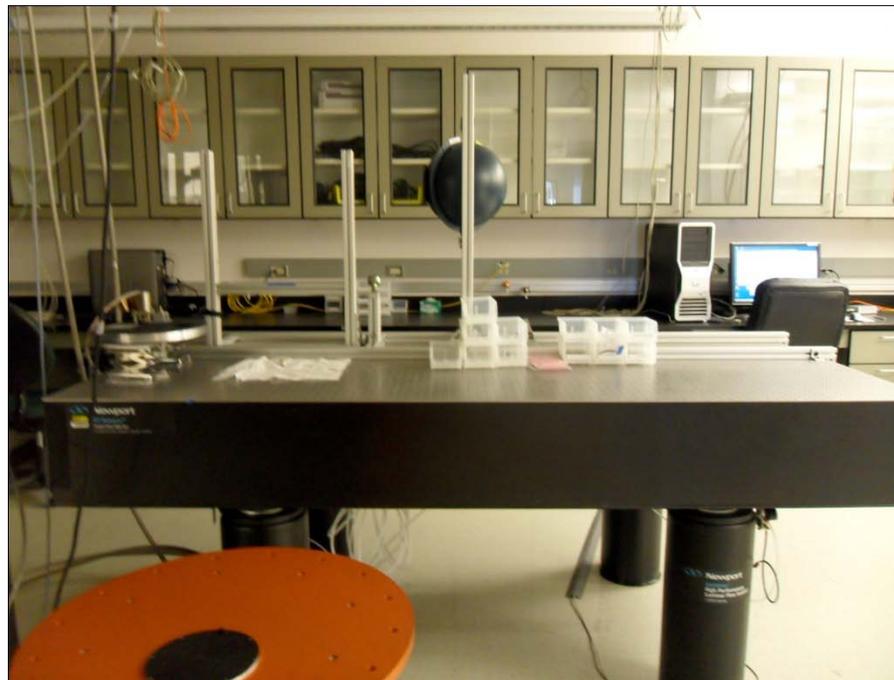
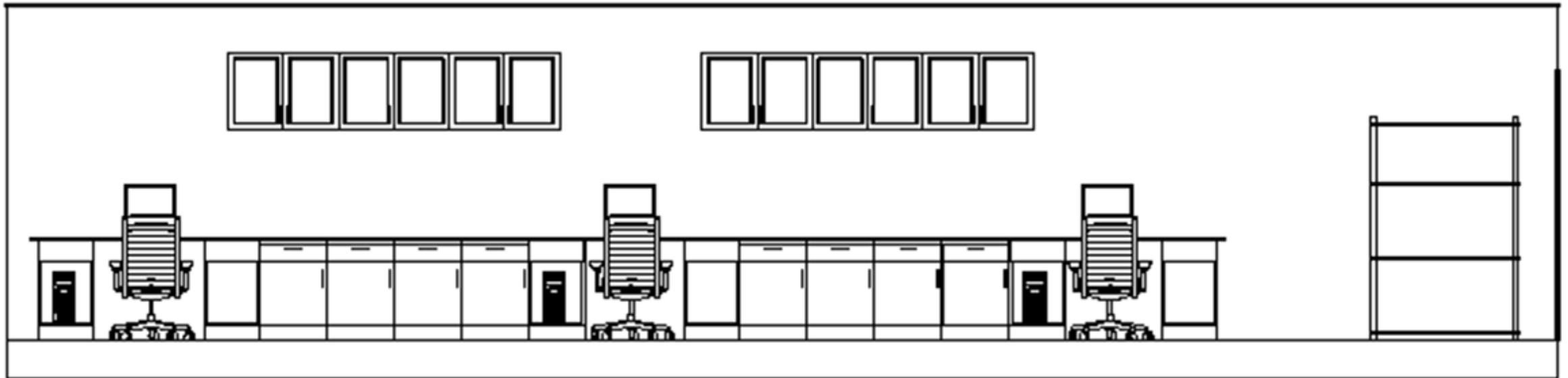
## Changes:

- Removal of multiple upper cabinets - replacing with open shelves, and providing storage racks at each station
- Remove glass in windows from hall, turn into display cases
- Split the conference room seating
- Add dividing wall between Conference room
- Replace projector screen with white board

# Interior Elevations



# Interior Elevations

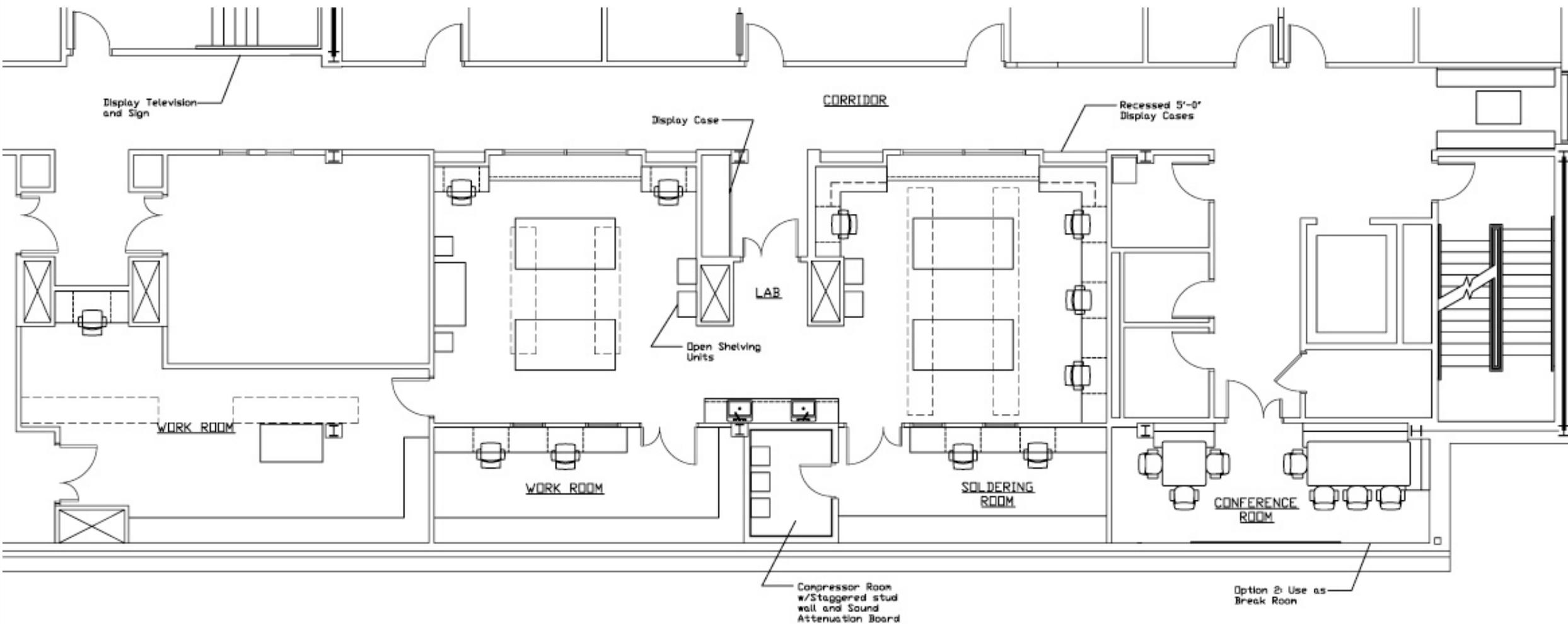


# Conference Room



**Addition of frosted glass dividing partition with door  
between the Conference Room and Lab**

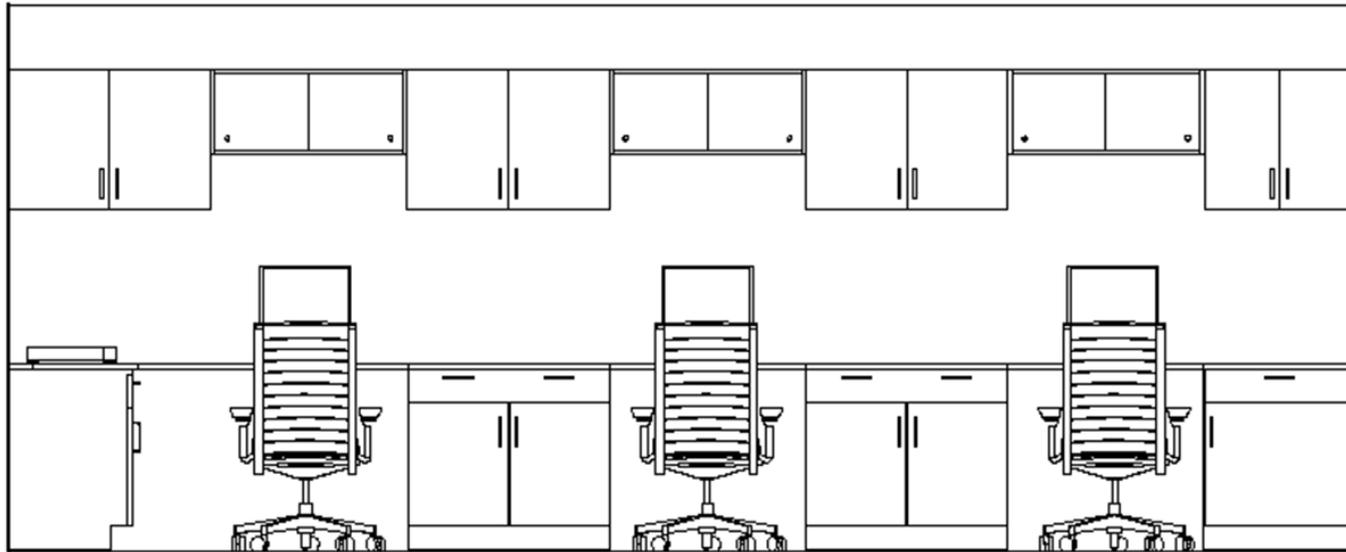
# Floor Plan Option 2



## Changes:

- Provide more added interest for visitors
- Add more flexible, moveable and open storage
- Organization of cords and electronics
- Separate Conference Room from lab – double as break room
- Insulate compressors

# Interior Elevations



Workstations in the lab  
with upper and lower  
cabinet storage – sliding  
glass panels above

Right Side of Lab

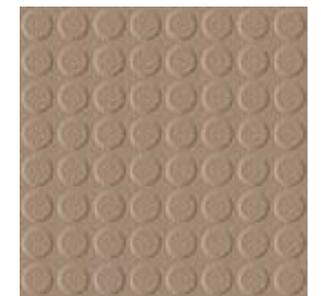
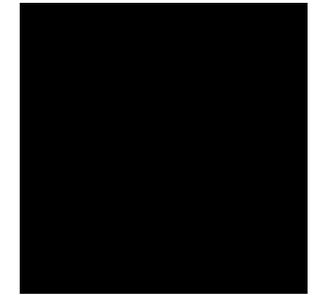
Open storage on  
either side of the  
desk for computer  
equipment



# Lab – Left Side View 1



# Lab – Left Side View 2



# Lab – Right Side



# Conference Room



# Corridor



- Addition of two large windows looking into the lab



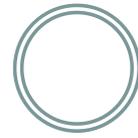
# Center For Detectors (CFD) Office Area



**SPECIAL PROJECTS  
SPRING 2011**

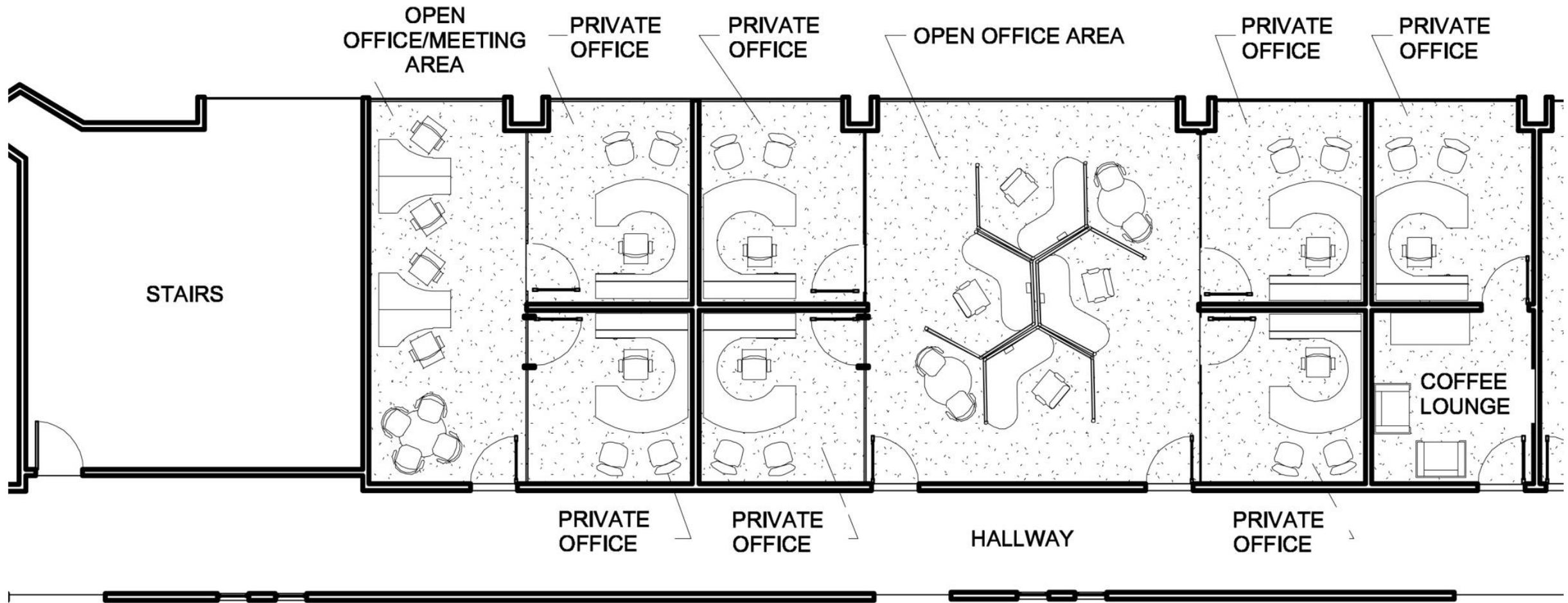
**CONCETTA MAZZEO**

# Main Objectives



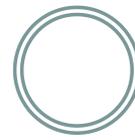
- To create a well organized working environment.
- To improve space planning.
- To improve the working environment with new materials and finishes.
- To create wayfinding, providing entry signage on both the walls and the ceiling.
- Improve privacy within the private offices by including a unique frosted glass pattern on each of the glass walls.
- To create displays of past work for visual interest and for visitors to have a better understanding of what the CFD produce.

# Part One – Floor Plan



Floor Plan without Removing Walls

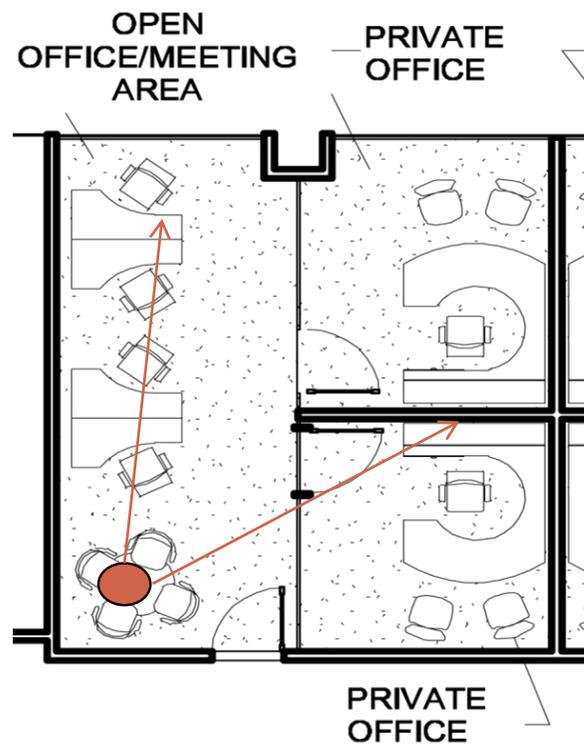
# Part One – Perspective Views



Before



After



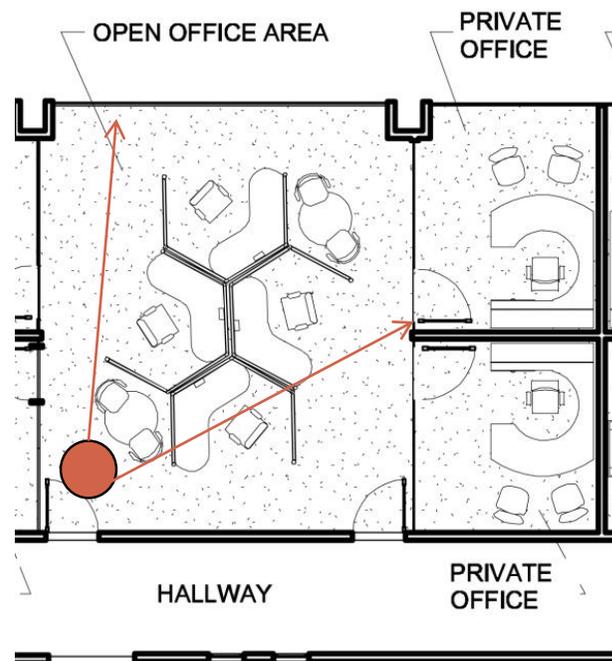
Open Office/Meeting Area & Two Private Offices

# Perspective Views Continued



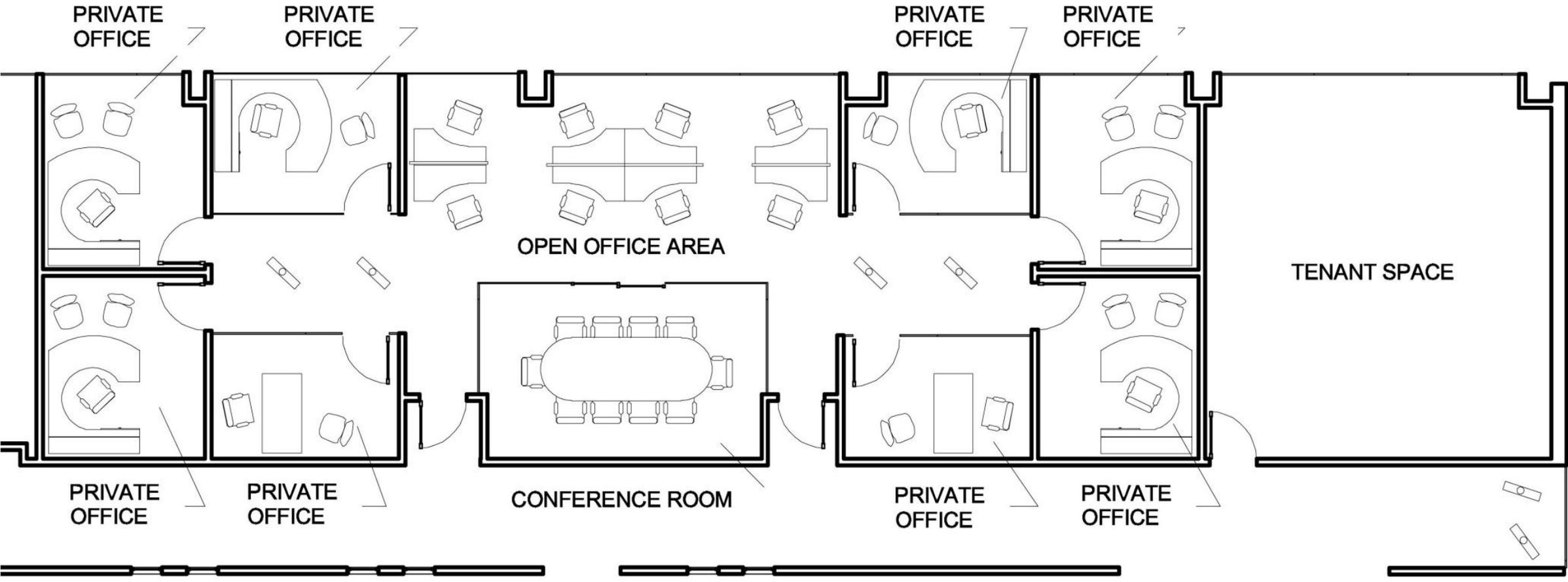
← Before

After ↓



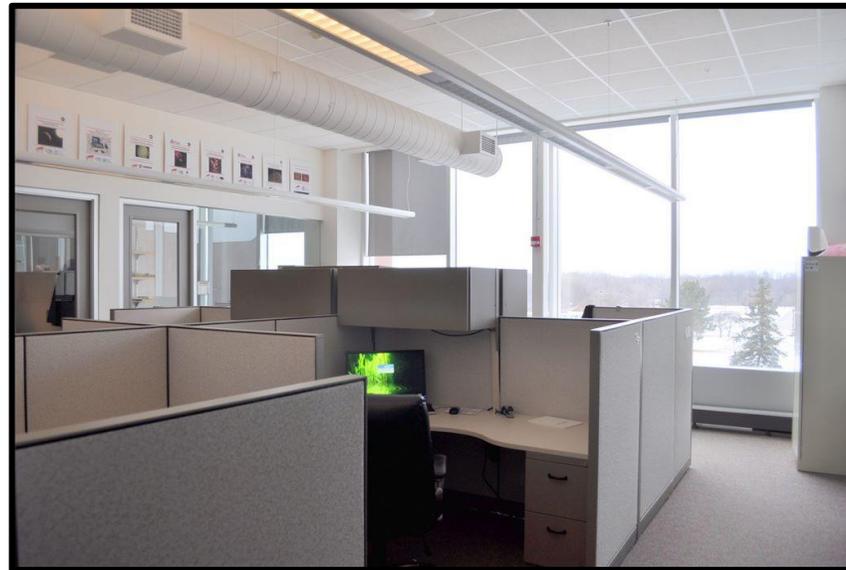
Open Office Area

# Part Two – Floor Plan



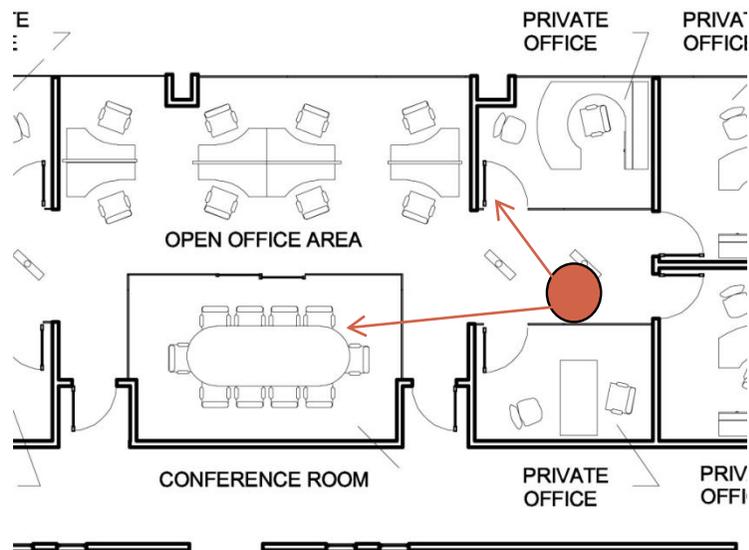
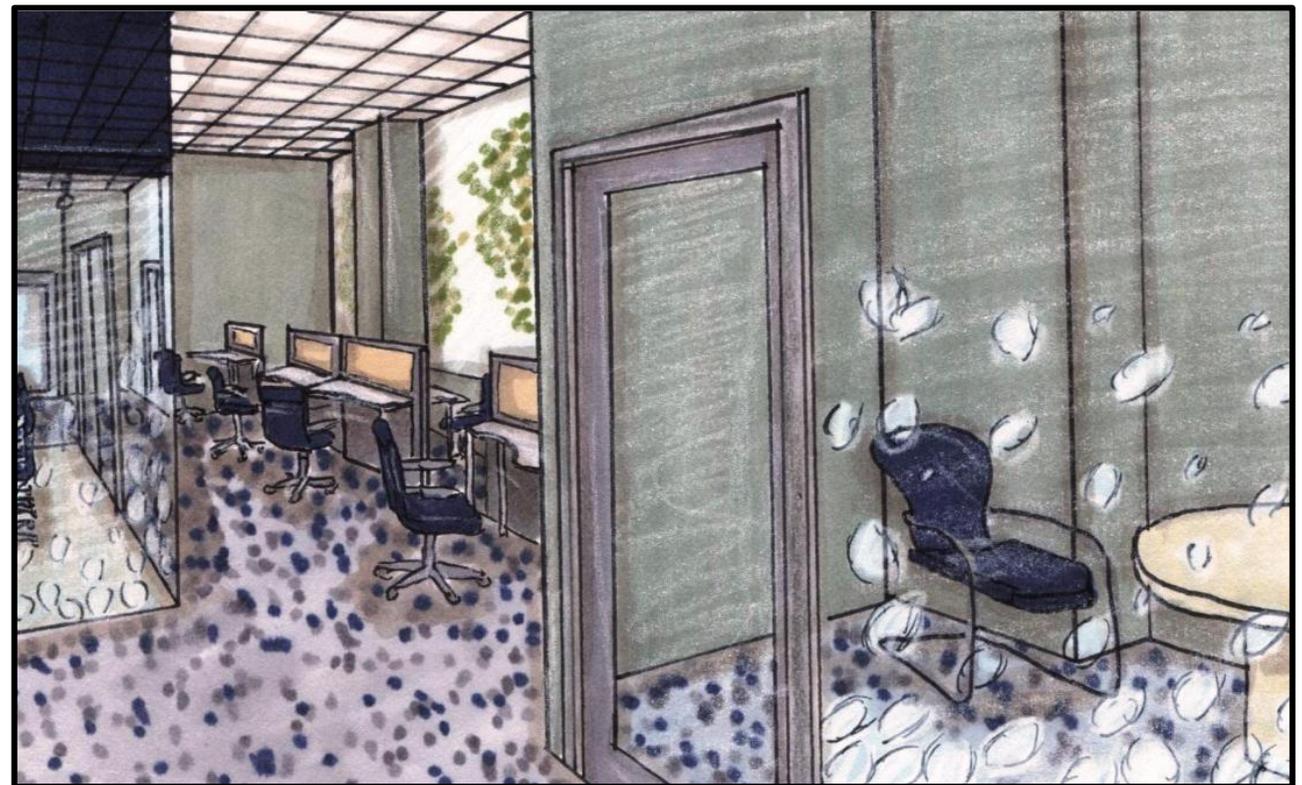
Floor Plan with Wall Removal

# Part Two - Perspective Views



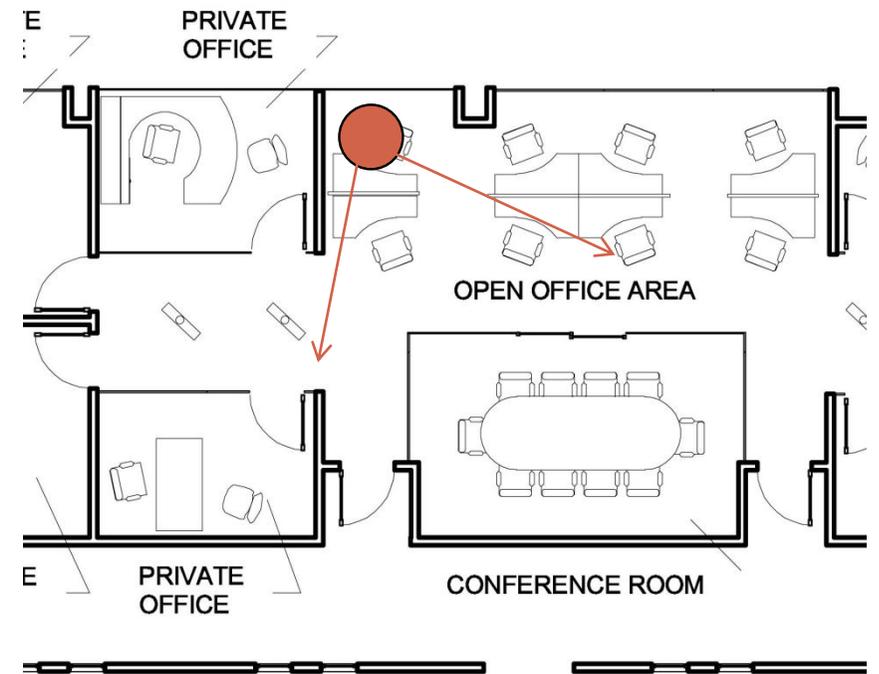
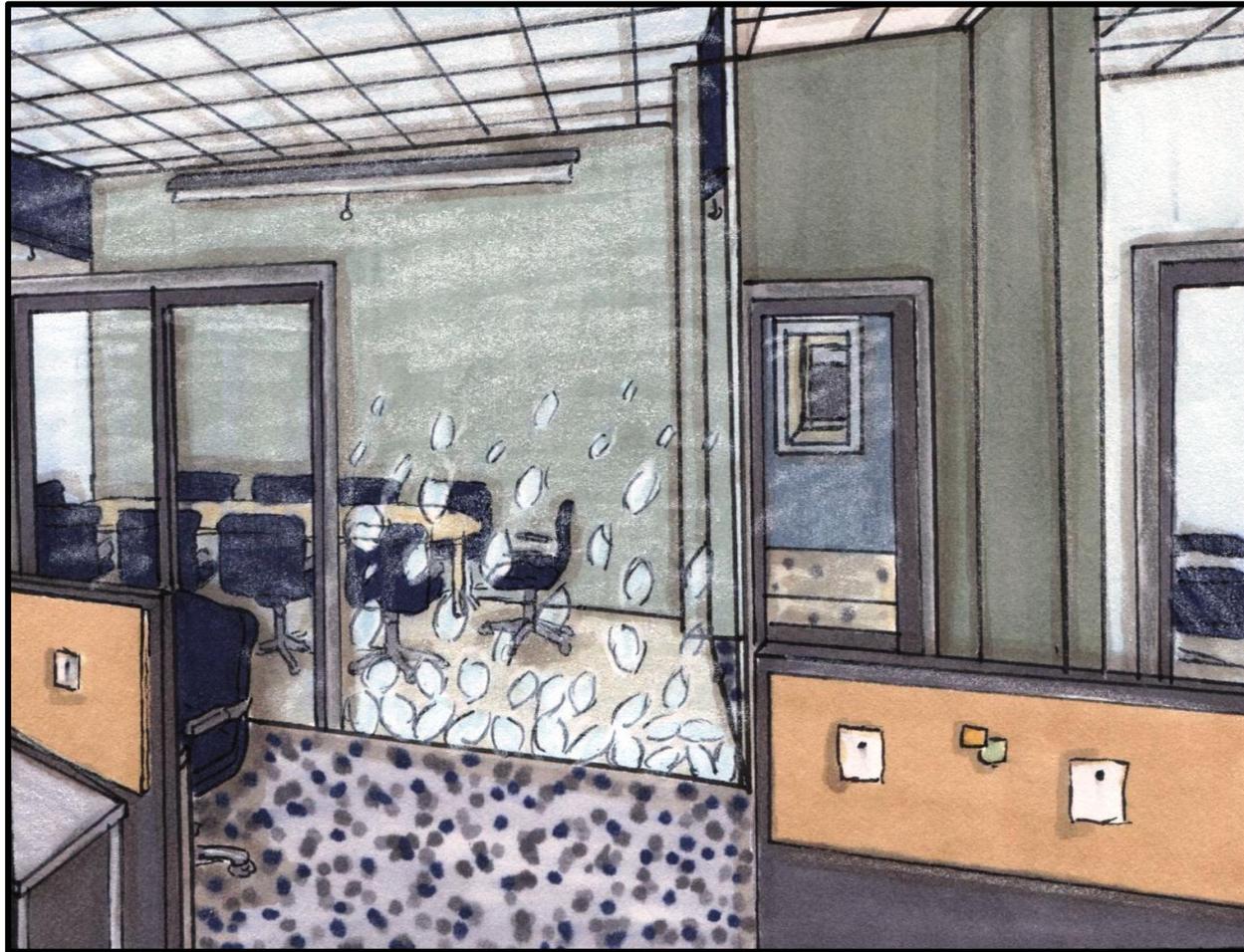
Before

After



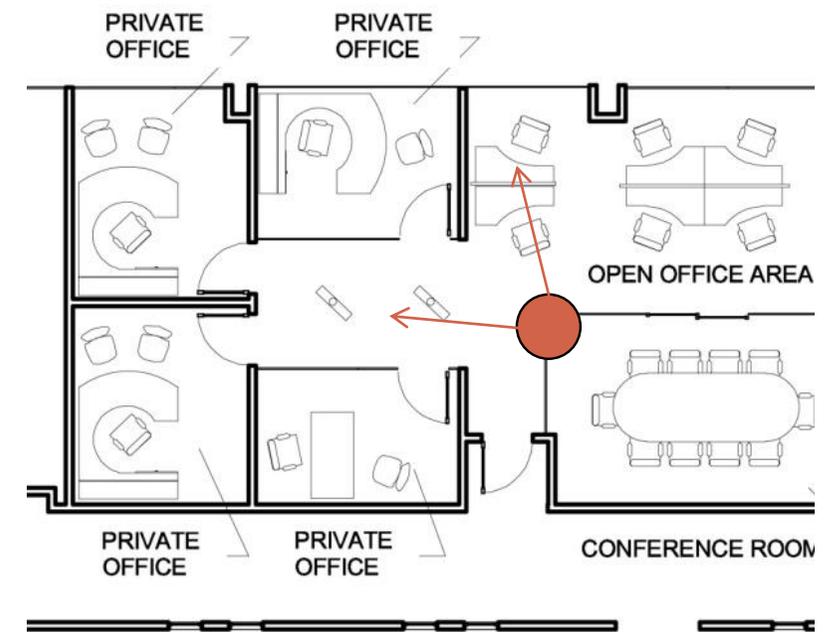
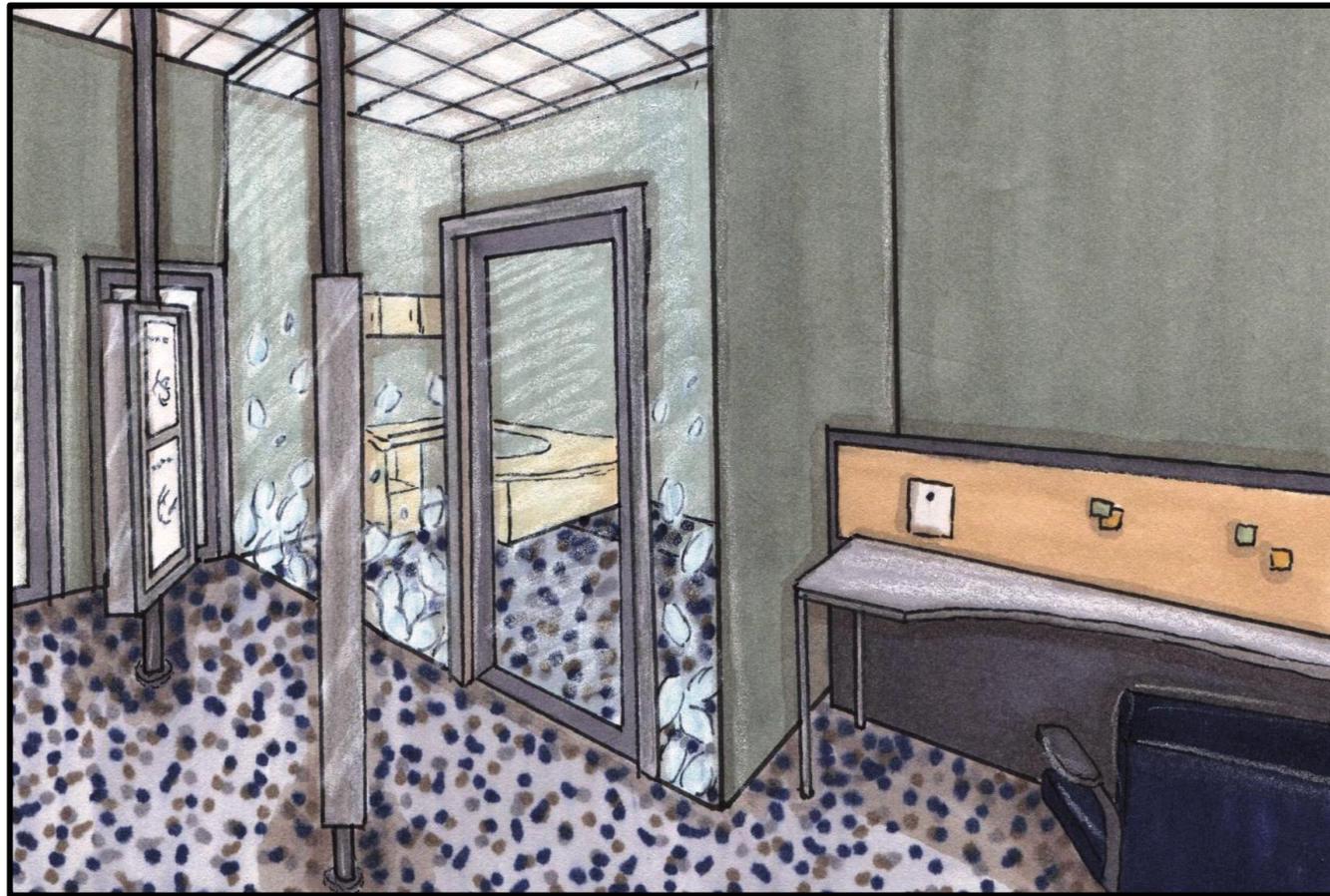
Private Office Hallway & Open Office Area

# Perspective Views Continued



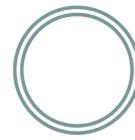
Open Office & Conference Room Area

# Perspective Views Continued



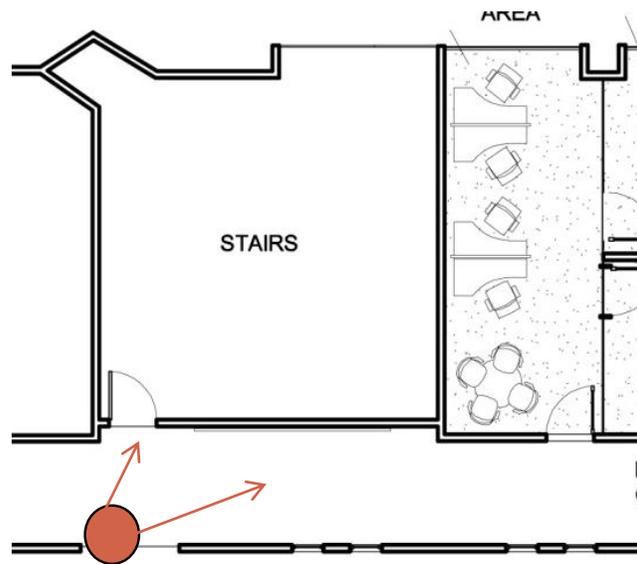
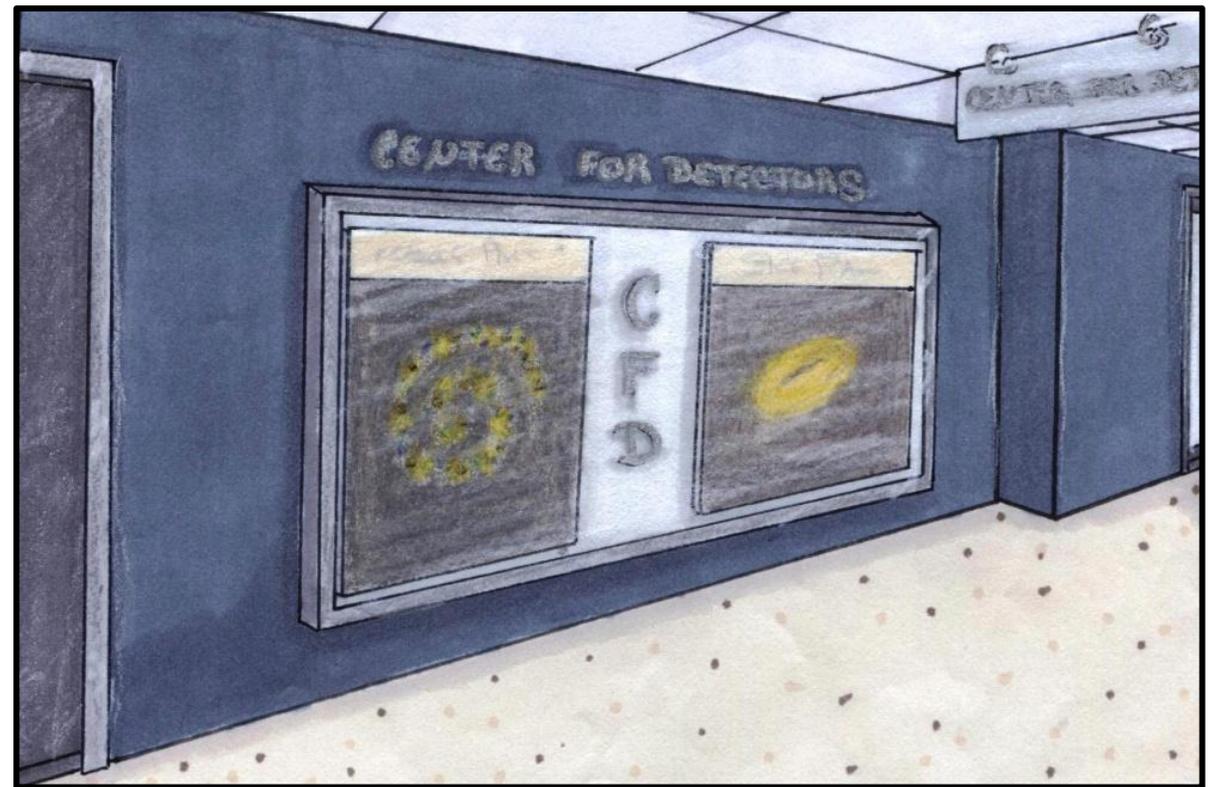
Hallway to Private Offices with Swivel Display Cases

# Hallway Displays for Both Floor Plans



← Before

↓ After



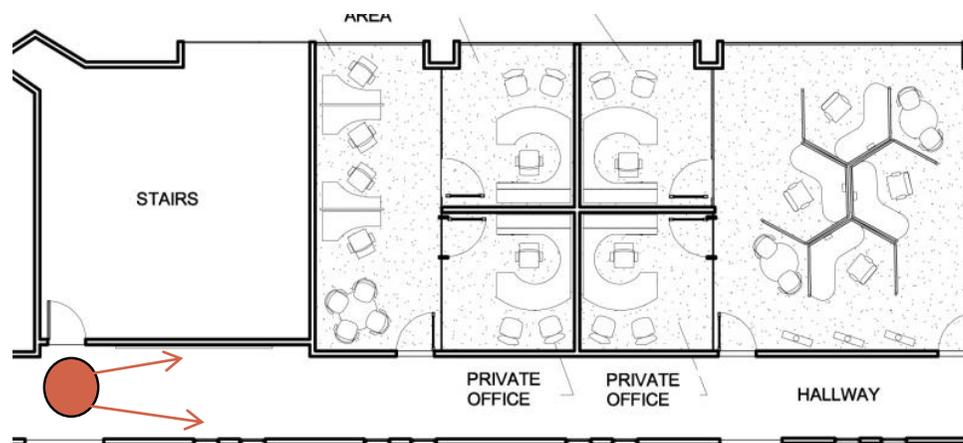
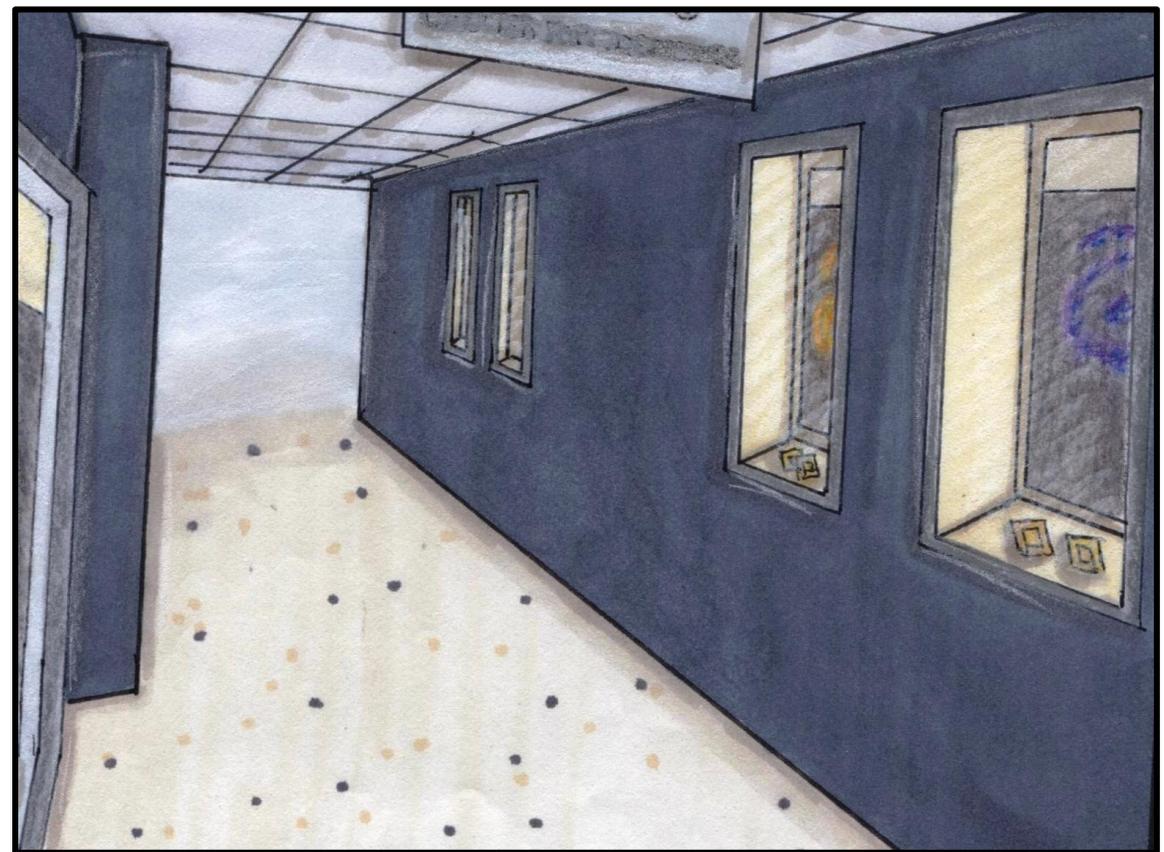
Entry of Hallway Display Case

