Center for Detectors

Special Projects 2011
The Center for Detectors 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 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

Identity
Productivity
Organization
Collaboration
Inspiration

The Center for Detectors
Interior Design Seniors
2011
Special Projects
<table>
<thead>
<tr>
<th></th>
<th>Name</th>
<th>Office/Lab</th>
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<tbody>
<tr>
<td>1</td>
<td>Josh Zeitler</td>
<td>Office</td>
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<tr>
<td>2</td>
<td>Emily Bollier</td>
<td>Lab</td>
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<td>3</td>
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<td>19</td>
<td>Ashley Dermody</td>
<td>Office</td>
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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
Design 1 - Existing Plan

Center for Detectors

Josh Zeitler
Special Projects: Senior Year 2010 / 2011
Center for Detectors at RIT - Office
Design 2 - Proposed Office Remodel

Waiting Rendering

Stainless Steel Frames with Partners Logos (Displayed in Waiting)
Center for Detectors

Design 2 - Remodel Renderings

Typical Open Office Workstation

Open Office

Typical Private Office

Conference Room

Corridor Seating

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

Typical Open Office Workstation

Open Office

Typical Private Office

Conference Room

Corridor Seating
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)
Center for Detectors

Materials & Finishes

Benjamin Moore
Natura Paint (Eggshell Finish)

COLOR PALLET
Navy & Lime as Accent Colors

White
Navy
Lime

Grey Carpet Tiles

Green Leather Upholstery

Textured Glass For Privacy (Design 2 Only)

Carlos Moore
Natura Paint (Eggshell Finish)

Oak
Stainless Steel
Corridor (Design 1 & 2)

Design 1 - Existing

Design 2 - Remodel

- Stainless Art Frames
- LED Backlight Signage
  “Center for Detectors at RIT”
Center for Detectors
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
Conference Room
Corridor

- Addition of two large windows looking into the lab
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

Private Office Hallway & Open Office Area

Before

After
Perspective Views Continued

Open Office & Conference Room Area
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 - Context

Steelcase - Arbor

Steelcase - Convene

Steelcase – Protégé Chairs

Herman Miller - Resolve
Material & Finish Selection

- Upholstery
- Laminate Surface
- Wood Surface
- Metal for Signage
- Wood
- Carpet
- Flooring
- Laminate
- Paint
- Frosted Glass Pattern
- 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 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

Lab Cabinets
Optical Table
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
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

- **Steelcase Flex Frame System**
- **Bamboo Flooring**
- **Dura-design**
- **Bahamas Yellow**
- **Wall Paint**
  - Yukon Sky
  - Benjamin Moore
- **Bendu Executive Chair**
  - Coalesse
- **Bindu Side Chair**
  - Coalesse
- **Roller Shades**
  - Smith & Noble
  - Eco-Bark

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

Before

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

After

Tour System
Steelcase

FLOR Carpet Tiles
Easy as Pie, Earthen

Leap Chair
Steelcase
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

Welcome to The Center for Detectors
Hallway

- Photos taken by detectors displayed in hallway gallery
- Light and bright wall color
• 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
• Clear signage above door
• One central entrance
• Photos displayed as art
Private Offices

DIRRT Glass Wall Systems

Haze

Spurt

Bamboo Flooring
Dura-design
Bahamas Yellow

Steelcase Work Wall System
Conference

- E Table by Coalesce
  - Has multiple power hookups for laptops, monitors, or other electronics

- Bamboo Flooring
  - Dura-design
  - Bahamas Yellow

- Copper Artichoke Light

- Haze

- Glass Wall Systems
  - DIRT

- Spurt

- 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 Grouping
- Wall Mounted Flat Screen Monitor
- Large White Board
Coffee Bar

Before

Sidewalk Storage Unit
Steelcase

After
Special Project
Redesign center for detectors

Vivian Shin
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 workspace
- 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

[Images of color swatches and interior design examples]
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
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
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

