

Northwestern

Common Spaces

Strategies, Standards + Guidelines

September 5, 2018



A Vision for Common Spaces

The Common Spaces supports the university's current mission, vision, and strategic plan by focusing energy and resources on the most impactful projects Northwestern is positioned to address. Beyond a plan to enhance and standardize first impression areas through front-of-the-wall rehabilitation projects, Common Space establish specific values that will help elevate and activate common spaces, ensuring that the university's facilities present the best possible image and experience to students, staff, faculty, alumni, and visitors:

Looking at physical condition, brand, and user experience, will help to give purpose to common spaces and create unique interiors that relate to multiple standards and guidelines.

Northwestern's two campuses, rich legacy, and commitment to multidisciplinary directions makes for a diverse and unique campus experience.

The downtown Chicago campus reflects the bustling energy of city life while the Evanston campus provides idyllic academic beauty. Buildings are not restricted to a particular style, and functions vary widely. The Common Spaces Guidelines seek to celebrate these differences while creating a consistent, unifying thread of the Northwestern Experience.

Aesthetic Story



LEVERAGE OUR MIDWESTERN ROOTS

Fostering social interaction and adding strength to the Northwestern environments – between the wide array of destinations and stimuli—is the common space. Common spaces are the spaces **unifying the diverse programs while respecting the identity of each**. They help define, or blur, the boundaries between formal learning spaces and when done successfully, they become a third type of accessible space that shapes the campus experience in which **curiosity peaks at every intersection**.

Not the classroom, not the dorm room, nor the office – but the colliding connections between programmed spaces where a casual mix of students, faculty and staff, all with multi-disciplinary and diverse backgrounds, may **cross paths and connect minds** for the very first time. Taking advantage of these often overlooked spaces is the key to capturing the potential of every square foot that Northwestern has to offer its intricate network of people.

Northwestern University started as a seed of culture and education in a rural setting most notable for its low bluffs and breathtaking views of Lake Michigan. Step by step in their growth, both the Evanston and the downtown Chicago campus exert a direct influence on the growing city that it was founded to benefit, and many students, families, and faculty fall in love with the **changing seasons** and the opportunistic proximity to an internationally renowned city.

The Midwest is unlike an East coast Ivy League school and also unlike the west coast technology driven schools. It is somewhere in between, on this “fresh” coast, where it **balances tradition with innovation** in a very sophisticated way. The Midwest has a history of being makers and practitioners, where technology tends to enable more practical “nuts-and-bolts” services. And yet it is also a place of **cutting-edge science, interactive learning, youth, vibrancy, and energy**, where the University responds not only to the needs of the institution but also to those of the modern city.