# Hallway Displays Continued



← Before

↓ After



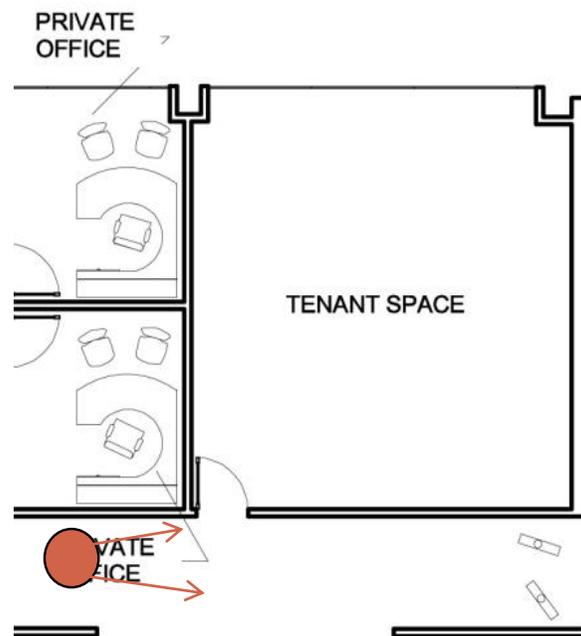
Hallway Display Cases

# Hallway Displays Continued



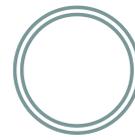
← Before

↓ After



End of Hallway Swivel Display Cases

# Office Furniture Selections



Steelcase - Convene



Steelcase - Context



Steelcase - Arbor



Steelcase – Protégé Chairs

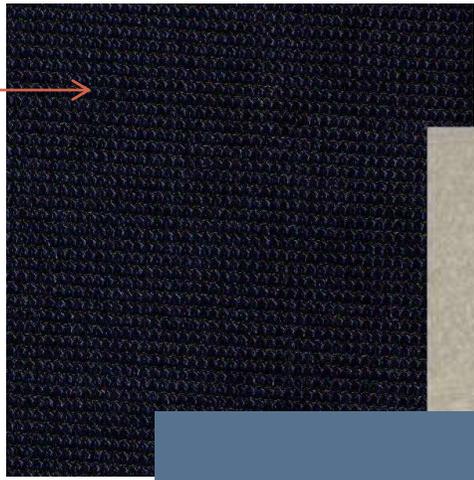


Herman Miller - Resolve

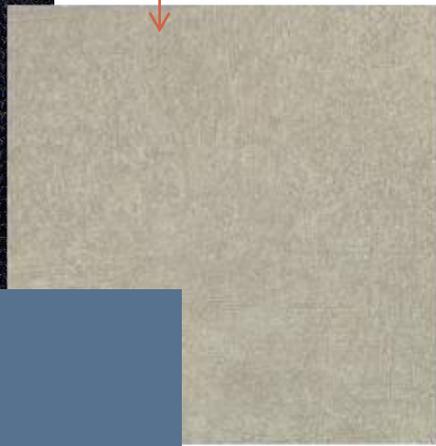
# Material & Finish Selection



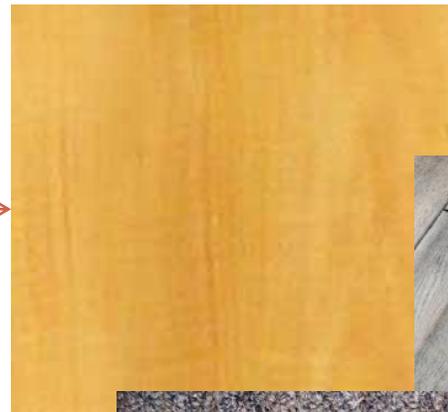
Upholstery



Laminate Surface

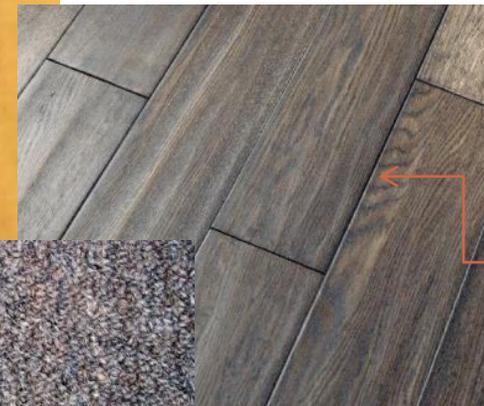
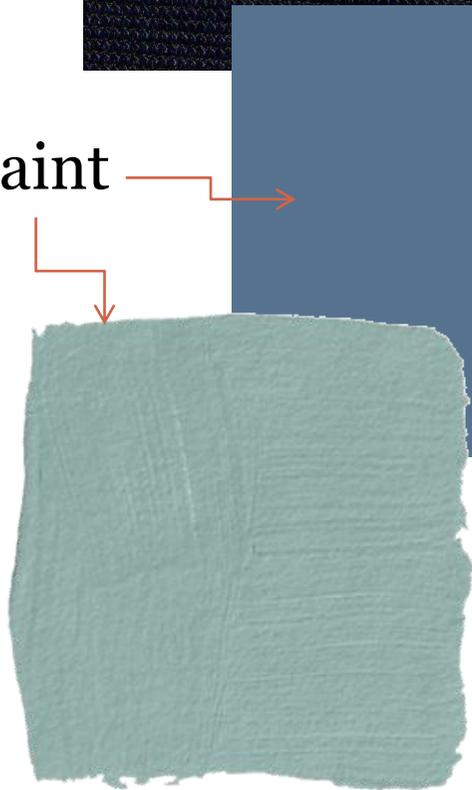


Wood Surface



Metal for Signage

Paint



Wood



Frosted Glass Pattern



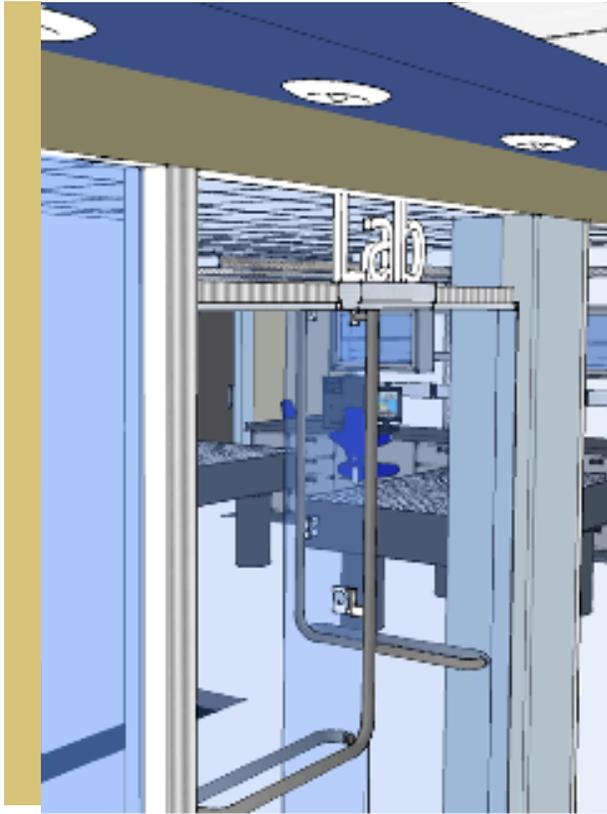
Carpet



Laminate

Flooring



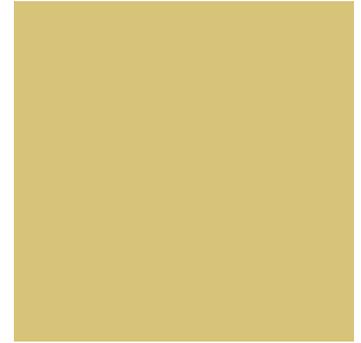


# Special Project

**Center for Detectors – Laboratory**

Jacob Eddy

# Center for Detectors Lab Space Needs,

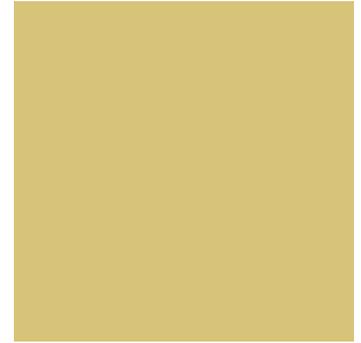


- 3 Separate Area
  - Dark Room
  - Compressor System
  - Assembly Area
- Existing Counters
- Existing Cabinets/Drawers
- Nearby area with sinks

# Center for Detectors Lab

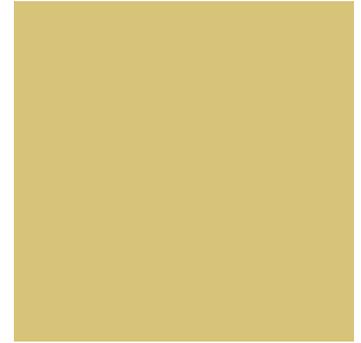
## Objective

- Organize
- Functional
- Effective Solution
- Improve Flow



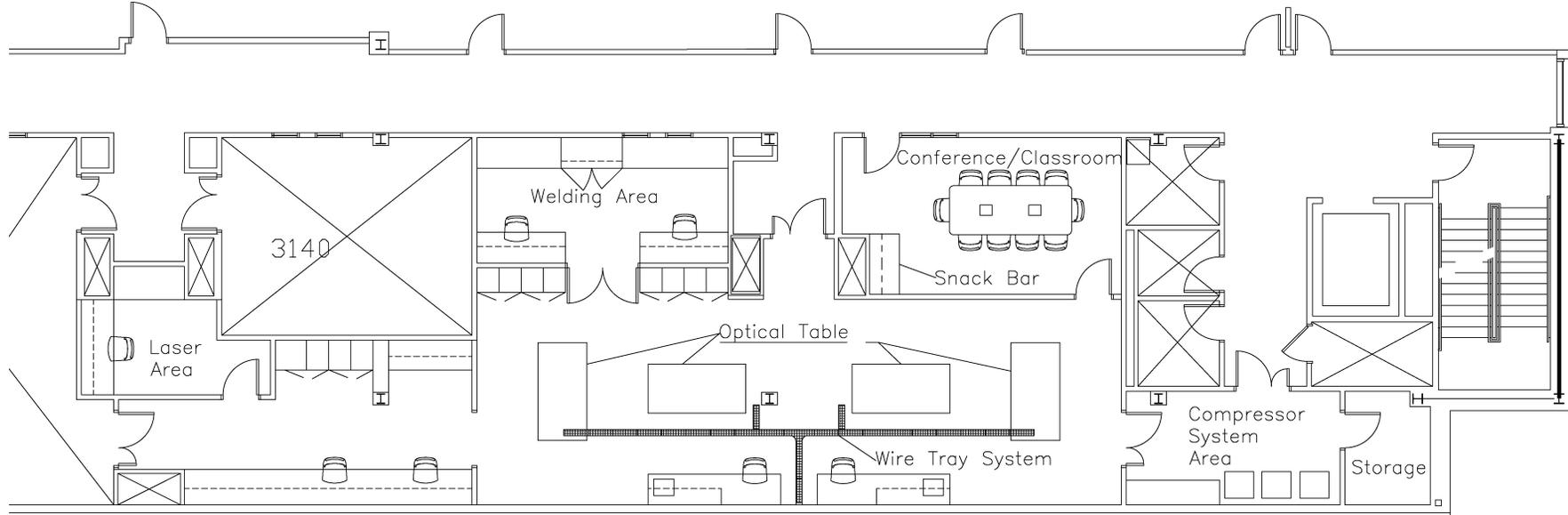
# Problem Solving

- Needs to provide more space
- Needs extra optical tables
- Organizing the spaces and technology system
- Needs better environments for staffs and students
- Fun, useable place



# First Option – Floor Plan

- Limitation of walls changing

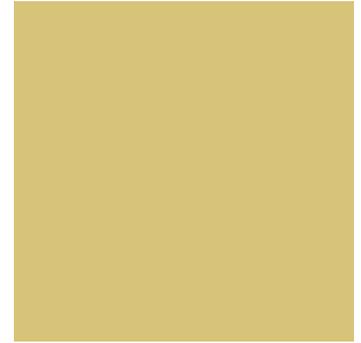


**Extra** two walls/Doors in Laser Area & Compressor System Area

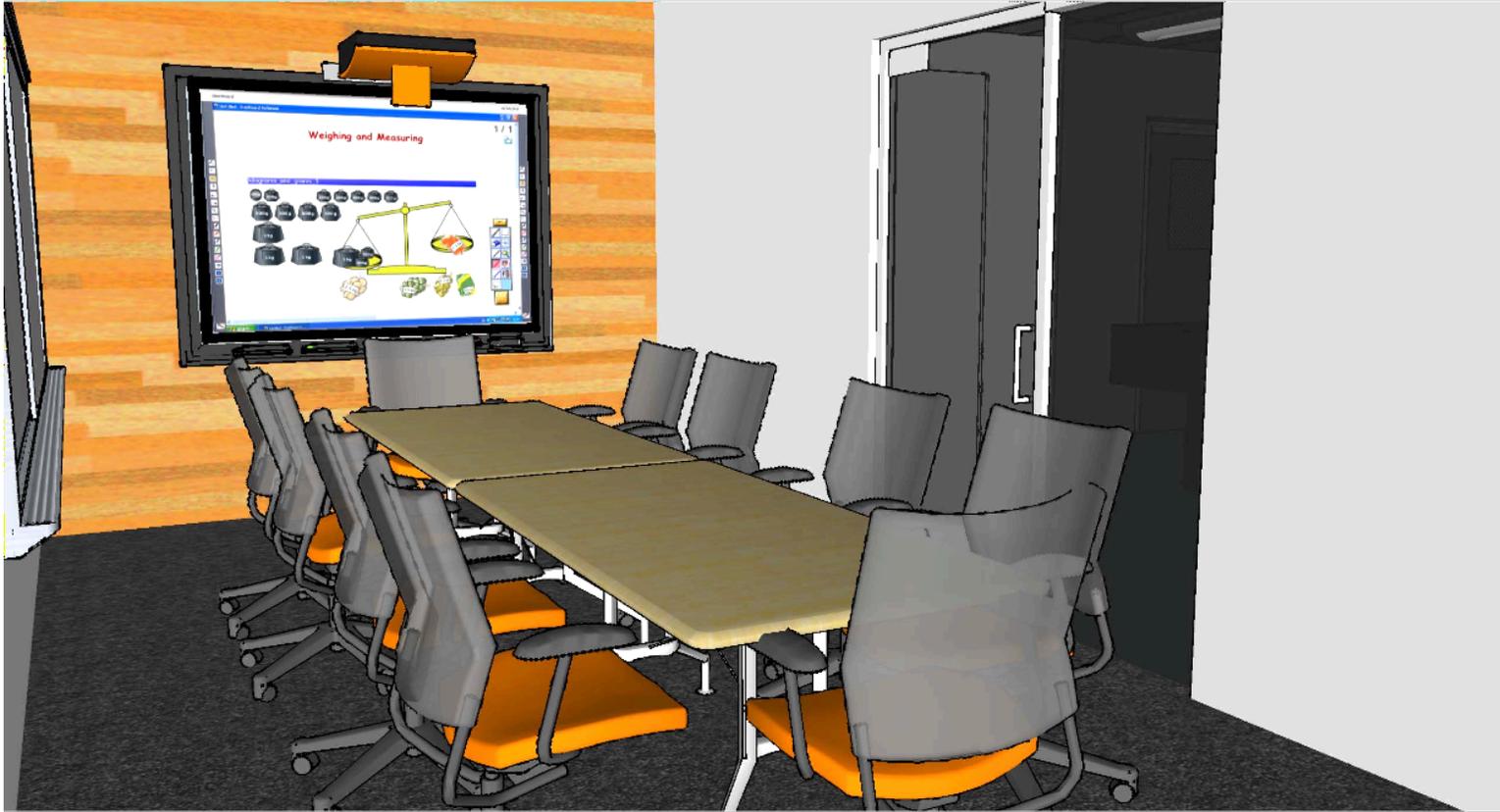
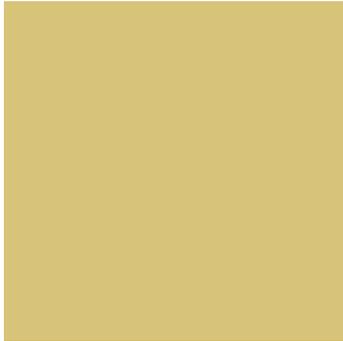
**Extra** optical table- 5ft. Surrounding each optical table to give extra area for carts to deliver/ carry the objects

Wire Tray systems are install to improve with organizing wires

# Option One Rendering- Laboratory

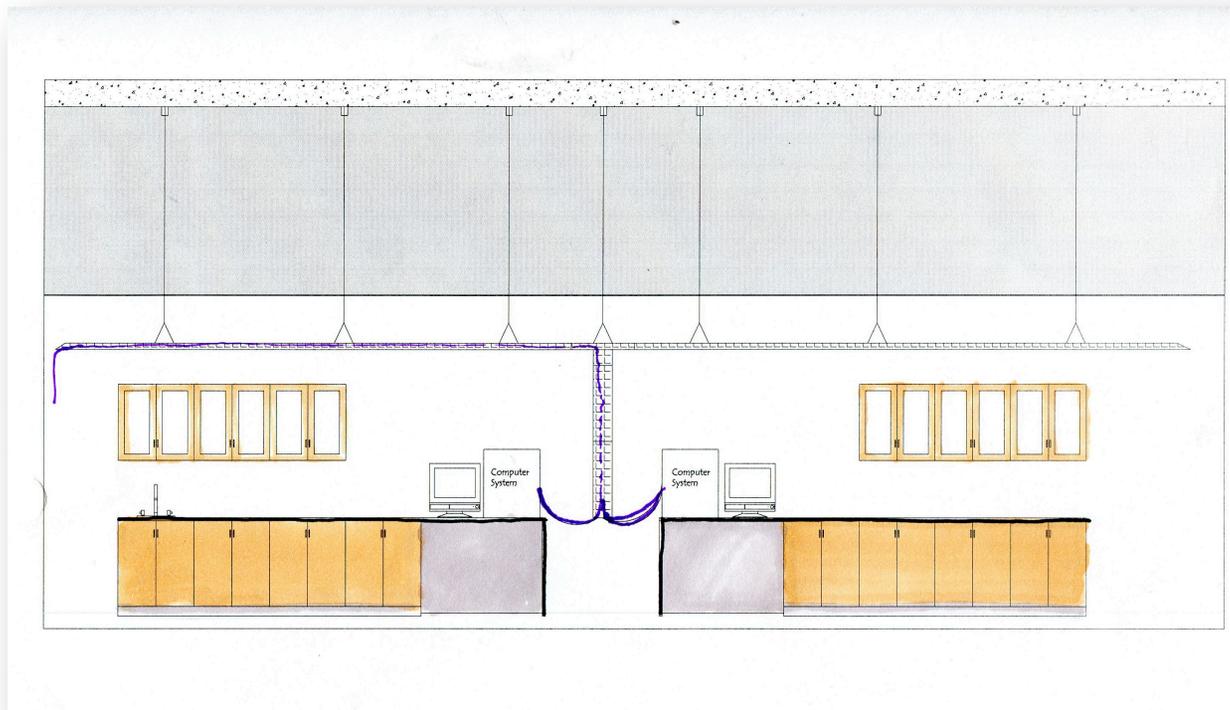


# Option One Rendering- Conference



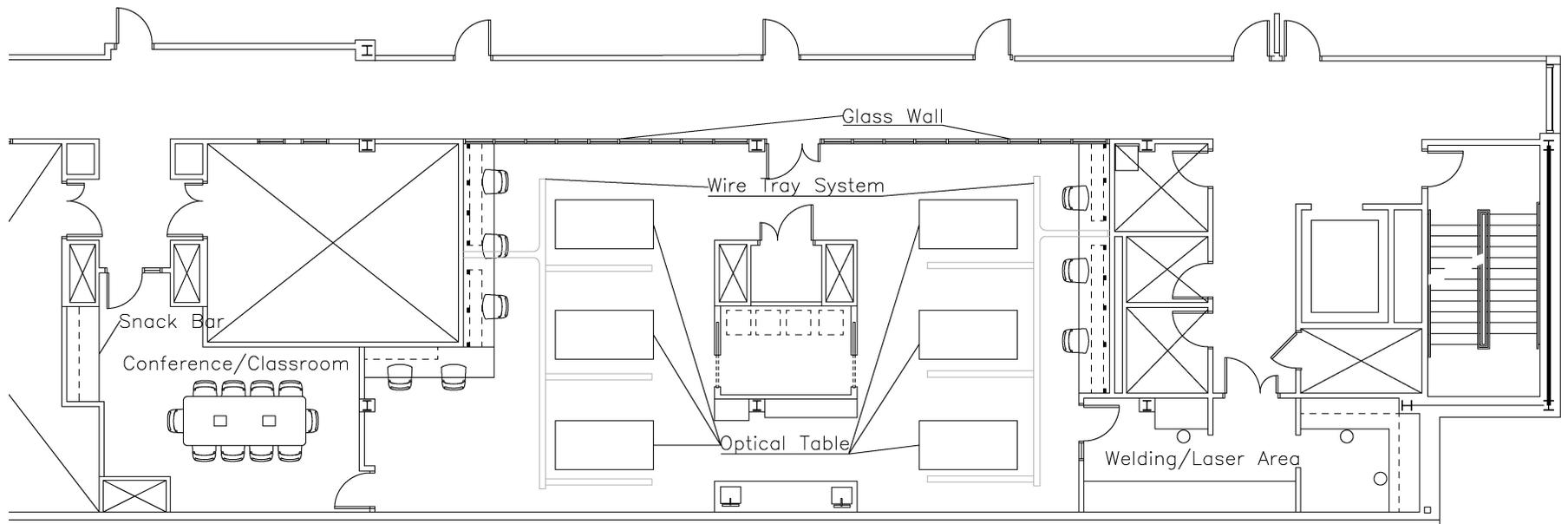
# Sketches

- First Option Sketches



# Second Option- Floor Plan

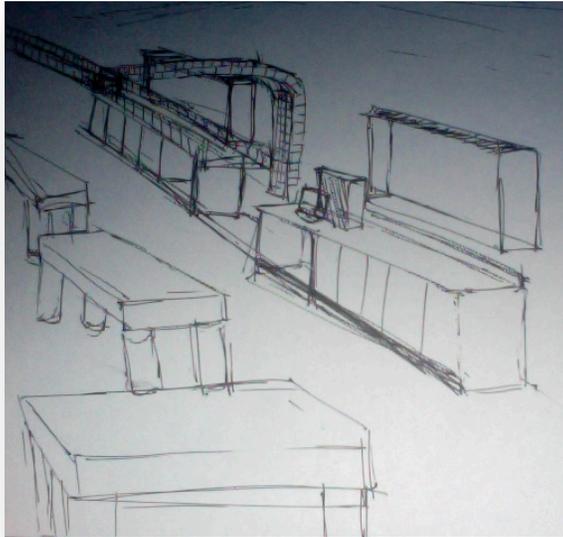
- unlimited of wall changing



Extra Optical tables, Extra Wire Tray System, Install Glass Walls,  
Improve Flow, Bigger spaces , **fun functional place**

# Sketches

- Second Option Sketches



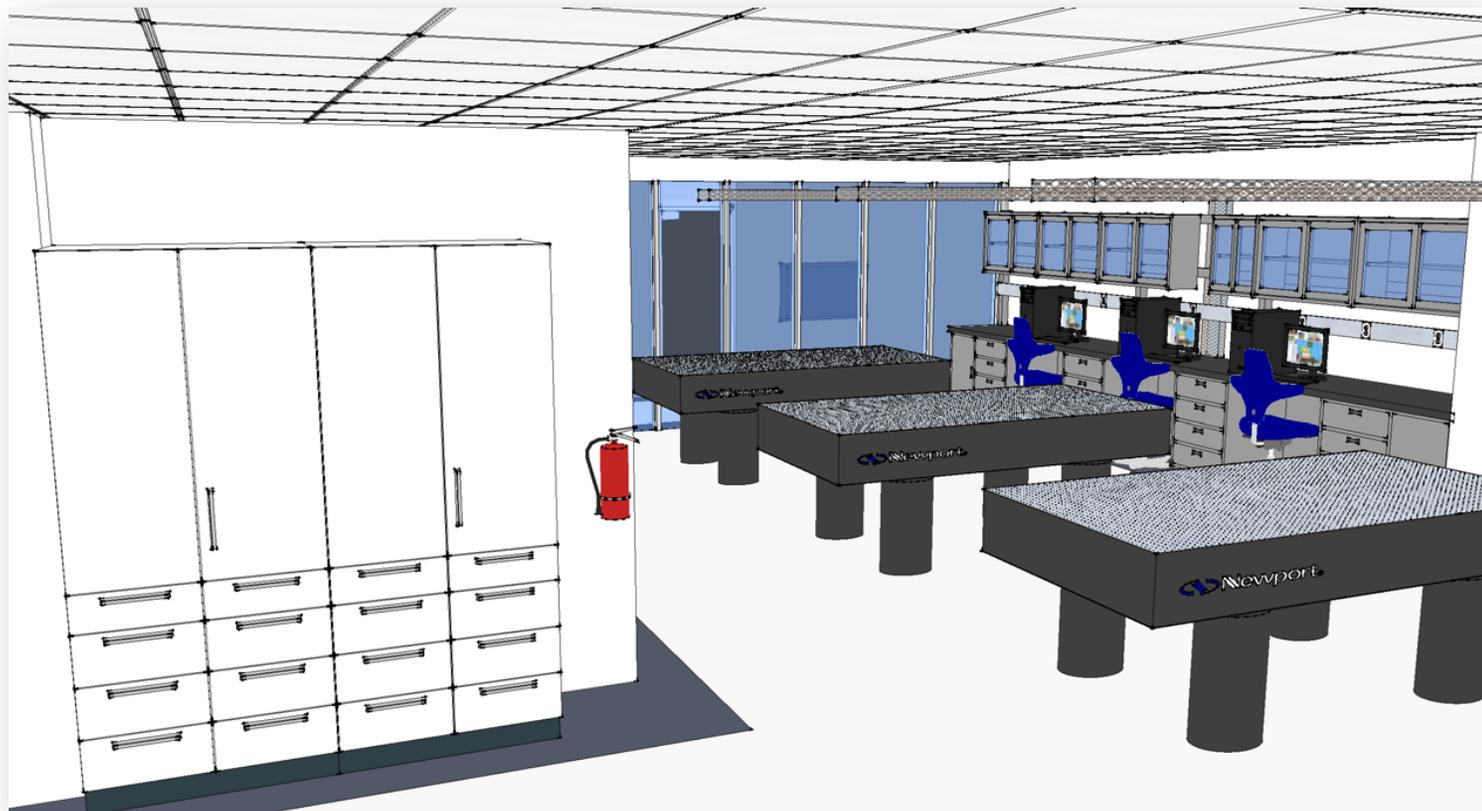
# Second Option Rendering

- Laboratory

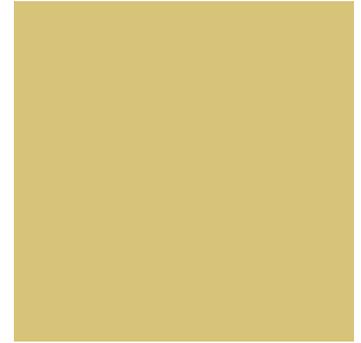


# Second Option Rendering

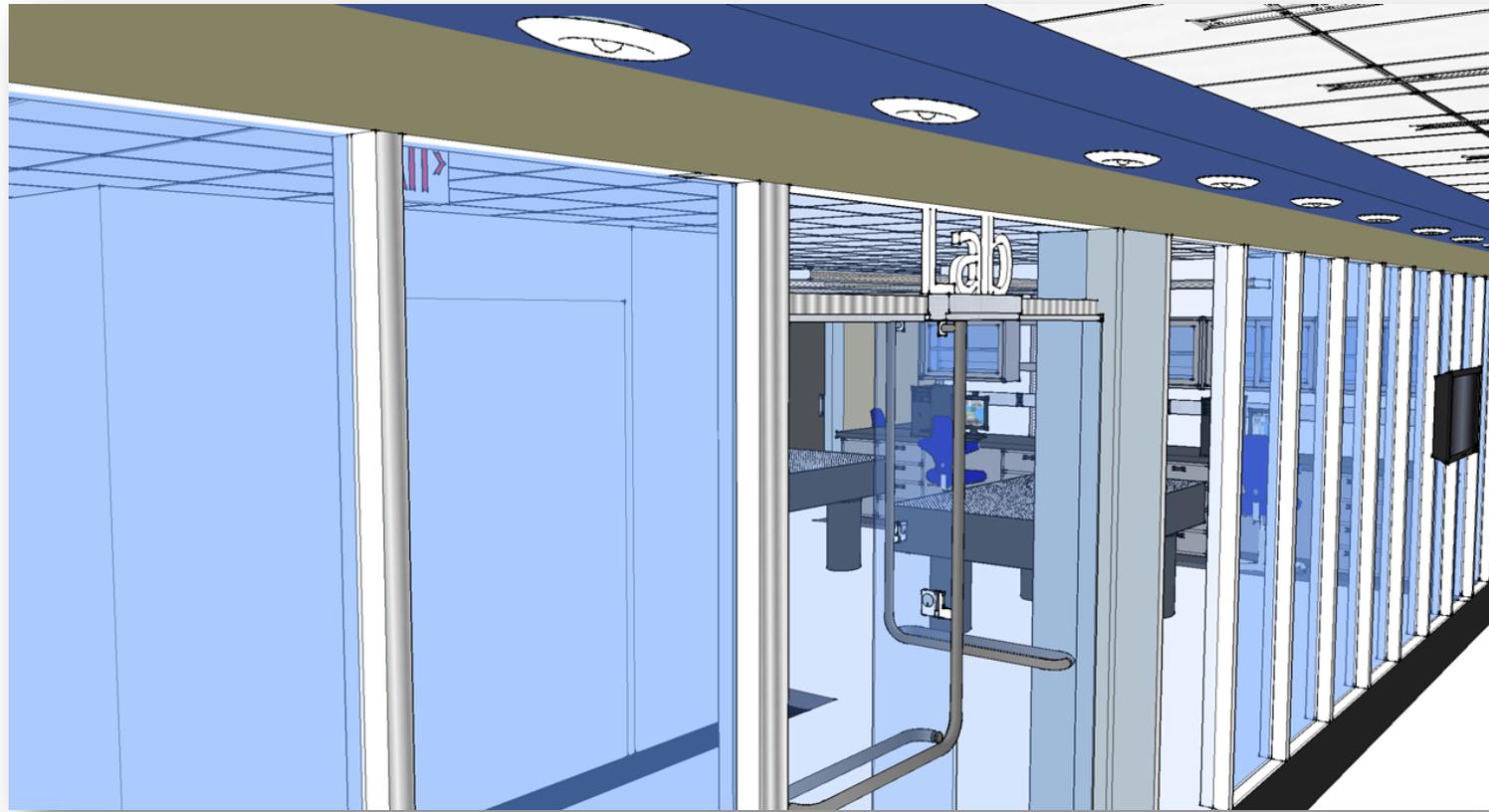
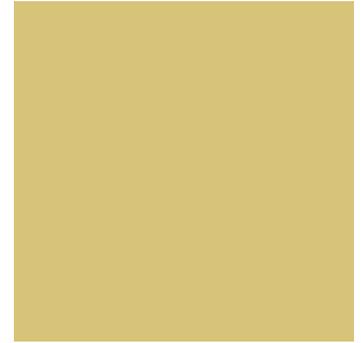
- Laboratory



# Second Option Rendering



# Second Option Rendering



# Second Option Rendering

- Conference Room/ Hall End Area



# Recommended Solutions

- Useful Equipments



Wire Tray System



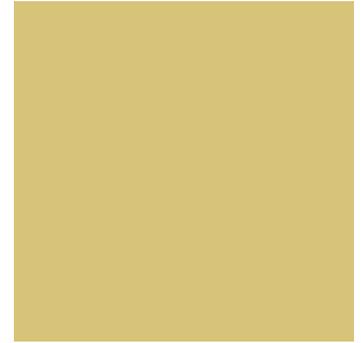
Cabinet Storage



Safety Ladder



Cart Machine



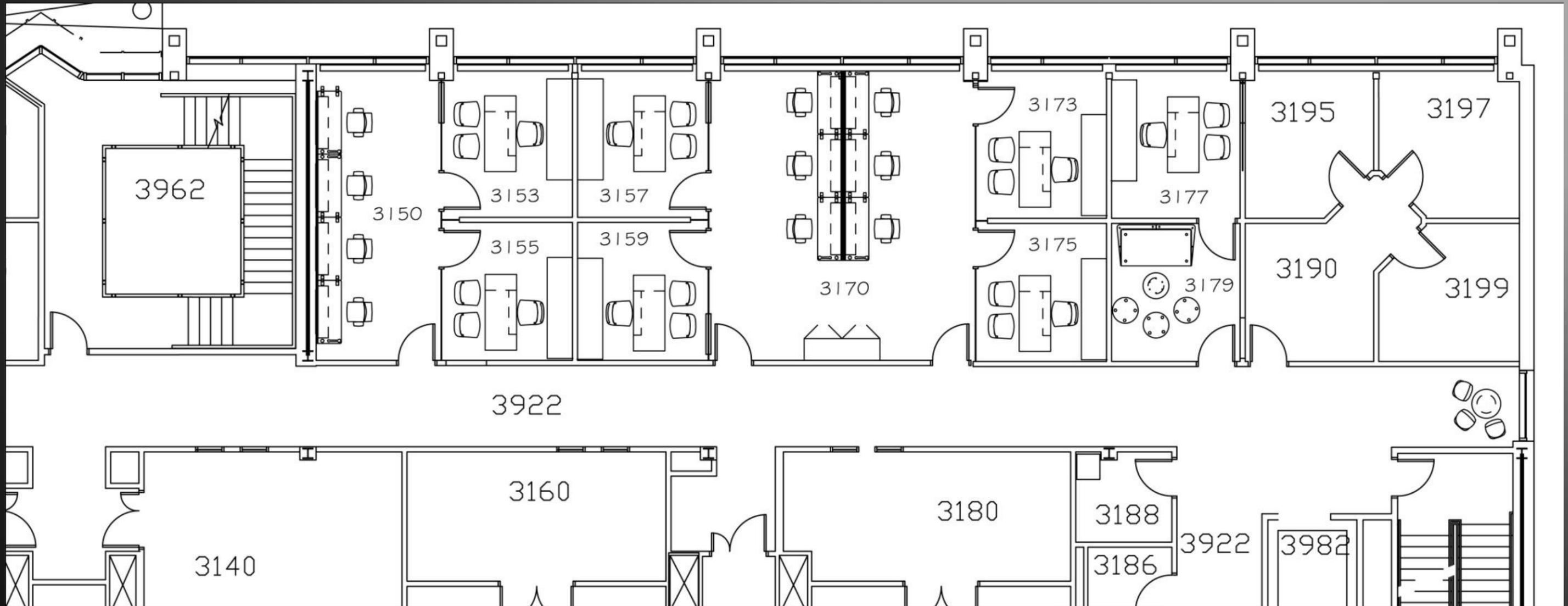
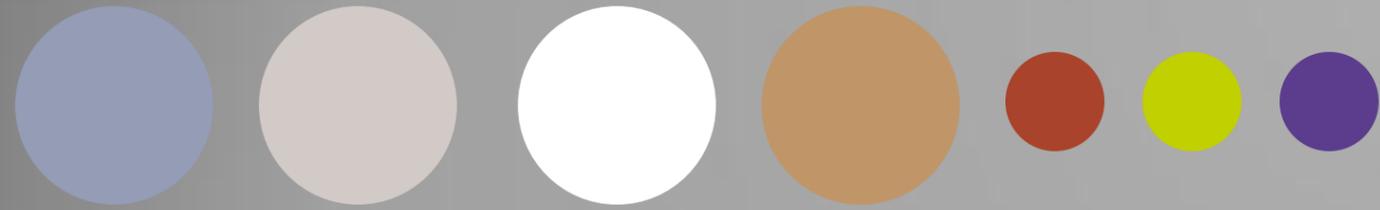
# Special Projects Center for Detectors

Chelsea Semelka

# Goals

- Create functional private office spaces
- Create functional and efficient work stations
- Showcase work and purpose of Center of Detectors
- Utilize signage
- Create a better and more organized flow throughout the office spaces
- Eliminate light and sound distractions
- Utilize space more efficiently

# Plan 1: Walls Intact



# Private Offices



Before



After

# Private Offices



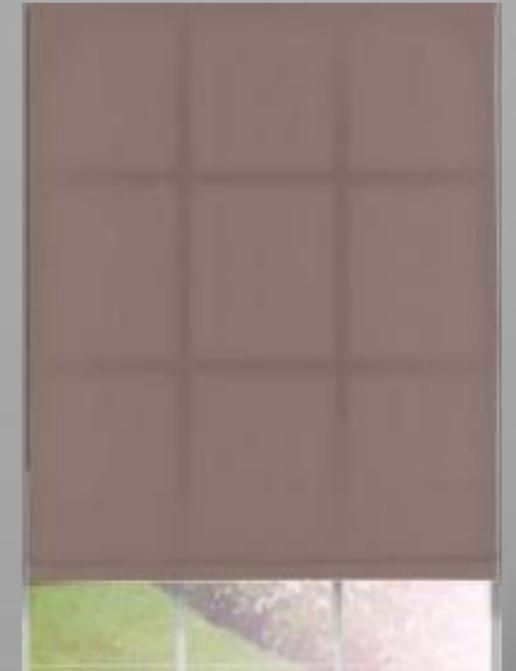
Steelcase Flex Frame System



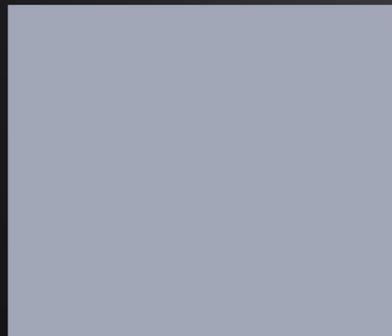
Bindu Executive Chair  
Coalesse



Bindu Side Chair  
Coalesse



Roller Shades  
Smith&Noble  
Eco-Bark



Wall Paint  
Yukon Sky  
Benjamin Moore



Bamboo Flooring  
Dura-design  
Bahamas Yellow

- Storage/Shelving
- Shades to eliminate light distractions and create more privacy
- Hardwood flooring
- Light bright wall color
- Guest Chairs

# Work Stations



Tour System  
Steelcase



Leap Chair  
Steelcase



FLOR Carpet Tiles  
Easy as Pie, Earthen



Before

- Shelving
- Open work stations allow for more collaboration and efficient space usage
- Task lighting
- Color



After

# Work Stations



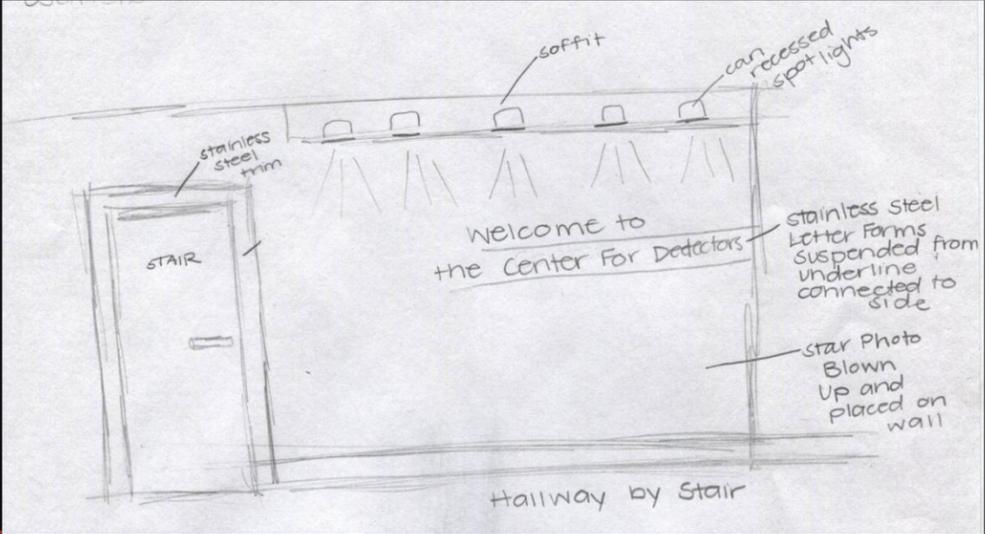
# Hallway



Stainless Steel Lettering



Custom Wall Decal  
Blik Studio



Before

- Signage identifying space
- Custom wall decal
- Showcases work of Center for Detectors
- Different wall colors



After

# Hallway



- Photos taken by detectors displayed in hallway gallery
- Light and bright wall color

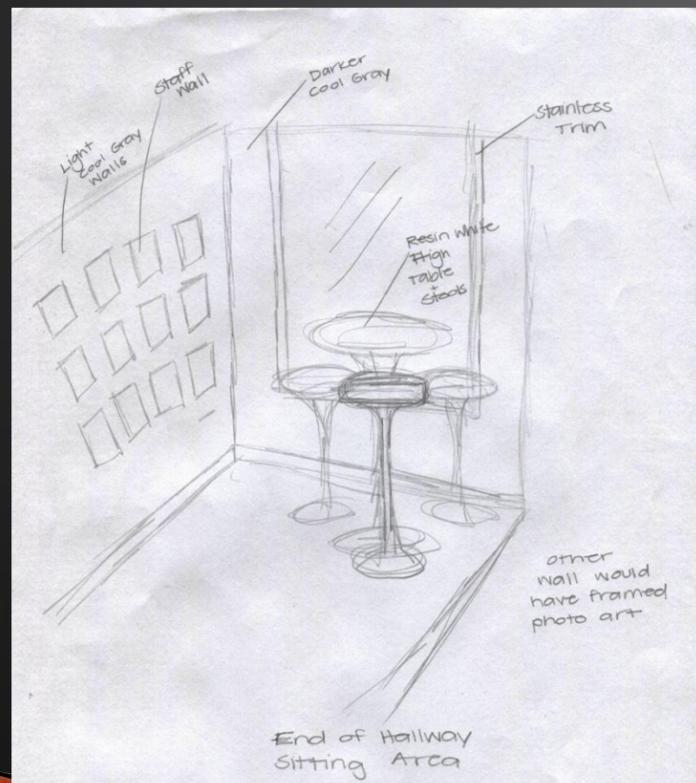
# Hallway



Nitro Stool  
Zuo Modern

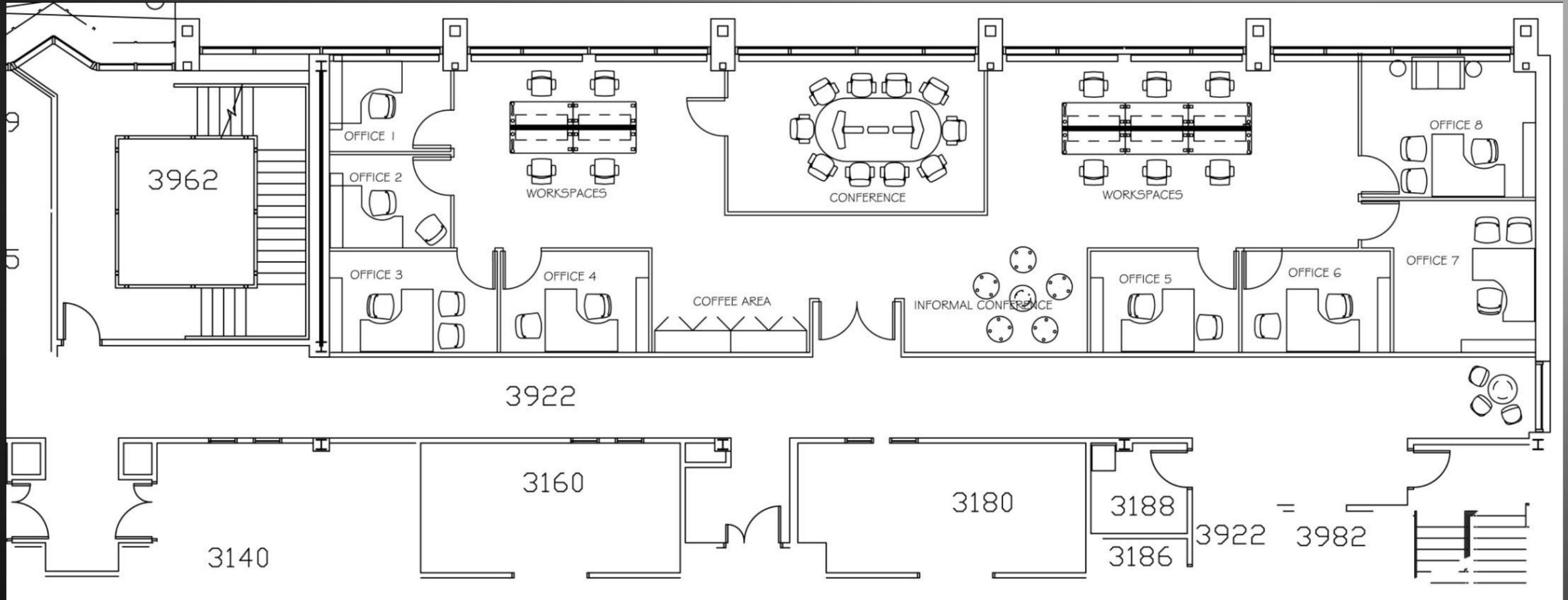
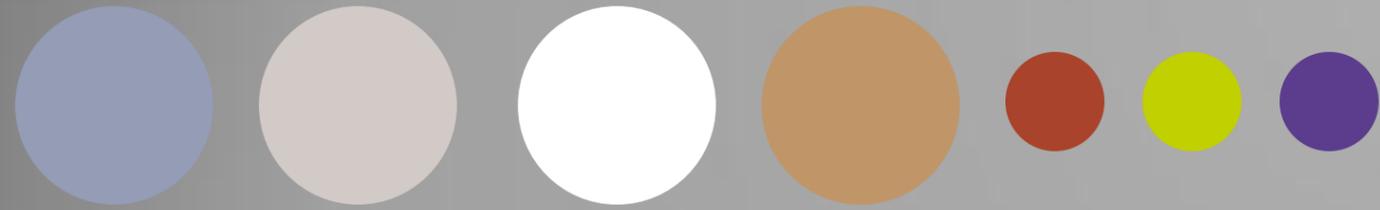


Mojito Bar Table  
Zuo Modern



- Deep violet walls bring attention to end of hallway
- Seating area
- “Wall of Fame” stainless steel frames showcasing employees and interns working for the Center for Detectors

# Plan 2: Walls Changed



# Entrance



- Clear signage above door
- One central entrance
- Photos displayed as art

# Private Offices



DIRRT Glass Wall Systems



Bamboo Flooring  
Dura-design  
Bahamas Yellow

Steelcase Work Wall System

# Conference



**E Table by Coalesse**  
Has multiple power hookups for laptops, monitors, or other electronics



**Bamboo Flooring**  
Dura-design  
Bahamas Yellow



Haze



Spurt

**Glass Wall Systems**  
DIRTT



**Copper Artichoke Light**



- Glass conference room
- Shades provided for privacy or dimming space for presentations
- Hardwood flooring