Reed Glass
Stainless Steel
Wall Color
Laminate Flooring

Aeron Chair
Cabinetry
Conference Room

Steelcase
Finishes

Conference Room

Laminate Flooring

Chair color

Accent wall & column color

Wall color

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
Finishes

Hallway

- Laminate Flooring
- Accent wall color
- Wall color
- Hanging Signage
<table>
<thead>
<tr>
<th>Provide more privacy to offices</th>
<th>Provide better circulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open up student workspace</td>
<td>Improve visual displays</td>
</tr>
<tr>
<td>Make it easy to collaborate</td>
<td>Provide organization</td>
</tr>
</tbody>
</table>
INTERIOR PERSPECTIVES
OPEN WORKSPACE
INTERIOR PERSPECTIVES
LOUNGE
INTERIOR PERSPECTIVES

HALLWAY
FLOOR PLAN: OPTION II
INTERIOR PERSPECTIVES
OPEN WORKSPACE
INTERIOR PERSPECTIVES

LOUNGE

RECEPTION
MATERIALS & FINISHES
STEELCASE: FRAME ONE
Center for Detectors at RIT

Veronica Bassano
<table>
<thead>
<tr>
<th>Problems</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wires</td>
<td>Wire Management System</td>
</tr>
<tr>
<td>Room for conference area</td>
<td>Move conference area</td>
</tr>
<tr>
<td>Noise</td>
<td>Move Compressor System into new room</td>
</tr>
<tr>
<td>Unused Space</td>
<td>Create casual meeting areas</td>
</tr>
<tr>
<td>Display Area needed</td>
<td>Apply Wall Decals to display work</td>
</tr>
<tr>
<td>Lighting</td>
<td>New lightbulbs in combination with new lighting systems</td>
</tr>
</tbody>
</table>
Before

After

Optics Tables
New Conference Room
Casual Meeting Area
Conference Room
Furniture - Steelcase
Corridor - Welcome Display

Before

After
Corridor - Casual Meeting Space

Before

After
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

Weep holes to reduce condensation build up.

Security Cam-Lock.

VI Display.
Renderings - Original Floor Plan
Conference Room

Conference room located where solder station was.
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
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
LCD monitors will display images and information about the lab and its projects.

Windows now display lab and conference room.
Display cases will house images and information about sponsors.
Materials, Finishes & Furniture

Flooring

Becca Stool

Eames Office chair

Color Palette

Coalesse – Await Ottoman

Steelcase Roller Screen
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 within the spaces as well as promote productivity.
Option 1
Floor Plan - Walls The Same
Conference
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
Hallway
Option 2 - Floor Plan changed
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

Swing frame used to display larger posters

Mesa – Armstrong Acoustic Ceiling Tiles

Staggered Stud Wall used for acoustics
Lighting

Use of more task lighting and warmer lighting to provide adequate environment for productivity within 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

New Signage

Intermediate Conference Room

9 Student Workstations
Workstations

Staff Workstation
Steelcase - Answer Familiar Friend 2

Student Workstation
Steelcase - Answer Panel

Incorporate Task Lighting at Each Station

Paint Colors

- White Walls
- Accent
  - Vertical Architectural Elements
  - Horizontal Architectural Elements

Cherry Quarter-Cut Natural Veneer - 3122 Medium Cherry

Low Pressure Laminate - 2L30 Arctic White LPL

Metal - 8042 Brushed Aluminum

Reply Task Chair
Conference Room

Sponsor Display hides HVAC

To increase Privacy:
- White Boards on Windows
- Black-Out Shades on Windows & Doors

Paint Colors

Coalesse - host table
Conference Chair - Bindu
Signage & Hallway

- Custom Overhead Signage
- Display in Windows - posters or digital
- Signage in setback in hallway near stair entrance
- Bob Table by Steelcase
The Center For Detectors at RIT

SPECIAL PROJECTS

Hayley O. Lewis
**needs**

Goal. Provide interaction, ideation & productivity.