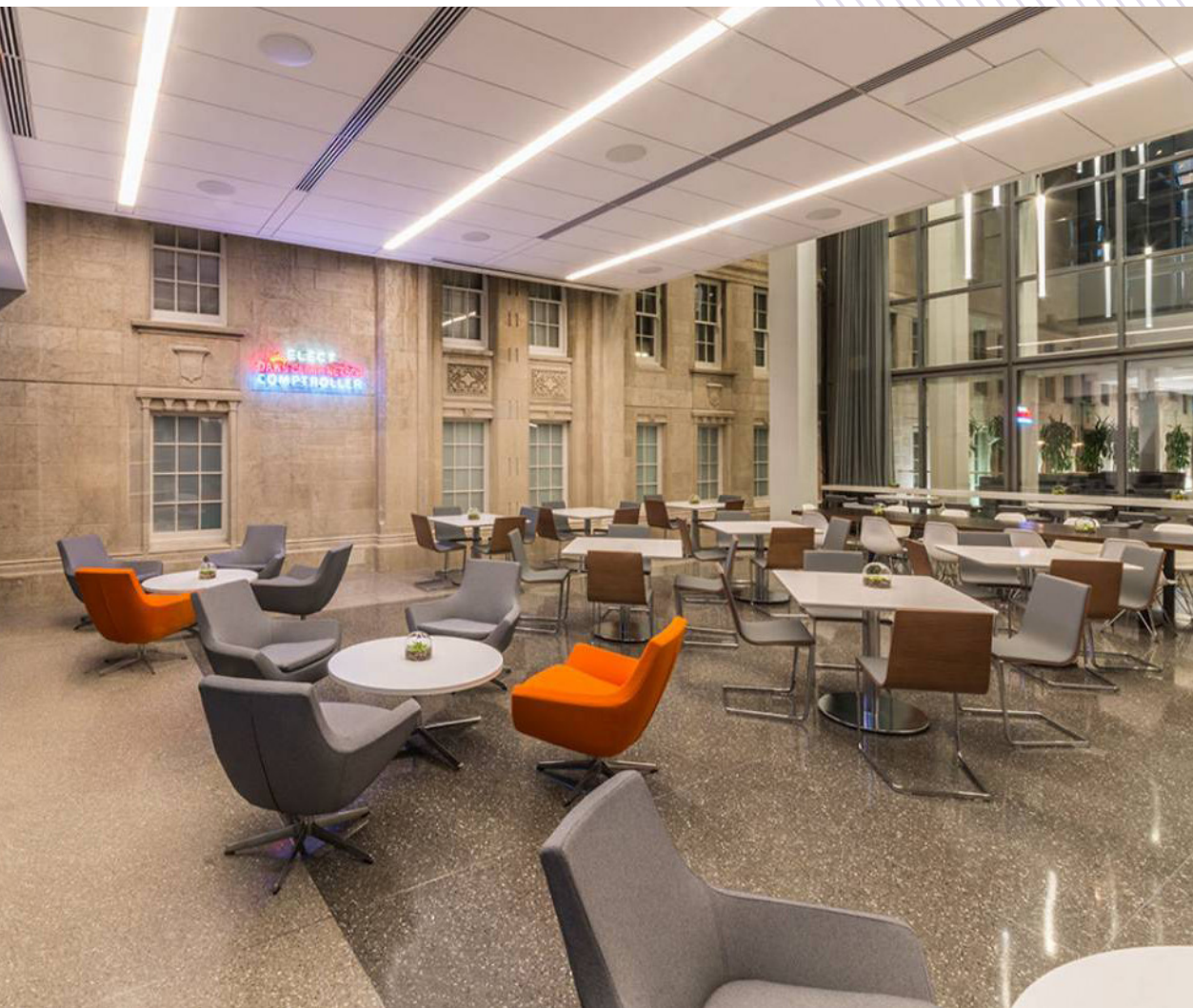


INTEGRATE TRANSPARENCY



It is this dual nature of tradition and innovation / **raw aesthetic with technical stamina**, which makes the physical environment of Northwestern so dynamic. Intellectual vibrancy is exposed and walls of perception broken down in the Ford Building where a wonderful mix of **rich woods** create a balanced contrast with the open maker spaces and labs. The visual connection reveals the legacy of Midwestern values as they manifest directly into core curriculum, where new ideas are refined to become useful. Revealing the process of making and doing creates an environment that allows a mindset for dreaming and inspires others when something magical is happening.

SHOWCASE THE LANDSCAPE



**HONOR
NORTHWESTERN'S
LEGACY**

**BALANCE
OLD AND
NEW**



With the Northwestern legacy at its foundation, centuries of scholarly traditions echo themselves in the personality of who Northwestern is today. Throughout history, Northwestern students have voiced their opinion across campus showing political activism and dedication to urban problems. Tertiary spaces, like the Rock and Lake Michigan's shoreline, are non-hierarchical spaces where free expression and communication naturally happen on campus. Inclusive spaces where thoughts and ideas can see and be seen and which instantly demonstrate a welcoming nature for all users helps engage Northwesterners in their surroundings. Opportunities to candidly voice opinions translates the determination for student autonomy and becomes a physical reminder that expression is a cherished form of individual empowerment. **Architecture and space that expresses the objectives of the university with purpose and articulateness of individual people, organizations, departments, and entities** are where the essence of Northwestern's mission (to follow your own direction) manifests in physical form.

Just as individual expression is important, so is community inclusion. **Subtle and unexpected infusion of the Northwestern brand helps celebrate the common identity and shared goals across campus.** Piping accent on an upholstered piece, or a frame color on a table or chair—Using purple sparingly to draw attention to or highlight special features, like the Sailing Center doors, takes the brilliant complexity

of the millions of diverse square feet from multi-disciplinary buildings and unifies them in a very tasteful and playful way.

Not only are common spaces high performing in their role to connect people to each other, these spaces are also contributing to the larger connection to the landscape and community which directly support and take care of the whole student, faculty and staff member. Part of this holistic approach includes visual **exposure** between interior and exterior views, infusion of familiar details, and assurance of common safety features that make it easy for students to feel comfortable using, accessing, and collaborating in common spaces or classrooms at any time of day. Environments that provide a sense of comfort make it easy for students, faculty and staff to pro-actively engage in their present day to day journey going to and from spaces, and also in their academic or professional journey. Spaces like the Garage offer a vibrant environment developed around the vulnerable mindset of the student. This tertiary space offers familiar resources and amenities in a **risk-averse setting** becoming a safe haven for students to explore new ideas and fail often. Fostering the mindset of the student helps to embrace the positive moments so it is easier to get through the challenging ones. Having a **positive relationship with environments where growth and development occurs** is crucial for long-term wellbeing.

Not only are common spaces high performing in their role to connect people to each other, these spaces are also contributing to the larger connection to the landscape and community which directly support and take care of the whole student, faculty and staff member. Part of this holistic approach includes visual **exposure** between interior and exterior views, infusion of familiar details, and assurance of common safety features that make it easy for students to feel comfortable using, accessing, and collaborating in common spaces when classrooms at any time of day. Environments that provide a sense of comfort make it easy for students, faculty and staff to pro-actively engage in their present day to day journey going to and from spaces, and also in their academic or professional journey. Spaces like the Garage offer a vibrant environment developed around the vulnerable mindset of the student.

This tertiary space offers familiar resources and amenities in a **risk-averse setting** becoming a safe haven for students to explore new ideas and fail often. Fostering the mindset of the student helps to embrace the positive moments so it is easier to get through the challenging ones. Having a **positive relationship with environments where growth and development occurs** is crucial for long-term wellbeing.

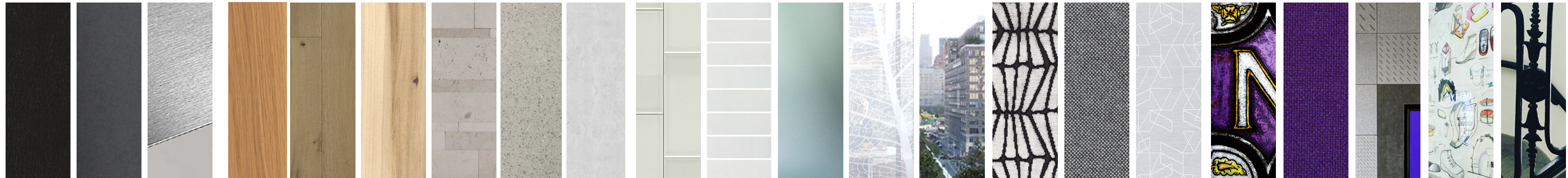
There are two aesthetic impulses best described of Northwestern in Jay Pridmore's Campus Guide of the University, "a university as a peaceful oasis in the wilderness, (and) a university in an urban, active commercial and cultural center." The variance developed on campus with **modern structures built around historic foundations** and magnificent wooded pathways with modern city skyline views, intensifies the connections

between past and future and creates a unified setting to think both particularly and broadly. Moments on campus where interiors connect to this setting and allow natural light to bring out the brilliance of Northwestern's character are positively highlighting the world-class institution it is. In turn, these connections present an opportunity to forge a more robust social identity with the local community and enrich the collaborative network with organizations across the Midwest and the globe. Connections expose students to the realities of the external world where innovation and partnerships are a way of life and prepare them to become next generation leaders.