# Work Stations



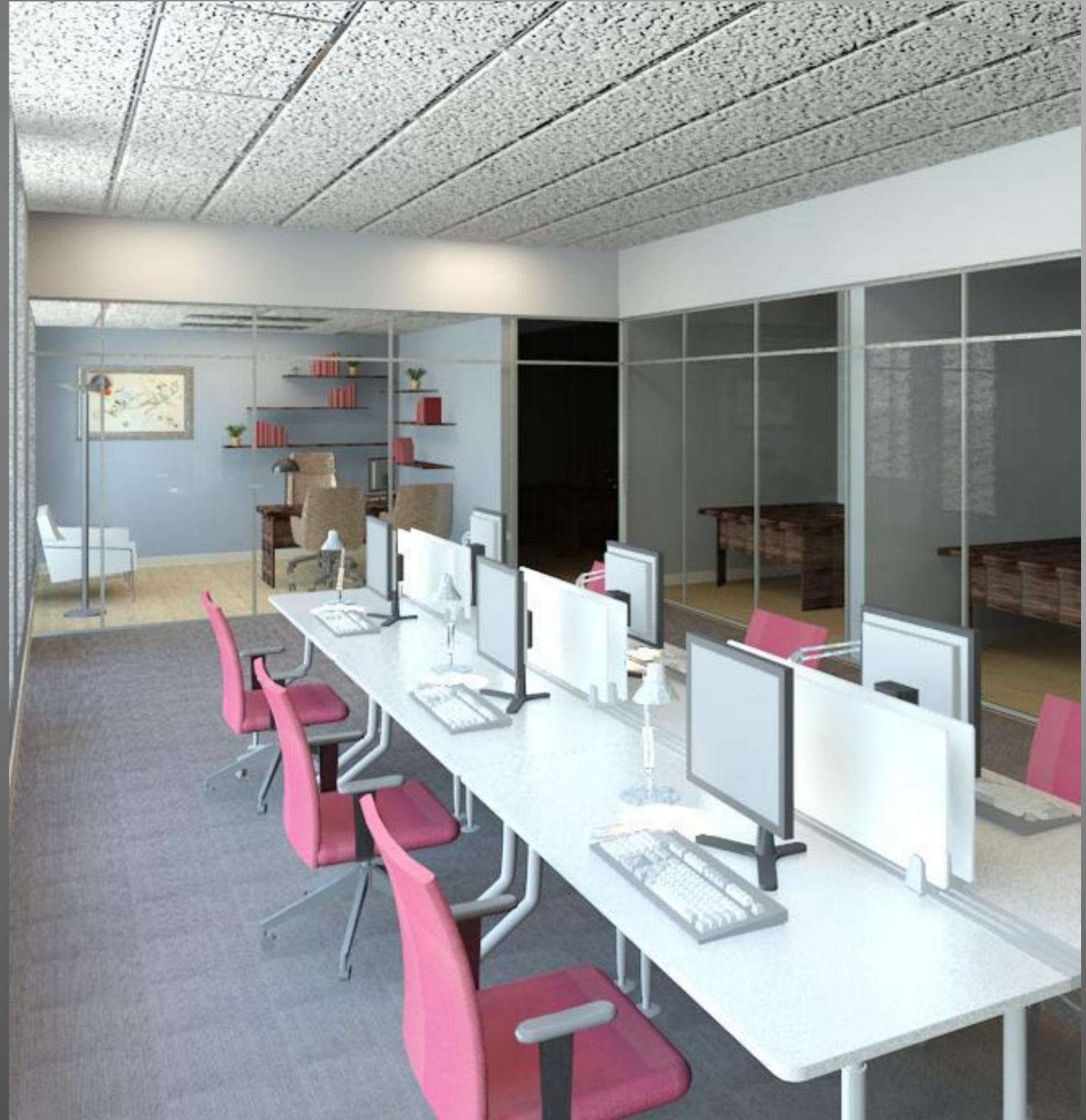
Tour System  
Steelcase



Leap Chair  
Steelcase



FLOR Carpet Tiles  
Easy as Pie, Earthen



# Informal Conference



Campfire  
Steelcase



- Campfire Grouping
- Wall Mounted Flat Screen Monitor
- Large White Board

# Coffee Bar



Before



After



Sidewalk Storage Unit  
Steelcase



# Special Project

Redesign center for detectors

Vivian Shin

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# Needs

- 8 offices for professors, staff, post-docs
- 9 offices/cubicles for students
- Conference room for >15 people
- Break room
- Organize a small awkward space
- Change light fixture for more efficient work space
- Signage of center name
- Space for displaying pictures and profiles of staff
- Privacy for private offices

# Solution Ideas

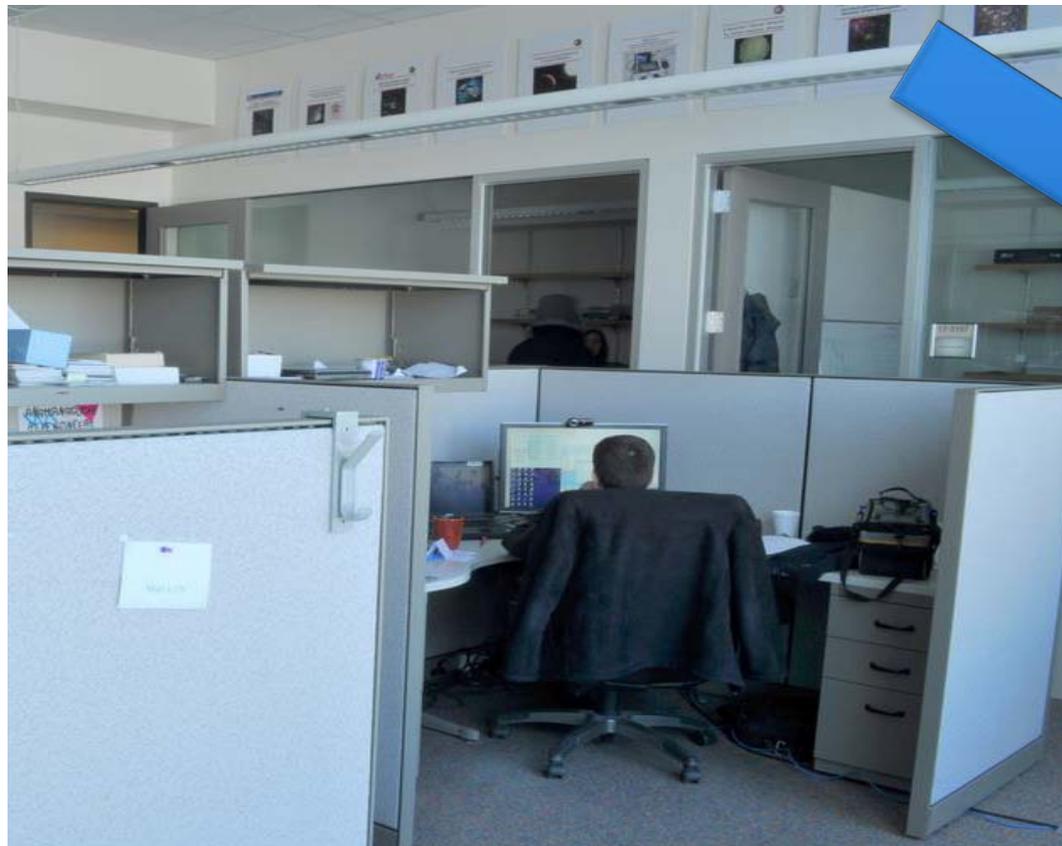
- Cover for Glass wall – Glass Film

- <http://www.eyetonic.com/>
- <http://digiglass.com/>

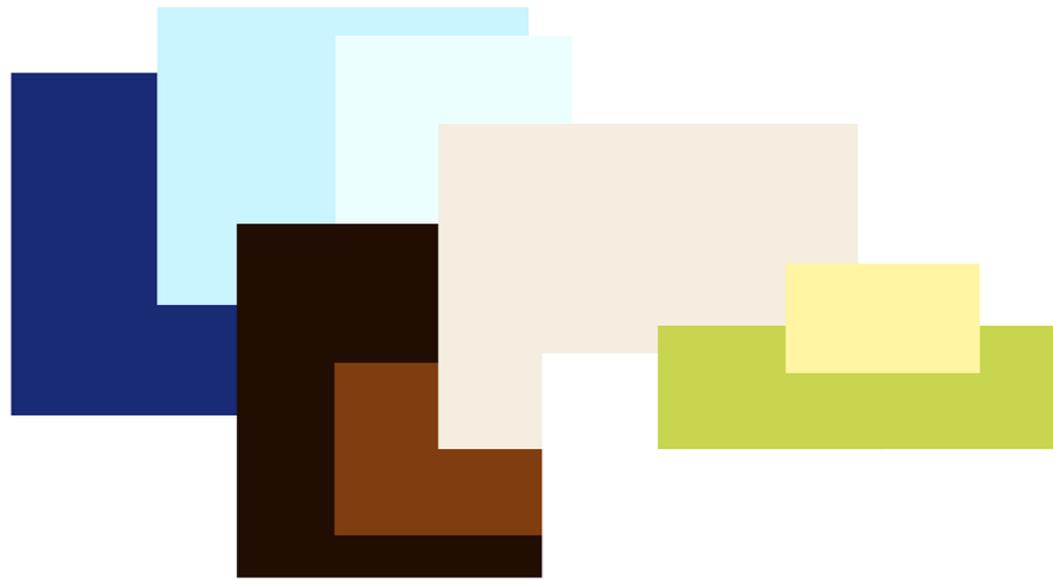


# Solution Ideas

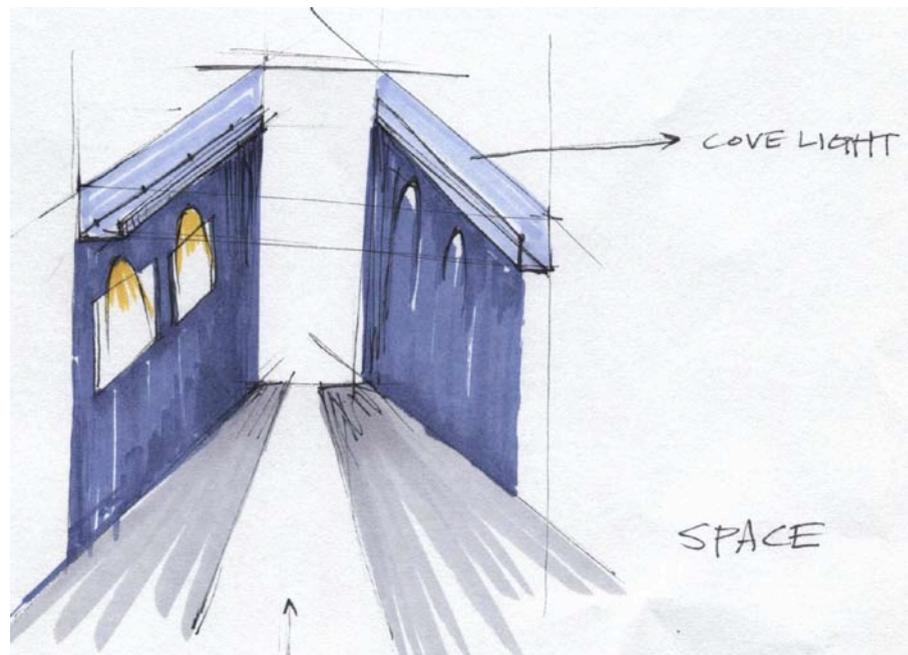
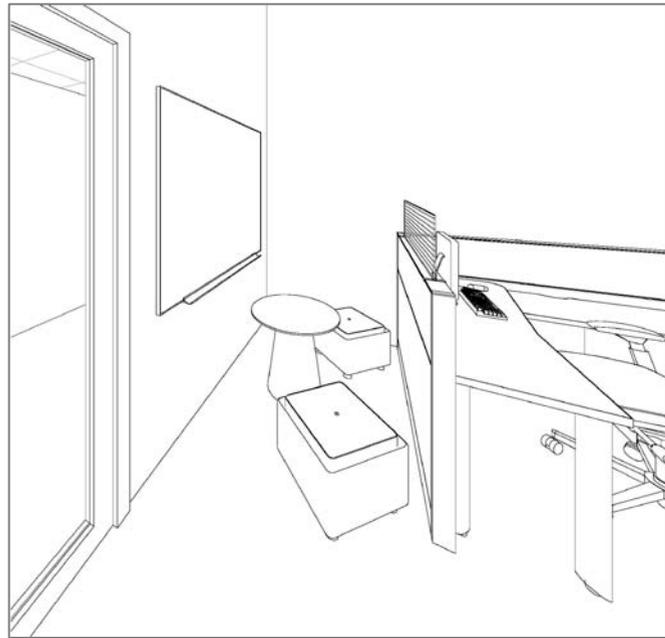
- Display of their works and pictures
  - Price range: \$1,500 – \$2,000



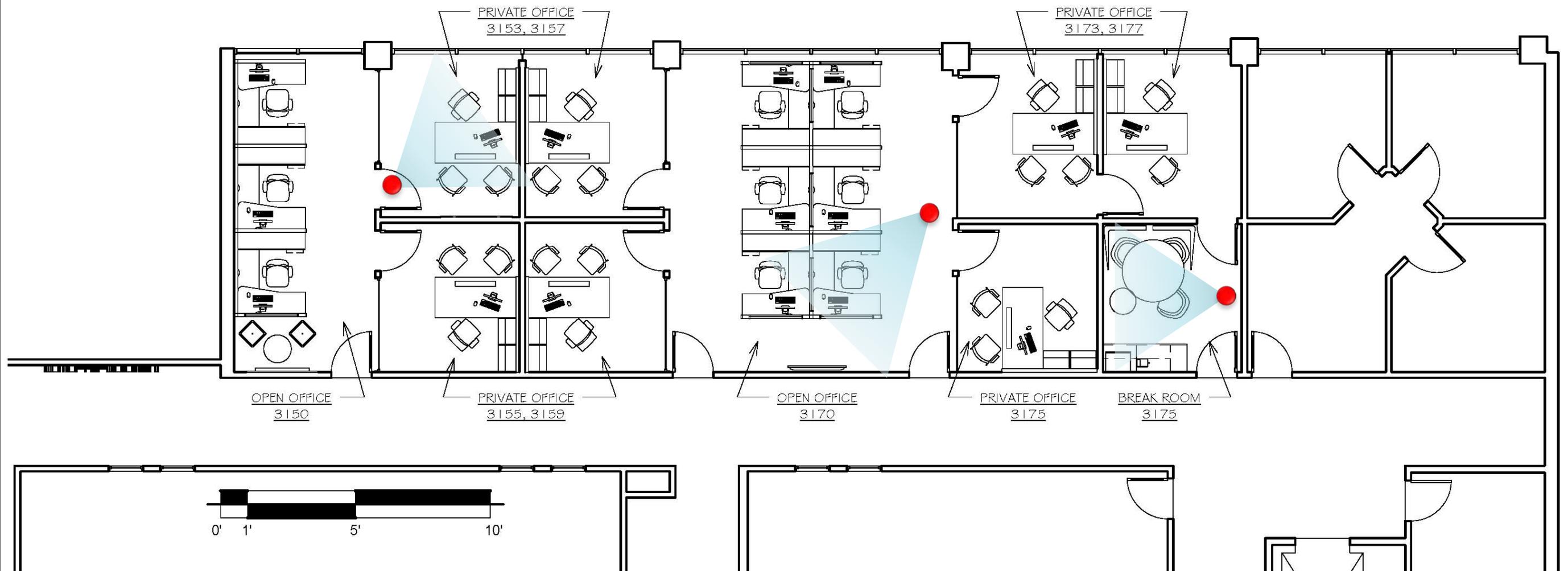
# Color Scheme Inspiration



# Idea Sketches



# Floor Plan – Concept 1



# Private Office



Before



After

# Open Office



Before



After

# Furniture Selection

- Private Office for Staff and Open Office for student
  - Steelcase\_FlexFrame
  - Steelcase\_Answer furniture systems



Steelcase Think chair



# Hallway



Before



After

# Break room



Before



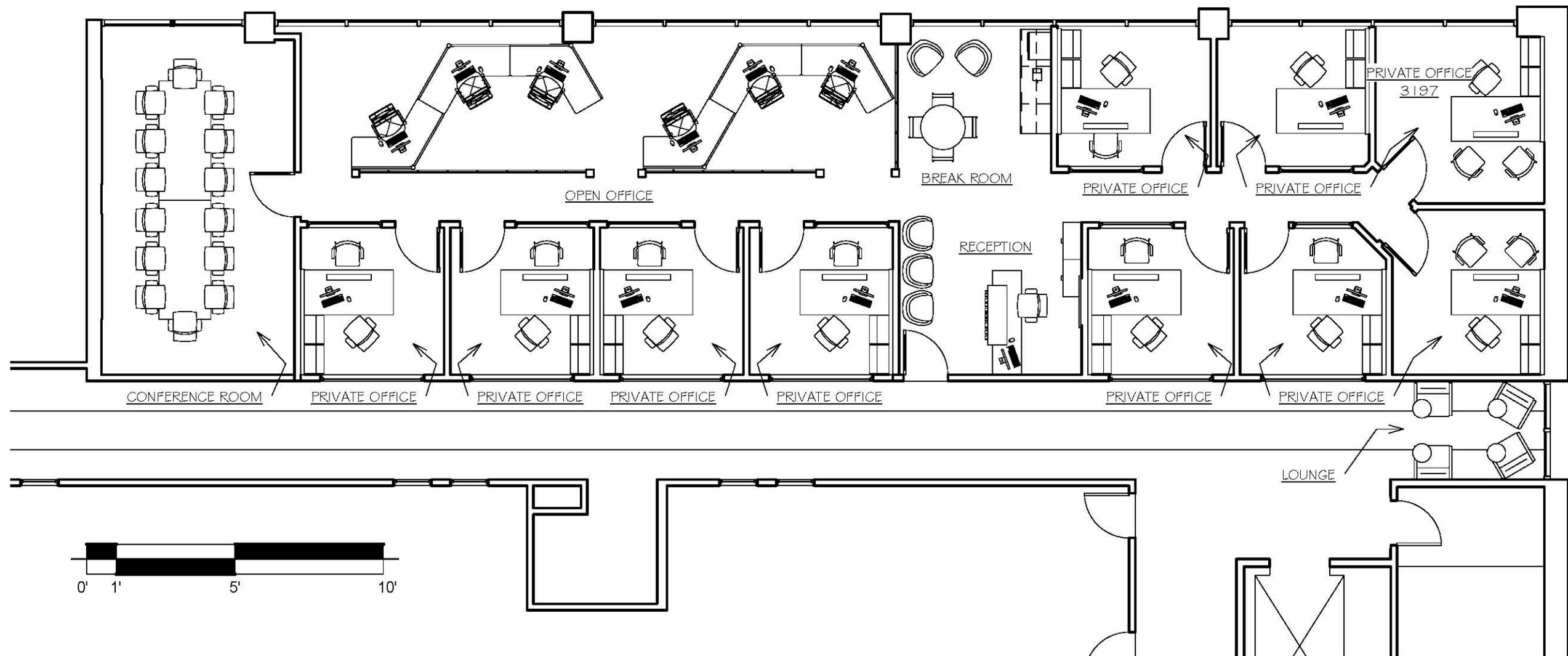
After

# Furniture Selection

- Break room/ Small meeting area
  - Campfire Collection
  - Screen Environment
  - Paper Table



# Floor Plan – Concept 2



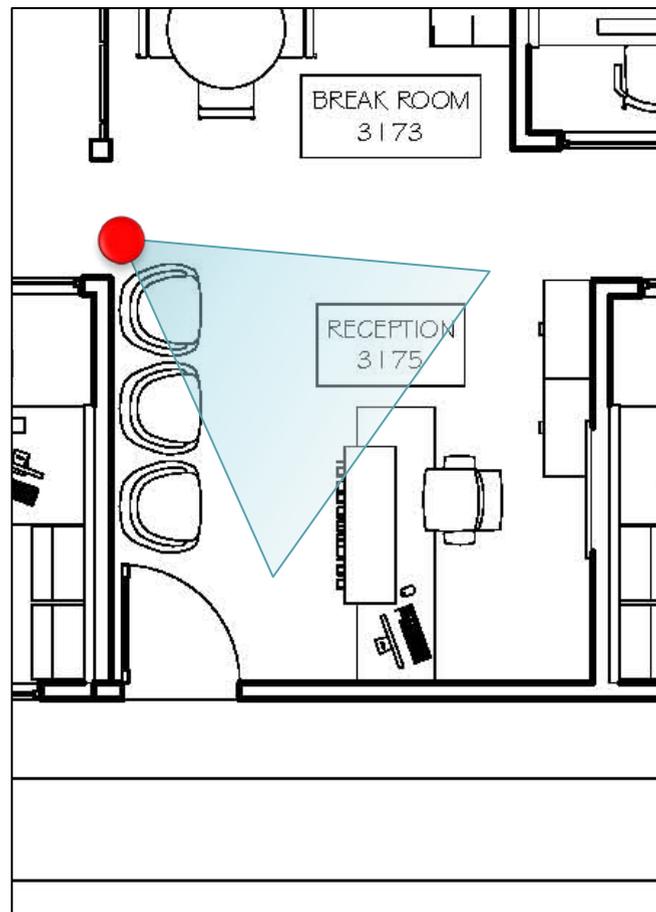
# Hallway



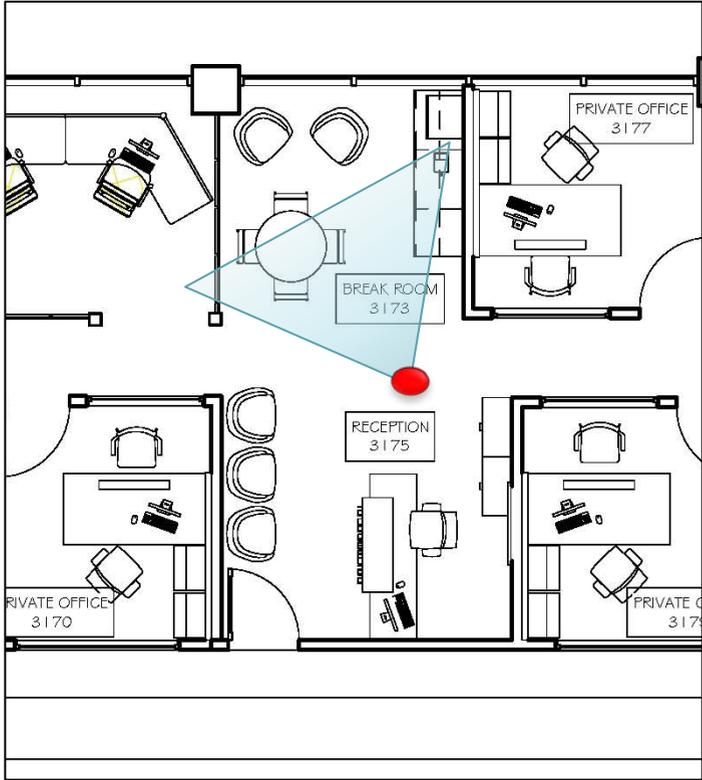
Steelcase Sidewalk Mobile Chair



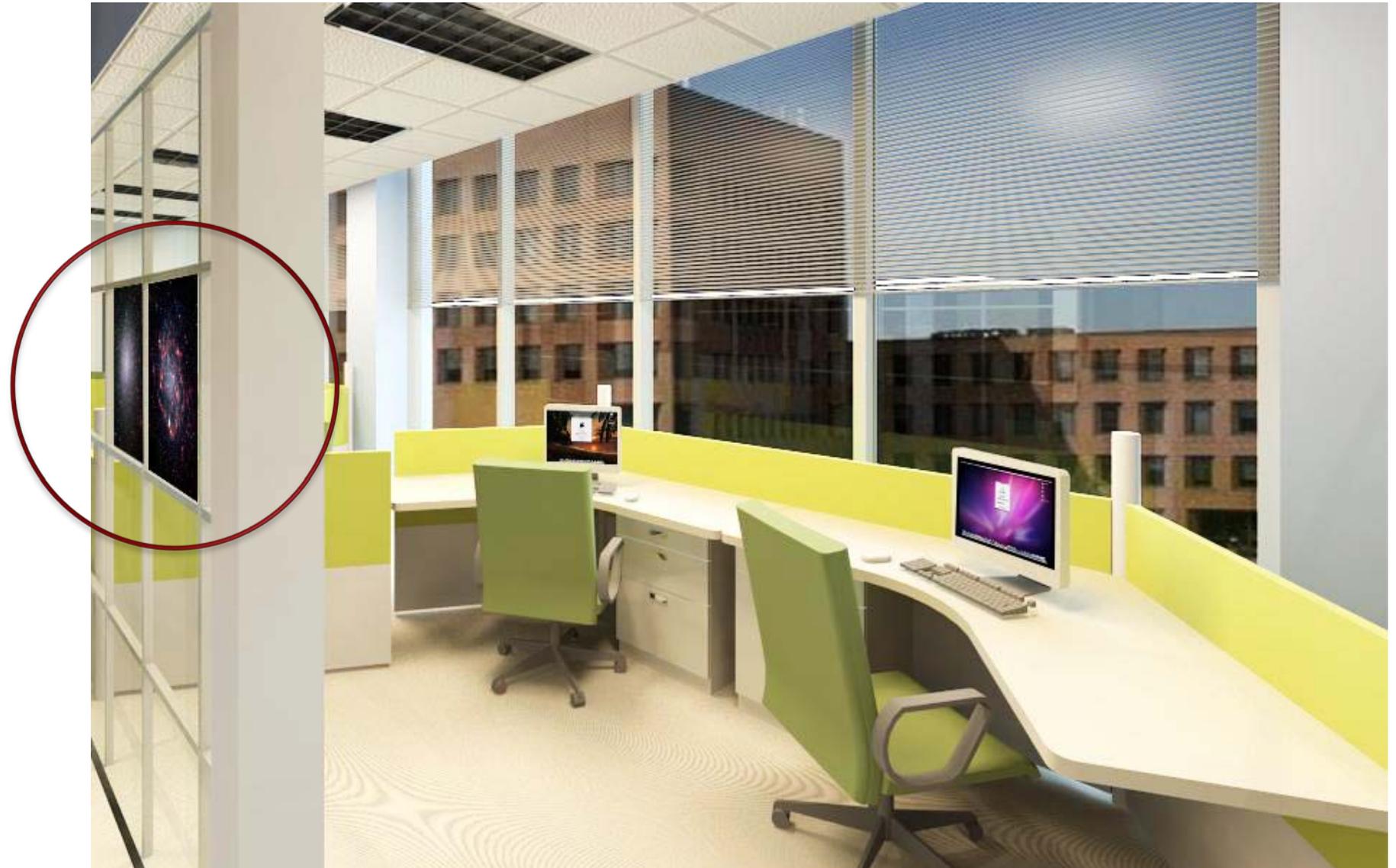
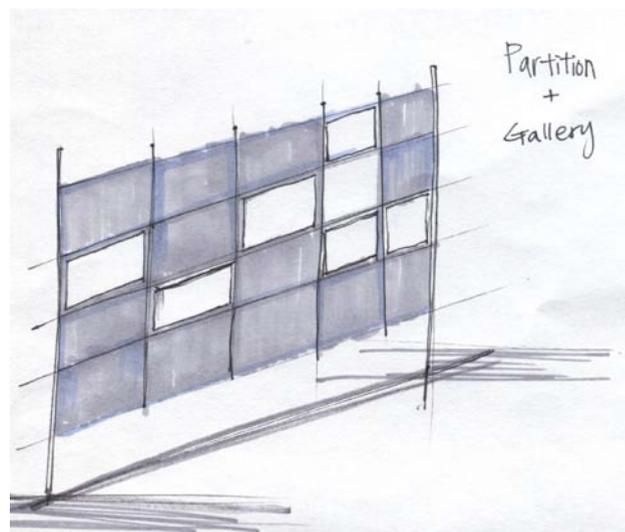
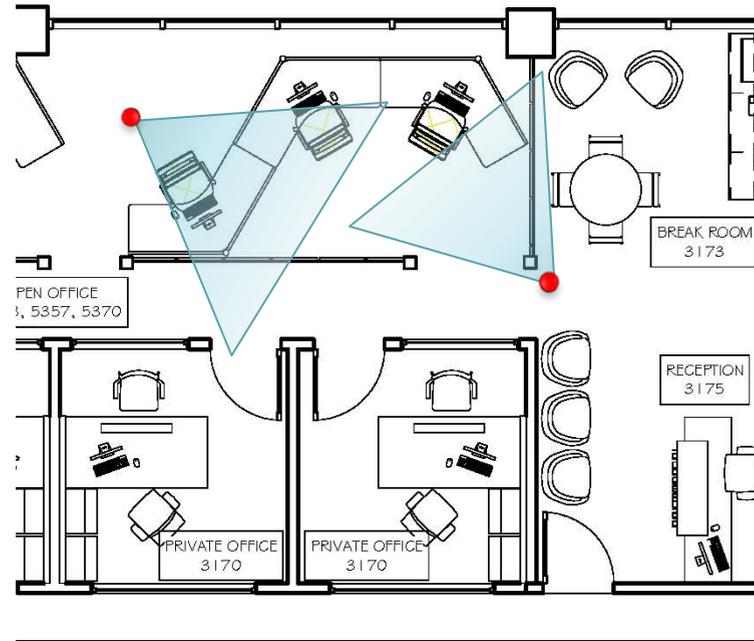
# Reception



# Break room



# Open Office



# Open Office



Steel case Reply Task Chair



Steel case Answer Solution

# Conference Room for 15 people



Steelcase E-Table

Steelcase Kart Nesting Chair

# Center For Detectors

Rochester Institute of Technology

Efficient . Clean . Successful . Practical

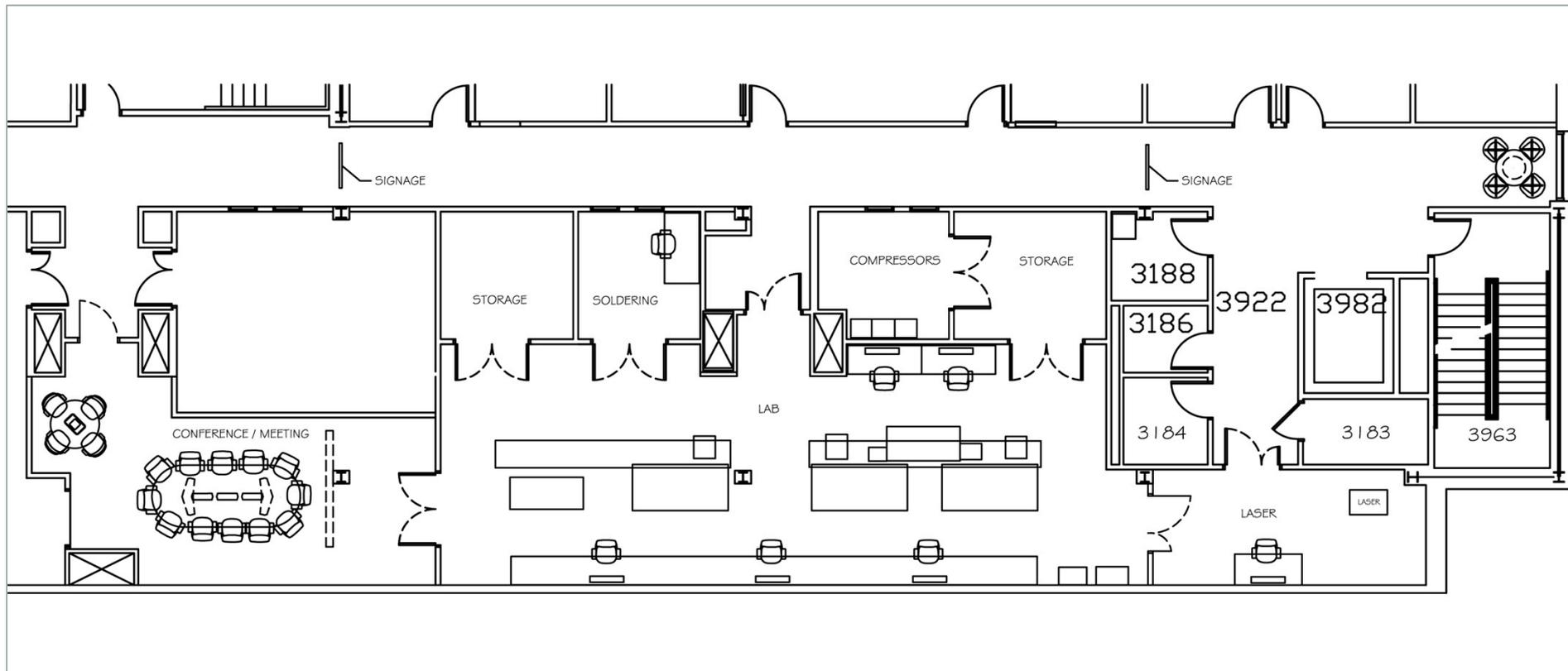
- Efficiently use the space to provide a practical and clean working environment; therefore, increasing successful productivity.

# Inspiration



# Floor Plan: Concept 1

Original walls left; doors and walls added



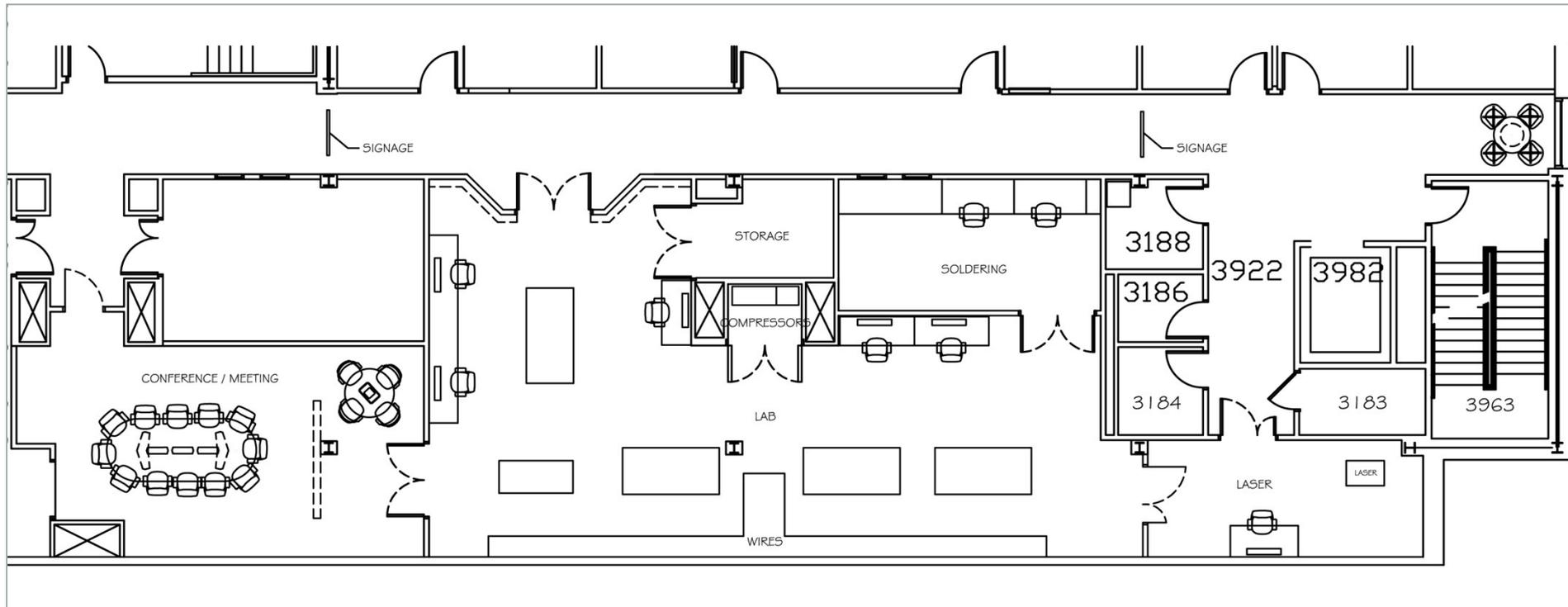
# Concept 1

Lab



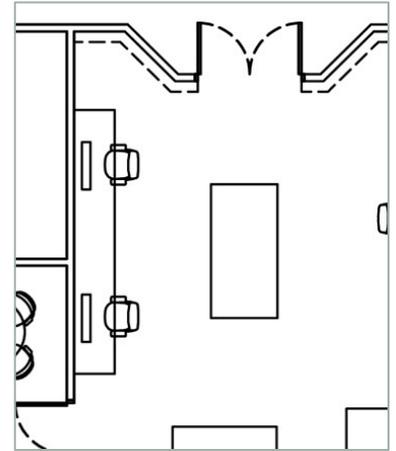
# Floor Plan: Concept 2

Walls removed



# Concept 2

Lab



# Finishes

Lab



Aeron Chair



Reed Glass



Stainless Steel



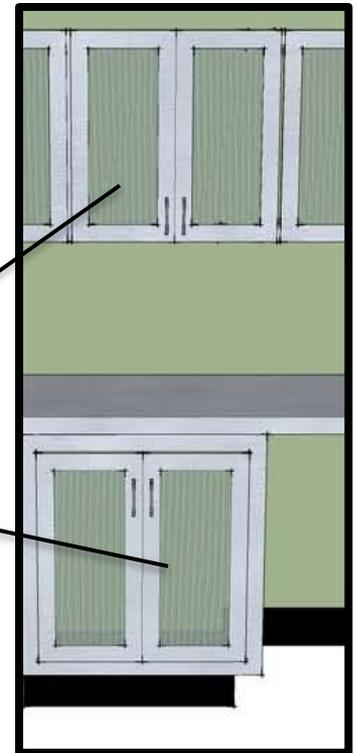
Wall Color



Laminate Flooring

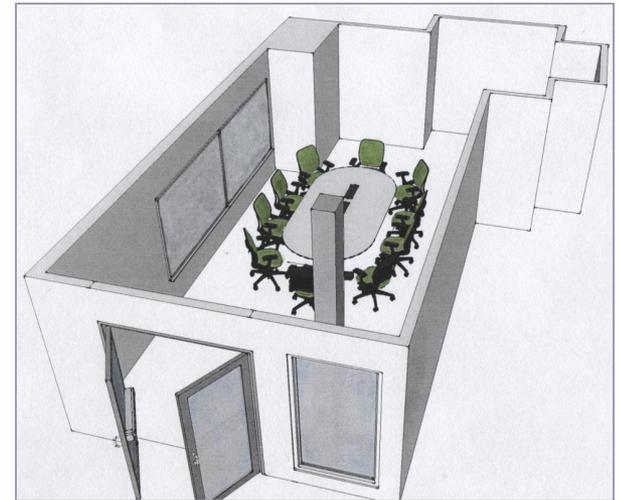


Cabinetry



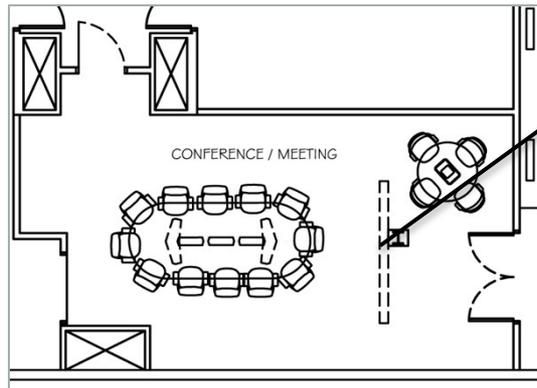
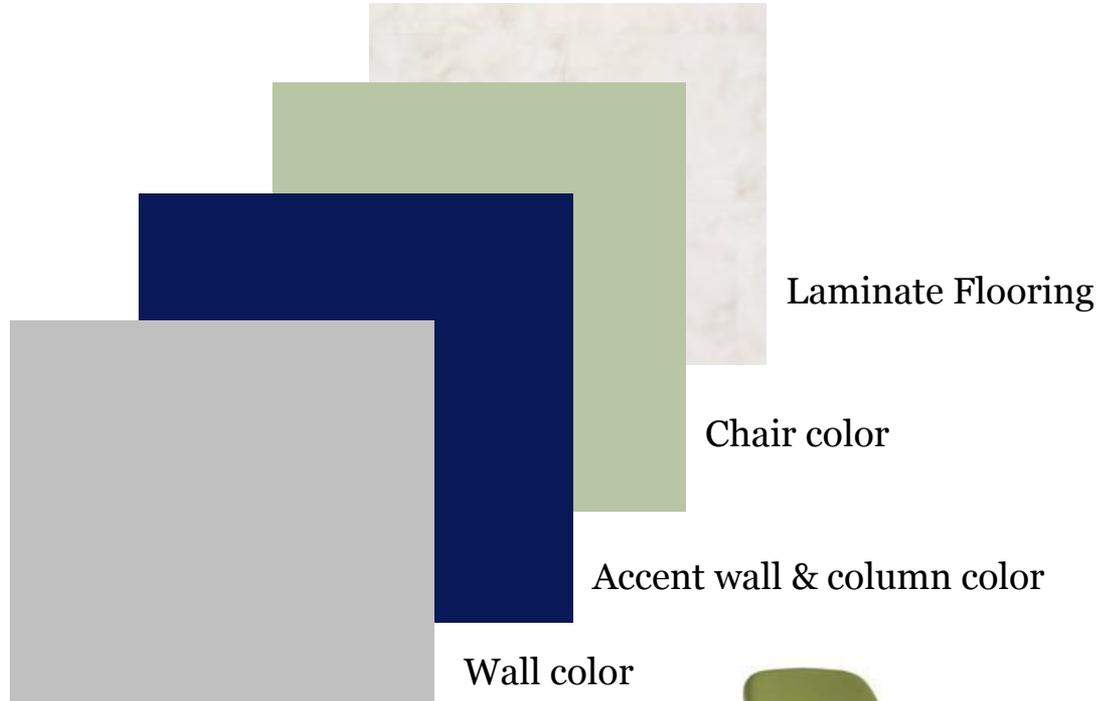
# Conference Room

Steelcase



# Finishes

## Conference Room



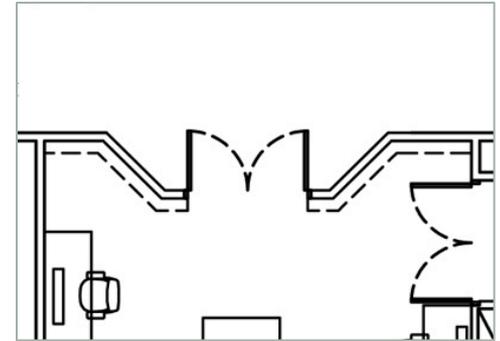
Ceiling mounted projector



Steelcase leap

# Hallway

Concept 2: Lab Entrance

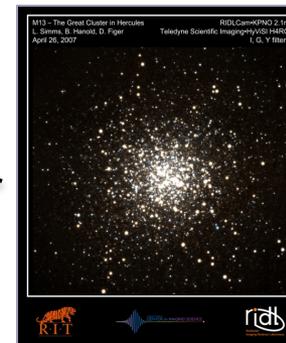
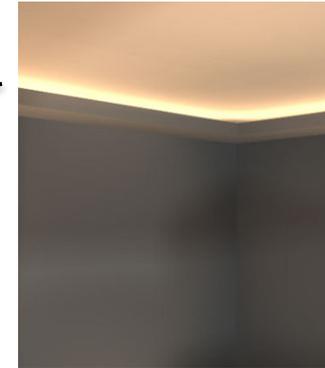