- Small Work Stations
- Less un-used Work Stations
- Low Partitions
- Simple Clean Work Surface
- Organization

**ideation**

Group. Easy Interaction

- Provide Visual Cleanliness
- Provide Less Space | Simple Partition
- Provide Open Spaces | Less Storage
IDEATION

Space Efficiency

LOW Partitions | Open Space for Light Penetration

Typical Student Space

Plant Life & Day Lighting
To Create a Healthy Happy Environment

Conference Room . Whiteboard . Projector
FLOOR PLAN [NEW]

/ hatched walls are new or re-worked/
[NEW] DETAILS

Zoomed View of NEW floor plan [Intern Desks]

Individual Lighting | Dimmers | Shades
For Personal Comfort

Display Areas | Sponsors

Context . Modular . Small foot-print
[NEW] DETAILS
Placement . Focus
FLOOR PLAN [EXISTING]
[EXISTING] VIEW

Use: Function

Plan View of Existing Plan

Perspective View of Existing Plan

Office to corner
For acoustical purposes

“Group Think” Area
[EXISTING] DETAIL

Before & After

Entryway Signage - Aluminum

Welcome To The Center for Detectors

Signage Used For Both Plans

Existing Design - Group Conference Area

Typical Private Office (both plans)

Current

TOPO Work Stations . Adjustable . Individual
FURNITURE
Comfort . Adjustment

TOPO Work Stations . Adjustable . Individual

Private Office Furniture (used for both plans)

Adjustment = Longer Productive Work Time

TOPO Storage System

Leap Chair

Compact . Common Storage

Arm-Extend Table Lamp

Casual & Occasional Seating
Compact | Foldable | Easy Storage

Rocky Chair
MATERIALS
Cleanable. Add Color

3M Privacy Partitions
Benjamin Moore: Natura Paint
Blackout Blinds
Reduce Interruptions
objectives

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

floor plan 2

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
## Pre-Design Research

<table>
<thead>
<tr>
<th>Problems</th>
<th>Solutions</th>
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<tbody>
<tr>
<td>Acoustical Problems from laboratory</td>
<td>Centralize all office spaces to promote connectivity</td>
</tr>
<tr>
<td>Awkward Private Office Entrances</td>
<td>Define a conference space</td>
</tr>
<tr>
<td>Over-sized, Cramped Open Offices</td>
<td>Display Sponsor materials and examples of detector work</td>
</tr>
<tr>
<td>Display of Sponsors Logos</td>
<td>Smaller open office systems</td>
</tr>
<tr>
<td>Wants to brand the space with what they do</td>
<td>Playful color palettes and art work</td>
</tr>
</tbody>
</table>
Original Floor Plan

- Stair
- Open Office
- Private Offices
- Open Office
- Private Offices
- Adjacent Offices
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
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

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

Types of ceilings

Design powerhouse for all cables

Wall paneling

Hallway
Hallway Display

CENTER FOR DETECTORS

Center for Detectors

CENTER FOR DETECTORS
Soldering/Dark room

- SW6811, Honorable blue by Sherwin-Williams
- scratch-resistant concrete countertop
- continuous backsplash ceramic tiles
- wall paneling systems by Forms+Surfaces
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

Frosted Glass

Grommet

New Cabinet for Computer Tower

Special Projects 20103
Jenna Czudak
Solution 1

Filo Chair
www.keilhauer.com

Folding Modular Conference Table
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

SteelSentry

Special Projects 20103
Jenna Czudak
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
• 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
• 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 UPHOLSTRY
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

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

Private office

H. Douglas Alustra Privacy Blinds

CARPET

DESK

TASK CHAIR

PERSONAL LIGHT

PERSONAL WALL ART
H. Miller Limerick stacking chair

H. Miller 5000 series desks

Sherwin Williams Pro Mar 200-0 VOC Paint

Track Lighting in reception area to show off sponsors

Signs for each area and door
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
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

Center for Detectors Lab
Rochester Institute of Technology
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

Aeron Chair - Herman Miller

Frosted Glass Curtain Walls
Second Option Rendering- New Conference Area with Presentation Space
Second Option-New Conference

2\textsuperscript{nd} View