Harmonizing the "dual and often conflicting forces" of Northwestern's historical traditions with that of intense ambition to inseminate new

knowledge is one of the most uniquely defining stimulators of innovation occurring within Northwestern walls. The **arbitration between old and new** may be the most intriguing design characteristic of Northwestern and coincidentally a fertile ground for creating new leaders and new mentors. Complimentary dichotomy is consistent in the "And" in Northwestern students, whom advocate towards willfully balancing academics and athletics, joining intellects of art and science, work and play – Northwestern knows the "and" moments are where collisions occur. **Creating relationships between buildings, between departments, and between corridors** creates the coalescing moments for engaging research to reach inspiring new thoughts – inconceivable discoveries are sparked at the intersections where diverse programs and people connect. The "And" moments flourish in these common spaces.

MATERIALS & TEXTURES:



METAL

Use metals to highlight, frame and protect important architectural features from wear and tear. Metals should be soft and smooth to the touch but should be able to withstand heavy impact.

WOOD

Use wood to elicit a sense of honesty and truth. Wood should be sealed, but remain unstained to truly evoke its natural state. Where possible, specify oaks specific to the local region. Avoid the use of dark woods, red tones and lighter blonde woods.

STONE

Stone selections should tie in with any natural stonework existing on the inside or the outside of the building. Stone should evoke a calming, natural feel representative of the shorelines of Lake Michigan.

TILE

Whether wall tile or ceiling tile, keep it crisp and fresh with classic proportions and installation methods.

GLAZING

Transparency is a way for departments to communicate visually between each other and also a way to expose users to natural light and views. Introduce varying levels of transparency to achieve specific privacy needs, while still maintaining a fresh, open feeling reminiscent of the Midwest outdoors.

TEXTILES

Patterns and textures should be used on less permanent finishes, like fabrics, films and wallcoverings. Allow subtle patterns to take cues from original architectural elements, and/or nature that celebrate the identity of place.

DETAILS

Preserve the character of existing architectural details when possible and blend with modern Northwestern branding solutions, finish treatments and furniture selections to give rich depth to the legacy of Northwestern and the exciting direction it is heading. Incorporate flexible showcase spaces for users to quickly customize and continuously voice their presence as active participants in shaping the University.

Guiding Principles

Champion Intellectual Vibrancy

- Support academic rigor
- Enable passion
- Honor achievements
- Reveal process

Intensify Connections

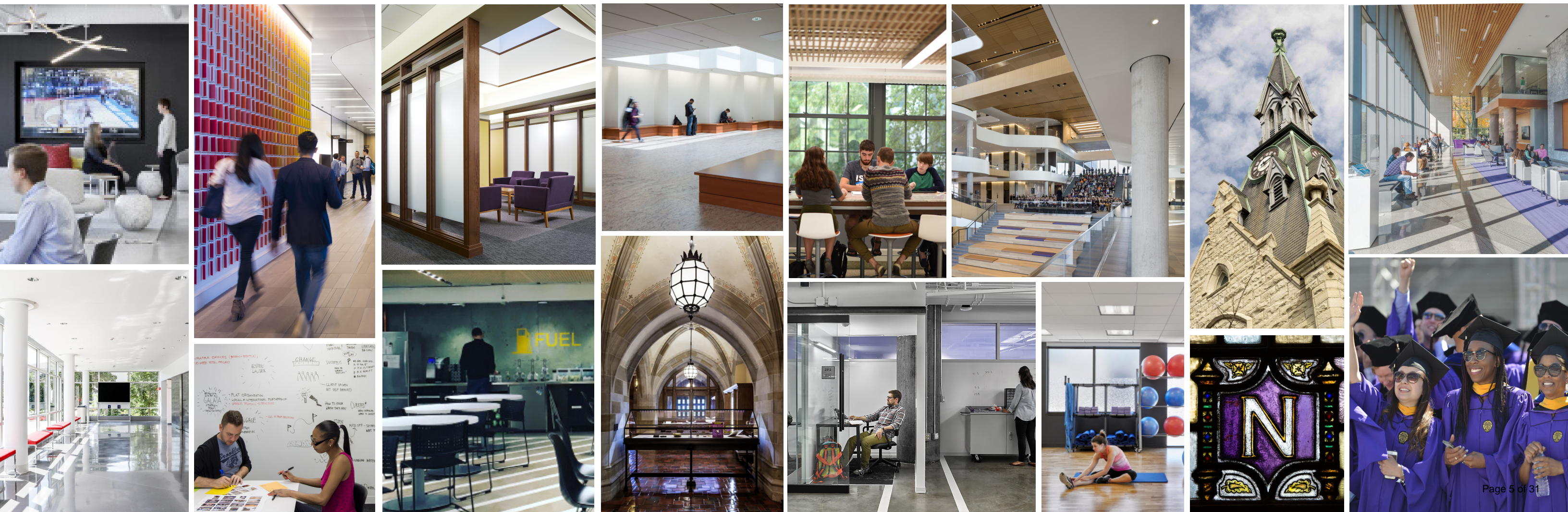
- Create the 'and' moments
- Make activities visible and equitable
- Integrate with the outdoors

Your _____ Matters

- Impart a sense of safety and security
- Encourage wellbeing
- Inspire play
- Make it easy, simple and intuitive
- Details make a difference

Celebrate Identity

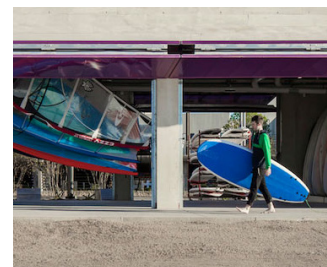
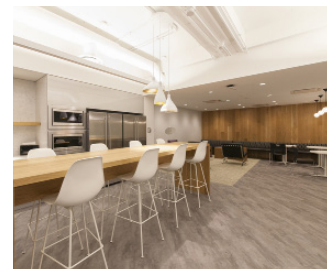
- Enable community expression
- The Northwestern legacy is our foundation
- Everyone can follow their own path
- 'Northwestern Direction'



Classification Philosophy

Common spaces are categorized under 5 space classifications, regardless of what primary building type they may be considered within. This means a primarily academic building may have administrative spaces, academic spaces, and assembly spaces within it.