# Hallway

Works with both concepts



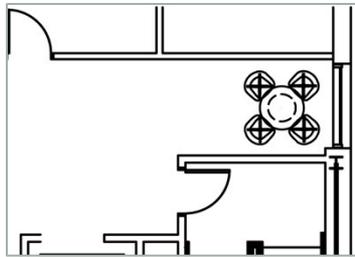
Cove lighting



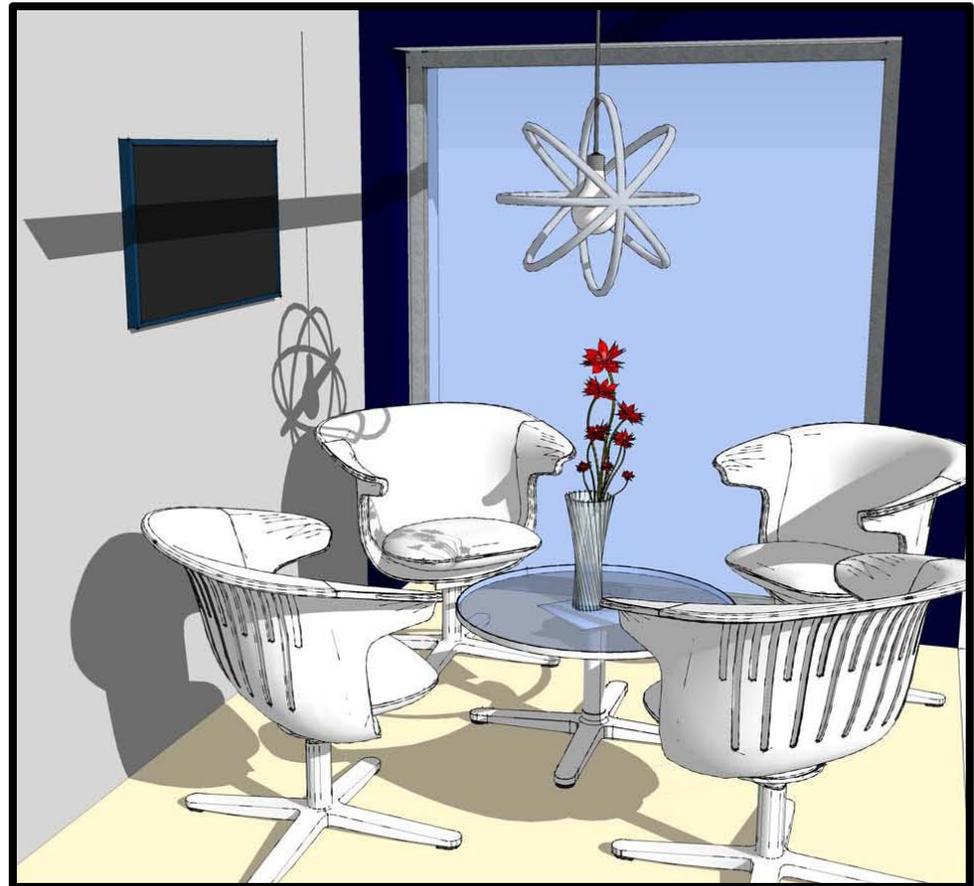
Wall-mounted displays

# Hallway

Works with both concepts

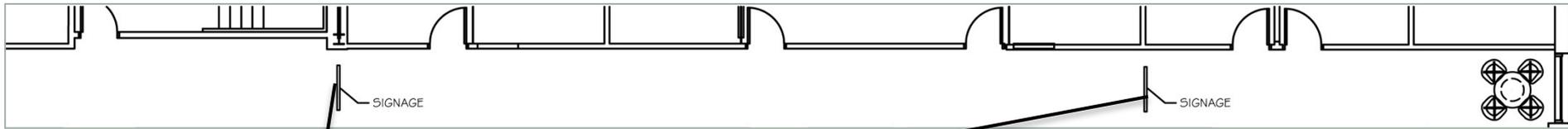


Steelcase i2i

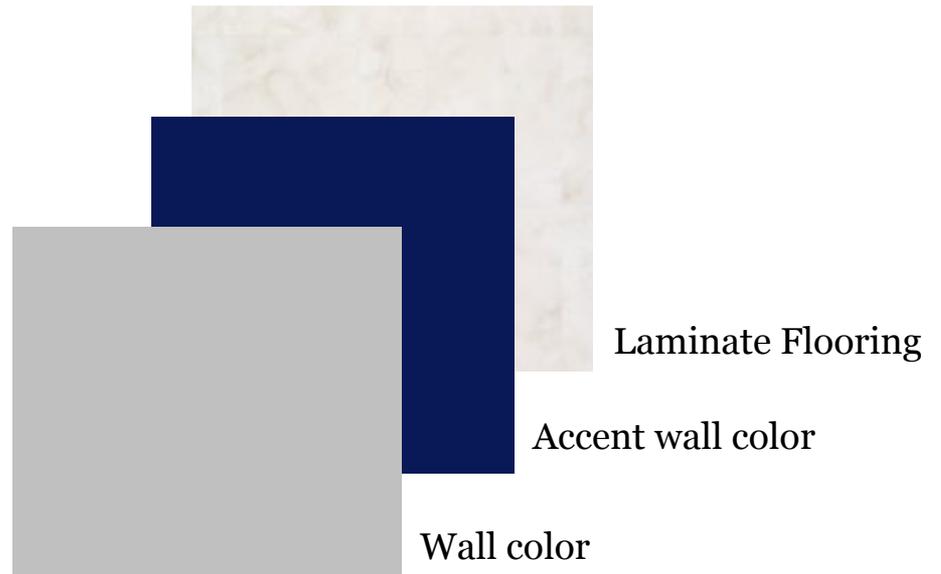


# Finishes

## Hallway



Hanging Signage



# CENTER FOR DETECTORS

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OFFICES & WORK SPACE

ALEX KING  
SPECIAL PROJECTS  
SPRING 2011

**Provide more privacy to offices**

**Open up student workspace**

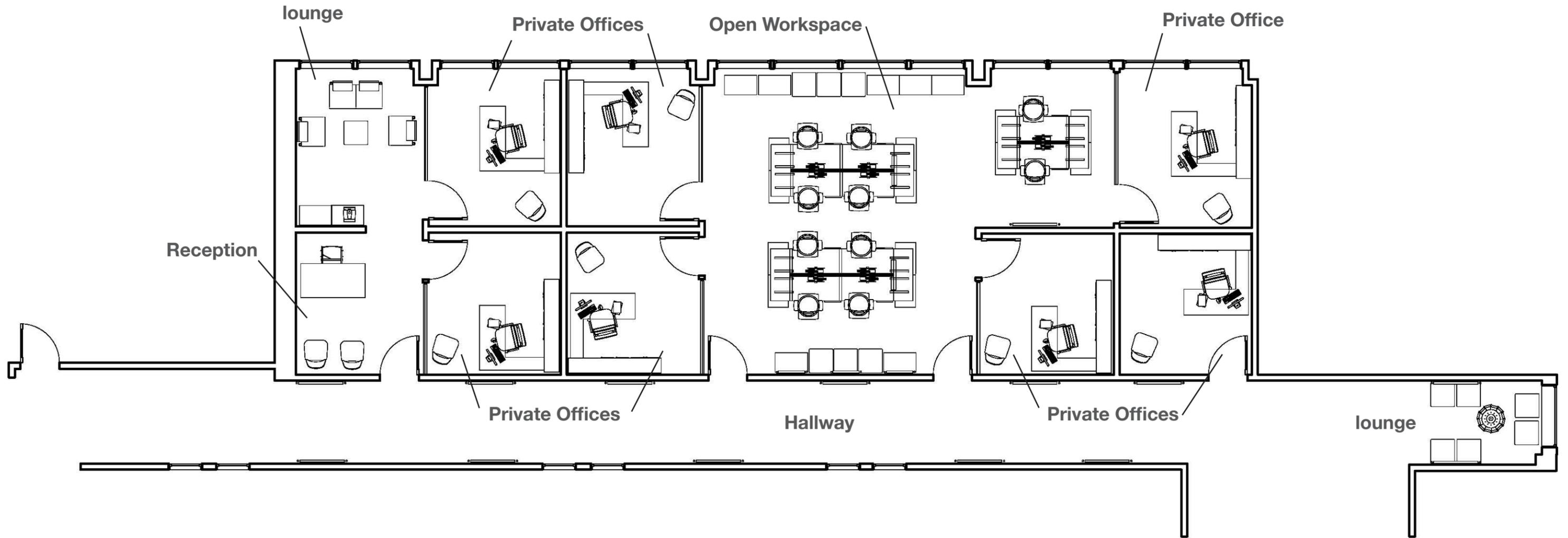
**Make it easy to collaborate**

**Provide better circulation**

**Improve visual displays**

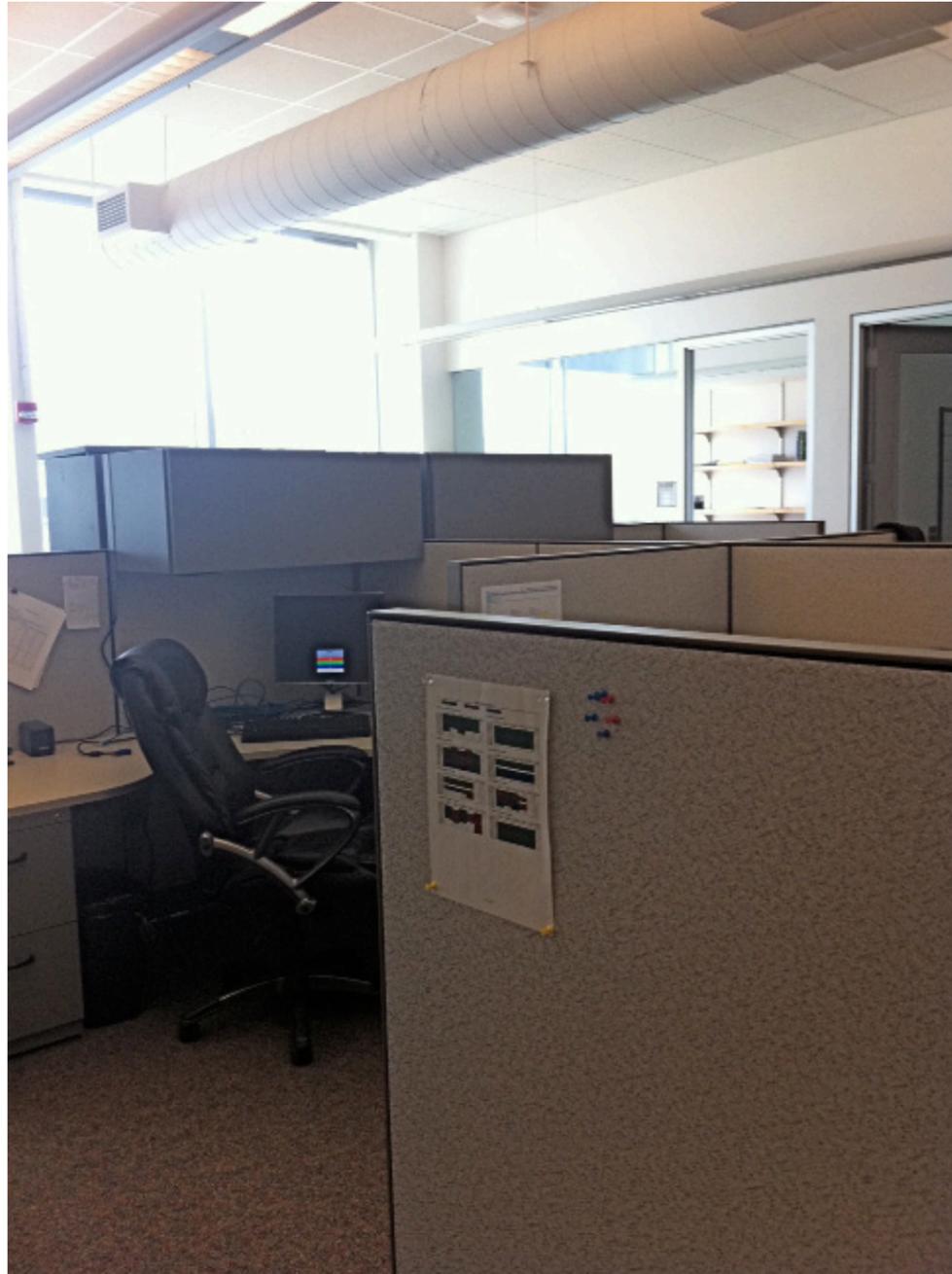
**Provide organization**

# **OBJECTIVES**



# FLOOR PLAN: OPTION I

**BEFORE**



**AFTER**



# INTERIOR PERSPECTIVES

OPEN WORKSPACE

**BEFORE**

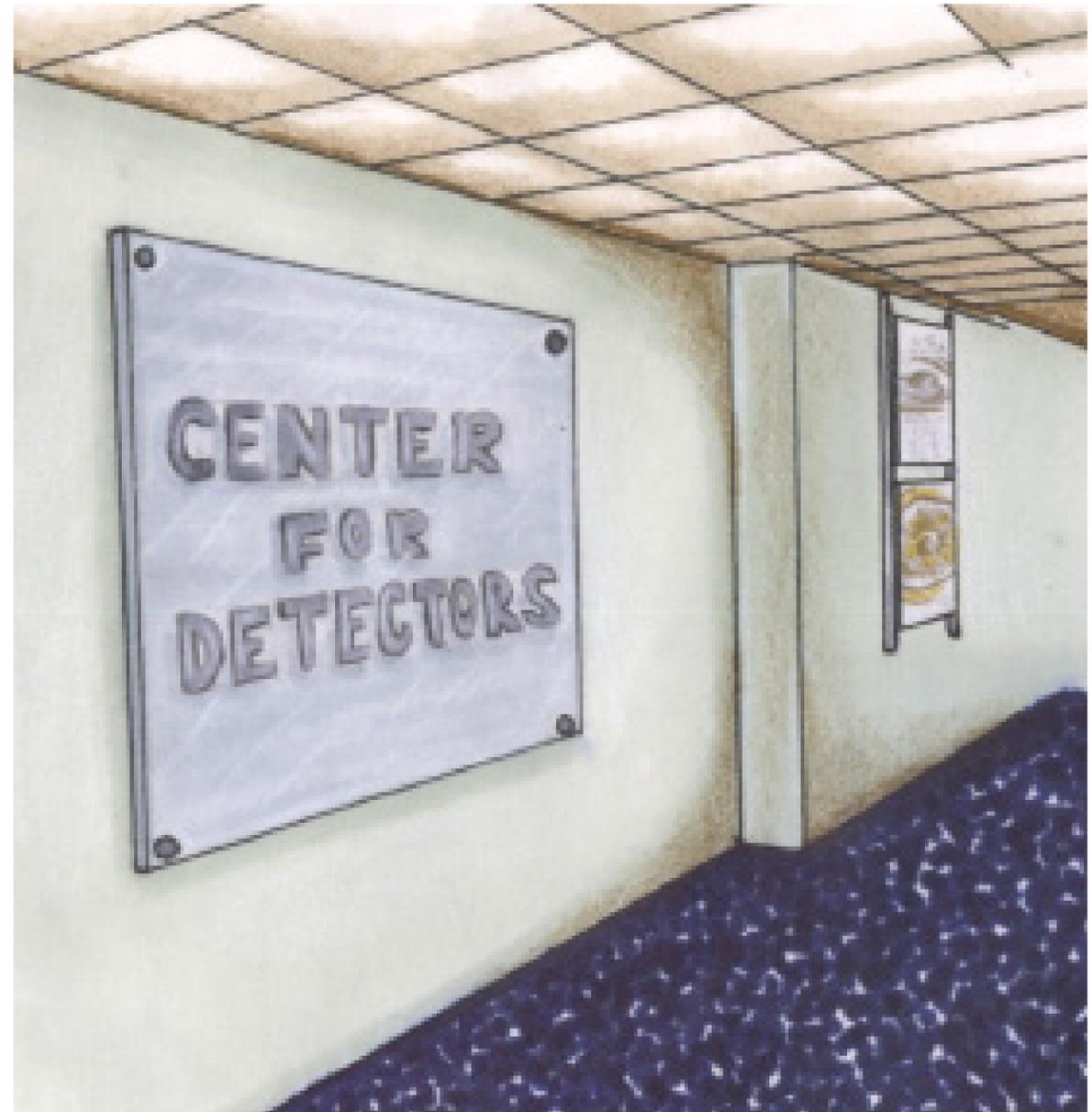
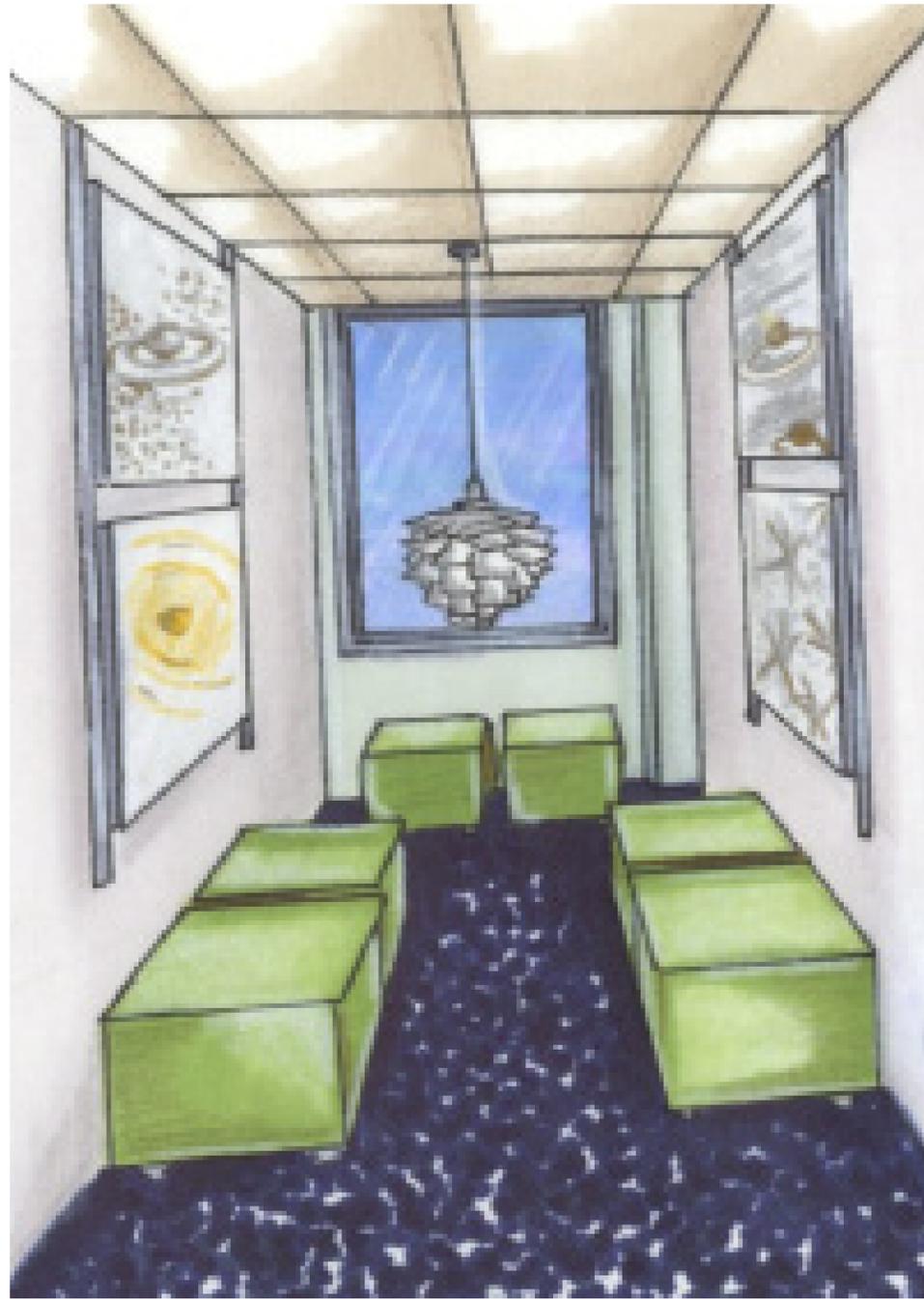


**AFTER**



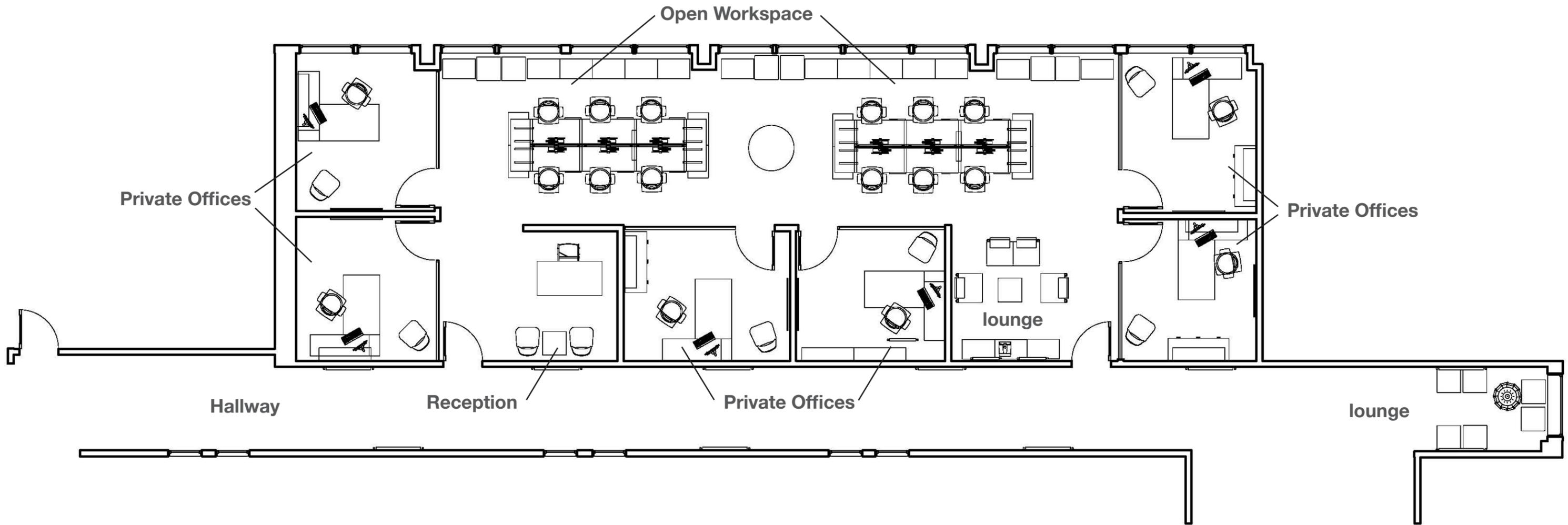
# INTERIOR PERSPECTIVES

LOUNGE



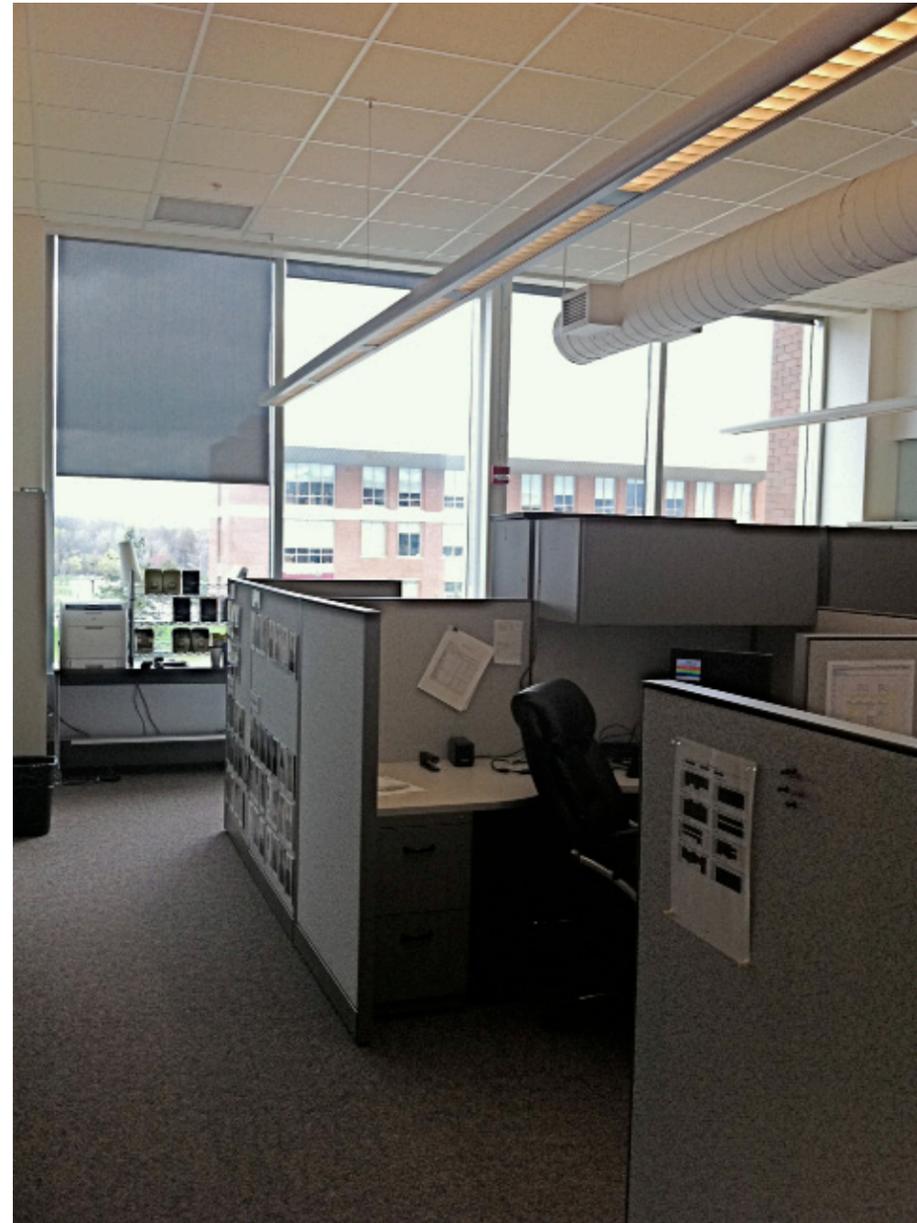
# INTERIOR PERSPECTIVES

HALLWAY

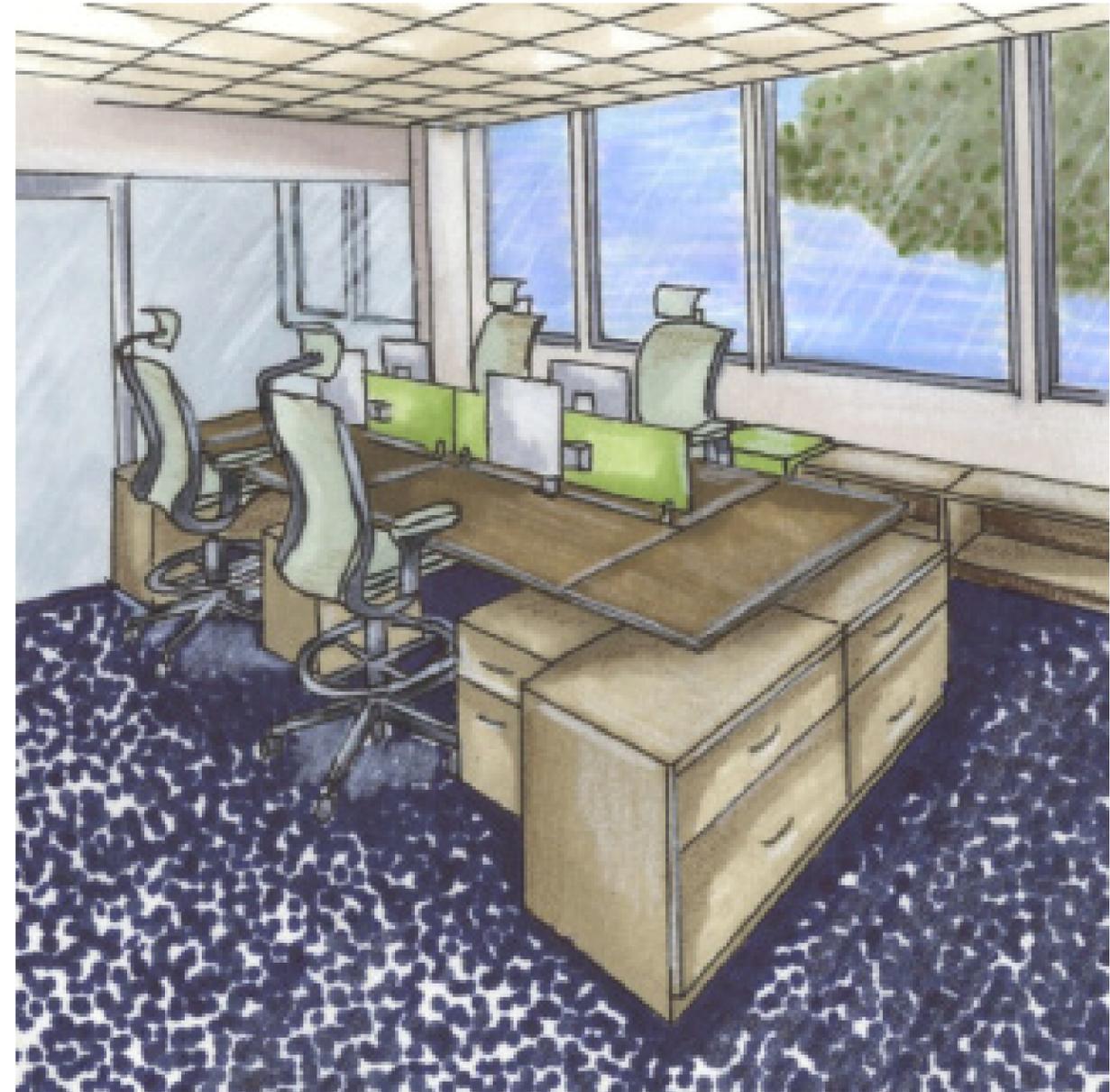


# FLOOR PLAN: OPTION II

**BEFORE**



**AFTER**

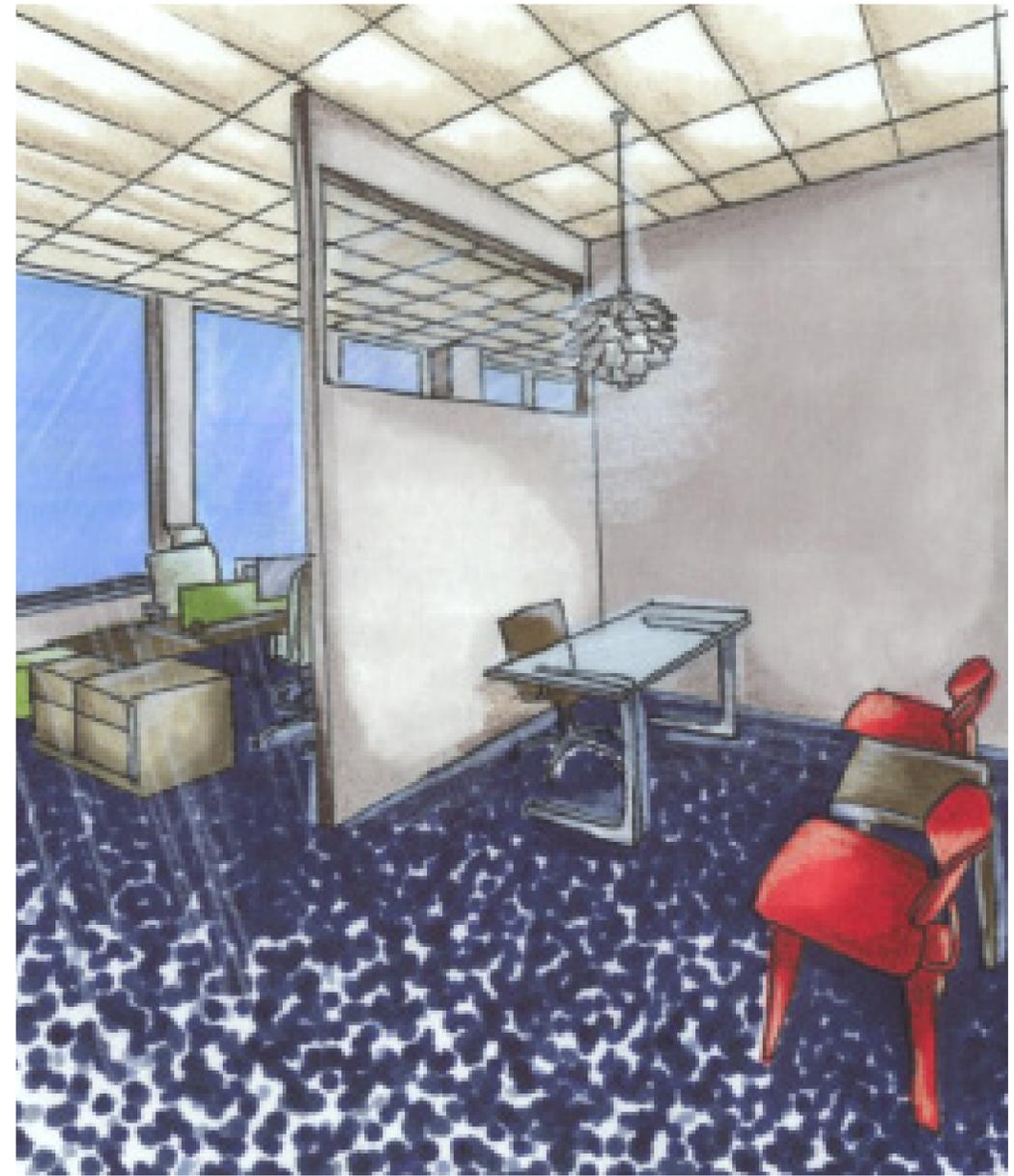


# INTERIOR PERSPECTIVES

OPEN WORKSPACE



LOUNGE



RECEPTION

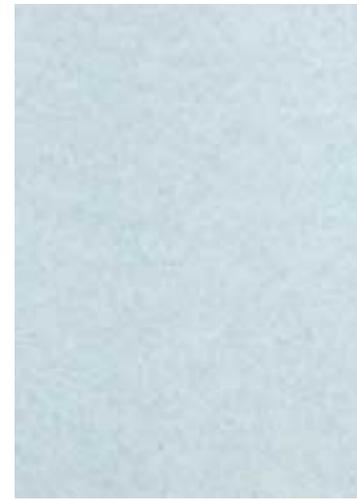
# INTERIOR PERSPECTIVES



Chair Fabric



Panel Fabric



Frosted Glass



Carpet



Pendant Light

# MATERIALS & FINISHES

STEELCASE: FRAME ONE

# Center for Detectors at RIT

---

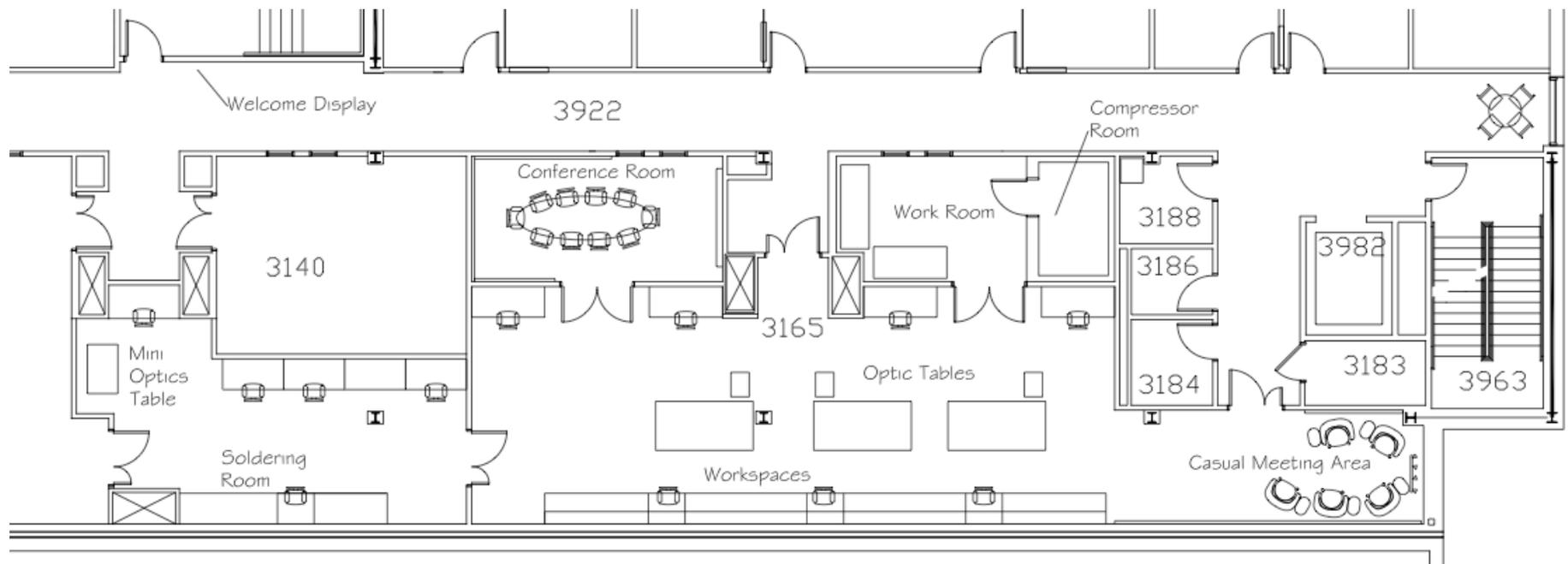
Veronica Bassano

## Problems

Wires  
Room for conference area  
Noise  
Unused Space  
Display Area needed  
Lighting

## Solutions

Wire Management System  
Move conference area  
Move Compressor System into new room  
Create casual meeting areas  
Apply Wall Decals to display work  
New lightbulbs in combination with new lighting systems



# Floor Plan One

Walls remain unchanged



Before

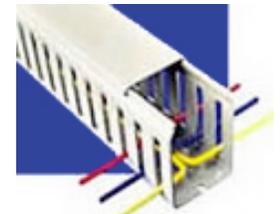
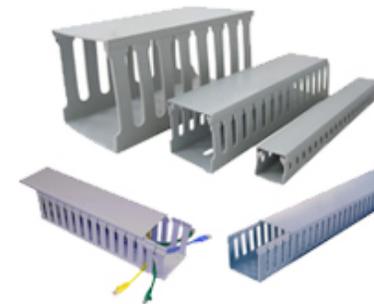
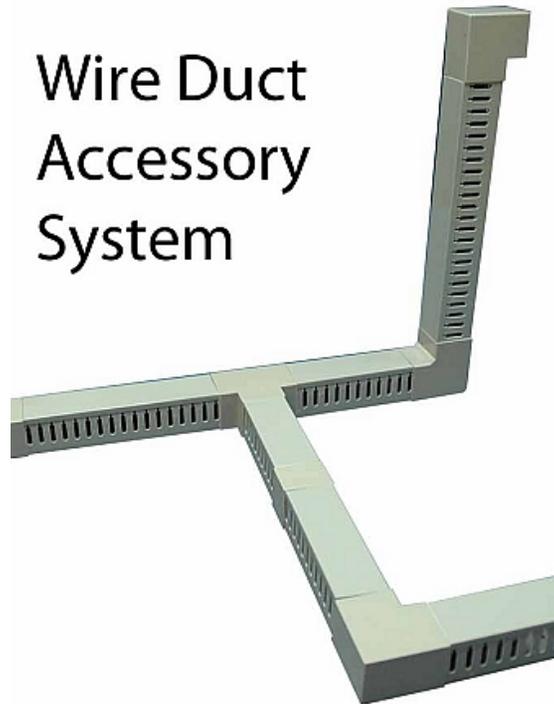


After

# Optics Tables



## Wire Duct Accessory System





Before  
Soldering Room

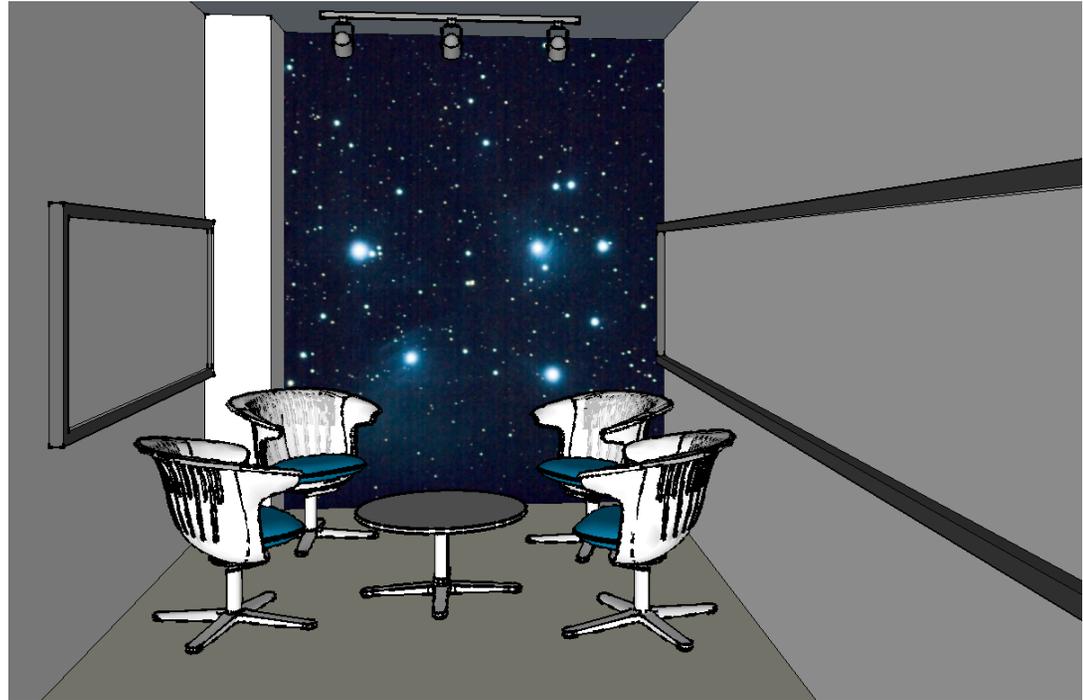


After  
Conference Room

## New Conference Room

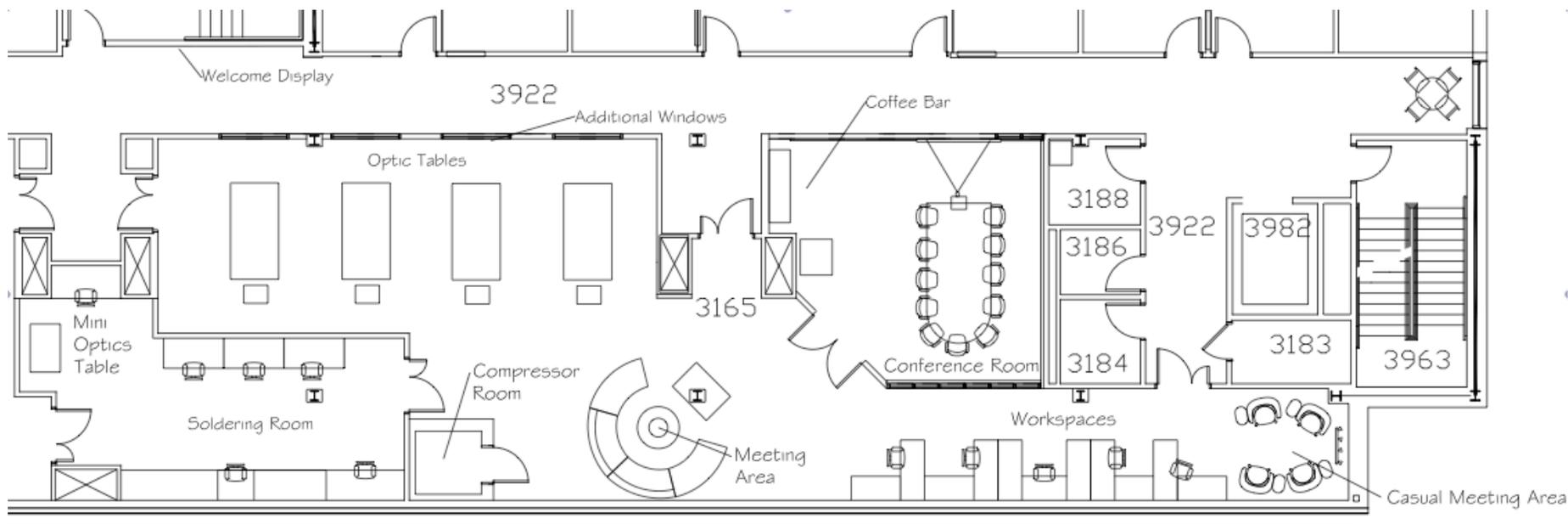


Before



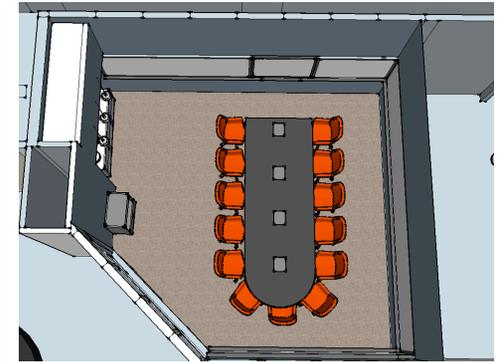
After

## Casual Meeting Area



# Floor Plan Two

Walls Modified



Conference Room



Conference



Smart Board



Collaborative Chair



Task Chair

Furniture- Steelcase



Before



After

Corridor - Welcome Display



Before

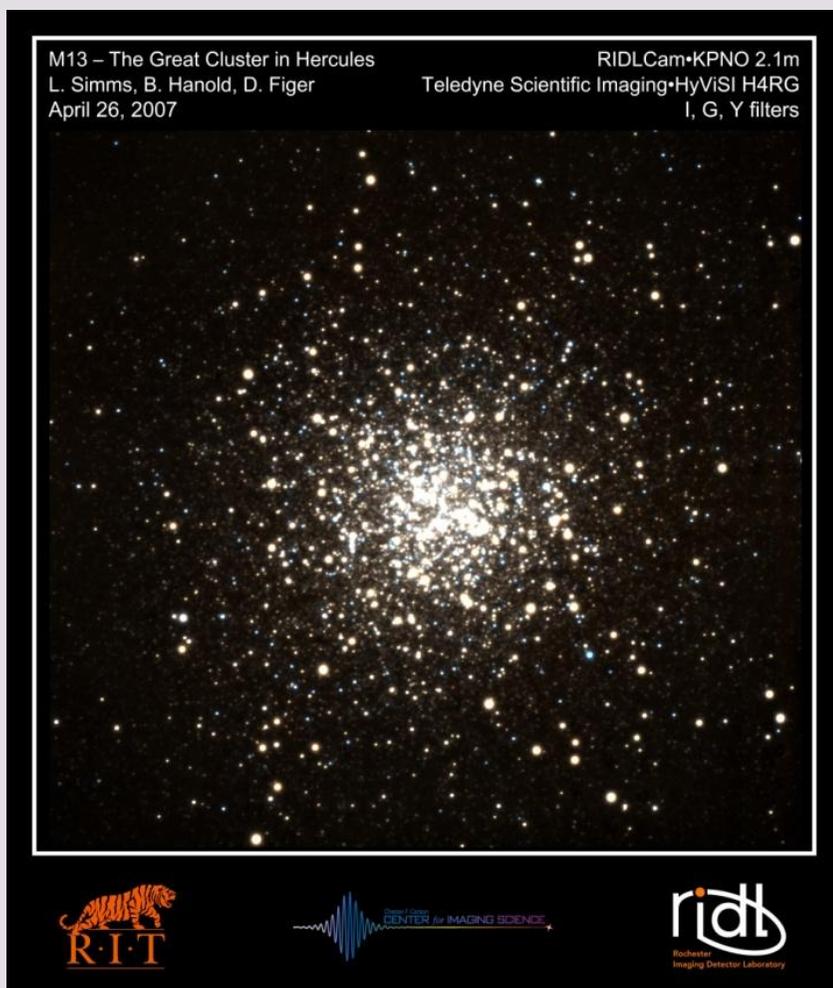


After

Corridor - Casual Meeting Space

# Center For Detectors

## SPECIAL PROJECTS



# Client Wants/Needs



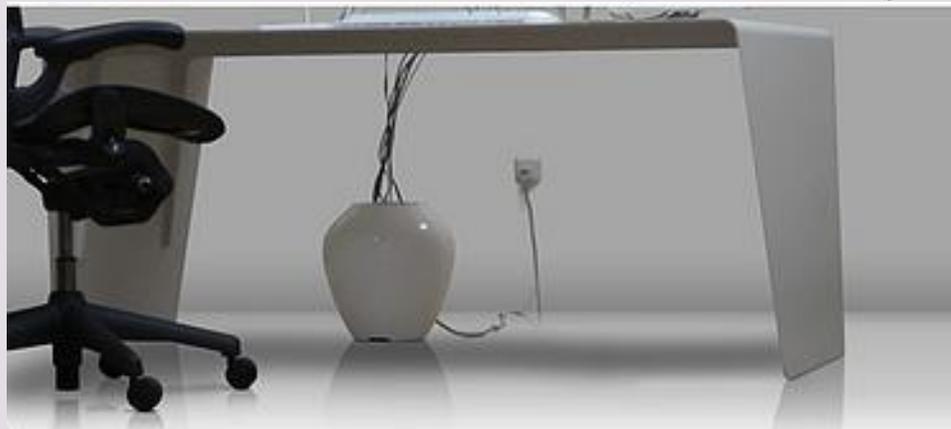
## Wants-

- Hallway signage
- Display work being done in the lab
- Have designated space to display images and sponsors
- Space for a fourth optic table

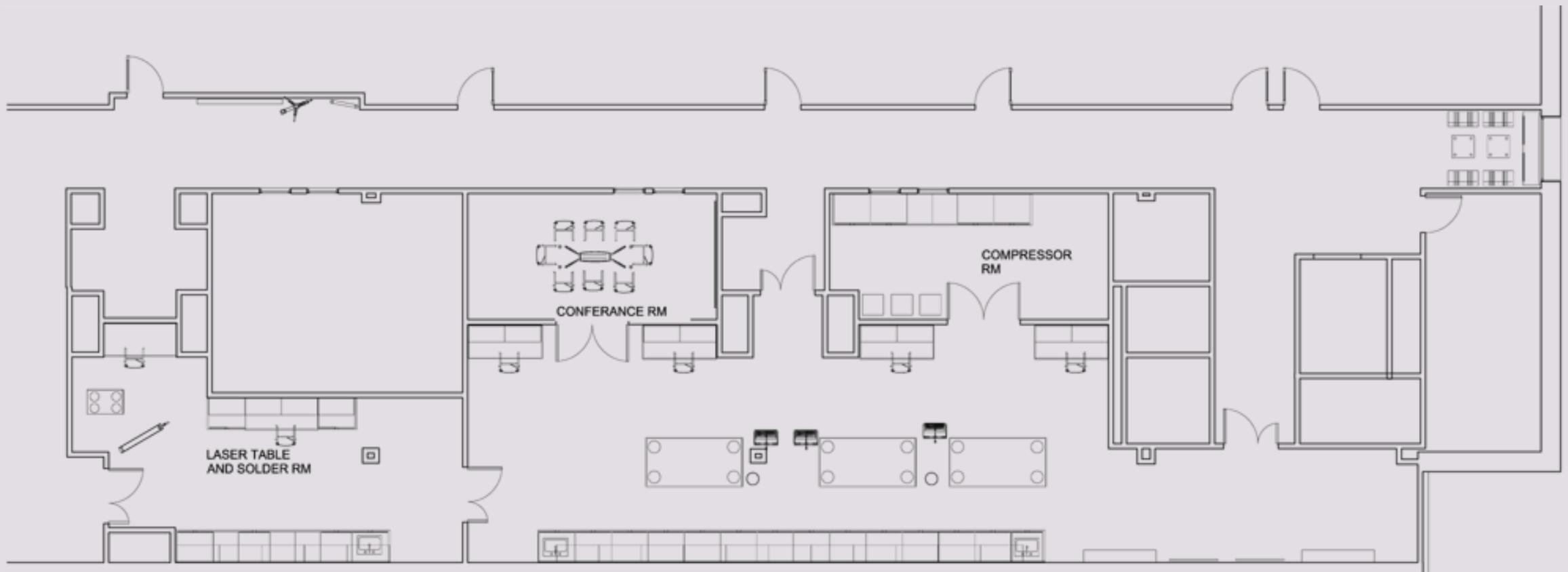
## Needs-

- Organization of cables
- Space planning
- Conference area

# Solution Inspiration



# Floor Plan- Original Walls



# Renderings- Original Floor Plan Conference Room



Conference room located  
where solder station was.



# Rendering- Original Floor Plan Lab

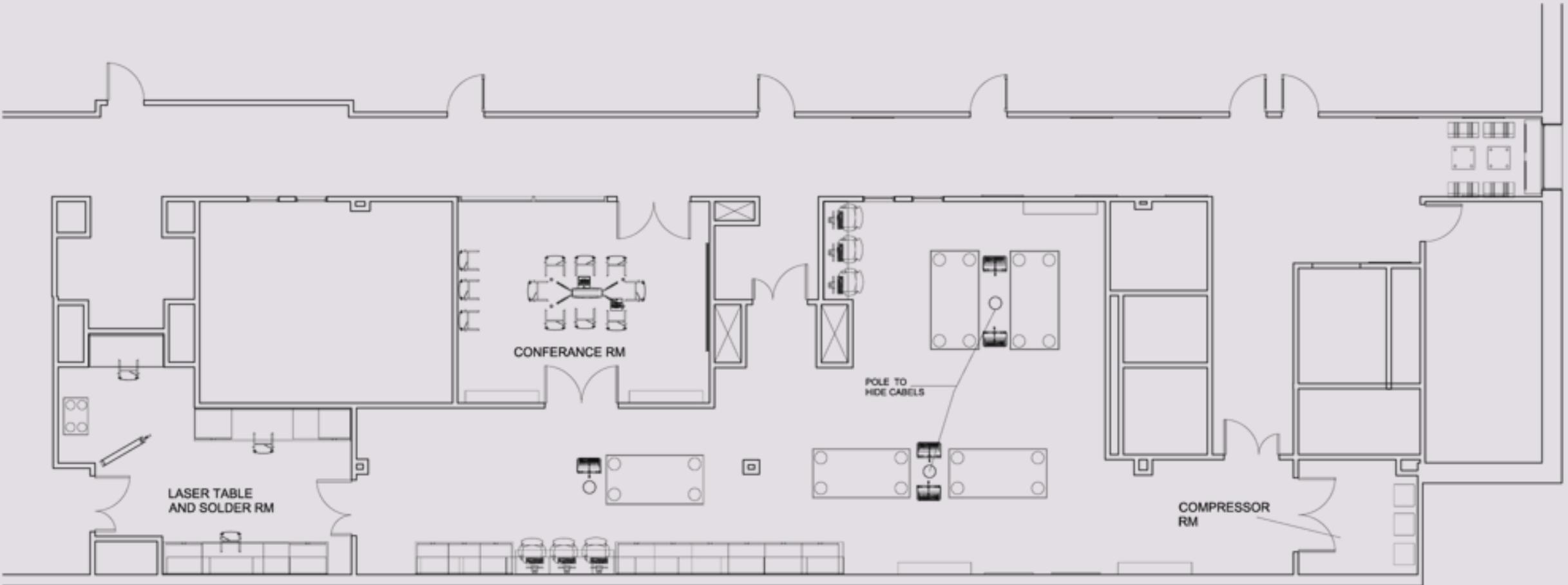


Hollow faux column  
to conceal cables.  
Non-load bearing,  
plastic/pvc. Holes  
can be punched in  
column for cable pull  
through.



Columns can be found at  
<http://www.wishihadthat.com/fullcolumns-2.aspx>

# Floor Plan – Modified

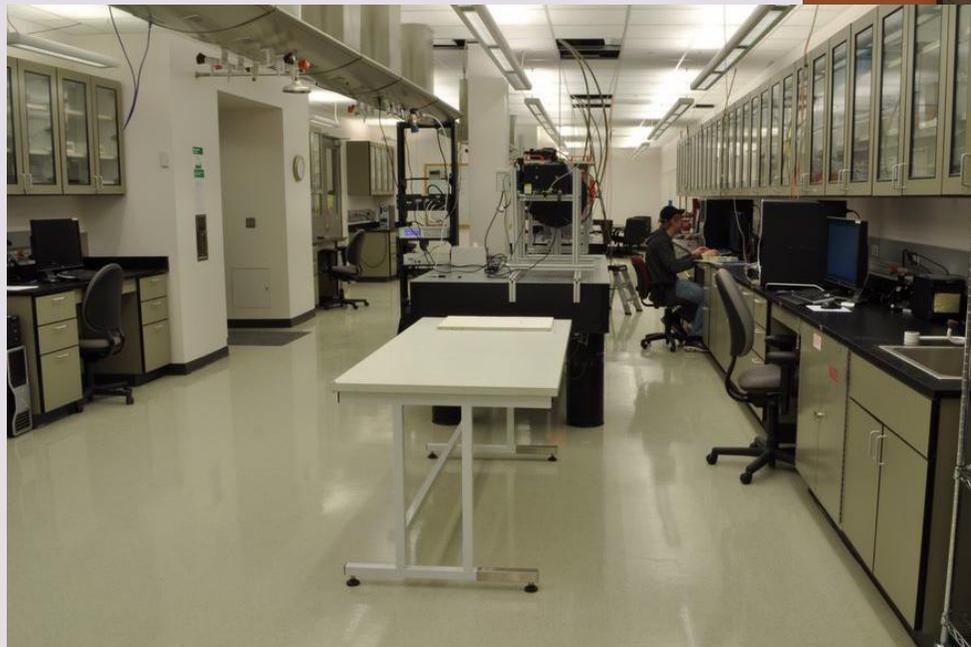


# Renderings-Floor Plan Modified

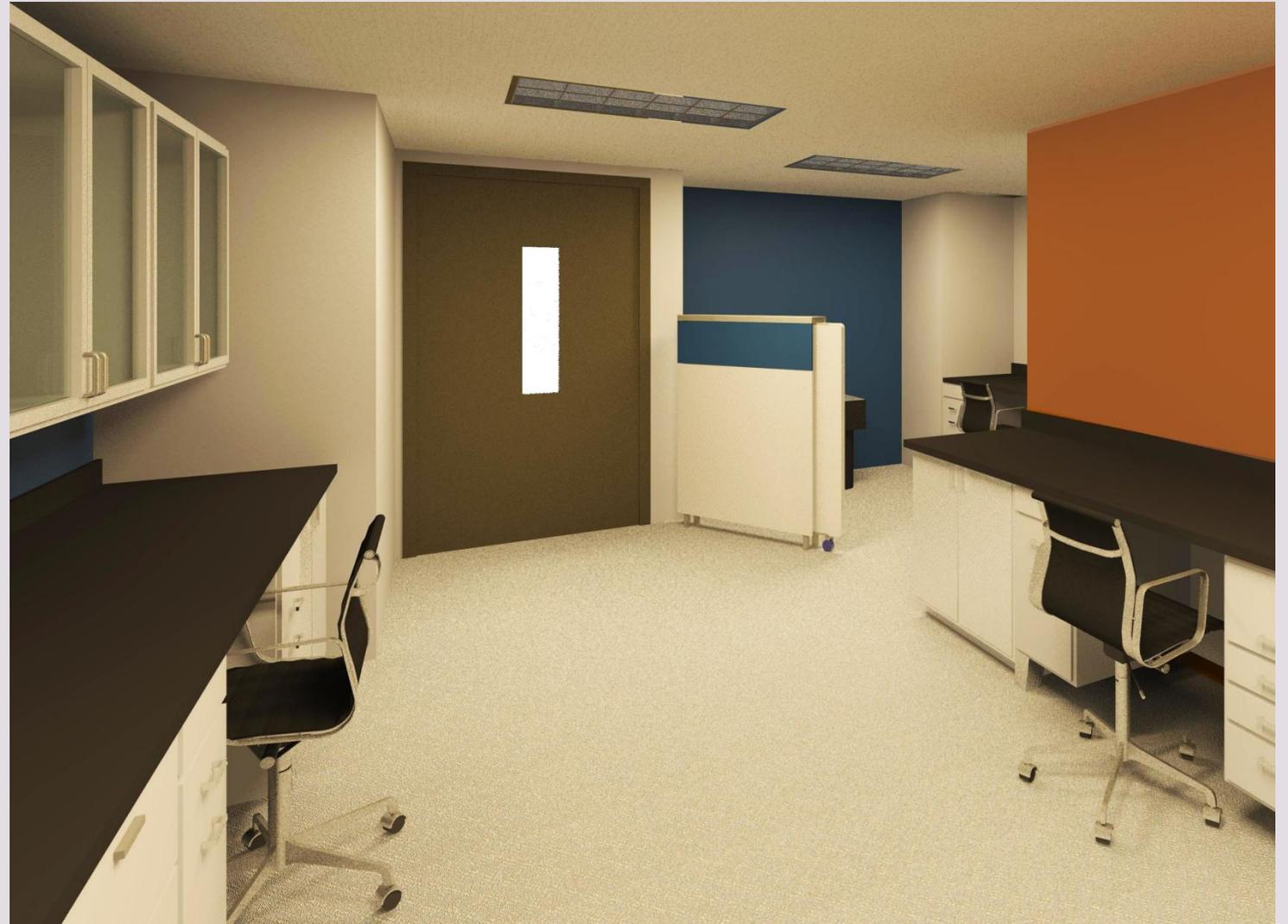
## Lab



# Renderings-Floor Plan Modified Lab



# Renderings-Floor Plan Modified Soldering/ Laser Room



# Renderings- Modified Floor Plan Conference Room



# Rendering- Either Floor Plan Hall



# Rendering- Modified Floor Plan Hall

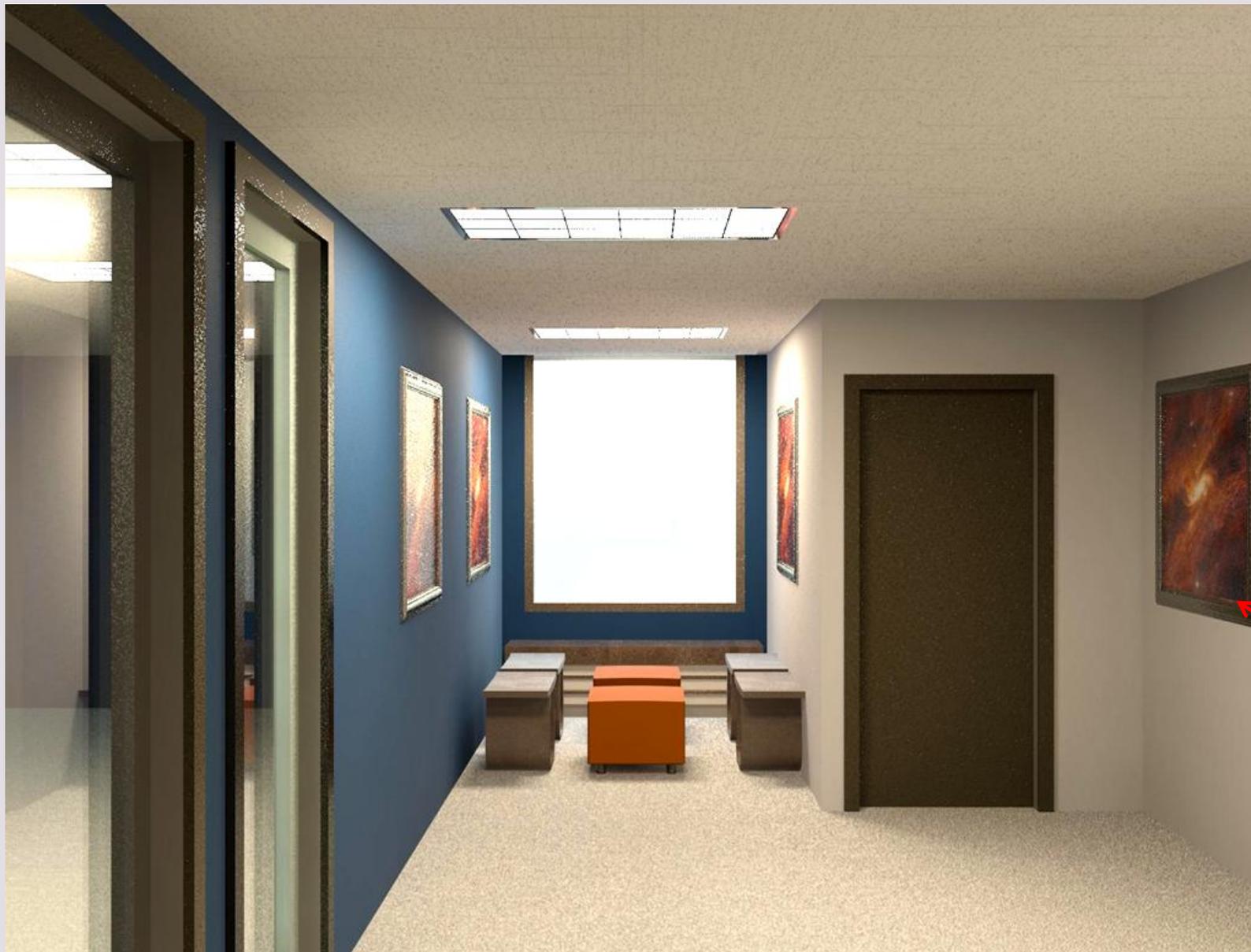


LCD monitors will display images and information about the lab and its projects

Windows now display lab and conference room

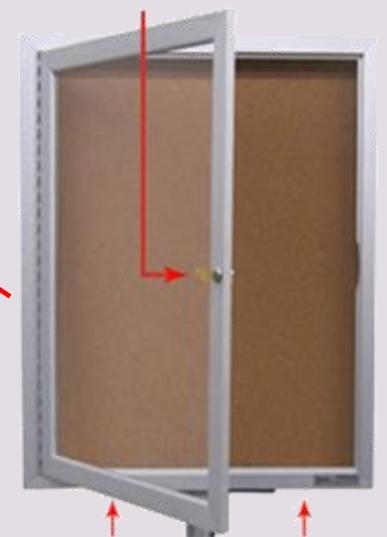


# Rendering- Either Floor Plan Hall



Display cases will house images and information about sponsors

SECURITY CAM-LOCK



# Materials , Finishes & Furniture



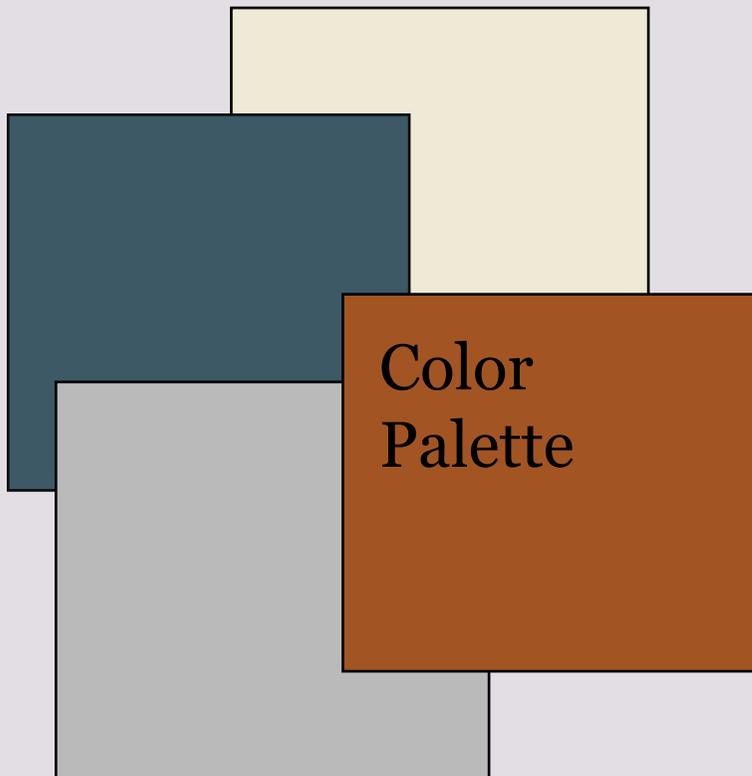
Flooring



Becca Stool



Eames  
Office chair



Color  
Palette



Coalesse –Await  
Ottoman



Steelcase  
Roller Screen

# RIT CENTER FOR DETECTORS

Special Projects  
Spring Quarter 2011

Jessica Johnson

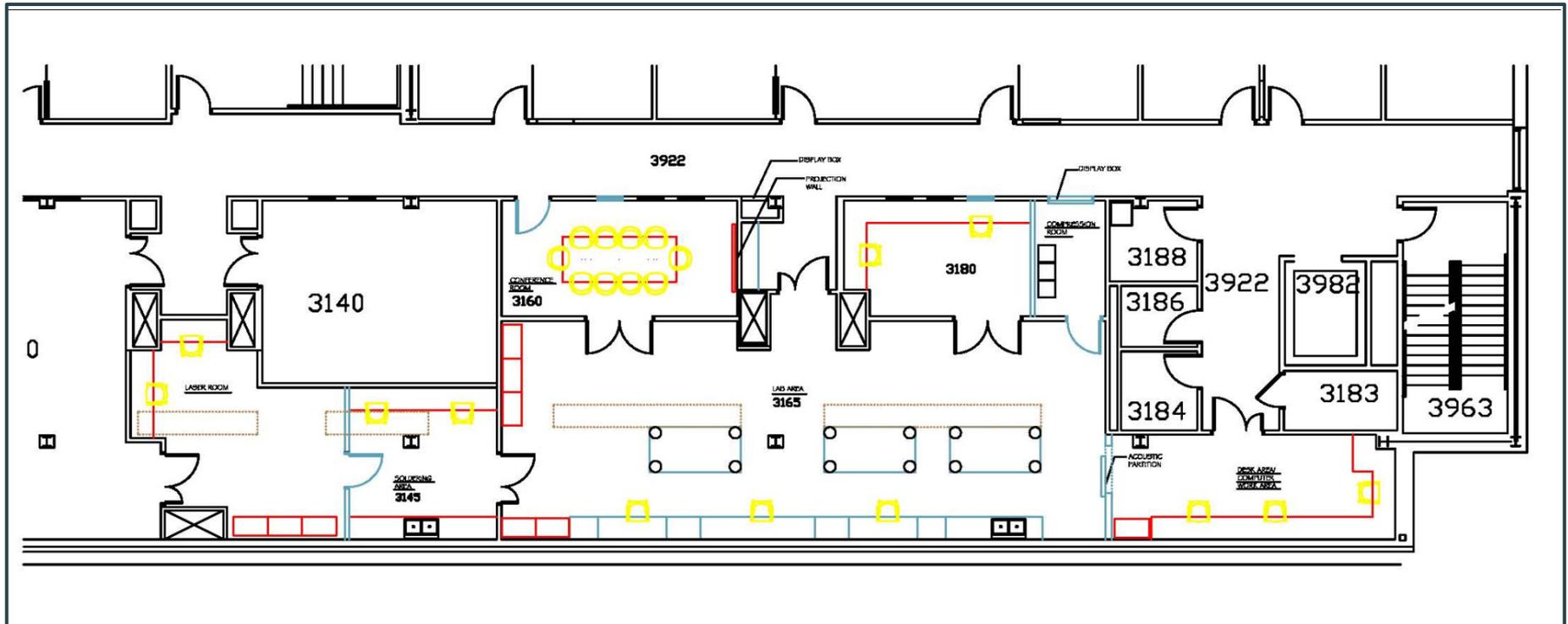
# Objectives

## Needs

- Lighting – Provide task lighting as well as warm lighting to make the space more usable and inviting .
- Cord/ Wire management – Use cord reel with manual controlled retract ability to assist in cord management.
- Acoustics – Provide adequate acoustics through use of double staggered wall to help control sound as well as acoustic tile ceiling.
- Utilize natural materials in order to bring warmth into existing space.
- Enhance the Space's usability by providing natural materials, adequate lighting, and acoustics.
- Provide views into lab space and work rooms to express that the space is active as the Center for Detectors.

# Option 1

## Floor Plan - Walls The Same

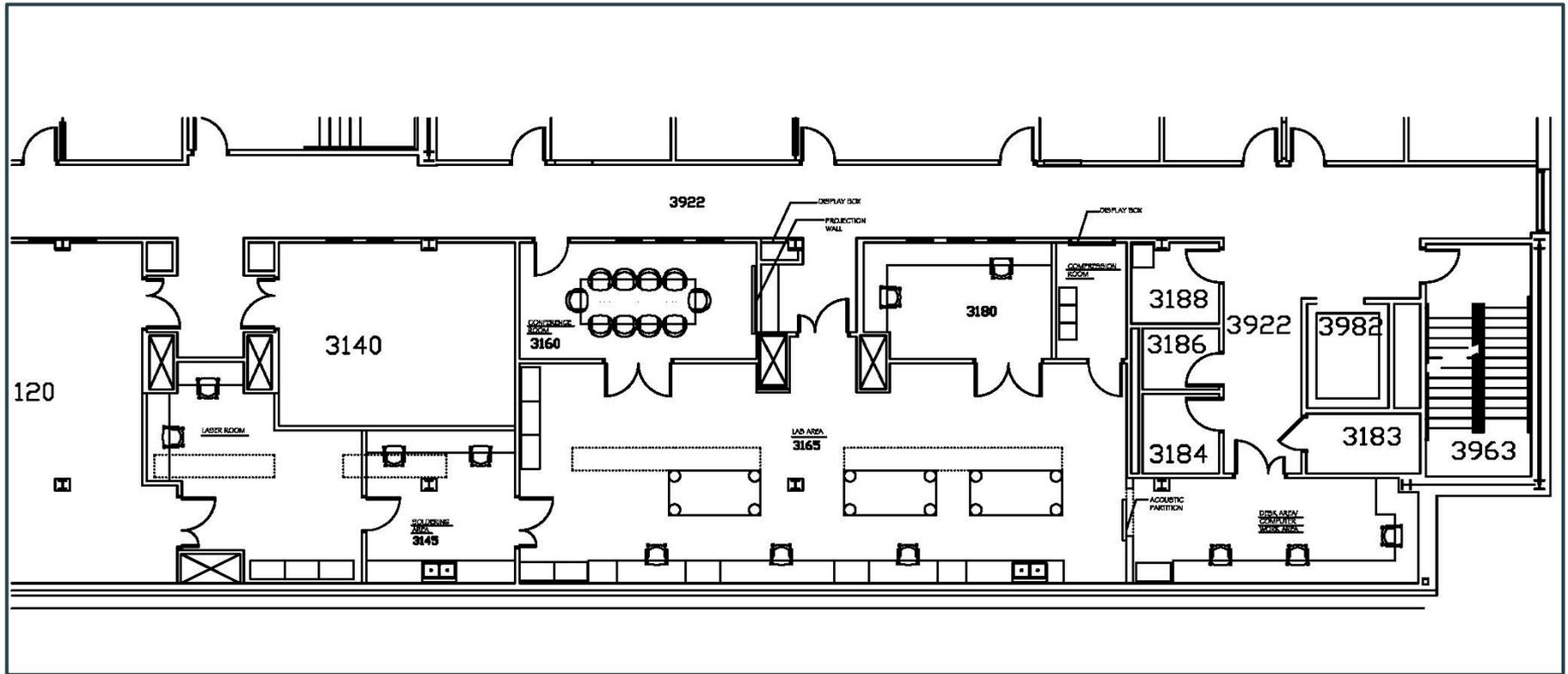


### Changes:

- Moved the conference, soldering room, and compression room.
- Made compression room smaller with staggered stud wall to help absorb the sound.
- Changed upper cabinetry in lab room by using Steelcase – Nurture laboratory solutions.
- Added windows in both the conference and work room in order to increase the amount of Natural light with in the spaces as well as promote productivity.

# Option 1

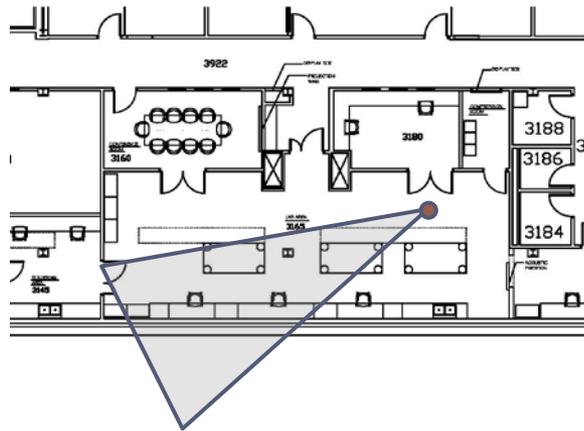
## Floor Plan - Walls The Same





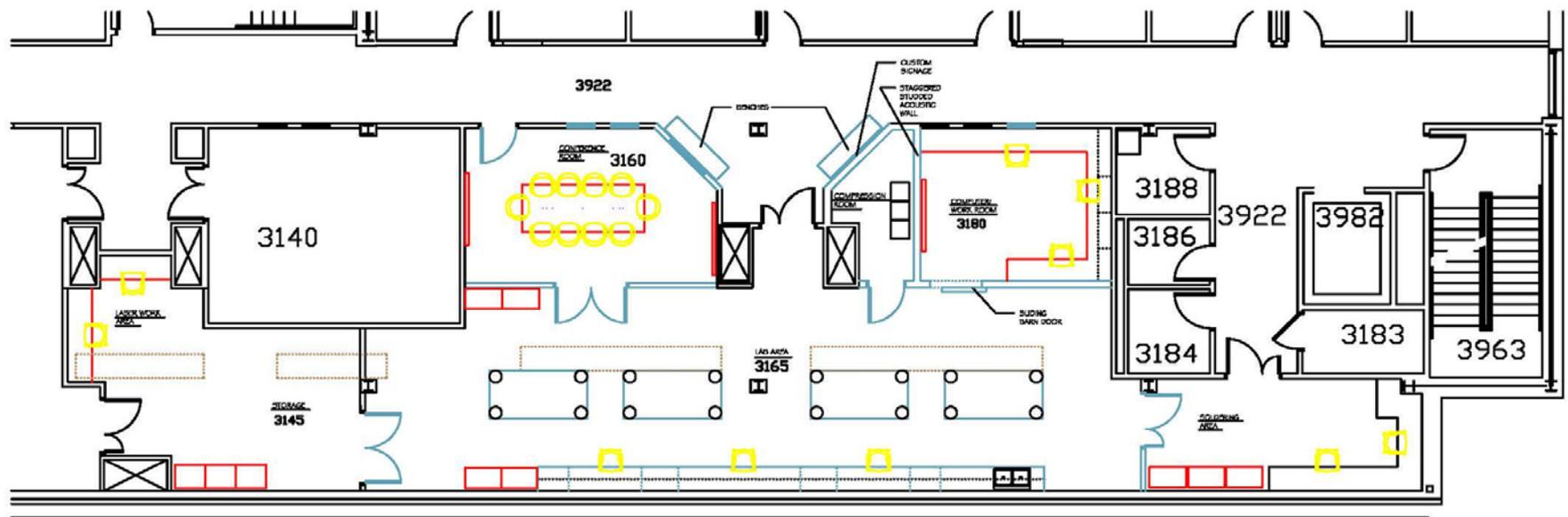
# Option 1

Option 1 - Floor Plan Walls The Same



# Option 2

## Floor Plan – Change Walls

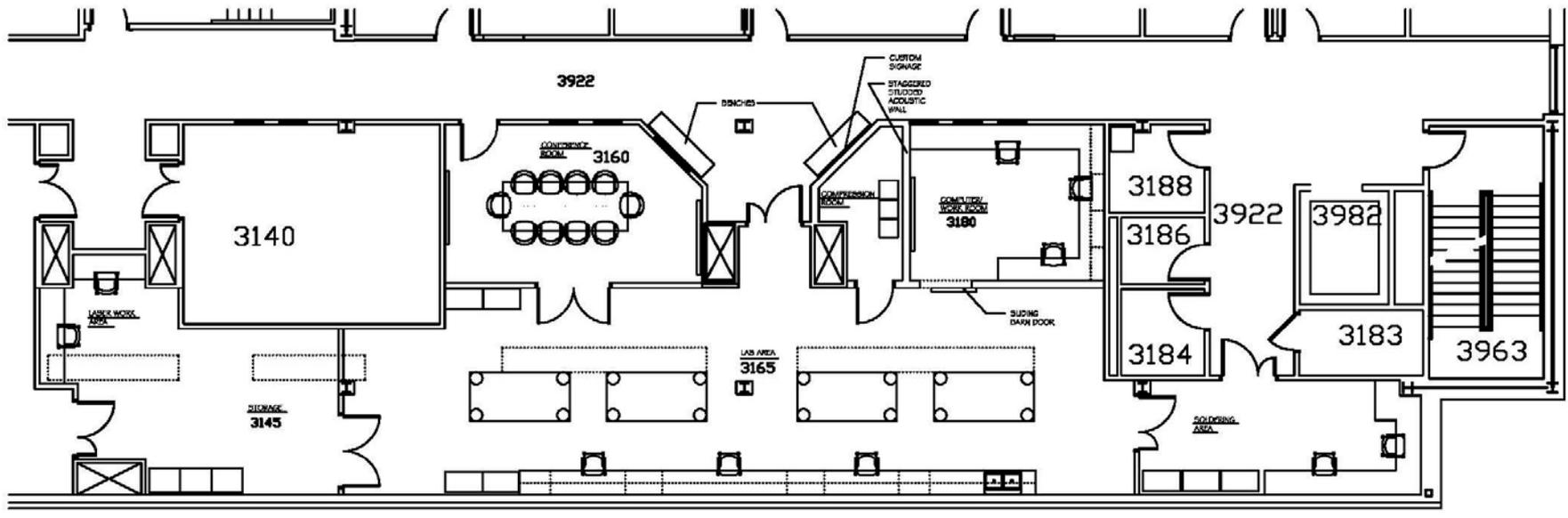


### Changes:

- Moved the conference, soldering room, and compression room.
- Made the conference room, soldering room, and storage area larger.
- Made compression room smaller with staggered acoustic wall to help absorb the sound.
- Added additional work room to help control acoustics – Nurture laboratory solutions.
- Added windows in both the conference and work room in order to increase the amount of Natural light with in the spaces as well as promote productivity.
- Used natural materials – to bring warmth into existing space.
- Utilize 2 x 4 Armstrong Acoustic paneled ceiling to help absorb sound.

# Option 2

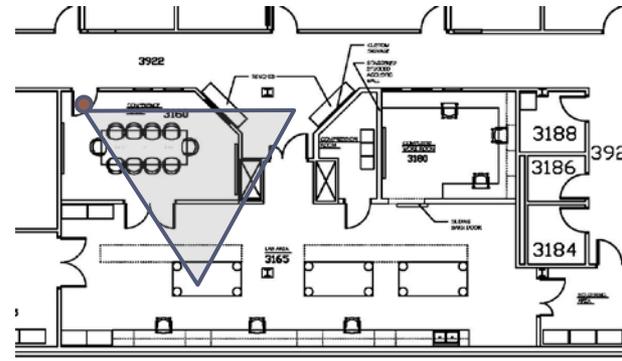
## Floor Plan – Change Walls





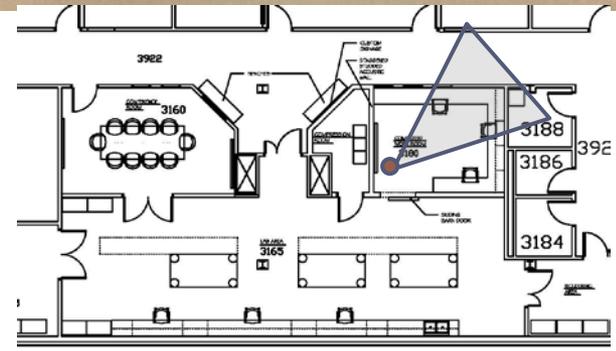
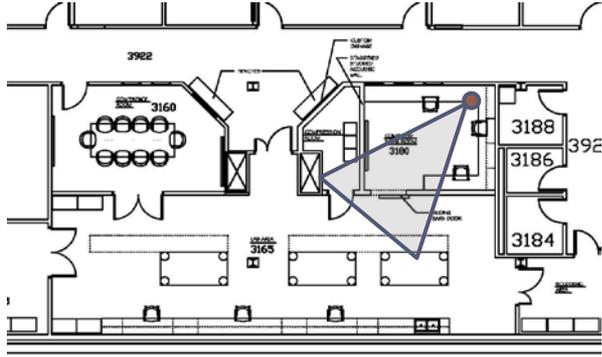
# Conference

## Option 2 - Floor Plan changed



# Work Room

## Option 2 - Floor Plan changed

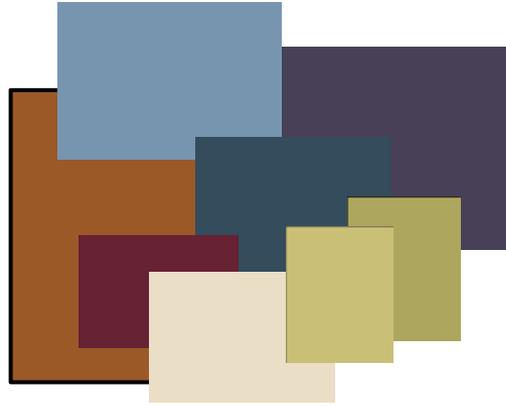


# Lab

## Option 2 - Floor Plan changed



# Materials and Finish



Nora Flooring



Modern interior Sliding barn door  
Used in between lab and work room.

# Steelcase Furniture



Convene Conference Table  
4' x 10' – Easy access to electrical  
Power

Steelcase  
Nurture Laboratory  
Solutions



Steelcase – Think Chair  
Used for the Lab and Work  
Rooms

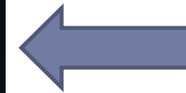
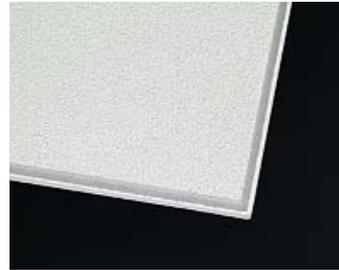


Kart Nesting Chairs – Provide  
Convenience for easy adjustment  
In number of people

# Solutions



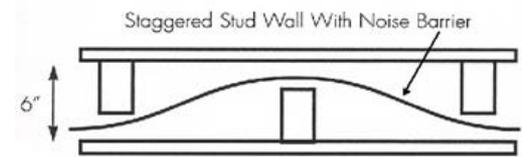
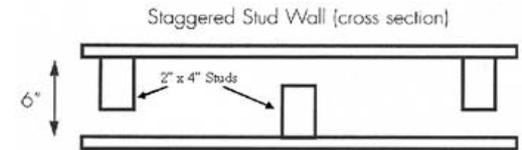
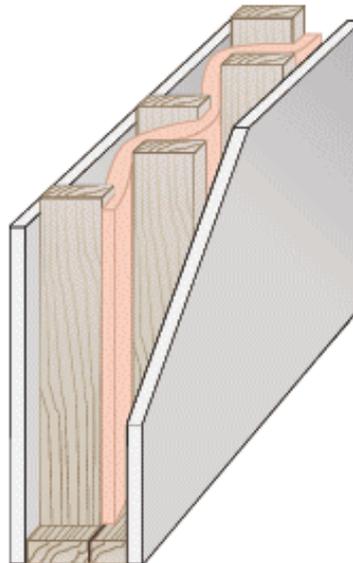
Cord control - plug mold



Mesa – Armstrong  
Acoustic Ceiling Tiles



Swing frame used to  
display larger posters



Staggered Stud Wall used  
for acoustics

# Lighting

Use of more task lighting and warmer lighting to provide adequate environment for productivity with in the lab, conference, and work room Spaces.



8" recessed down lighting



2 x 4 Fluorescent  
Troffer Lighting

# Imaging Detectors Laboratory

Jennifer Mueller

# Goals

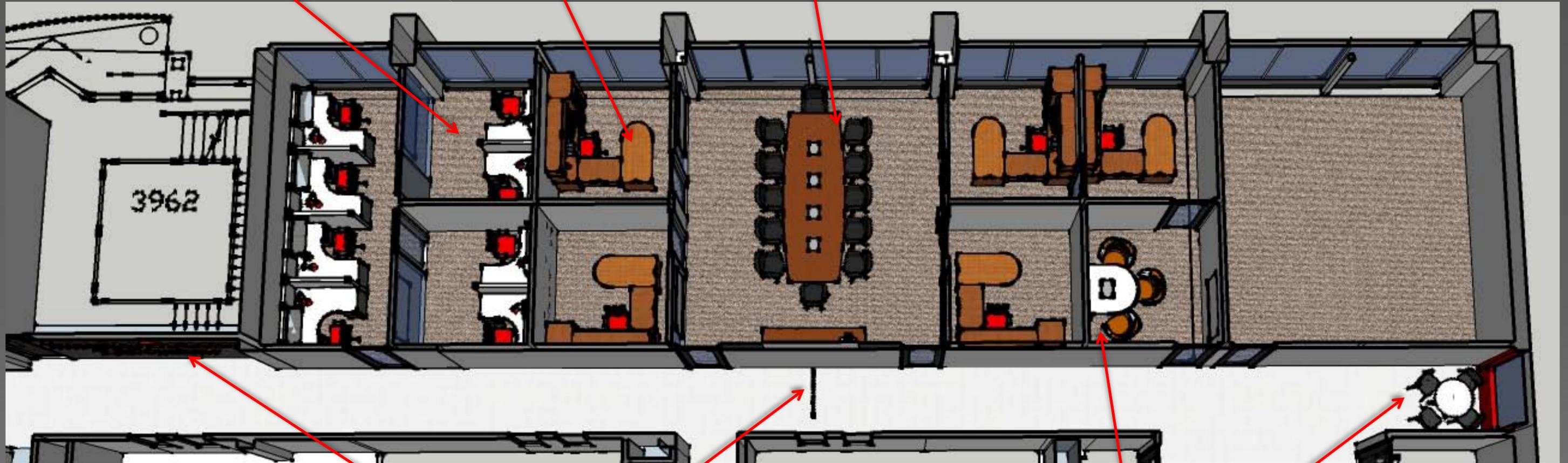
- Clear & Enticing Signage
- Add Color
- Displays
- Hide Unattractive Architectural Features
- Fill in gaps in-between offices
- Utilizing Space
- Increase # of Workstations

# Concept 1: Leave Walls

8 Student Workstations

5 Staff Workstations

Conference Room – Seats 12



New Signage

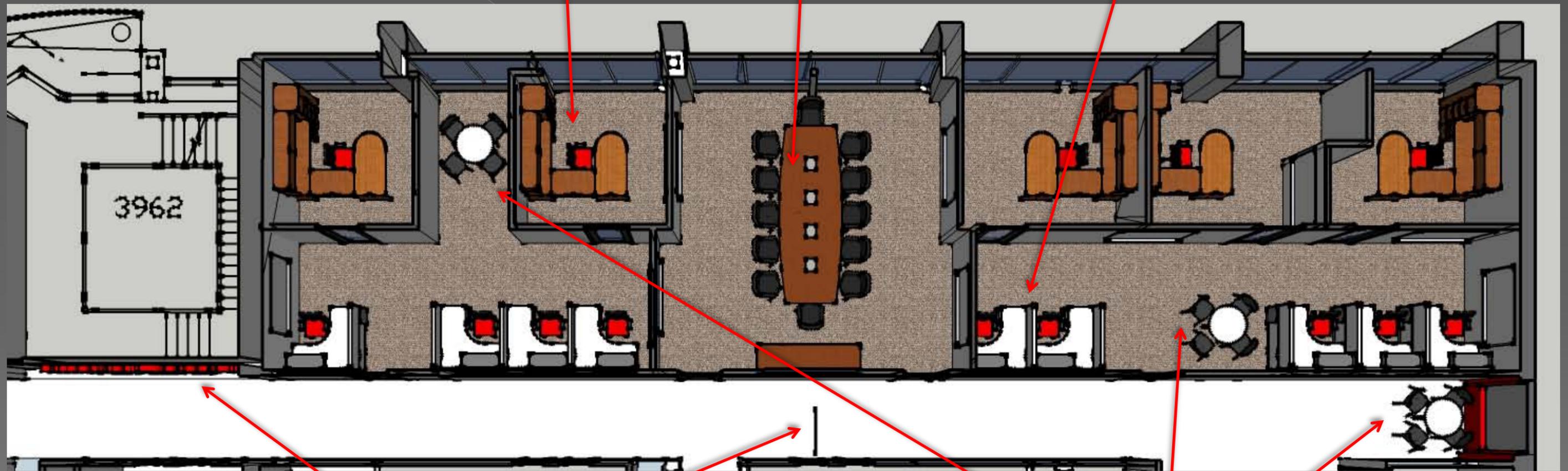
Intermediate Conference Room

# Concept 2: Change Walls

5 Private Staff Workstations

Conference Room – Seats 12

9 Student Workstations



New Signage

Intermediate Conference Room

# Workstations

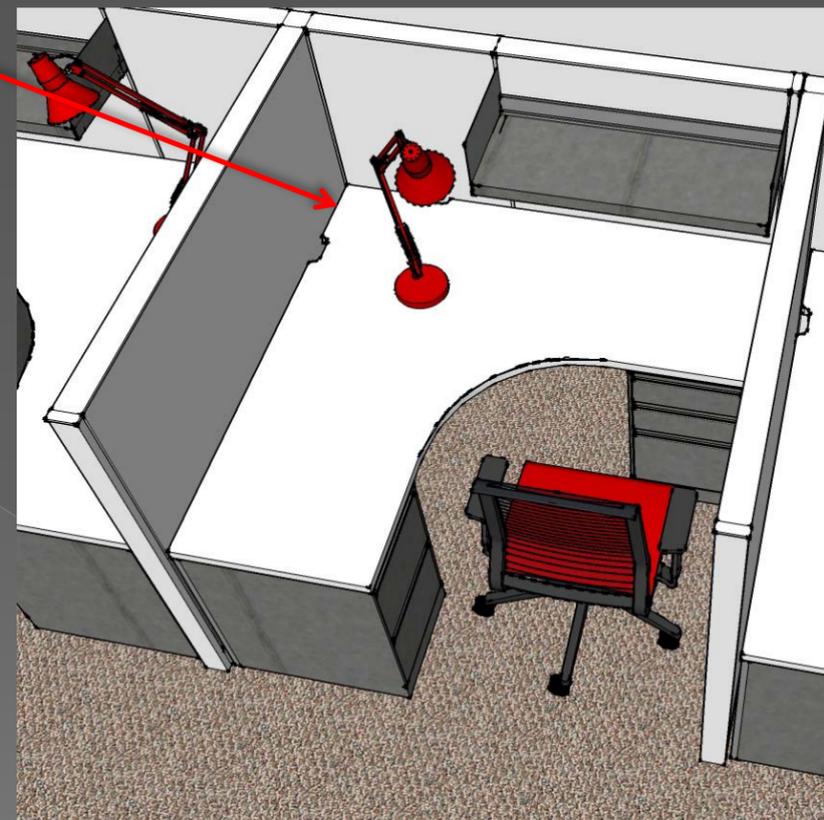
Staff Workstation  
Steelcase - Answer Familiar Friend 2



Incorporate Task Lighting at Each Station



Student Workstation  
Steelcase - Answer Panel



Low Pressure Laminate - 2L30 Arctic White LPL

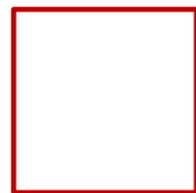


Metal - 8042 Brushed Aluminum



Cherry Quarter-Cut Natural Veneer - 3122 Medium Cherry

## Paint Colors



White Walls



Accent Horizontal Architectural Elements



Accent Vertical Architectural Elements



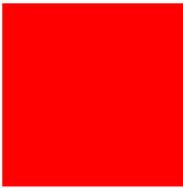
Reply Task Chair



# Conference Room

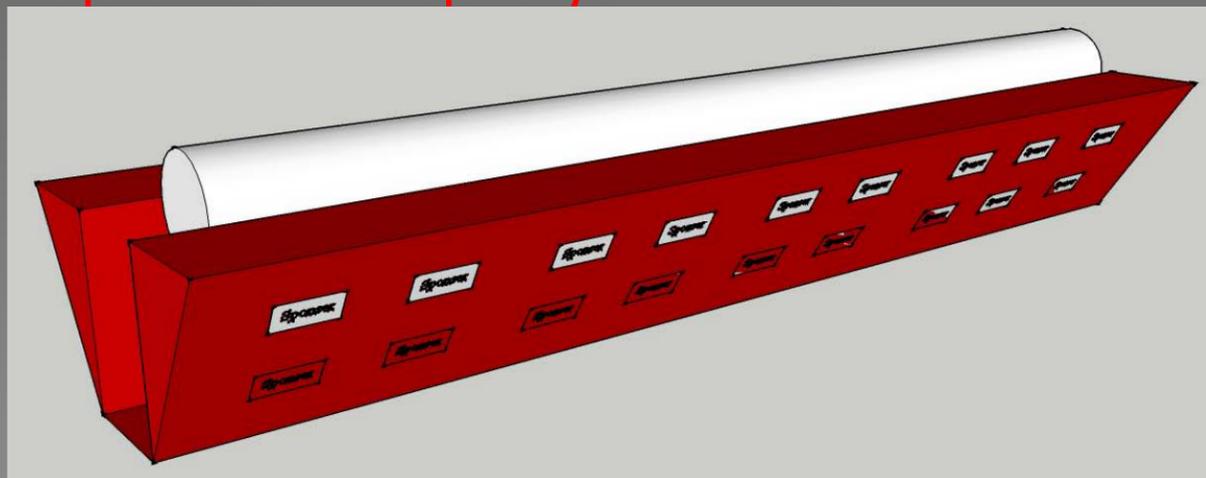


## Paint Colors

	Accent Horizontal Architectural Elements		Accent Horizontal Soffit And Display
	Accent Vertical Architectural Elements		Wall Color

Coalesse – host table  
Conference Chair - Bindu

Sponsor Display hides HVAC



To increase  
Privacy:

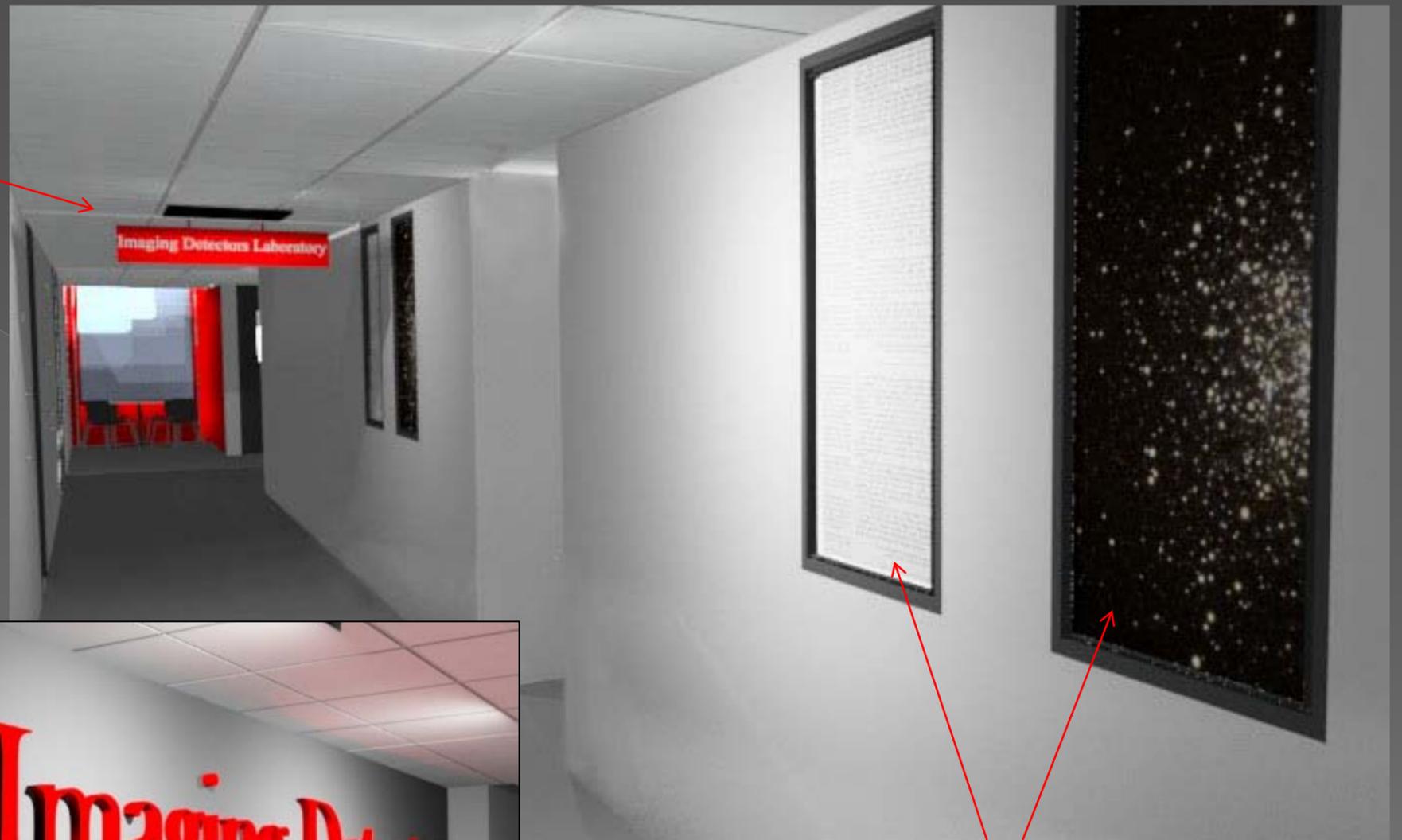
- White Boards on Windows
- Black-Out Shades on Windows & Doors



# Signage & Hallway



Custom Overhead Signage



Bob Table by Steelcase



Signage in setback in hallway near stair entrance

Display in Windows - posters or digital

The Center For Detectors at RIT

# **SPECIAL PROJECTS**

Hayley O. Lewis



Small Work Stations

Less un-used Work Stations

Low Partitions

Simple Clean Work Surface

Organization



Provide Visual Cleanliness

Provide Less Space | Simple Partition

Provide Open Spaces | Less Storage



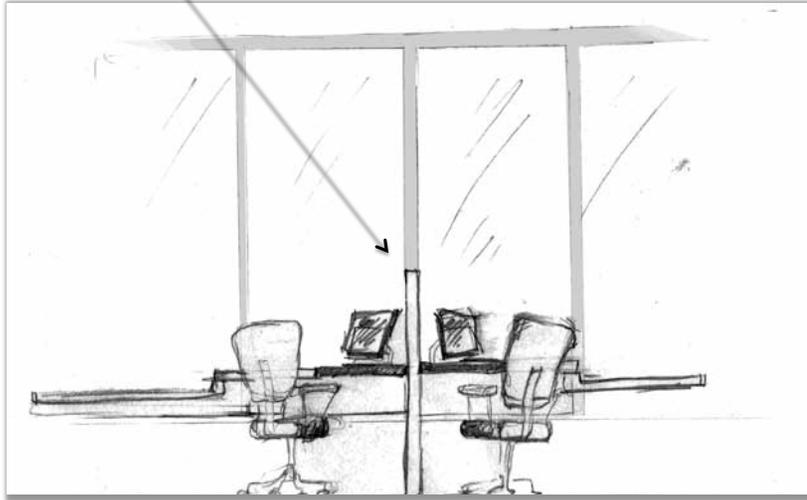
# NEEDS

Goal . Provide interaction, ideation & productivity.