The Classification Philosophy pages explain the overall strategy for the space classification and how they relate back to the Guiding Principles; what the function, aesthetics, feel, and experience should achieve.



ACADEMIC

Academic spaces lie at the forefront of Northwestern's mission. They are the places where students learn, connect, and work on a daily basis.

ADMINISTRATIVE

Although primarily for staff and faculty, administrative spaces should create a welcoming transition by balancing a professional feel with an academic playfulness.

ASSEMBLY

Assembly spaces are the most external-facing space classification at Northwestern, and are the greatest opportunity to project Northwestern's image.

STUDENT LIVING

As the place where students live, the most important aspect of residential spaces is to create a welcoming, non-institutional environment; it is to create a home.

SPORTS & RECREATION

Sports and Recreation spaces encompass everything from student gyms to stadiums, so they need to cater to a wide variety of users and functions. Flexibility is key.

Space Type Matrix

		Finishes																Furniture / Millwork / Upholstery																															
		Floors					Walls					Ceilings						Furniture																															
		High Traffic			Med/Low Traffic		High Contact			Medium Contact		Large, Medium & Small Spaces						Work			Cafe			Lounge			Assembly			Lactation																			
		F-01			F-02		W-01			W-02		C-01						FR-01			FR-02			FR-03			FR-04			FR-05																			
		Stone	Terrazzo	Concrete	Porcelain	Resilient Floor	Wood	Stone	Carpet	Ceramic Tile	Wall Tile (wet & decorative)				Wall Tile (decorative)				Exposed Ceiling	Drywall / Plaster	Small Format ACT	Not Used	Metal Panel Ceiling	Wood Panel Ceiling	Diffuser Panel	Mineral Fiber & Fiberglass	Task Chair	Work Table	Coffee Table	Lounge Chair	Sofa	Cafe Chair	Bar Height Counter	Stools	Cafe Table	Sofa/Lounge Chair	Bench	Stool	Coffee Table	Side Table	Fixed Seating	High Density Stack Seating	Tables	Podium	Small Table	Glider			
		a	b	c	d	e	a	b	c	d	a	b	c	d	a	b	c	d	e	f	g	h	a	b	c	d	e	a	b	c	d	a	b	c	d	e	a	b	c	d	a	b							
SPACE TYPES	Public Restroom		x	x	x						x	x																																					
	Restroom		x	x	x						x	x																																					
	Lactation Room				x	x			x		x	x	x																															x	x				
	Secondary Stairs	x	x	x	x	x					x	x								x	x	x																											
	Meditation Room					x	x		x			x	x																																				
	Side Street	x	x	x	x	x	x	x	x		x	x	x		x	x	x																																

Space Type Matrix

		Tech			Plumbing								
		AV			Toilet				Public				
		Lg, Md, Sm			Lg, Md, Sm Spaces								
		T-01			P-01							P-02	
		Projector & Screens Audio / Speaker System Monitors			Toilet Urinal Sink Faucet Flushometer Shower Floor Drain							Water Fountain Bottle Filling Station	
		a	b	c	a	b	c	d	e	f	g	a	b
SPACE TYPES	Public Restroom				x	x	x	x	x		x		
	Restroom				x		x	x	x		x		
	Lactation Room						x	x					
	Secondary Stairs												
	Meditation Room												
	Side Street											x	x

Lighting / Electrical				Brand Communication - Signage & Wayfinding																
Primary		Decorative		Identif.			Directory		Regulatory			Wayfind	Notice Bds							
Lg, Md, Sm Spaces				Lg, Md, Sm Spaces																
L-01		L-02		L-03	S-01			S-02		S-03			S-04		S-05					
Recessed Fixture / Downlight Perimeter Lighting		Pendant / Suspended Spot Light Wall Sconce LED Strip Light		Emergency Light	Room Identification Building Identification Space Type Identification			Map List Digital Option		Service Blades Restroom Amenity & Signage Stairs Elevators Accessibility Emergency Egress			Wall Mounted Signage Overhead Signs		Rules & Regulations Code of Conduct Flag Mounted Freestanding					
a	b	a	b	c	d	a	a	b	c	a	b	c	a	b	c	d	a	b	c	d
x						x	x		x											
x						x	x		x											
x						x	x		x								x			
						x	x		x											
x						x	x		x											
x						x	x													

Space Type Matrix

		Brand Communication - Experience & Storytelling																							
		A/S/F		History		Wall Graphics								Artwork		Digital		Glass		Atypical					
		Lg, Md, Sm Spaces																							
		E-01		E-02		E-03		E-04						E-05		E-06		E-07		E-08		E-09		E-10	
SPACE TYPES		Donor Recognition		Digital Static		Digital Static		Supergraphics						Static Interactive		Gallery Walls		Student Artwork		Interactive Graphics		Distraction Graphics		Floor Graphics	
		a	b	a	b	a	b	c	d	e	f	a	b	a	b	a	b	c	a	b	a	b	a	b	c
Public Restroom																									
Restroom																									
Lactation Room																									
Secondary Stairs						x	x	x	x	x	x														
Meditation Room																									
Side Street			x			x	x	x	x	x	x			x	x	x	x	x							



PUBLIC RESTROOM

DEFINITION

Public Restrooms include all toilet facilities that are made available for general public use along with the rest areas contiguous to a public restroom.