# IDEATION

Group . Easy Interaction

LOW Partitions | Open Space for Light Penetration

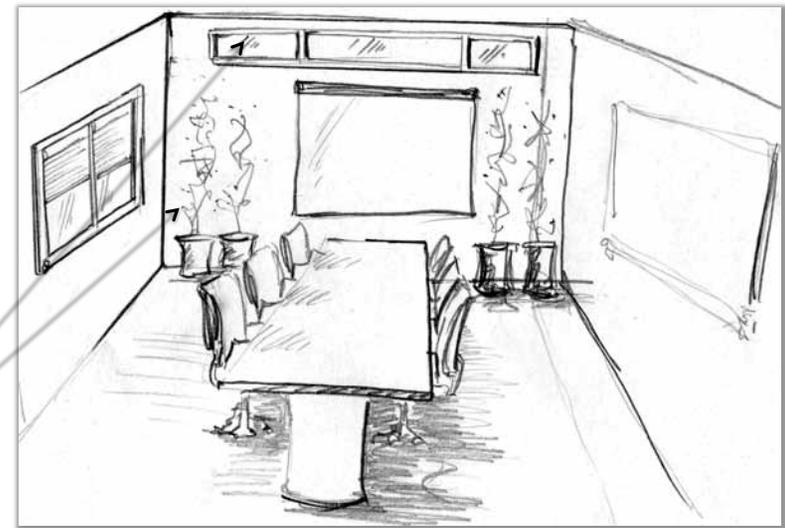
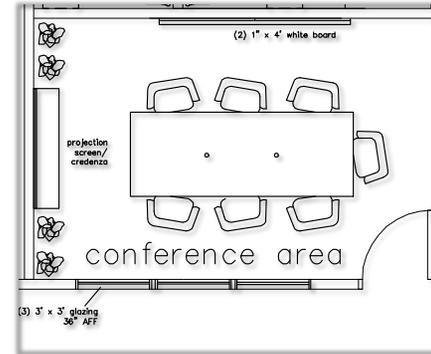


Typical Student Space

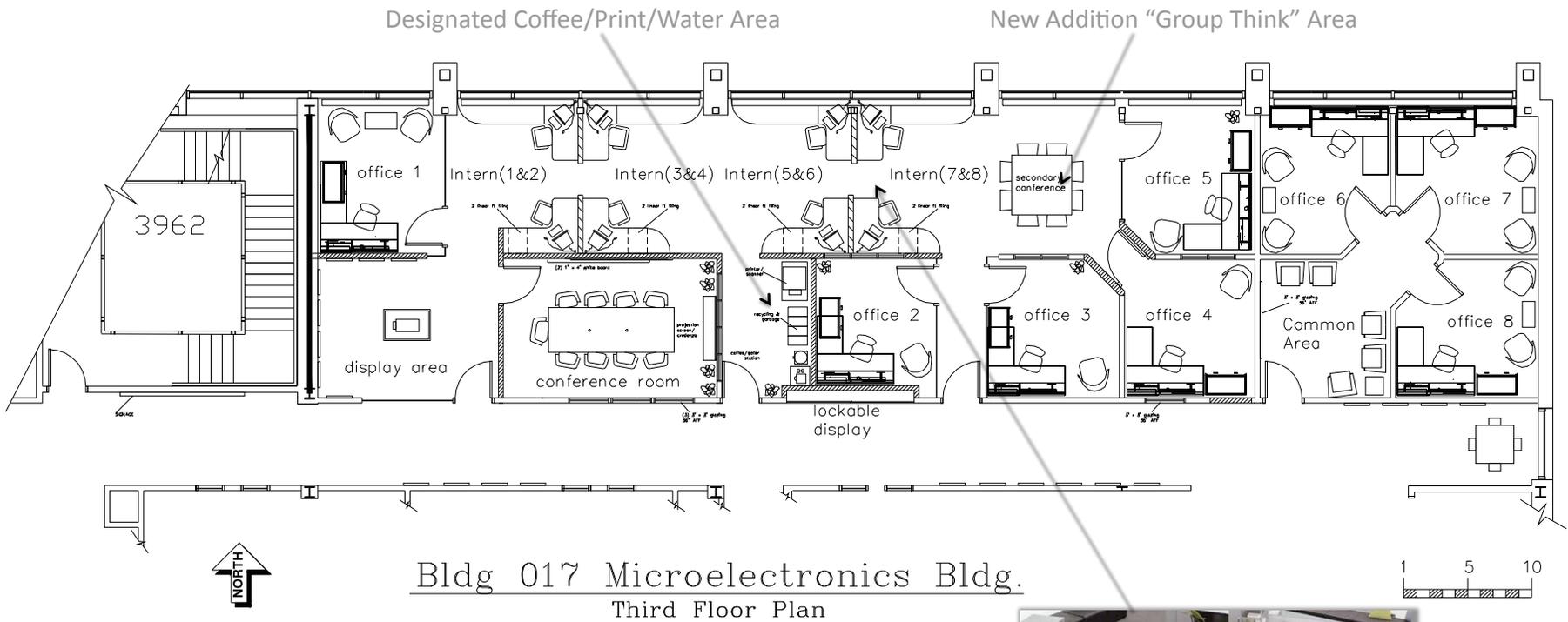
# IDEATION

Space Efficiency

Plant Life & Day Lighting  
To Create a Healthy Happy  
Environment



Conference Room . Whiteboard . Projector

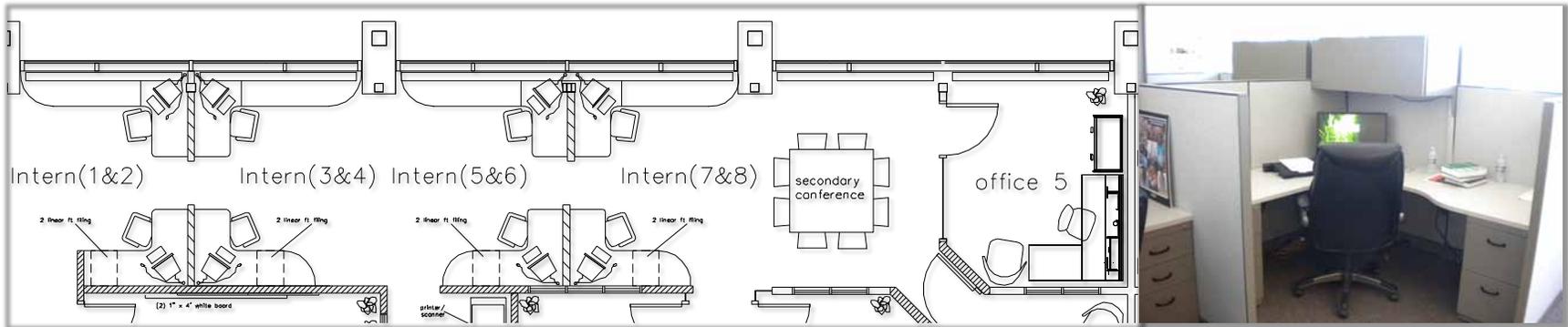


# FLOOR PLAN [NEW]



(Intern Desks) Context . Modular . Small foot-print

/hatched walls are new or re-worked/



Zoomed View of NEW floor plan [Intern Desks]

Existing

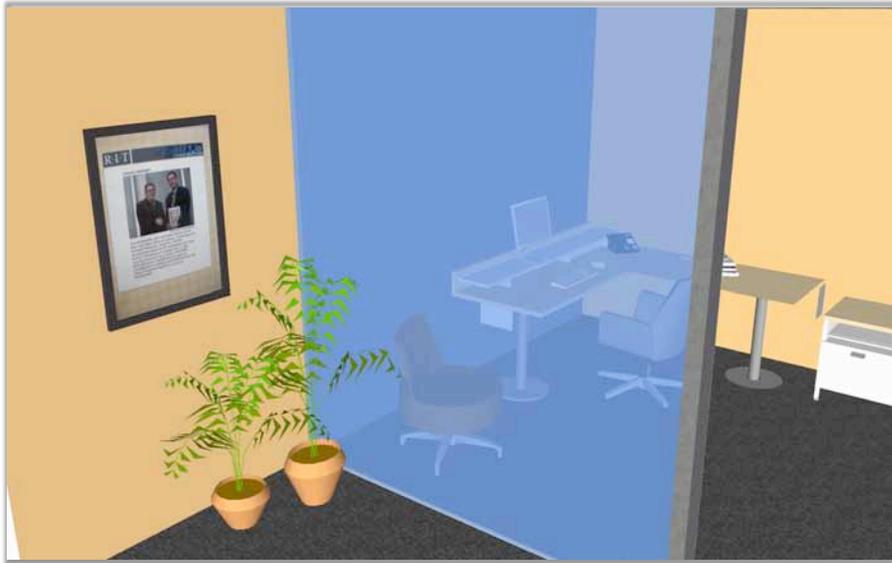
Display Areas | Sponsors

Individual Lighting | Dimmers | Shades  
For Personal Comfort

# [NEW] DETAILS



Context . Modular . Small foot-print



Displayed Art . Plant Life . Private Office



Current

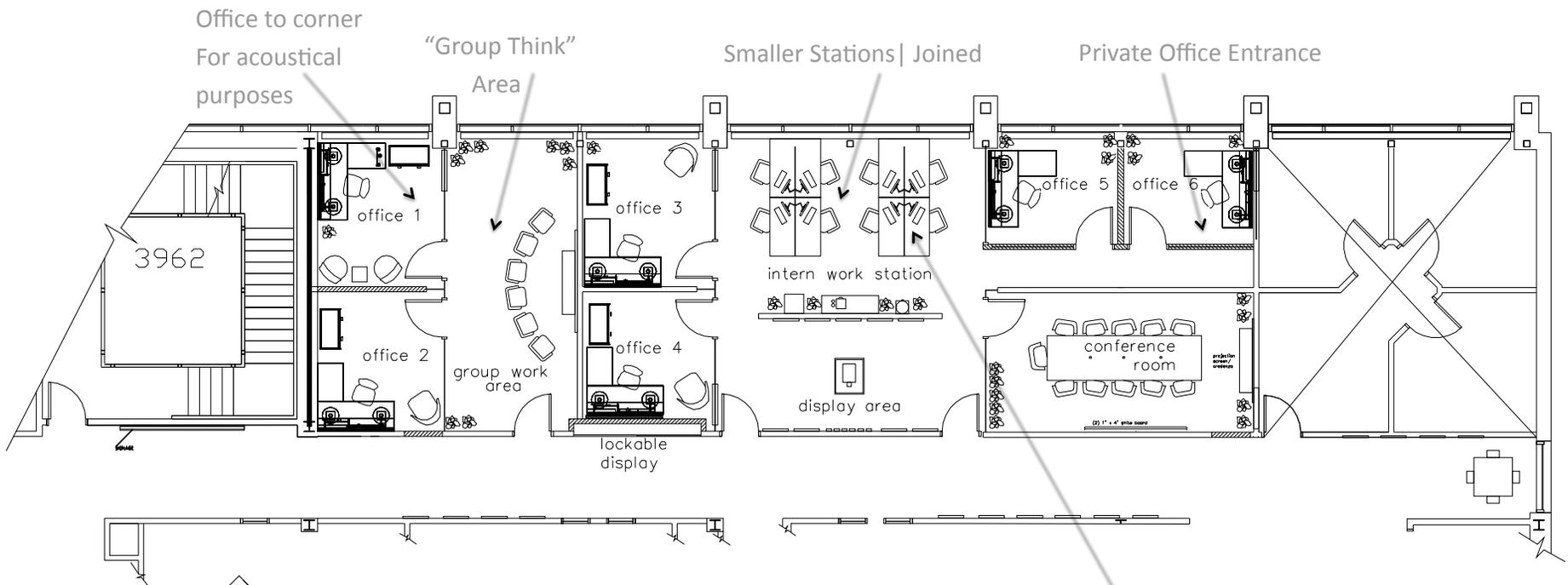
# [NEW] DETAILS

Placement . Focus



Current

Displayed Art . Plant Life . Private Office

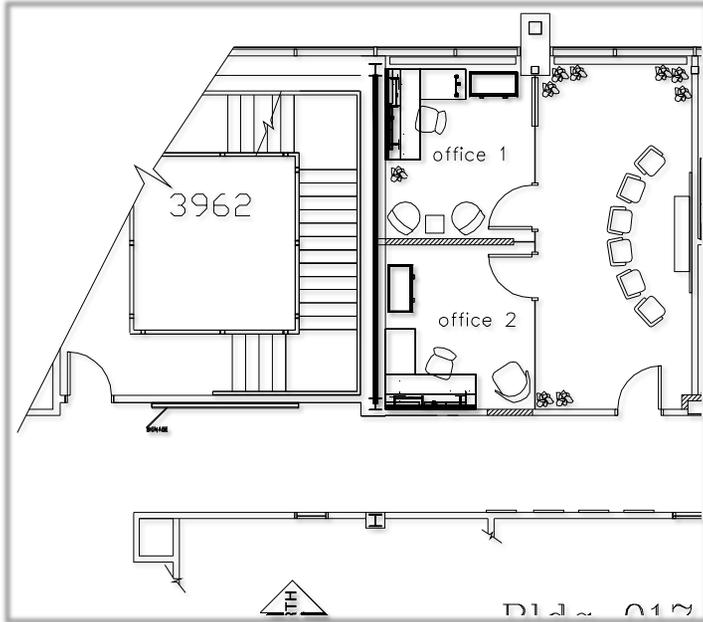


Bldg 017 Microelectronics Bldg.  
Third Floor Plan

# FLOOR PLAN [EXISTING]



(Intern Desks) U-Free . Modular . Panel-based



Plan View of Existing Plan

# [EXISTING] VIEW

Use . Function



Perspective View of Existing Plan



Existing

Signage Used For Both Plans



Entryway Signage - Aluminum



Existing Design -Group Conference Area

# [EXISTING] DETAIL

Before & After

Typical Private Office (both plans)



Current

TOPO Work Stations . Adjustable . Individual

Adjustment = Longer Productive Work Time



TOPO Work Stations . Adjustable . Individual

Private Office Furniture  
(used for both plans)



TOPO Storage System

Compact  
Common Storage



Leap Chair



Arm-Extend  
Table Lamp

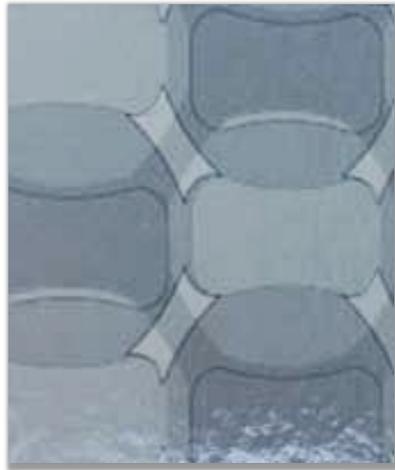


Rocky Chair

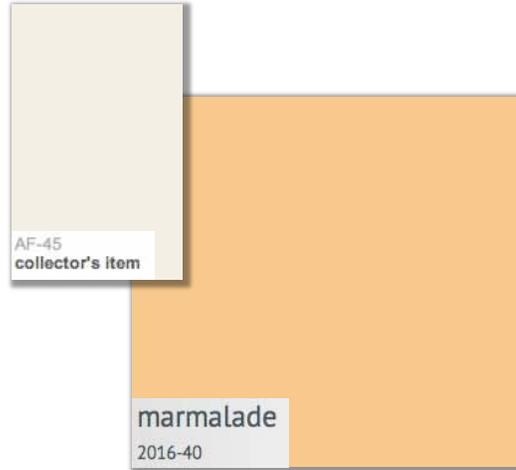
Casual & Occasional Seating  
Compact | Foldable | Easy Storage

# FURNITURE

Comfort . Adjustment



Style #: AP303 000  
3M Privacy Partitions



Benjamin Moore: Natura Paint



100% Recycled Poly  
Hula Hoop 3297

# MATERIALS

Cleanable . Add Color



Blackout Blinds  
Reduce Interruptions

FF&E Same  
For Both Plans

# Center for Detectors

Rochester Institute of Technology  
Spring Quarter 2011



Allison LaChance



create a better solution for an occupied space

noise control

organization

incorporate collaboration spaces

add multiple display options for CfD work

create a lobby/reception area for better circulation of the space

office privacy

capture exterior daylight

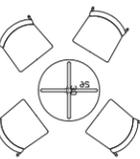
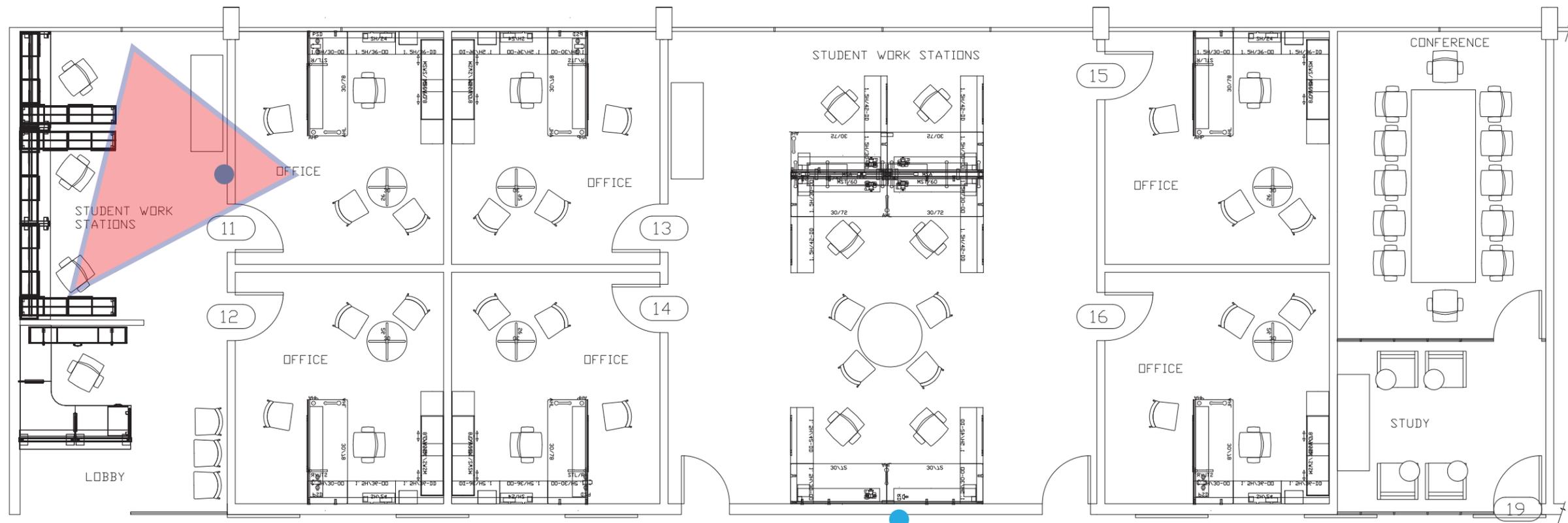
give life to the space through the use of color

# floor plan 1

## way-finding & signage



## display

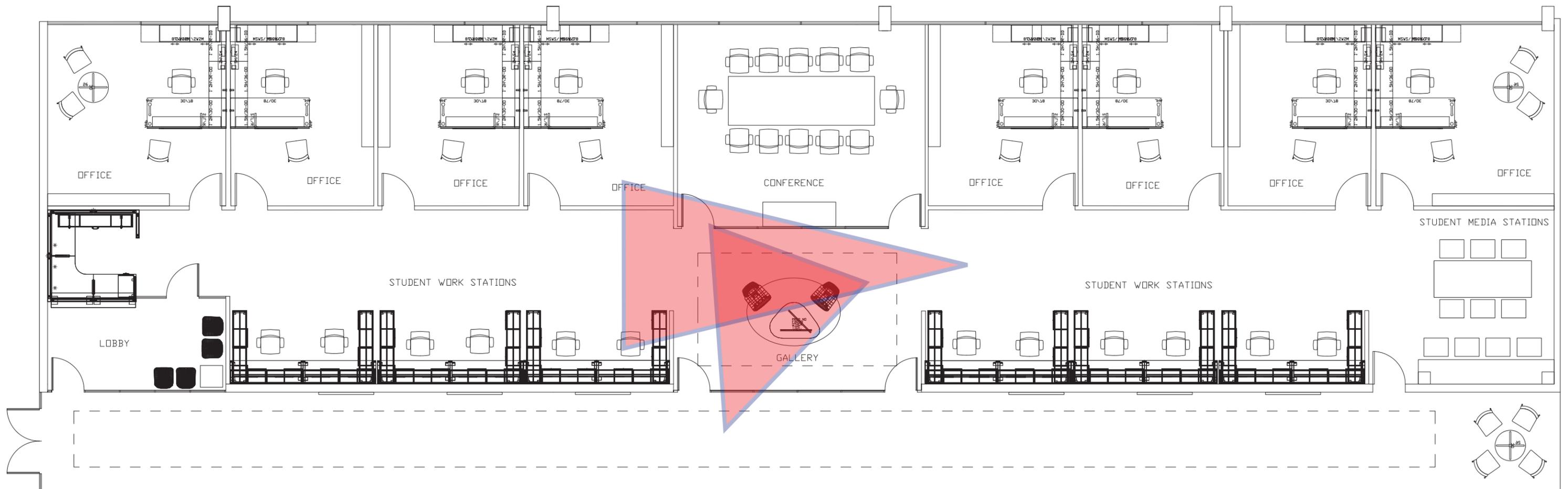


pros: lobby/reception area, centralized student stations with collaborative meeting space, each office has abundant storage, display on LED TVs in hallway



floor plan 2

inspirational images



pros: lobby/reception area, student stations adjacent to all offices, centralized conference space, each office has abundant storage, display on LED TVs in hallway, various ceiling heights for noise control, collaborative media station for students, gallery displays CfD work



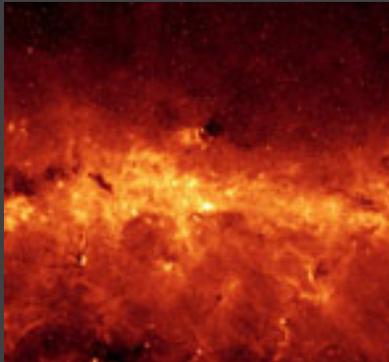






Steelcase®





# CENTER FOR DETECTORS



Casey O'Neill

# Pre-Design Research

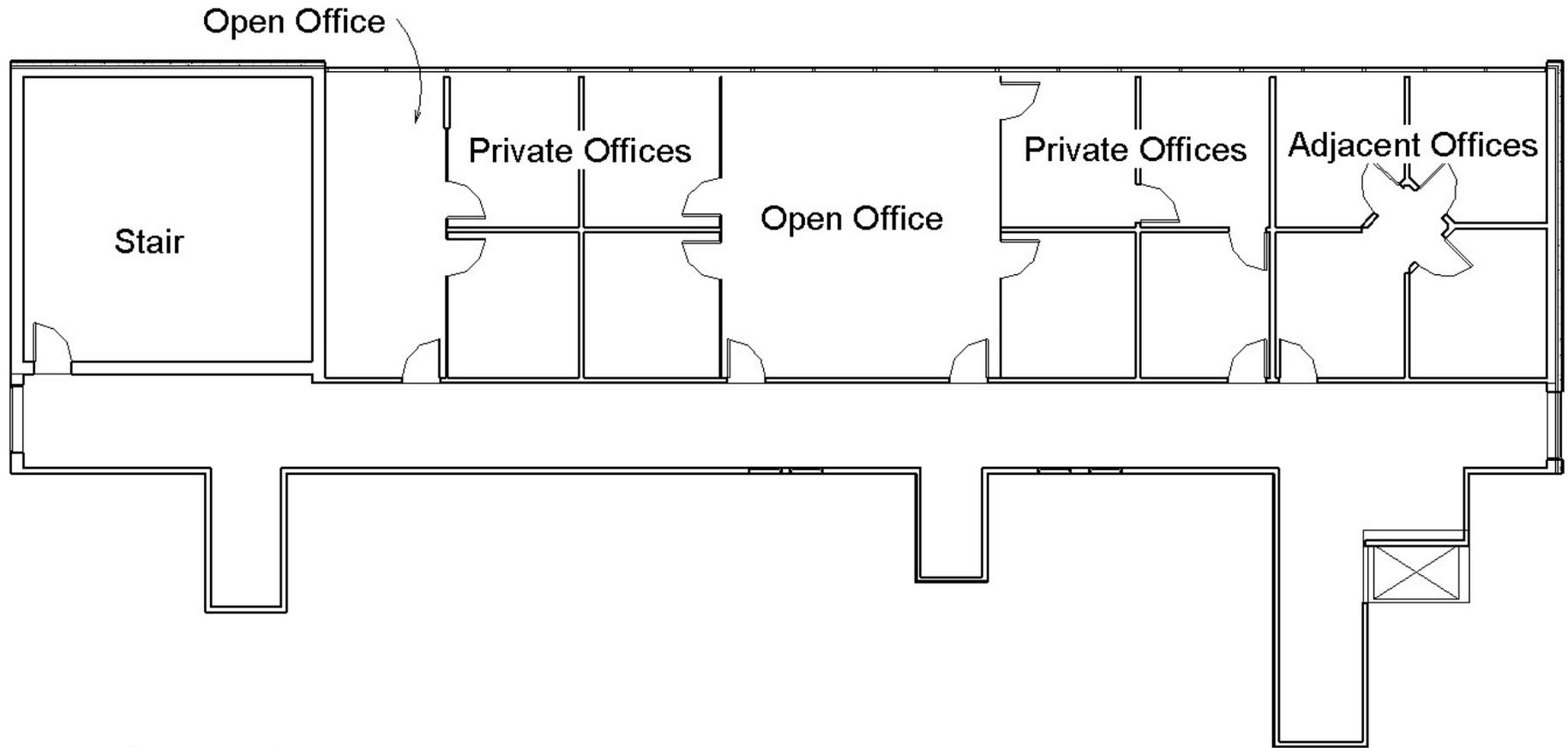
## Problems

- ❑ Acoustical Problems from laboratory
- ❑ Awkward Private Office Entrances
- ❑ Over-sized, Cramped Open Offices
- ❑ Display of Sponsors Logos
- ❑ Wants to brand the space with what they do

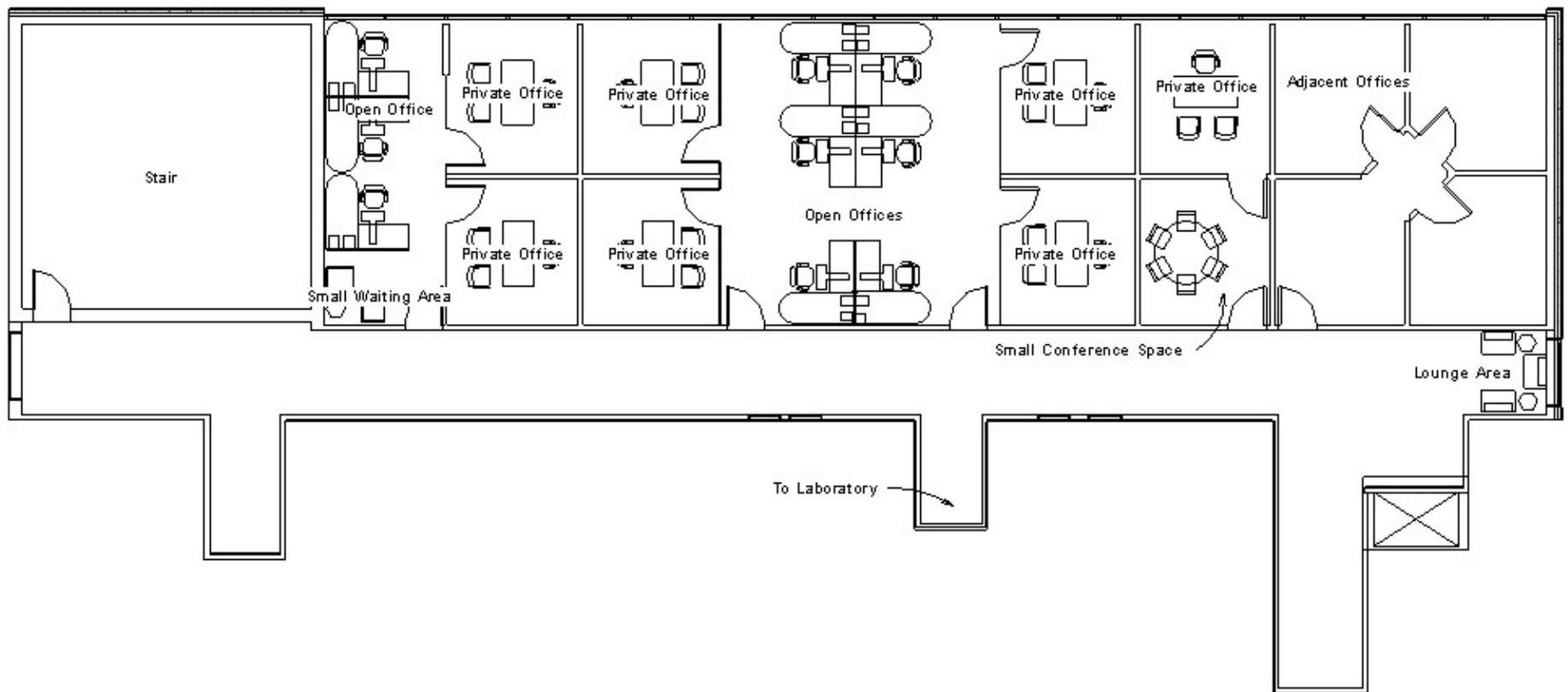
## Solutions

- ❑ Centralize all office spaces to promote connectivity
- ❑ Define a conference space
- ❑ Display Sponsor materials and examples of detector work
- ❑ Smaller open office systems
- ❑ Playful color palettes and art work

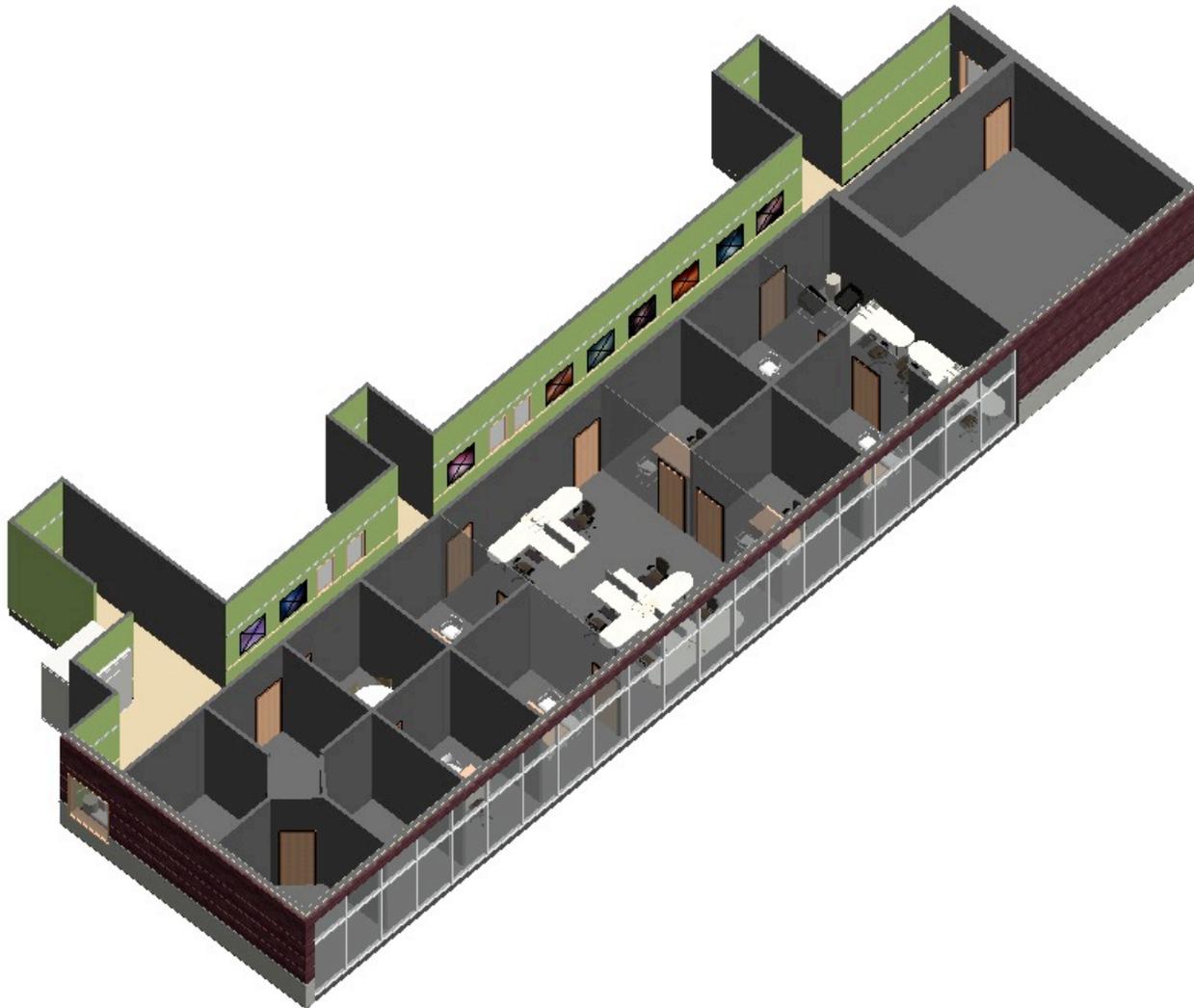
# Original Floor Plan



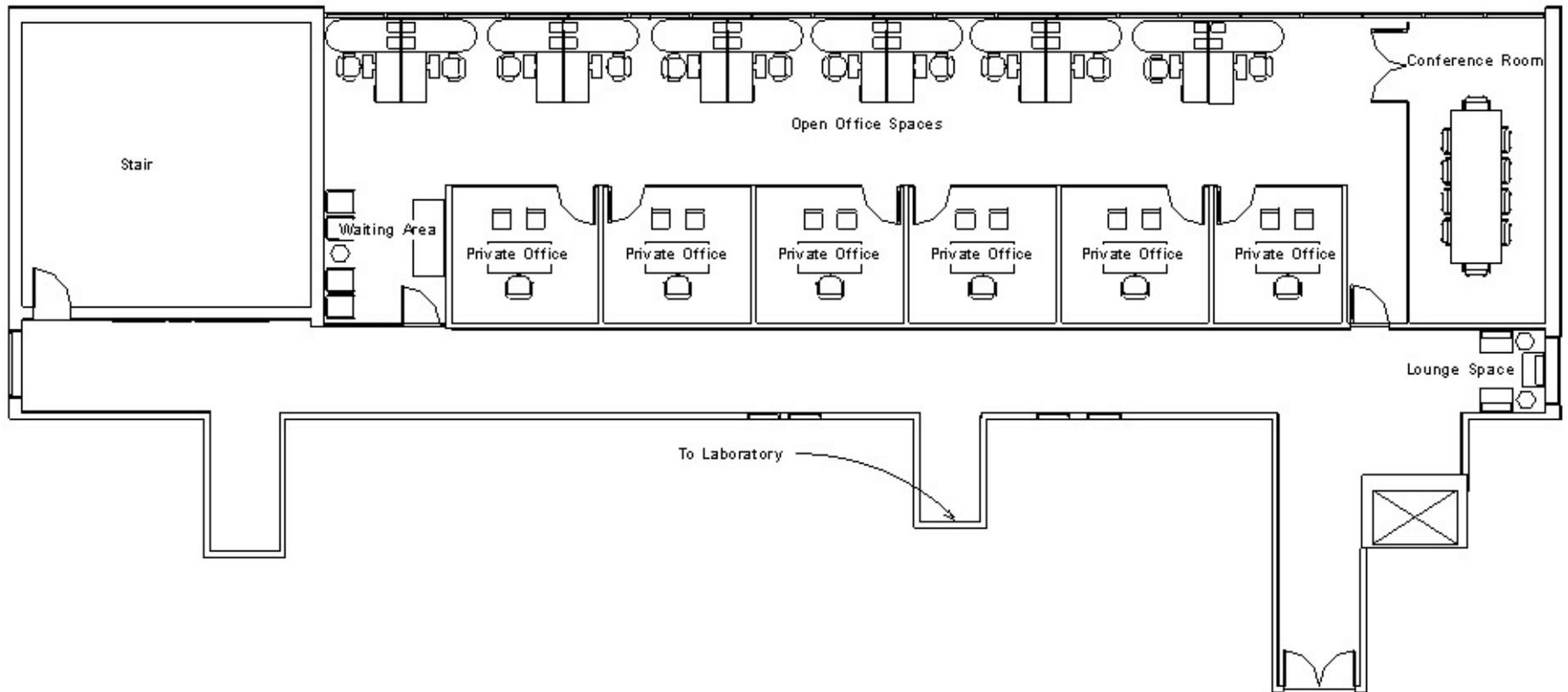
# Option 1 Floor Plan



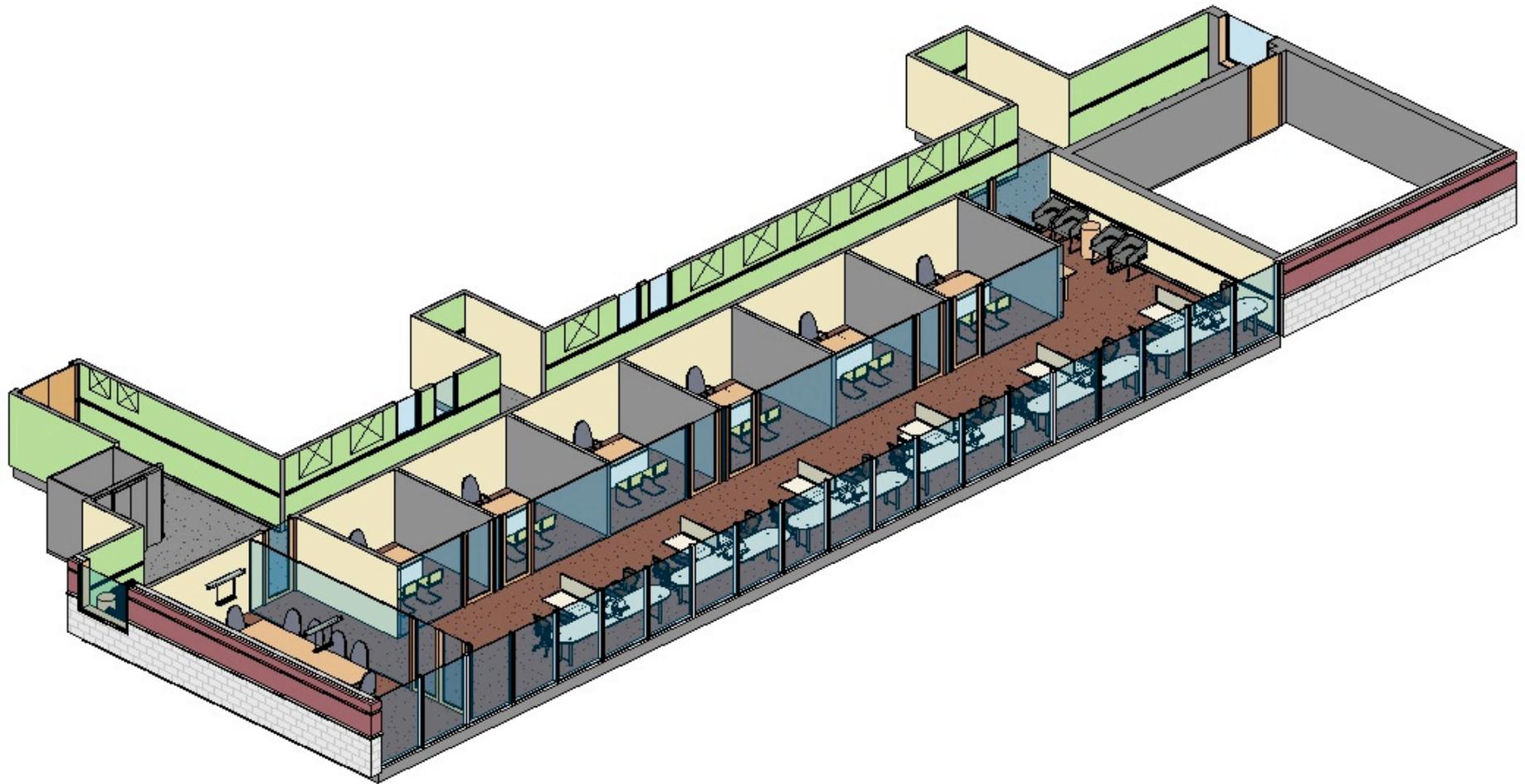
# Option 1 Axonometric View



# Option 2 Floor Plan



# Option 2 Axonometric View

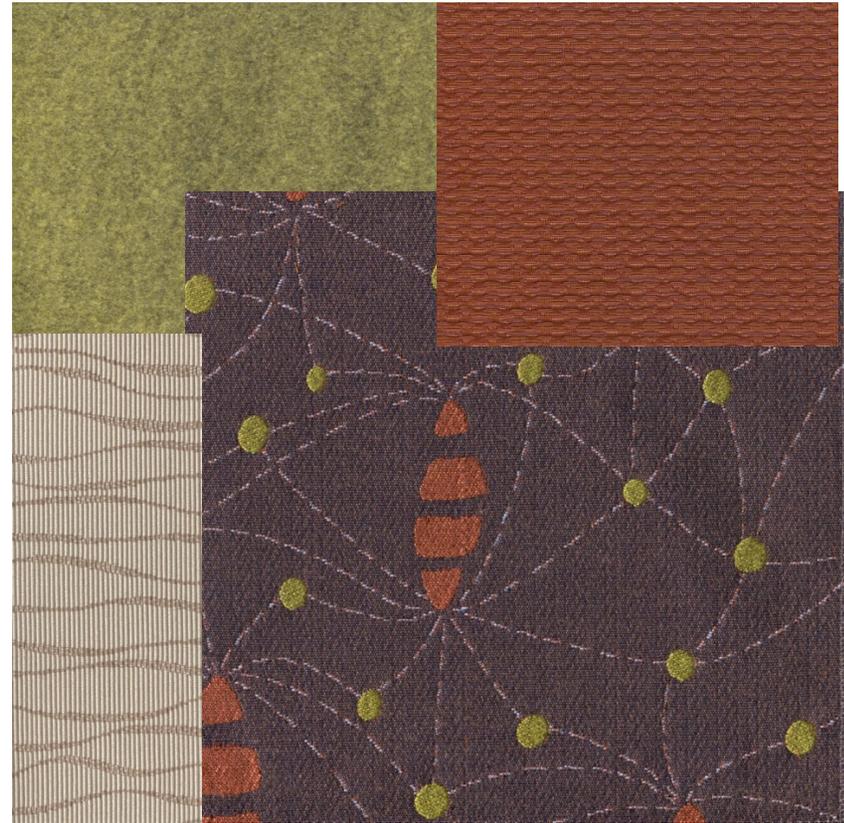


# Display Art & Finishes

## □ Photography



## □ Material Selections

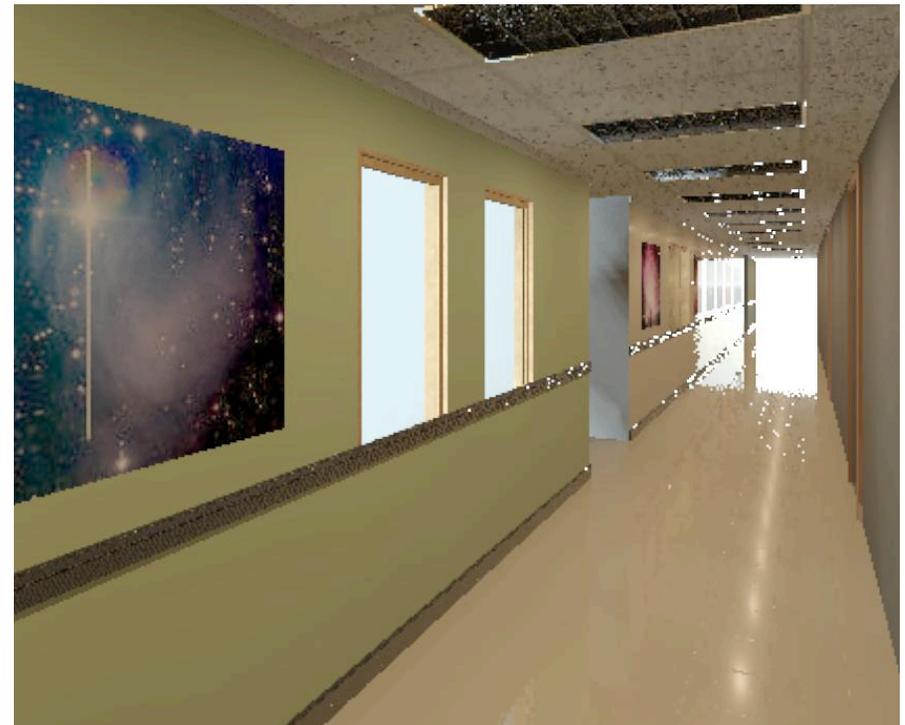


# Furniture Selection



Herman Miller

# Corridor Renderings





Lobby Area Rendering



# Rochester Imaging Detector Laboratory

Center for Detectors

Monica Matuszak  
Spring 20103

# Objectives

- ORGANIZED
- MORE WORK SURFACE
- EFFICIENT CIRCULATION
- +VISUALLY FUN



# Current Problems

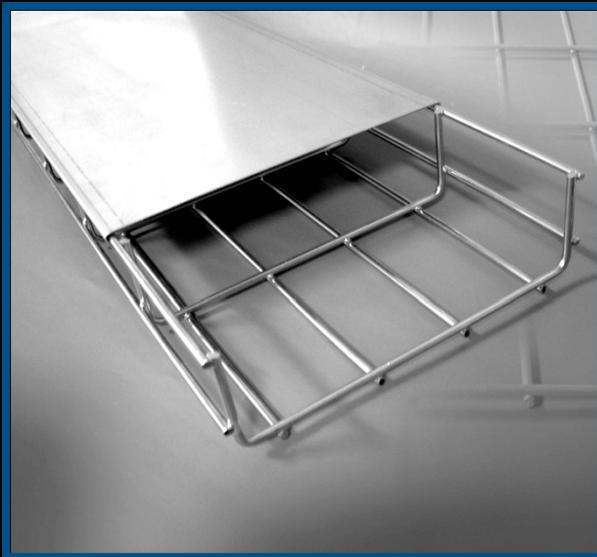
- Cables and Wires are dangerous hung and tangled
- Because of the cables inconveniently in the way, the circulation is restricted
- Compressors noise
- No enclosed storage
- Conference area feels cramped