USER EXPERIENCE

Impactful. Often restrooms are the first and last stops in user's journey to and from campus, leaving an impact on the memory of their experience. Whether using showers, toilets and/or the lavatory, take special care in designing and coordinating the details to accommodate all user needs.

Transitional. This space should provide a feeling of inclusiveness with a blended transition from the overall building aesthetic.

Private. This space should shelter activity and provide privacy of function. Rooms should have appropriate acoustical separation, and sightlines with low to no visibility into the interior activity of the room upon access.

Accessible. Restrooms should be easy to locate and ideally located in multiple convenient locations on campus in order to save users travel time and stress. Restrooms are barrier-free, accessible spaces that should meet minimum clear turning space and maintain specific clearances at fixtures and controls.

Intuitive. Restrooms should be designed intuitively allowing for easy navigation and natural activity flows that accommodate a range of mobility types. This space is meant to provide a sense of security by remaining familiar and intuitive.

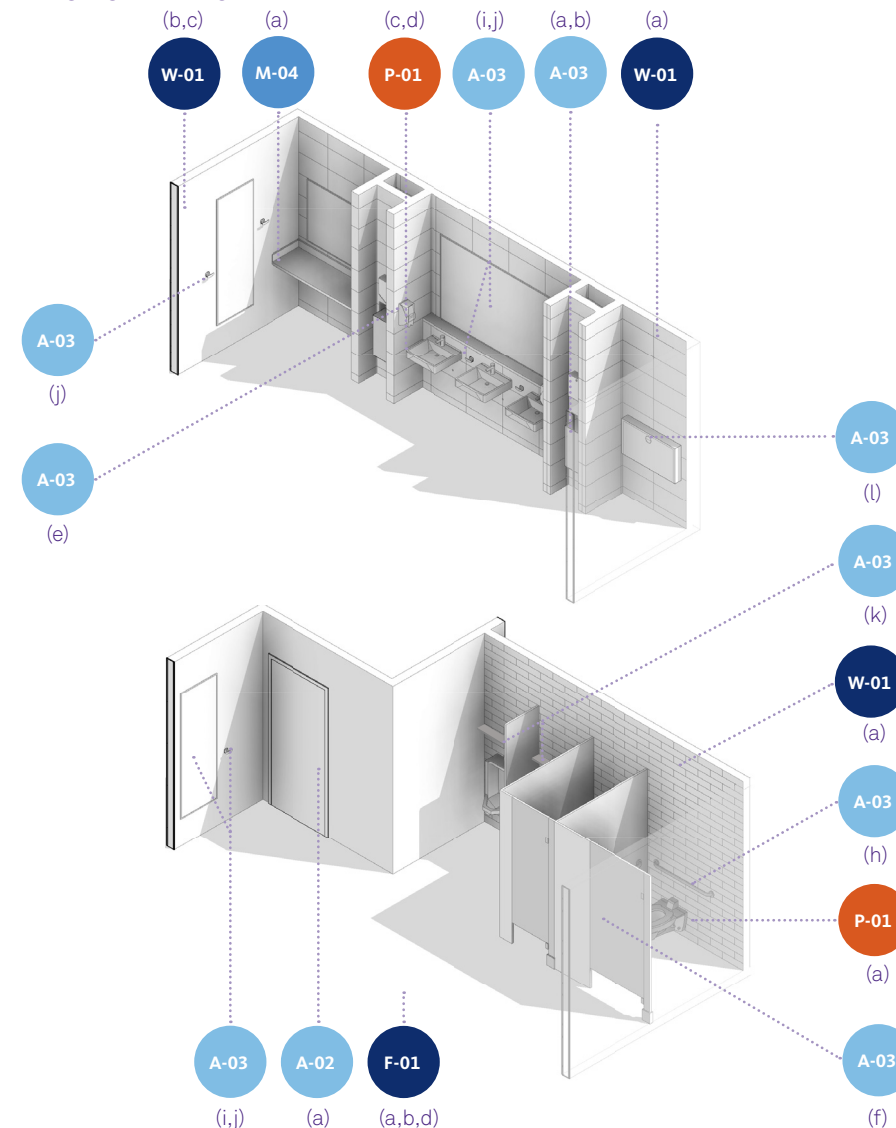
PROGRAM REQUIREMENTS

- Strategies and Element Guidelines must comply with ADA Guidelines and all other Accessibility Codes
- Meet specific requirements under Division 22 Plumbing of the Northwestern Design Guidelines and Technical Standards

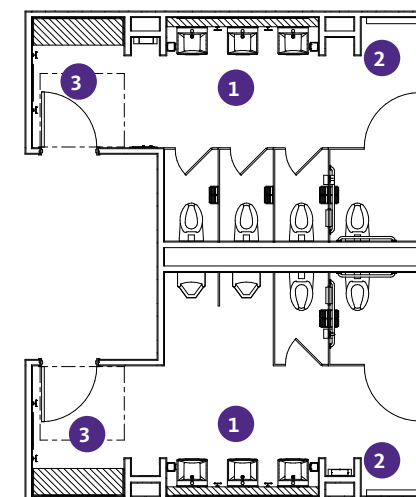
CONFIGURATIONS

- HAND WASHING**
 - Sink and shelf or counter space for personal items
 - Hand soap dispenser within easy reach from sink
 - Surface mounted paper towel dispenser located near the sink that does not project more than 4" past surface
 - Freestanding trash receptacles located adjacent to the sinks
 - Electric Hand Dryer
- BABY CHANGING STATION - (Where included in program)**
 - Extended counter surface with baby guard when adequate surface area allows; Steel wall mounted baby changing station when surface space is not available
 - Diaper disposal
- STORAGE**
 - Coat hooks on a wall near the door and on the interior of toilet partition doors
 - Stock, storage and/or janitorial rooms to replenish supplies should be located adjacent to restroom entrances

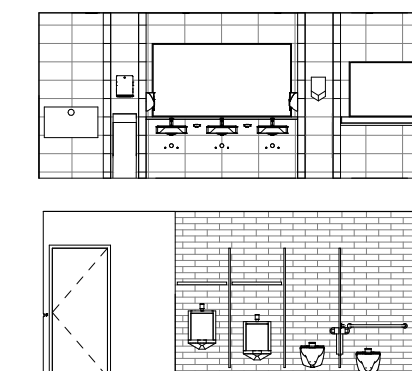
AXONOMETRIC VIEW



FLOOR PLAN



INTERIOR ELEVATION



SPATIAL CONSIDERATIONS

- Freestanding trash receptacles
- Provide adequate lighting for detail work.
- Provide a full length mirror.
- Mirror mounted to meet Accessibility Guidelines. locate soap dispensers at proper ADA height
- Mount coat hooks 30" high from finished floor, equal distance between sink



SINGLE RESTROOM

DEFINITION

Private, single restrooms include academic toilet facilities that are made available for general public use for families or anyone of any gender. These are essential spaces for students, staff and faculty while attending work, school or events.

USER EXPERIENCE

Inclusive. Private Restrooms allow users to feel empowered to use the bathroom they identify with most comfortably. Private restrooms promote inclusion for multiple users, including families, people with opposite-sex caretakers, varying or transgendered individuals and/or users seeking additional privacy.

Private. This space should shelter activity and provide privacy of function. When possible rooms should have appropriate acoustical separation, with low to no visibility into the interior activity of the room upon access.

Accessible. Restrooms are barrier-free, accessible spaces that should meet minimum clear turning space and maintain specific clearances at fixtures and controls.

Intuitive. Restrooms should be designed intuitively allowing for easy navigation and natural activity flows that accommodate a range of mobility types. This space is meant to provide a sense of security by remaining familiar and intuitive.

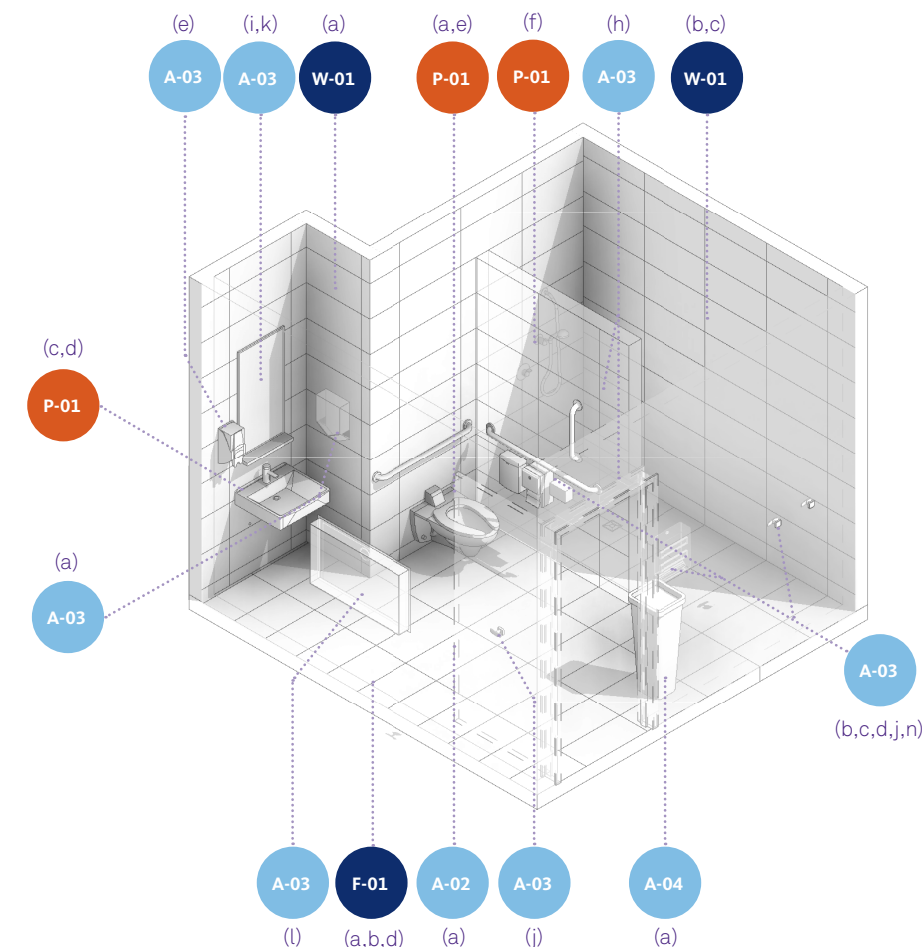
PROGRAM REQUIREMENTS

- Strategies and Element Guidelines must comply with ADA Guidelines and all other Accessibility Codes
- Meet specific requirements under Division 22 Plumbing of the Northwestern Design Guidelines and Technical Standards

CONFIGURATIONS

- HAND WASHING**
 - Sink and shelf or counter space for personal items
 - Amenities such as hand soap or disinfecting hand soap
 - Surface mounted paper towel dispenser located near the sink that does not project more than 4" past surface
 - Freestanding trash receptacles
- BABY CHANGING STATION - (Where included in program)**
 - Extended counter surface with baby guard when adequate surface area allows; Steel wall mounted baby changing station when surface space is not available
 - Diaper disposal
- STORAGE**
 - Coat hooks on a wall near the door
- SHOWER STALLS - (Where included in program)**
 - Full height tile or equally durable material
 - Ensure beveled slope at shower stall complies with ANSI, section 303.2. Pitch of floor should be tested during construction