# Solutions

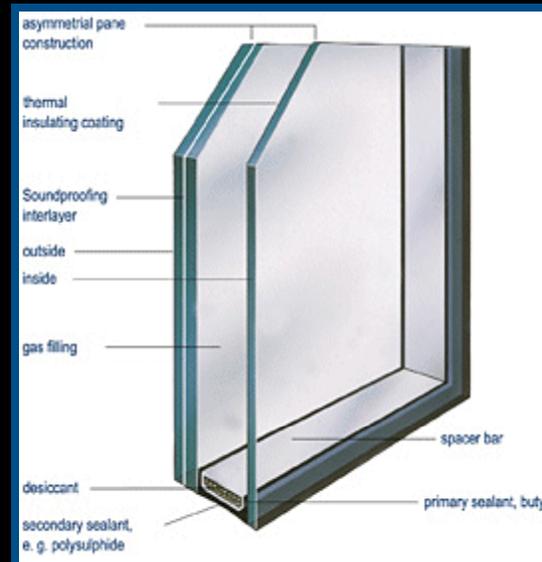
- Efficient shelving
- Cable tray system
- Provide more space for moving things around
- Provide separated storage
- Seal off compressors to reduce noise



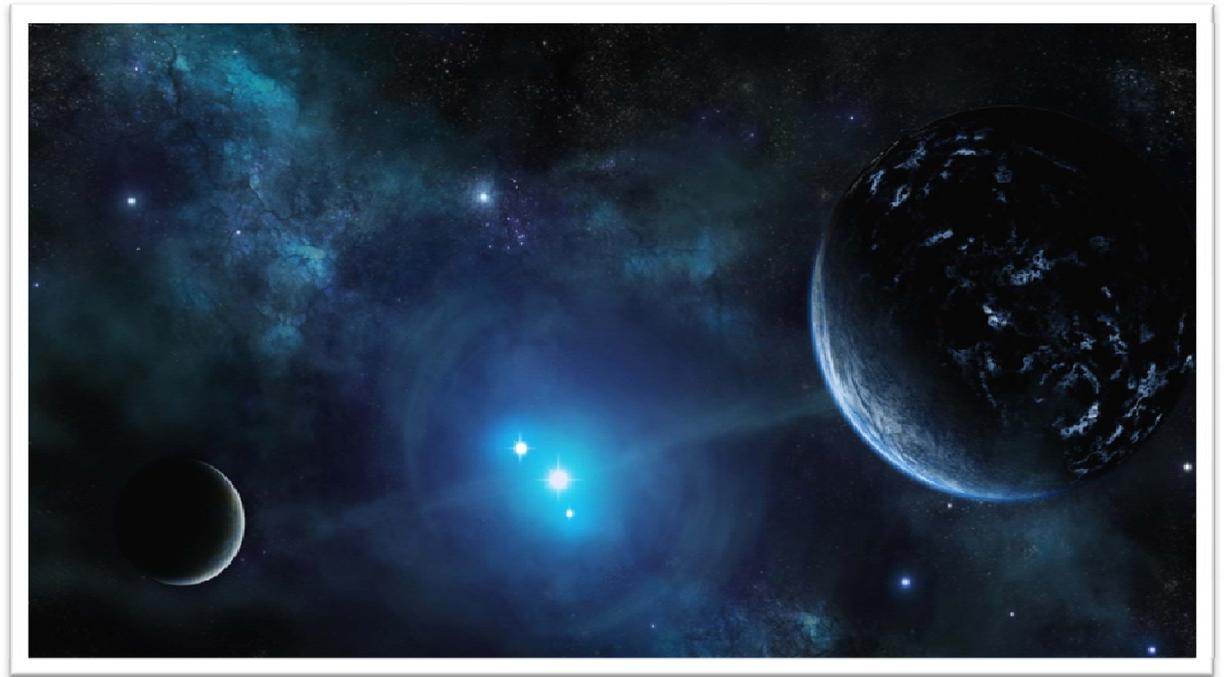
(above) efficient shelving, using tray system



(above) cable/wire management, Using tray system



(left) heat retaining and soundproof glass system  
By Interpane Glas Industrie AG



Inspiration

# Method 1

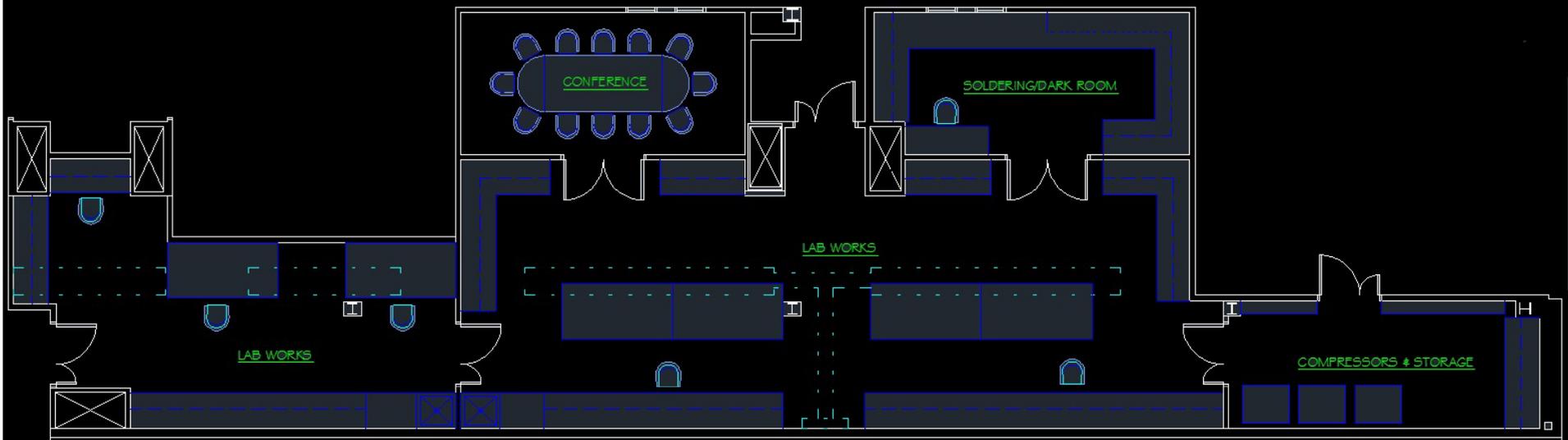
Unchanged

## PROs:

- a lot of cabinetry,
- a lot of work surface,
- more room for conference,
- maximized use of space

## CONs:

- no room for cart, cable rack, etc,
- compressors are far away,
- one wall has been added



# Method 2

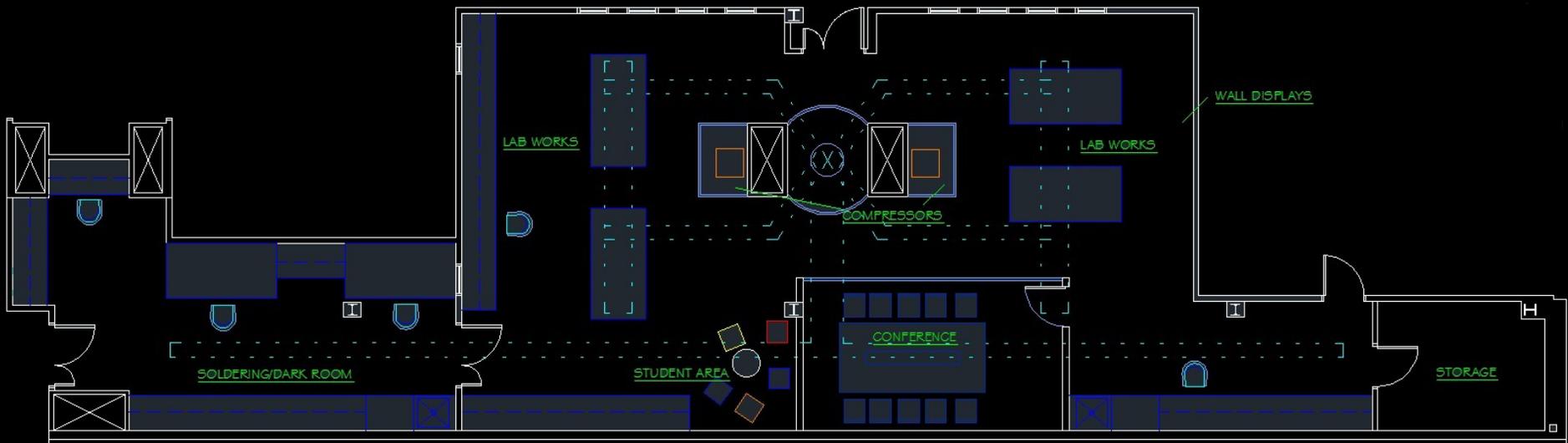
Changed

## PROs:

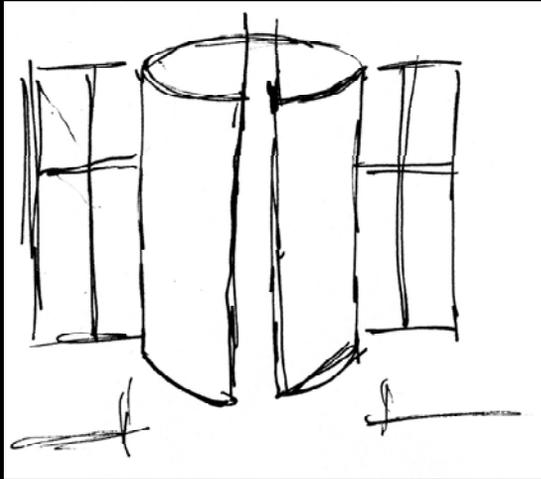
- Visually interesting, fun workplace,
- A lot of space for cart, cable rack, etc,
- Wall display
- Cable spread out throughout
- Compressors are close
- Own storage room

## CONs:

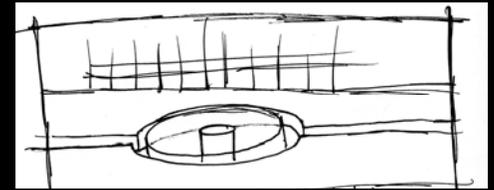
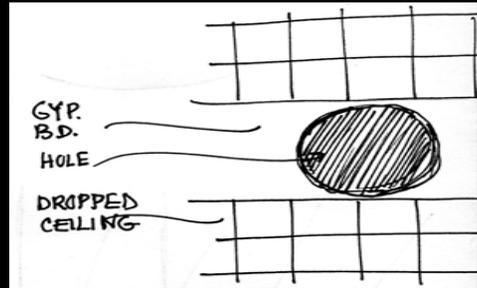
- Less noise resistance,
- More electrical work,
- Conference may feel crowded expensive



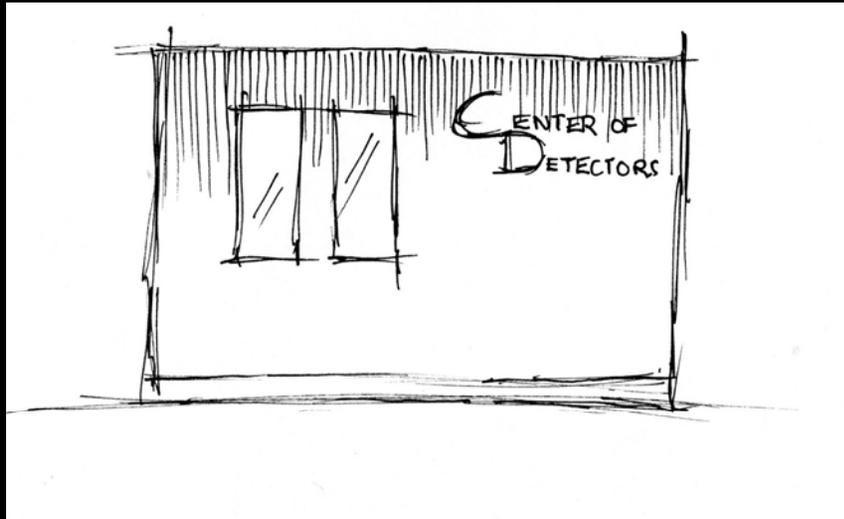
# Sketches



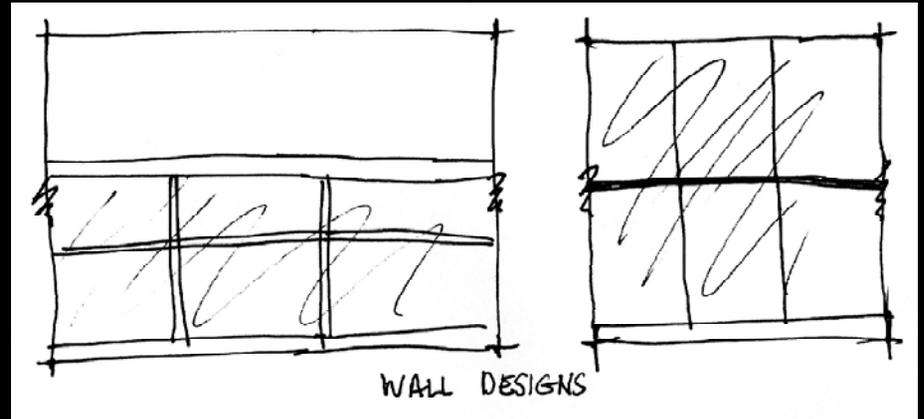
Design powerhouse for all cables



Types of ceilings



Hallway

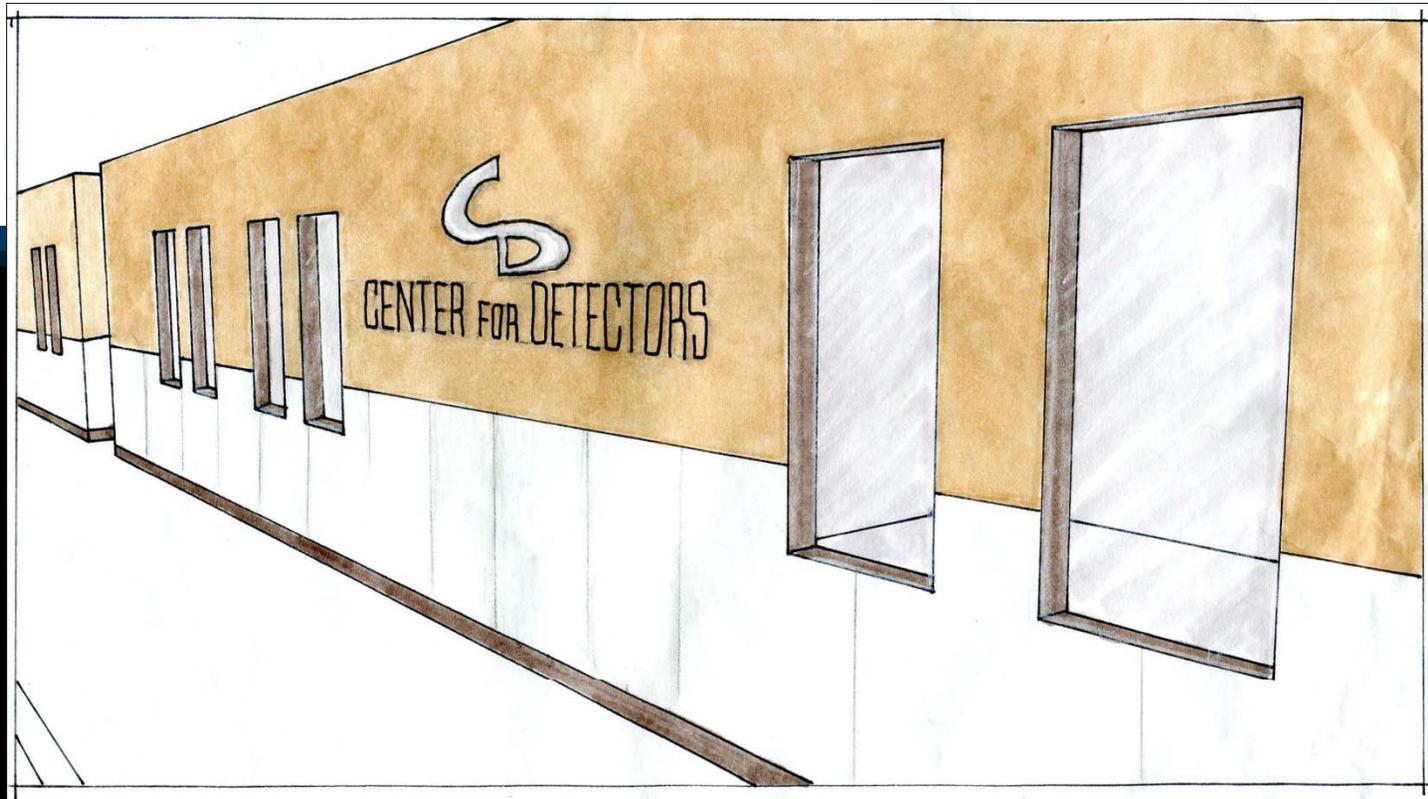


WALL DESIGNS

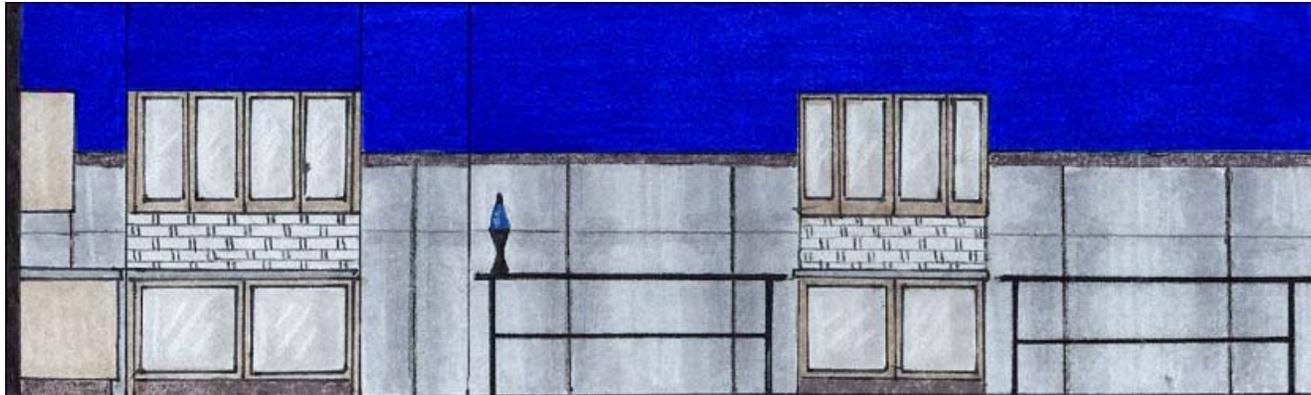
Wall paneling

# Hallway Display

CENTER FOR DETECTORS  
Center for Detectors  
CENTER FOR DETECTORS



# Elevation



Soldering/Dark room



wall paneling systems by  
Forms+Surfaces



SW6811,  
Honorable blue by  
Sherwin-Williams

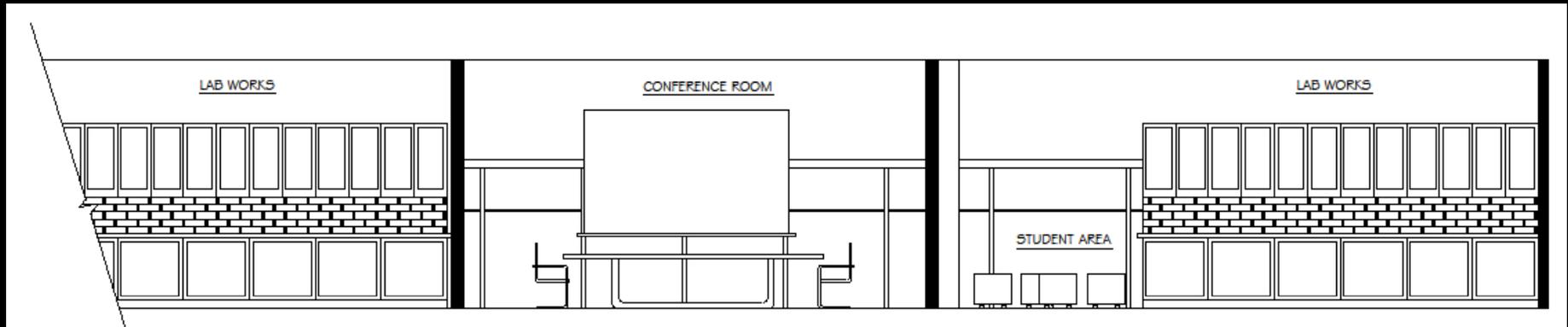


scratch- resistant concrete  
countertop



continuous backsplash  
ceramic tiles

# Elevations



facing south of lab



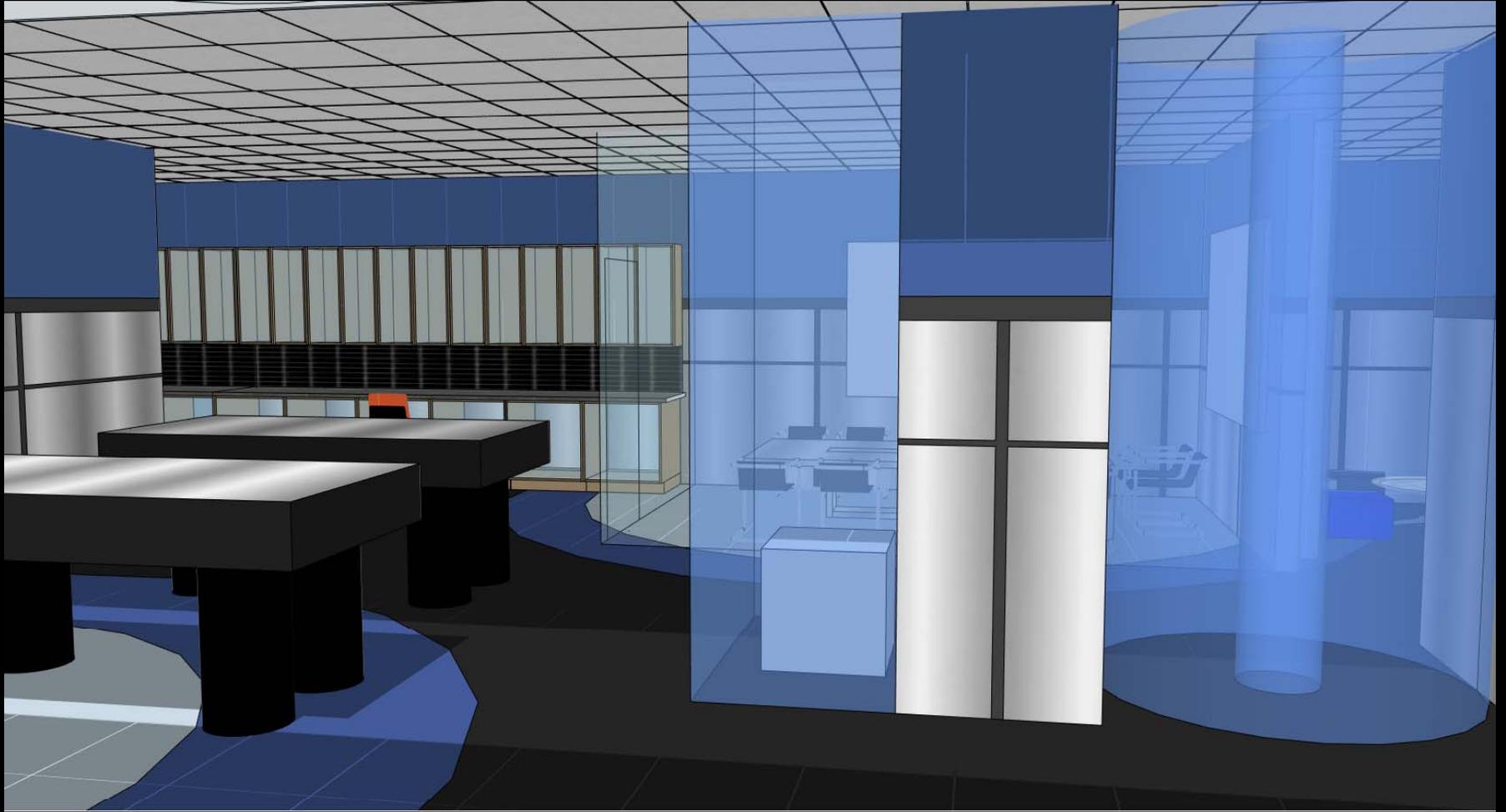
Kubo low stool  
by Cattelan Italia



Ergonomic chairs  
by E Com Seating

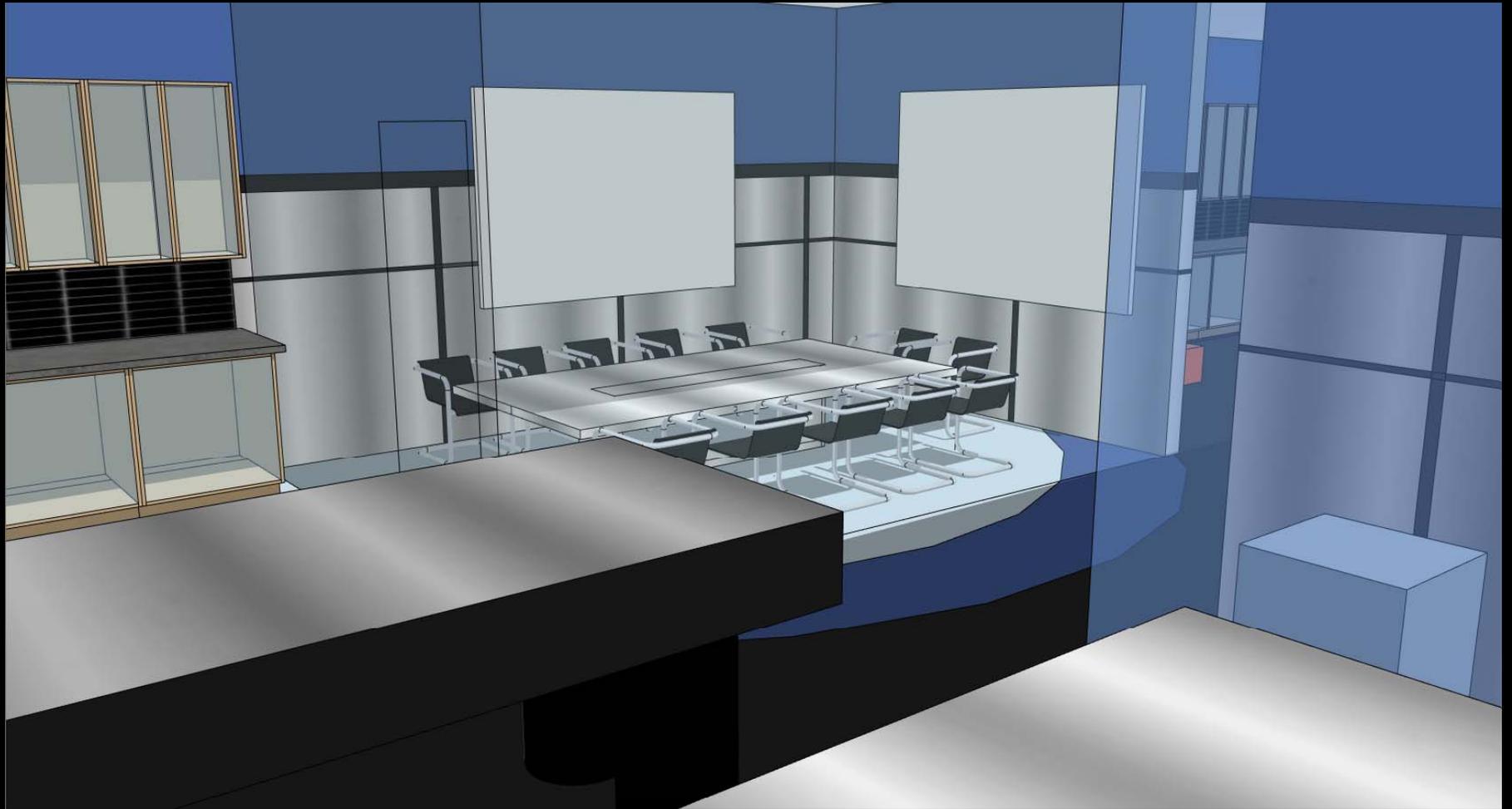


Products by Thonet

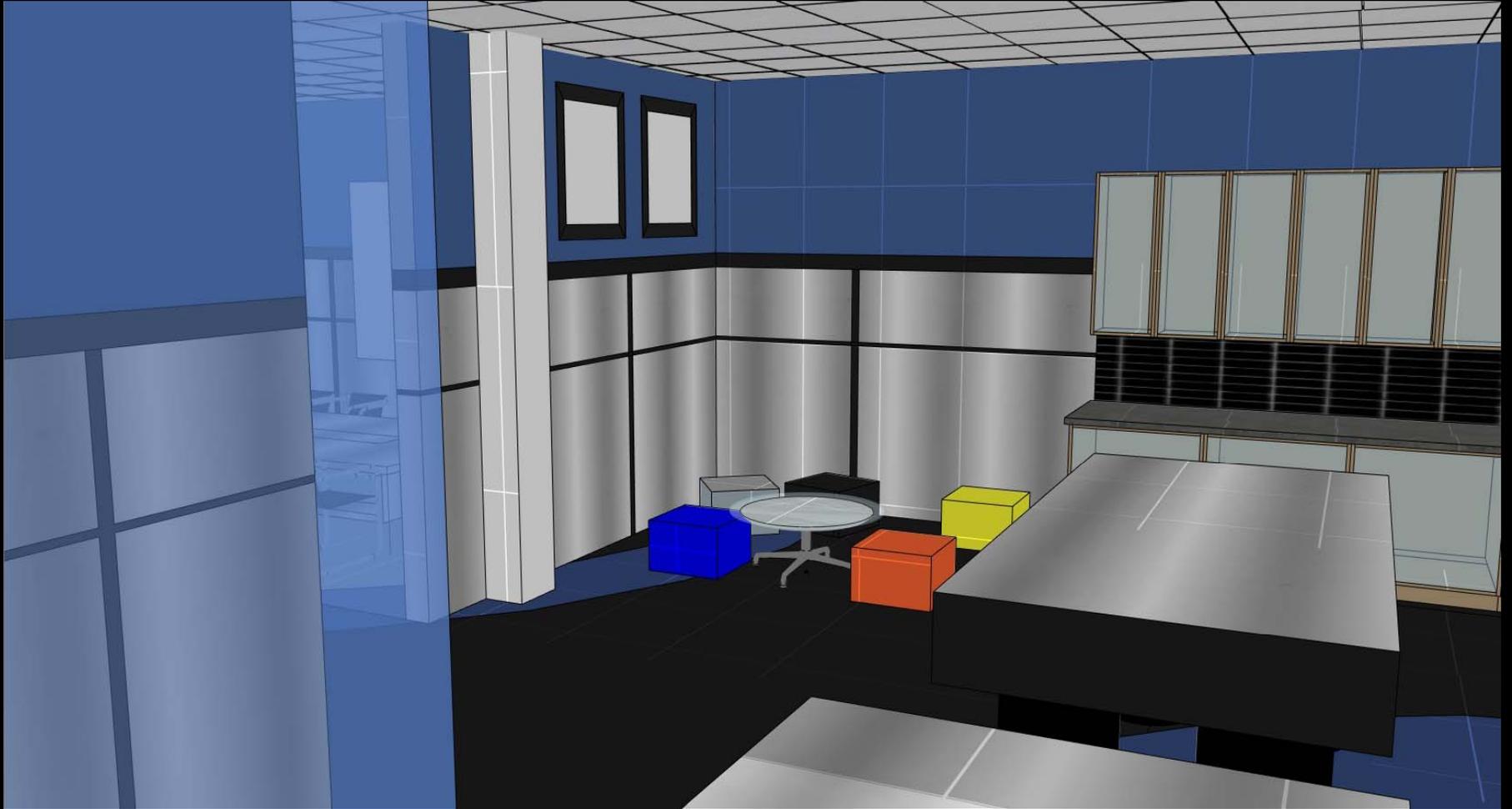


Looking into lab works and powerhouse

# Perspectives



Looking into conference room



Looking into student meeting area

# Center for Detectors Laboratory



## Special Projects

Jenna Czudak

20103

Efficient

Comfortable

Sense of Purpose



## **Conference Area**

- Partition wall
- New table and chairs

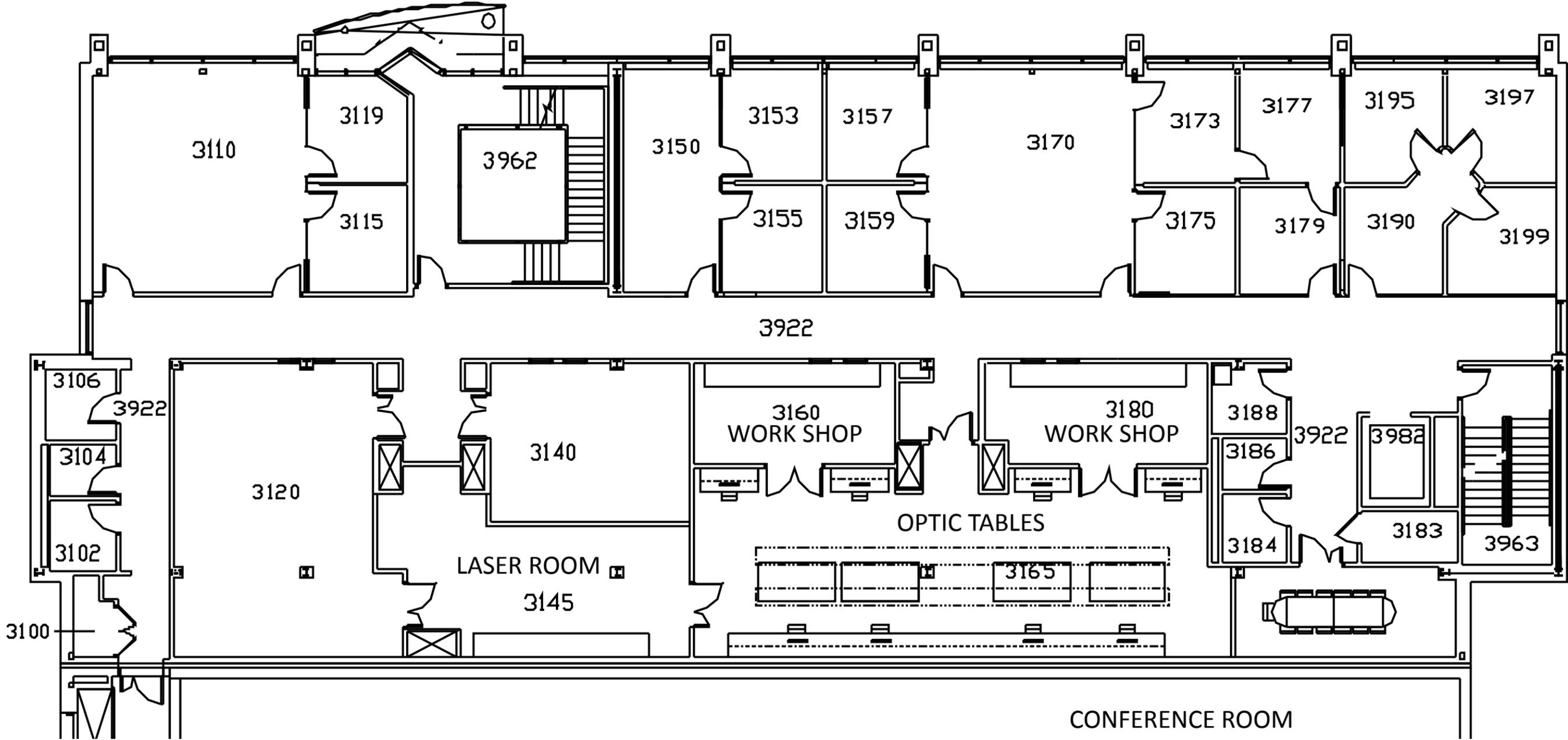
## **Laboratory**

- Re-laminate cabinets
- Frost cabinet glass
- More efficient utilization of storage space
- Secondary overhang for cord organization

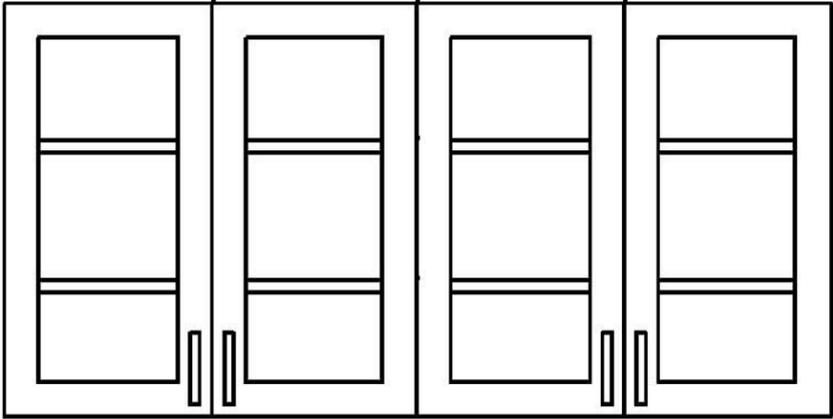
## **Hallway**

- Mural of detector imaging

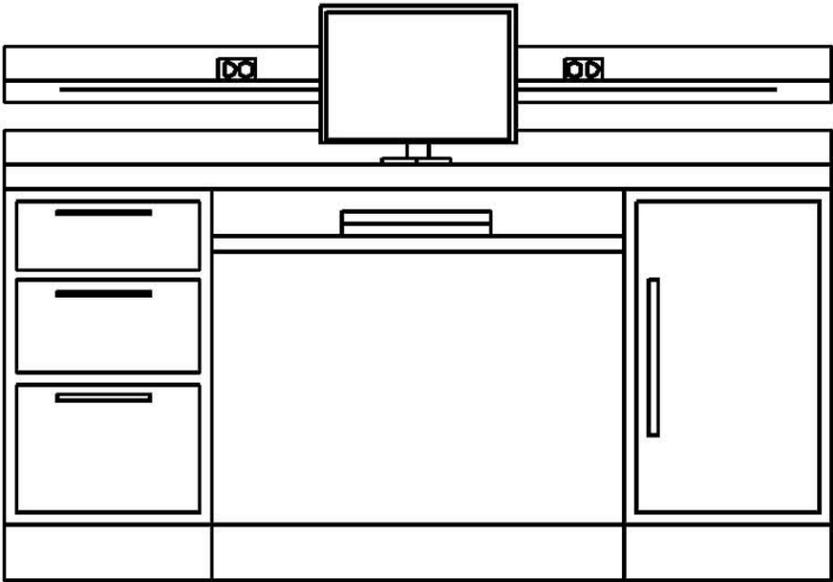
Solution 1



# Solution 1



Frosted Glass



Grommet

New Cabinet for  
Computer Tower

# Solution 1



Filo Chair  
[www.keilhauer.com](http://www.keilhauer.com)



Folding Modular Conference Table  
[www.uptime4u.com](http://www.uptime4u.com)

## **Conference Area**

- Partition wall
- New table and chairs

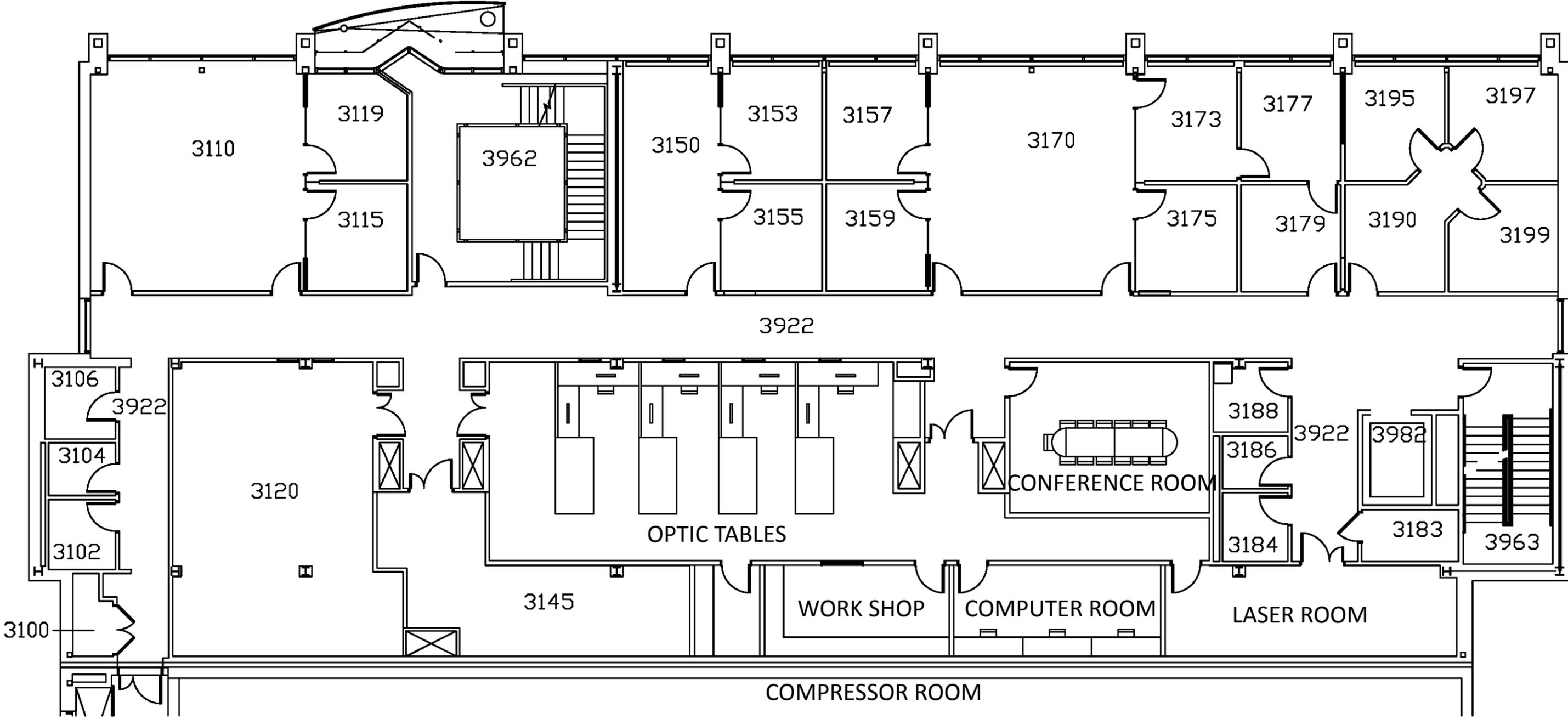
## **Laboratory**

- Re-division of space
- New lab furniture

## **Hallway**

- Mural of detector imaging

Solution 2



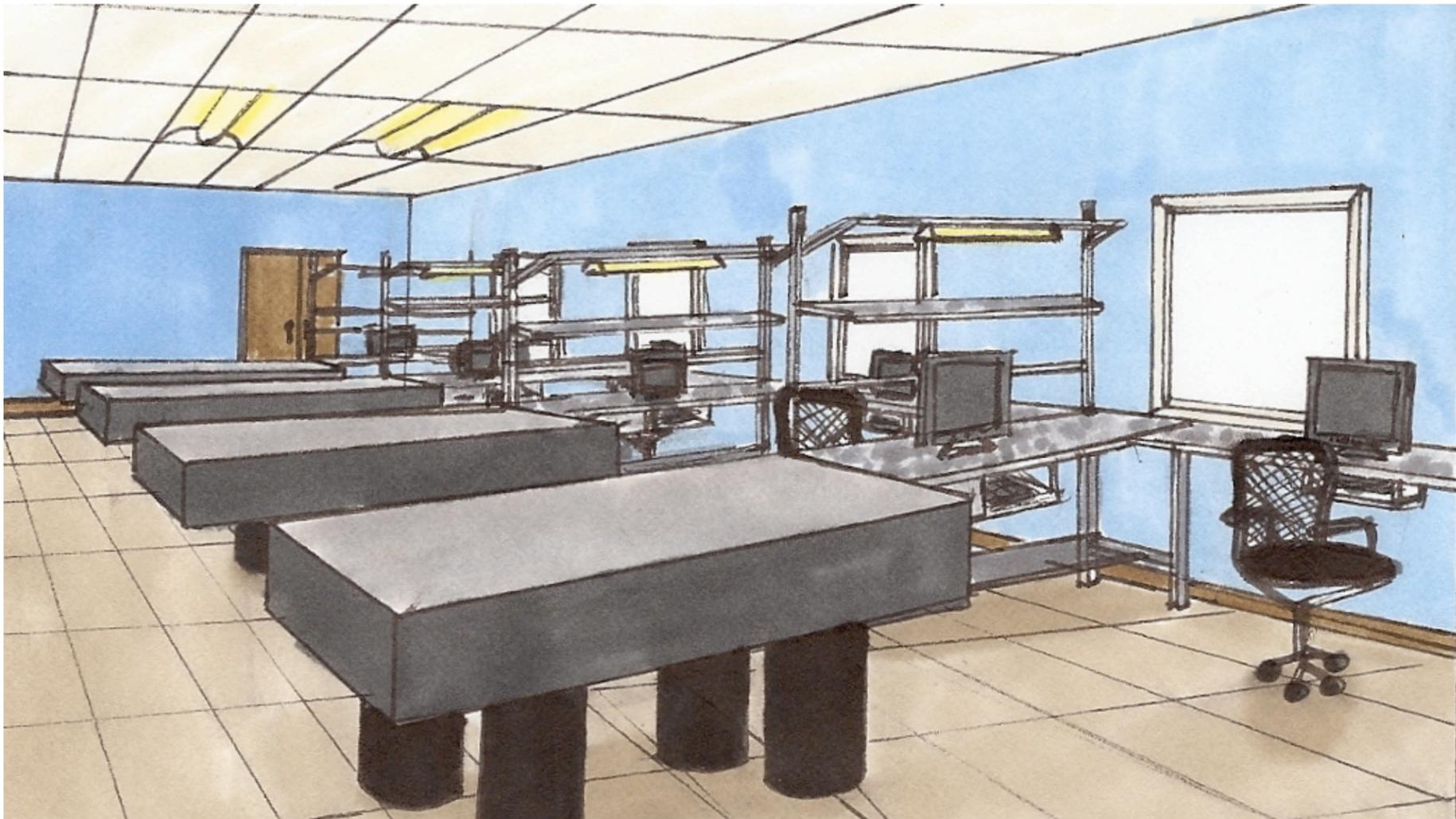
Special Projects 20103

Jenna Czudak

# Solution 2



Solution 2



SteelSentry

# CENTER FOR DETECTORS

Stephanie Webster

# CENTER FOR DETECTORS NEEDS

10 OFFICES/CUBICLES FOR STUDENTS

CONFERENCE ROOM THAT SEATS 15

8 PROFESSIONAL OFFICES

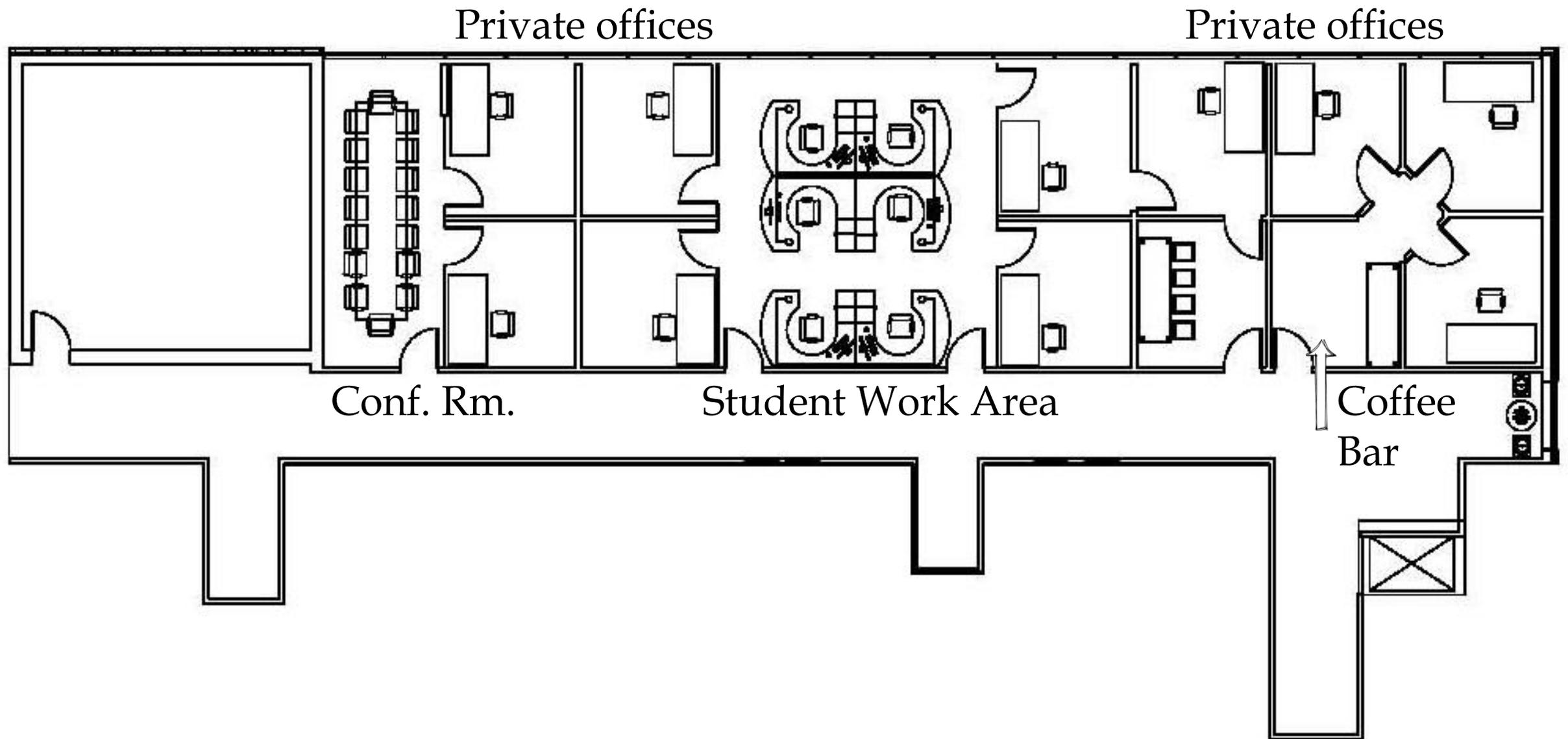
DISPLAY OF SPONSORS/ WORK

SIGNAGE

BREAK AREA FOR COFFEE

# FLOOR PLAN

CONCEPT 1



- THE ONLY CHANGES WERE MOVING SPACES AROUND
- CONFERENCE ROOM HAD BEEN ADDED WHERE BEFORE WAS WORK SPACE
- THE WORK SPACE HAS BEEN MOVED TO DOWN THE HALL

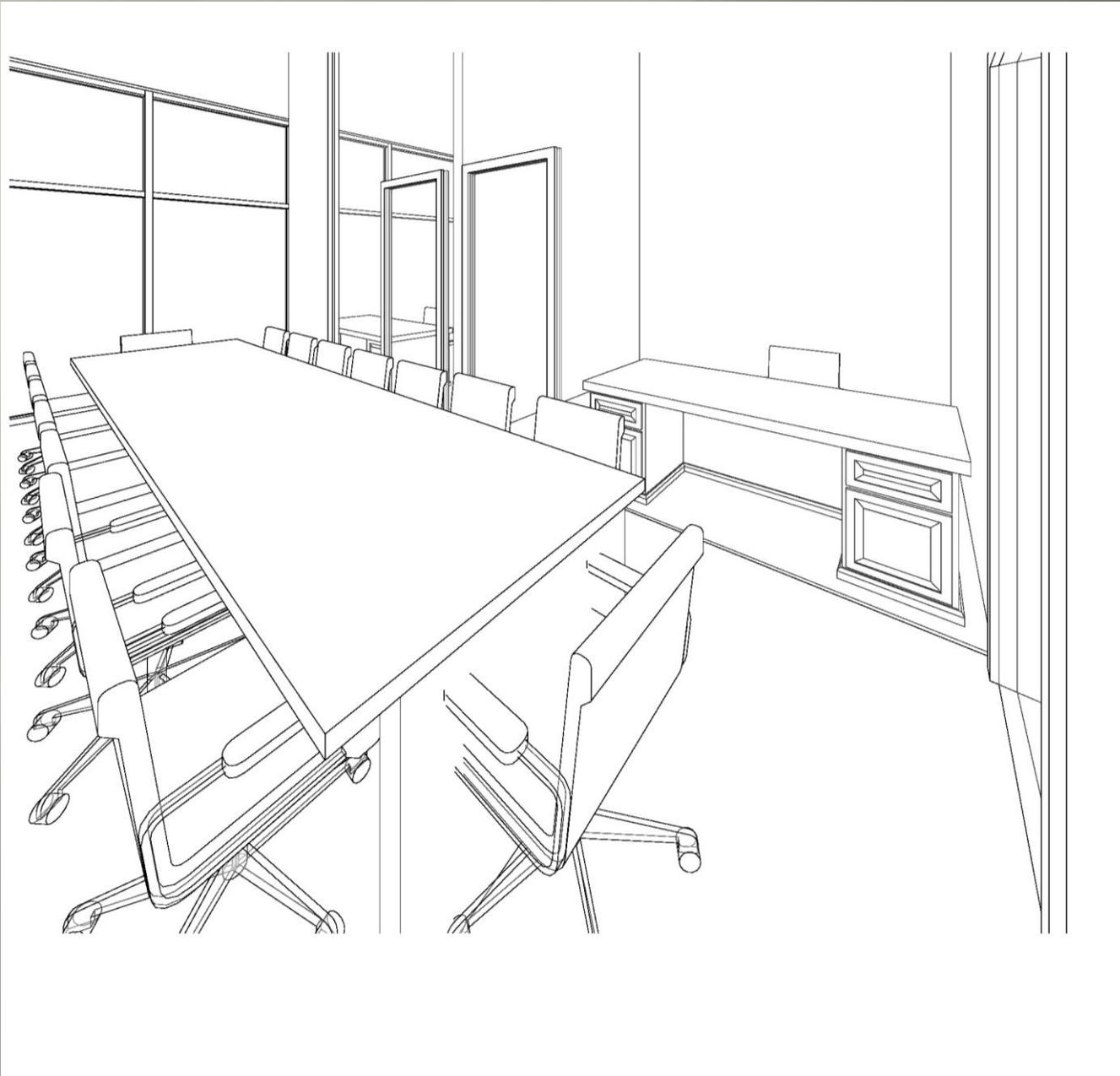
# CONCEPT 1 PERSPECTIVE

## STUDENT DESKS

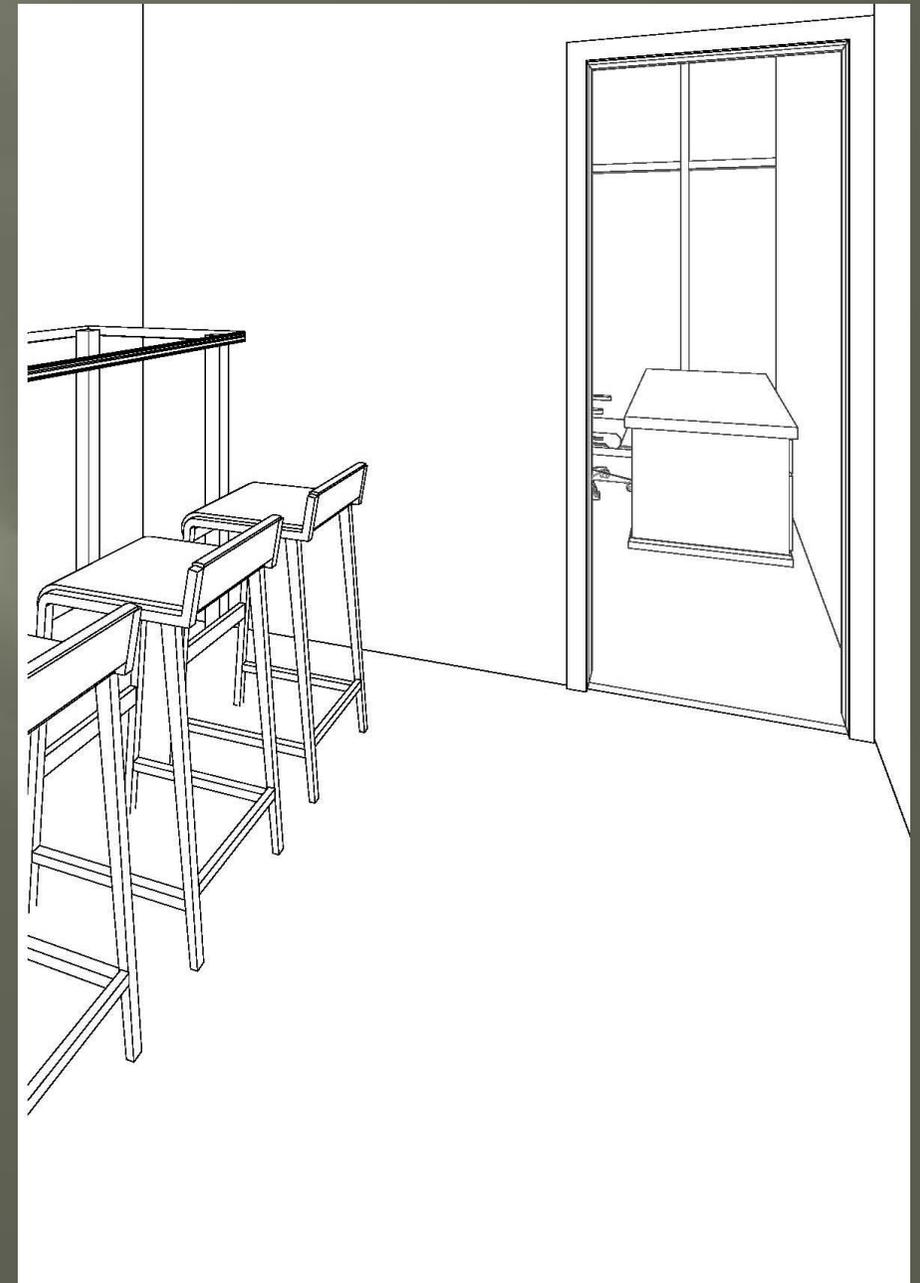


# CONCEPT 1 PERSPECTIVES

CONF. ROOM / PRIVATE OFFICES

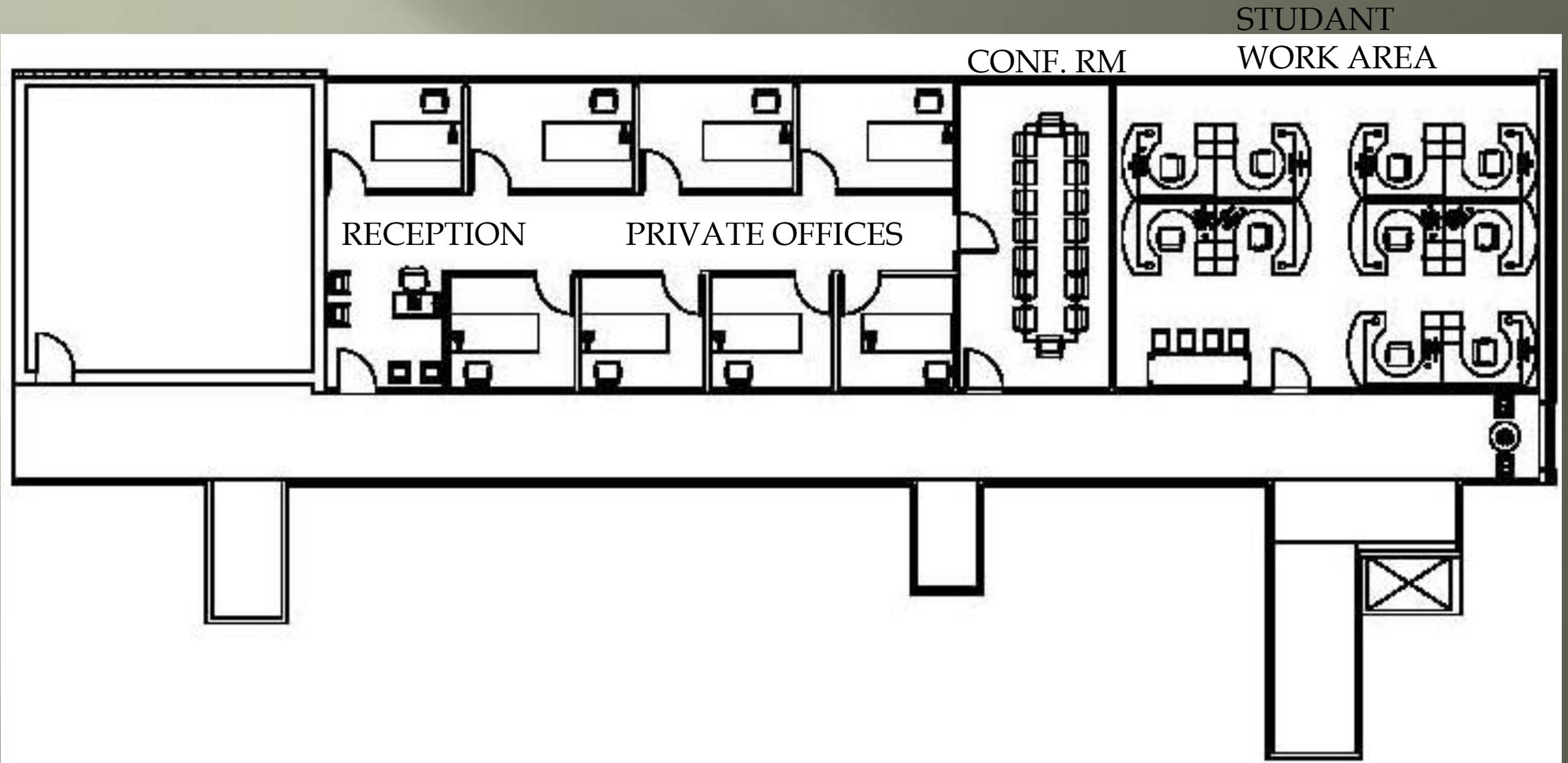


STUDENT WORK AREA



# FLOOR PLAN

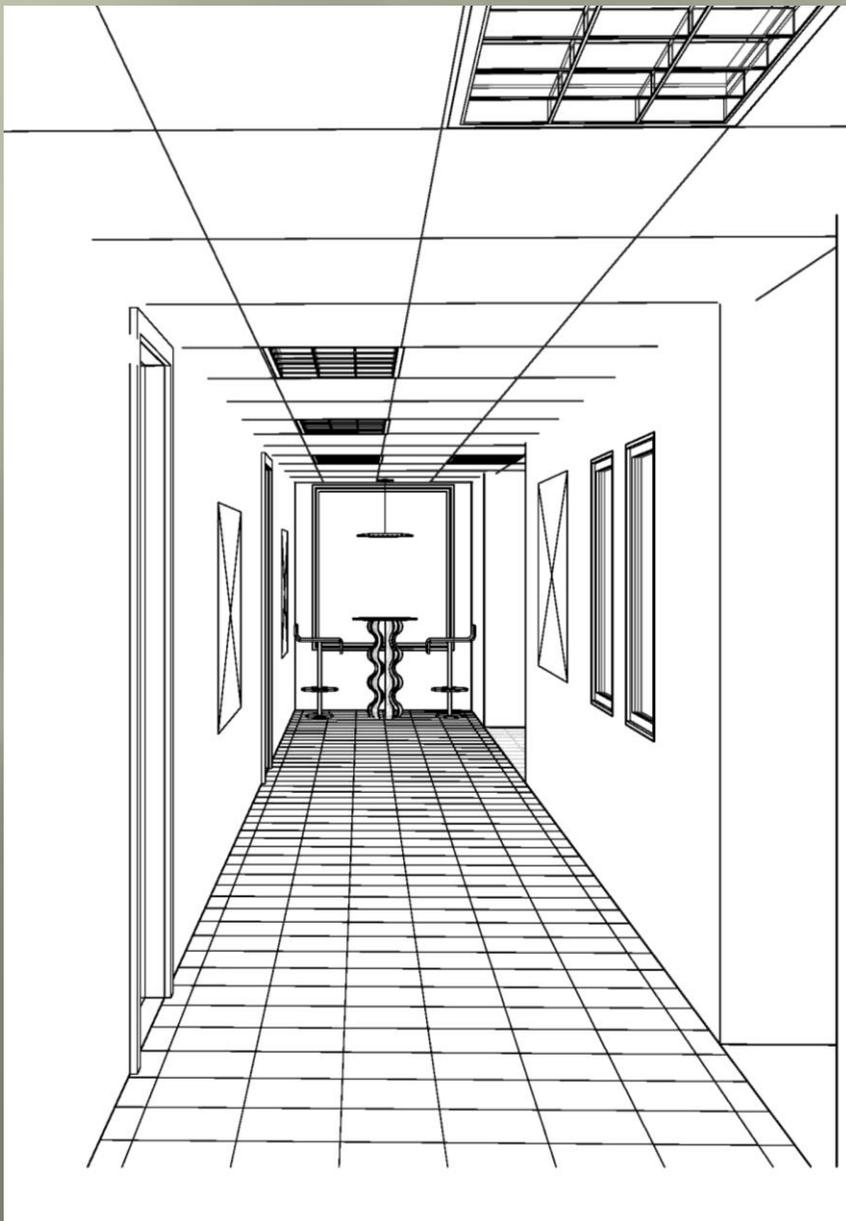
CONCEPT 2



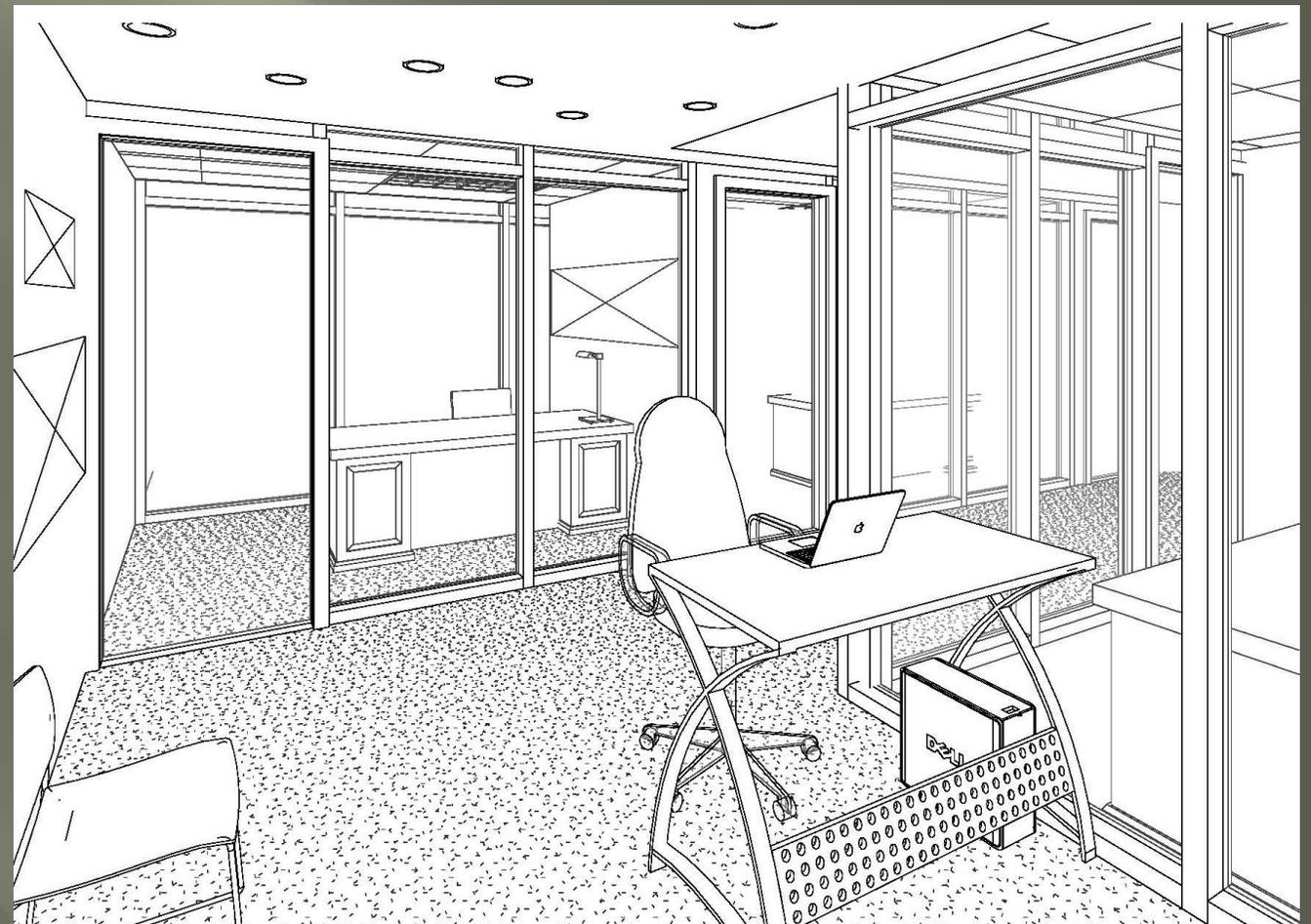
- ADDED RECEPTION AREA
- OFFICES ARE ALL IN ONE AREA (8)
- CONFERENCE ROOM HAS ITS OWN SPACE (15)
- STUDENTS HAVE OWN AREA WITH HIGH TOP AND STOOLS FOR ADDITIONAL WORK SPACE (14)

# CONCEPT 2 PERSPECTIVES

HALLWAY



RECEPTION AND PROFESSIONAL OFFICES



# CONCEPT 2 STUDENT WORK SPACE

STUDENT WORK SPACE

AREA FOR STUDENTS  
SEATS 10

WORK BENCH FOR 4

CARPET

LIGHT TAN WALLS

WOOD PANEL DESKS

CHAIRS UPHOLSTERY  
GREEN



# CONCEPT 2 RECEPTION

## RECEPTION

TRACK LIGHTING

WALL ART

DESK

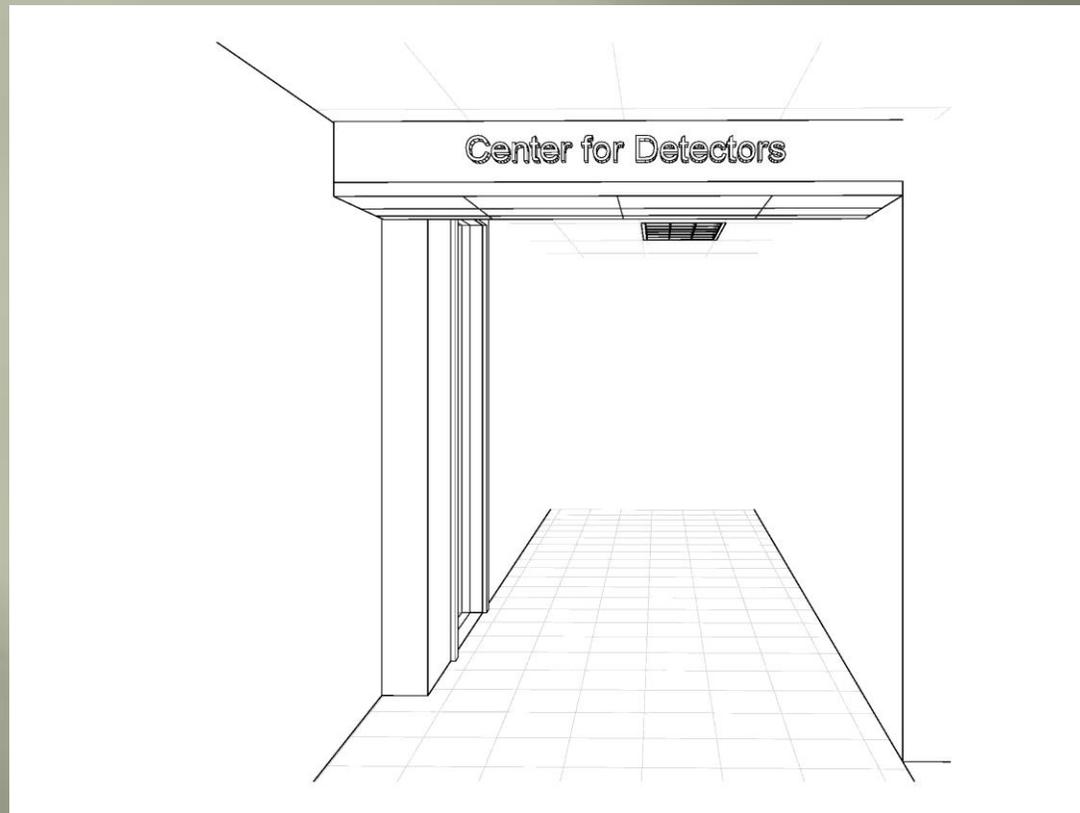
TASK CHAIR

SEATING FOR 4 GUESTS

CARPET



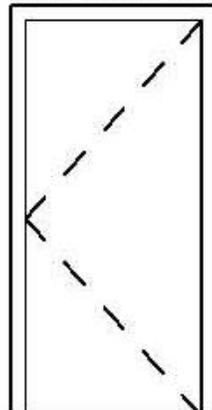
# CONCEPT 1&2 PERSPECTIVES



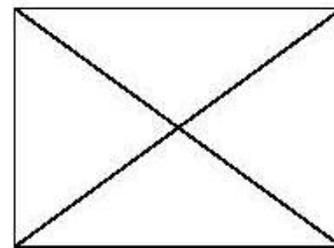
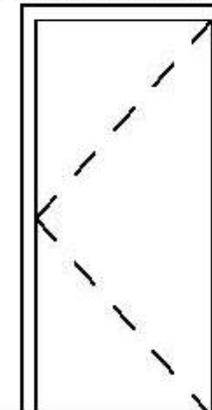
Entrance with  
small drop  
ceiling



**Conference Room**



**Student Work Center**



Hallway Signage

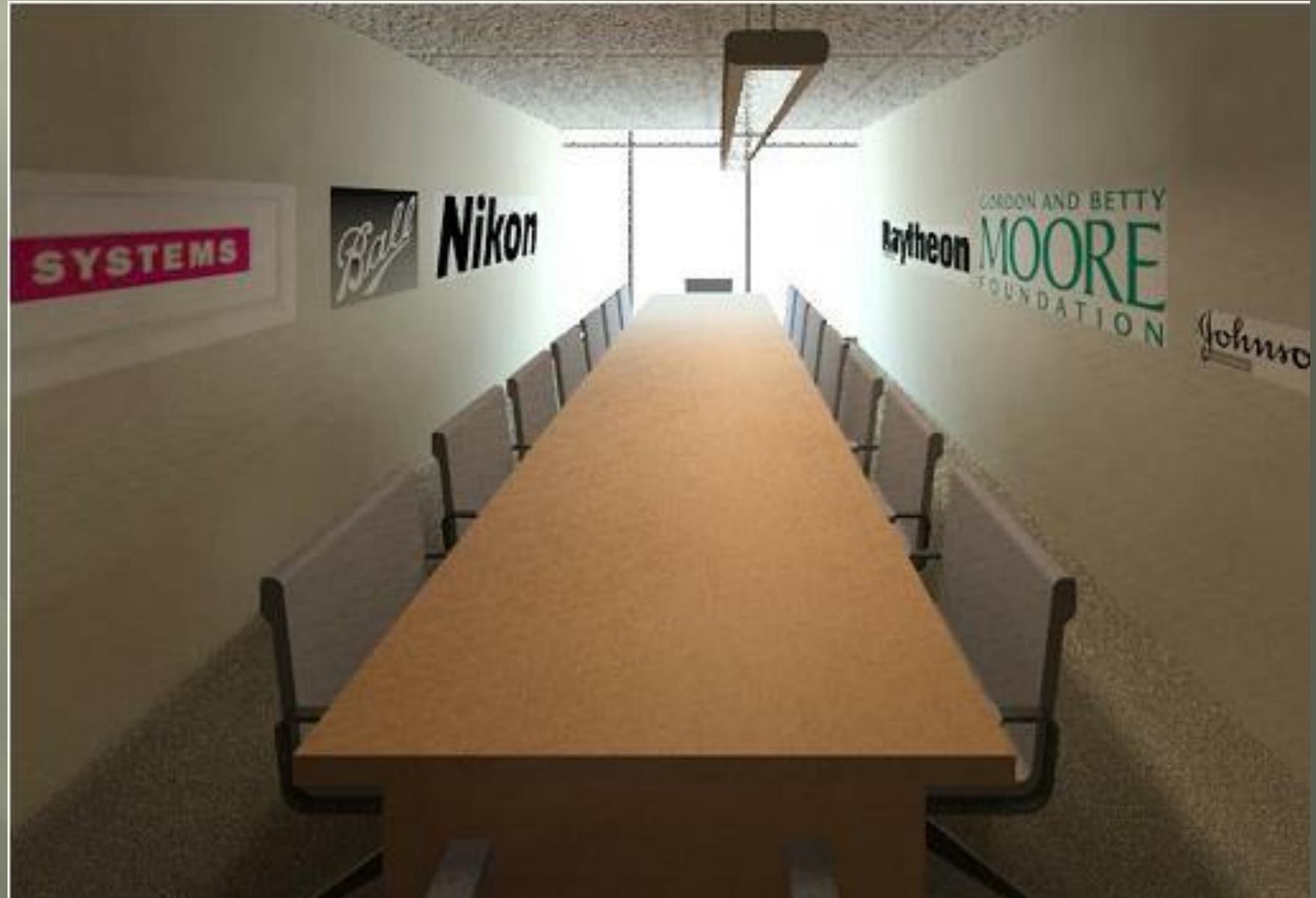
# CONCEPT 1&2 CONFERENCE ROOM

## CONFERENCE ROOM

SEATS 15

COMPANY DECALS

CARPET



# CONCEPT 1&2 HALLWAY

END OF HALLWAY

CUSTOM MADE TABLE

SEATING FOR 2

WALL PAINT -WARM  
TAN

PHOTOS HUNG ON  
WALLS



# CONCEPT 1 & 2 OFFICES

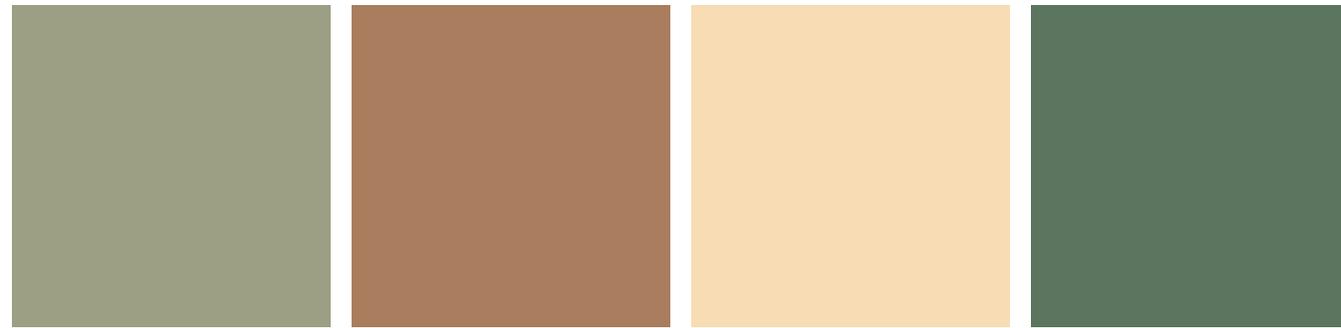
H. Douglas Alustra Privacy Blinds

Private office

- CARPET
- DESK
- TASK CHAIR
- PERSONAL LIGHT
- PERSONAL WALL ART



# MATERIALS AND FINISHES



Sherwin Williams  
Pro Mar 200-0 VOC  
Paint



H. Miller Limerick  
stacking chair



Track Lighting  
in reception area  
to show off  
sponsors



H. Miller 5000 series  
desks



Signs for each  
area and door

# Center For Detectors Lab

Rochester Institute of Technology

By: Ashley Dermody

Spring 2011

# Current Problems

- No identification-signage
- No displays- examples of work
- Bad lighting
- Weak space orientation- orientation of offices
- The use of the window at the end of the hallway?
- Uncomfortable work atmosphere- No color (too much white)

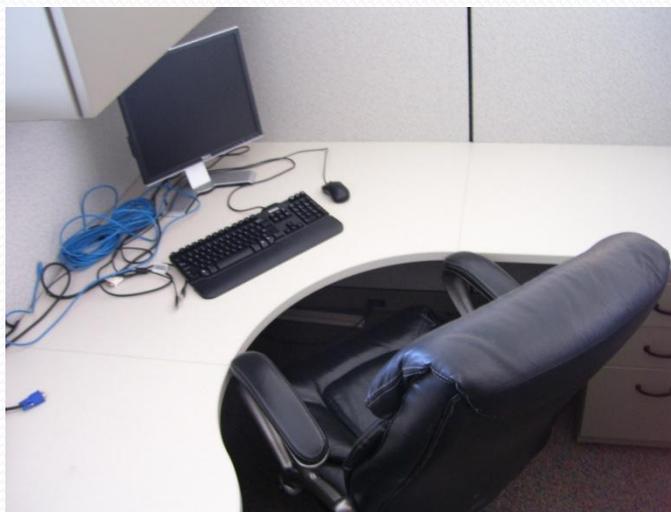
# Potential Solutions

- Custom Signage
- Framed Posters of Projects that have been worked on in this lab
- Added Lighting (Chandeliers) in the hallway
- Better orientation of furniture
- Make the end of the hallway useful and interesting
- Add color to make the atmosphere more inviting

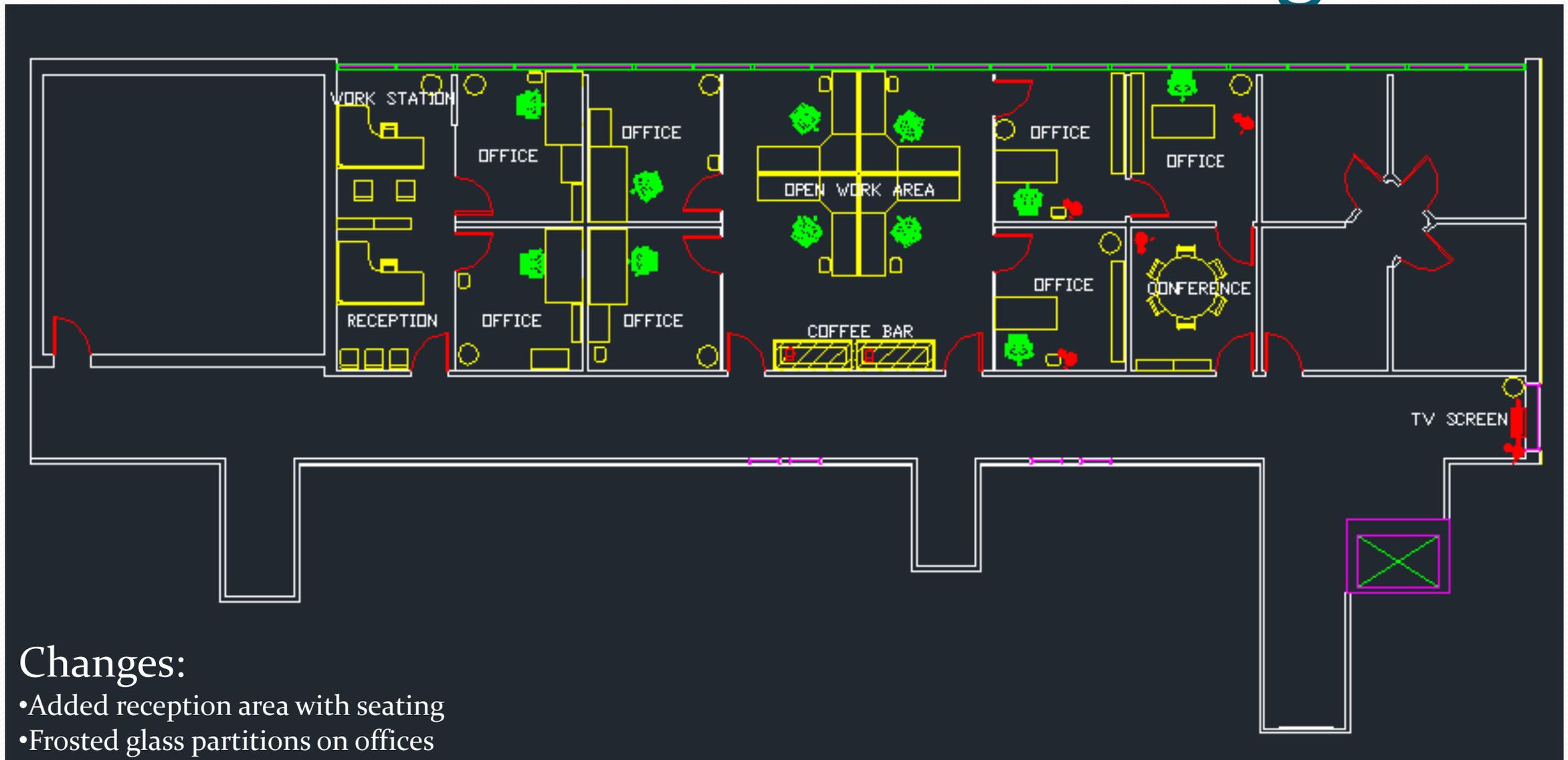
# Needs

- 11 offices for professors, staff, post-docs
- • 10 offices/cubicles for students
- • conference room for >15 people
- • office, lab, clean room co-located
- • CFD-only access to all areas

# Before Images



# First Idea-No Structural Changes



## Changes:

- Added reception area with seating
- Frosted glass partitions on offices
- Switched sides of coffee bar for accessibility
- Lowered work station partitions
- Added conference room
- Made end of hallway a electronic display for visitors

# Custom Framed Signage



# Office Rendering-Close-up



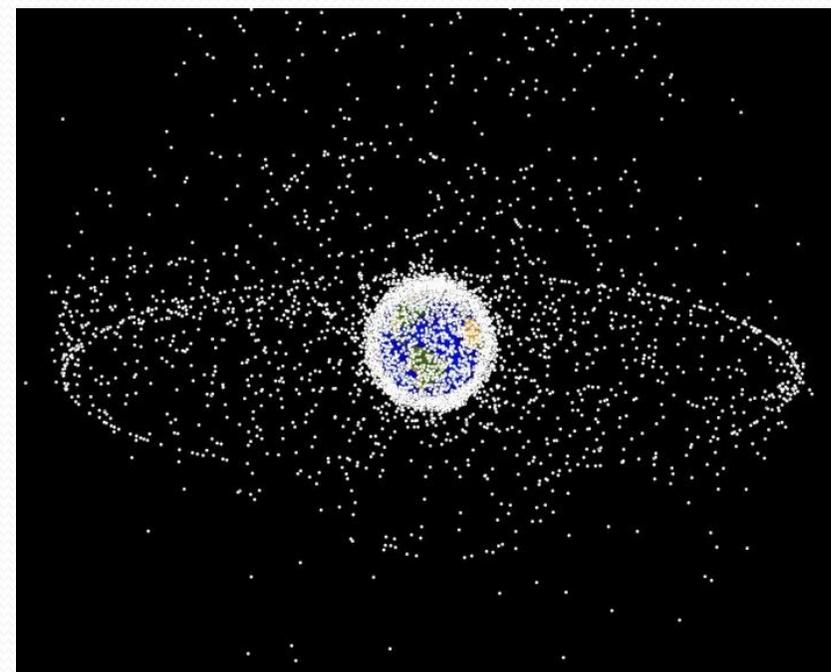
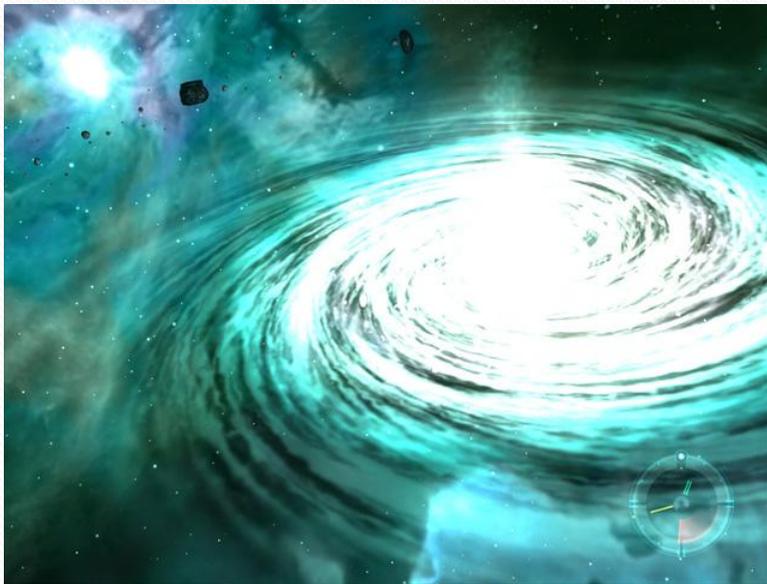
Eames Desk-  
Herman Miller



Aeron Chair-  
Herman Miller



# Framed Image Displays



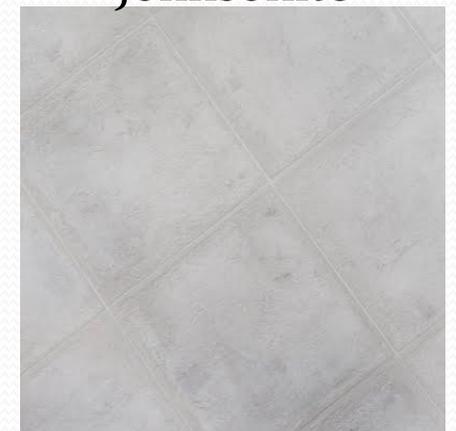
# End of Hallway



Wall paint-  
Sherwin  
Williams



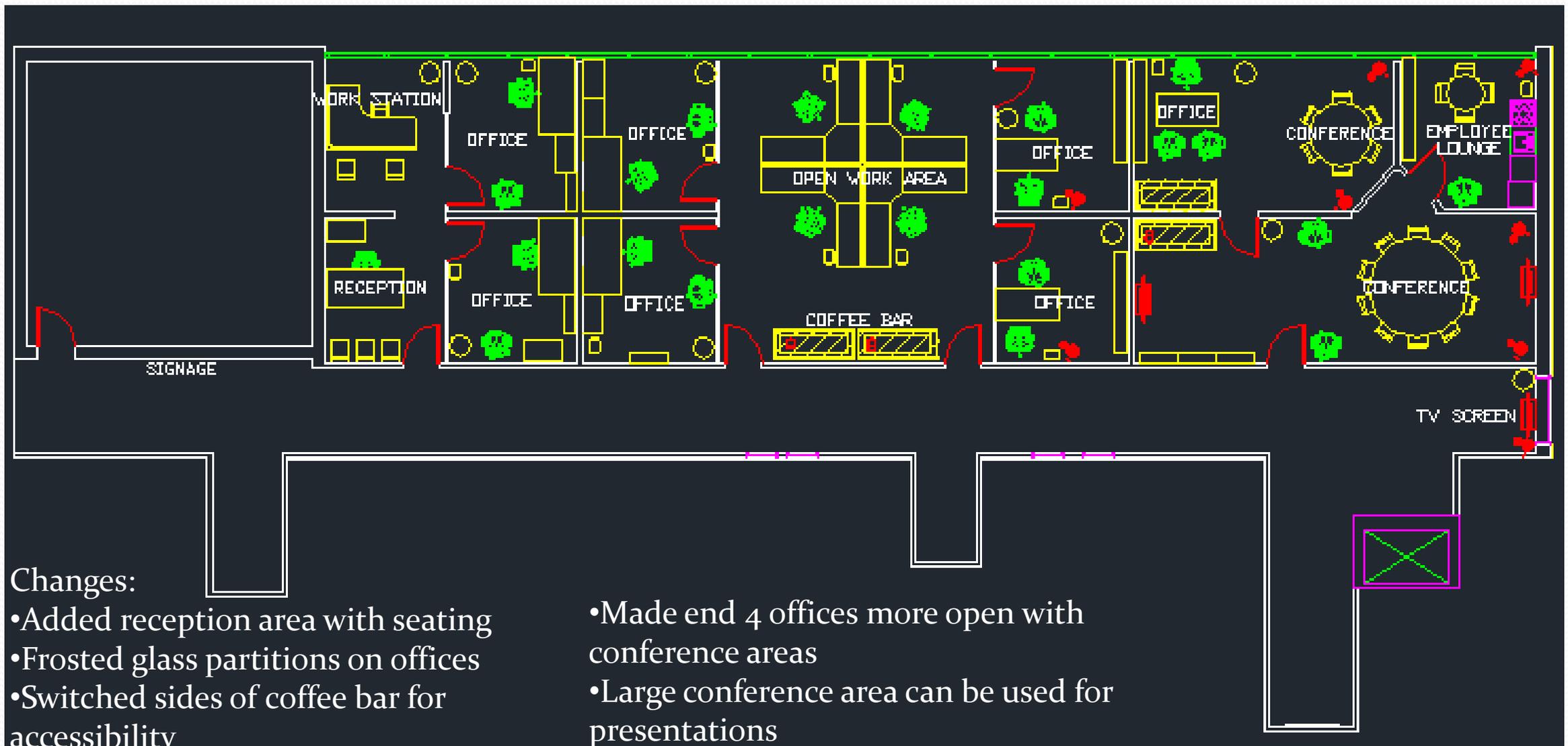
Grey Linoleum-  
Johnsonite



Hanging Fixture- Pier 1  
"Bubbles"



# Second Idea-Minor structural Changes



## Changes:

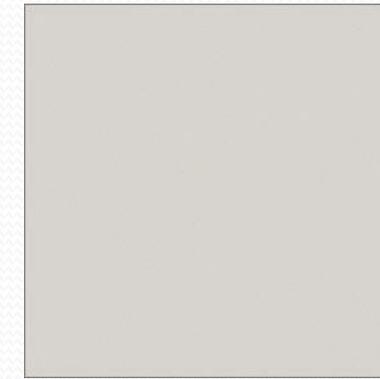
- Added reception area with seating
- Frosted glass partitions on offices
- Switched sides of coffee bar for accessibility
- Lowered work station partitions
- Added conference room
- Made end of hallway a electronic display for visitors

- Made end 4 offices more open with conference areas
- Large conference area can be used for presentations
- Added an employee lounge

# Office Rendering



Off -White Grey- Paint  
Sherwin Williams-Low  
VOC Paint



Light Blue Carpet  
GREENFLOORS-  
Recycled material



Light wood shelving-IKEA



Stainless Detailing-  
Reclaimed Steel



# Hallway



Panasonic  
Television

BDI Drop End  
Table-  
Herman Miller



Hanging  
Fixture- Pier 1  
“Bubbles”



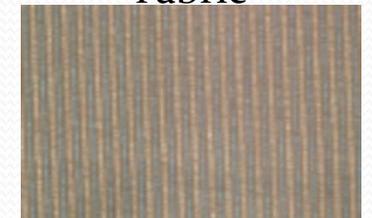
# Open work space



Off -White Grey- Paint



Cushioned Divider  
Fabric



Light Blue Carpet



Light wood laminate doors



Stainless Detailing



# Conference Room



Eames Conference Table-  
Herman Miller



Cinto Stacking Chair-  
Herman Miller



# Reception/Waiting Area

Reception area with custom signage outside of Mr. Don Figer's office with use of natural light

Cinto Stacking Chair-  
Herman Miller



Eames Desk-  
Herman Miller



AeroChair by Herman  
Miller



Frosted Glass  
Curtain  
Walls



# Second Option Rendering- New Conference Area with Presentation Space



# Second Option-New Conference

## 2<sup>nd</sup> View