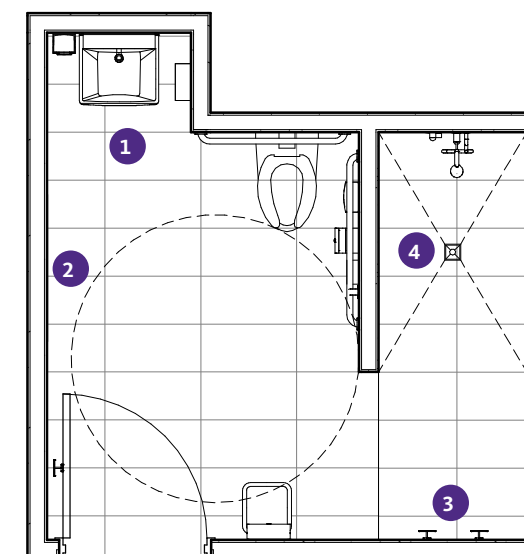
AXONOMETRIC VIEW



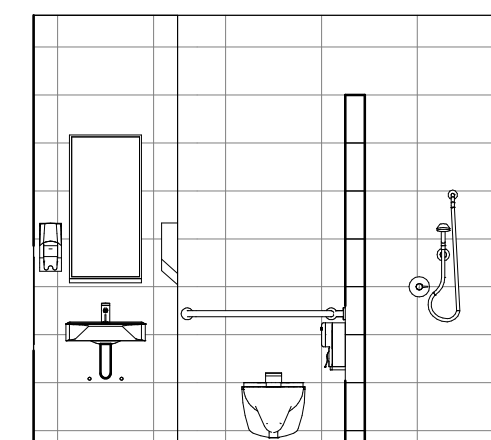
SPATIAL CONSIDERATIONS

- Freestanding trash receptacles
- Shelf for personal items, align bottom of mirror with shelf.
- Surface mounted mirror equally centered at alcove, 40" height
- Mount coat hooks near door 30" high from finished floor

FLOOR PLAN



INTERIOR ELEVATION





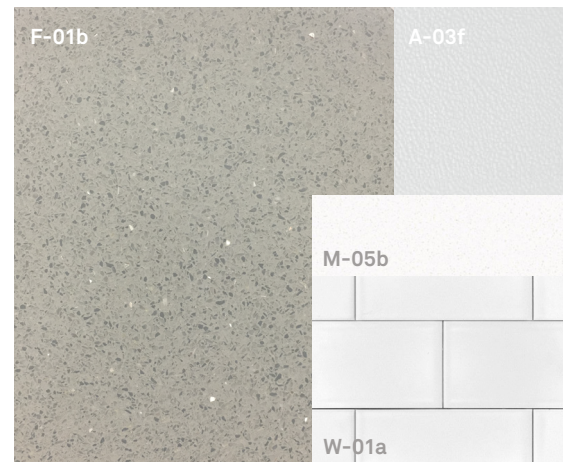
PUBLIC RESTROOM

FINISH VARIATIONS

While the size and configuration of every public restroom will vary, each should obtain an overall clean and neutral look and feel. As a base, select a dominant floor and wall tile that compliments the overall building aesthetic, then balance the remaining finishes with contrasting toilet partitions and counter surfaces.



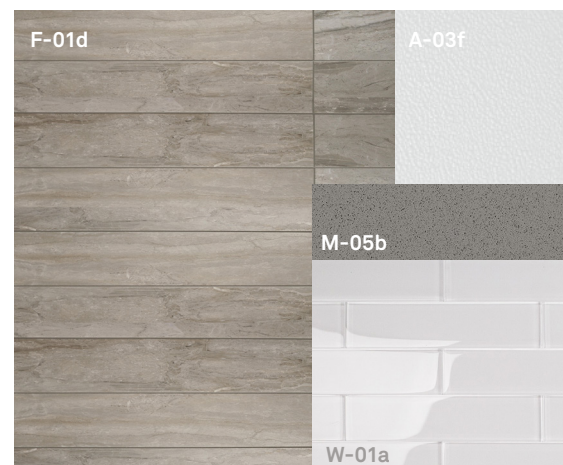
Light.



Classic.



Cool.



Warm.

EXAMPLE RESTROOMS



Mudd Library



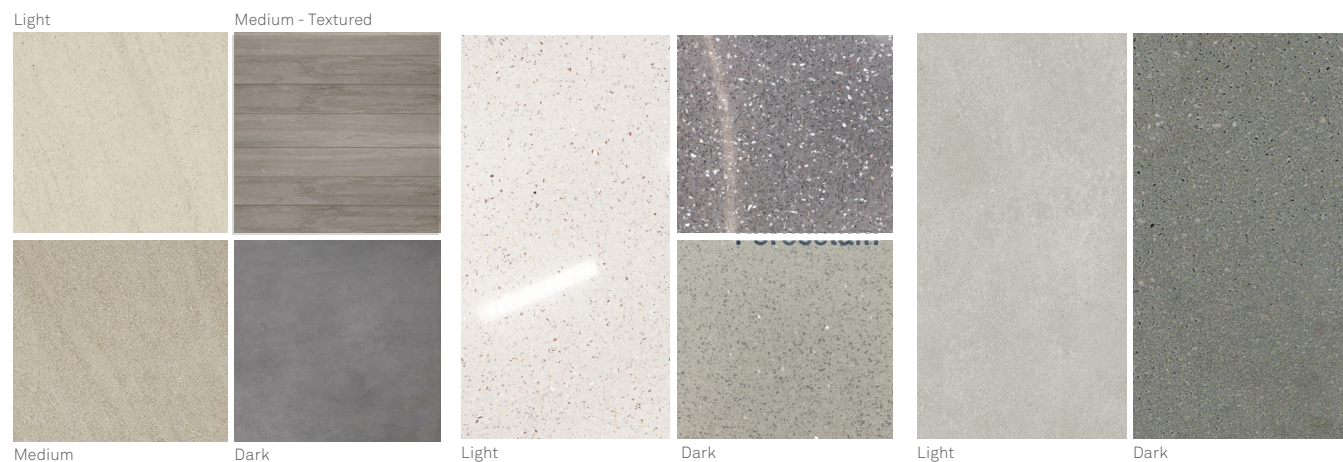
Kresge Hall



PUBLIC RESTROOM

F-01

FLOOR FINISHES:



Porcelain

DESIGN CONSIDERATIONS

- There are limitless styles in porcelain tile flooring as these tiles are made to look like granite, slate, marble, wood or limestone. In comparison it is also more cost effective and low in maintenance
- Avoid light colored grouts on floors and other horizontal surfaces
- Apply Schluter edging at all outside corners and top of tile

Terrazzo

SPECIFICATION

Specific tones, colors and aggregates to be selected per project.

DESIGN CONSIDERATIONS

- The terrazzo chosen should tie in with any existing visual aesthetic on the inside or the outside of the building
- Terrazzo flooring designs are highly customizable to meet nearly any design need. The chip combinations and color selections are preferred to be from natural toned matrixes and should thoughtfully align with the goals of the project
- Consider an integral terrazzo base when feasible
- Local manufacturers and aggregate suppliers are preferred
- Seal surfaces according to NTMA's written recommendations

Concrete

SPECIFICATION

Specific tones, colors and local aggregates to be selected per project. For concrete tile:

Finish: Polished and Sealed

DESIGN CONSIDERATIONS

- Concrete material can evoke a raw and industrial feel in spaces that are meant to promote creativity and making
- When coupled with a sophisticated concrete can offer a refined, minimal and classic look to a space
- A sealed and regularly maintained concrete floor can last indefinitely
- When sealed properly concrete is abrasion resistant to fire, water, odors, however hairline cracks, scratches, staining may occur over time, but add to the luster and character of the floor
- Epoxy or polyurethane sealer types are recommended on floors in high-traffic to provide good resistance to scuffs and staining to enhance the beauty of colored, or exposed-aggregate concrete

W-01

WALL FINISHES:



Wall Tile (Wet & Decorative)

DESIGN CONSIDERATIONS

- Tile products provide dual functions, they serve an aesthetic function as a design component and technical function as a building finishing material that is capable of withstanding a wide range of environmental stresses
- Materials used should be easy to repair or replace individual tiles
- For residential areas such as typical private or "shared" bathroom, use Daltile ceramic wall tile, minimum five feet up wall, rolled top, Schluter strip base

Paint

SPECIFICATION

Manufacturer: Benjamin Moore
Style: Eggshell
Color: Decorators White CC-20

Alternate white paints: Benjamin Moore: Bone White, White Dove, China White, Linen White, Super White (for ceilings and soffits)

Alternate color paints: Benjamin Moore: Deep Mulberry 2069-10, Blackberry Wine 2069-20, Gentle Violet 2071-20, Iron Mountain 2134-30, Sweet Innocence 2125-50

DESIGN CONSIDERATIONS

- For major renovations or ground-up buildings, wall tile will be required; Use paint only at soffits or (when applicable) in academic houses if tile cannot be installed
- Through a powerful tool of color to entice and engage a target audience, conveying messages and meaning of brand; utilized in brand strategy / story

Porcelain

DESIGN CONSIDERATIONS

- There are limitless styles in porcelain tile flooring as these tiles are made to look like granite, slate, marble, wood or limestone. In comparison it is also more cost effective and low in maintenance
- Apply Schluter edging at all outside corners and top of tile



PUBLIC RESTROOM

C-01

CEILING FINISHES:



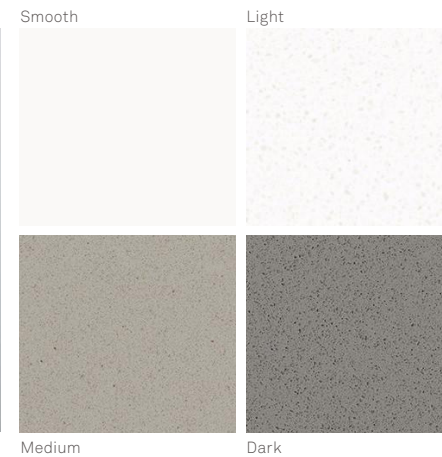
c. Small Format Acoustical Ceiling Tile (ACT)

DESIGN CONSIDERATIONS

- Allows for a finished look and is valuable for reducing noise levels in environments where noise control is important
- The lay-in panels and grid support should allow for easy access to services in plenum spaces
- Small format ACT solutions should have a fine grain finish
- 1" thick 2x2 or 2x4 square Lay-in acoustical ceiling tile
- Used with an exposed or recessed 9/16" suprafine suspension system
- Wet-formed mineral fiber with acoustically transparent membrane
- Surface finish is an acoustically transparent membrane with factory applied latex paint
- Access is necessary for maintenance of mechanical equipment and electrical fixtures

M-05

MILLWORK:



b. Drywall / Plaster

SPECIFICATIONS

Finish: Level 4 Finish, Flat Paint

DESIGN CONSIDERATIONS

- Use drywall in areas where a monolithic ceiling is desired - use plaster only when appropriate for preservation purposes
- Good to use in spaces where ceilings need to be scrubbable and/or withstand chemical exposure
- Appropriately located access panels is necessary for maintenance of mechanical equipment and electrical fixtures

b. Solid Surface Counter

SPECIFICATION

Manufacturer: HanStone or equal

Style: Quartz

Color: (Smooth) Royale Blanc, (Light) Bianco Canvas, (Medium) Pewter, (Dark) Leaden

DESIGN CONSIDERATIONS

- Clean lines, seamless appearance,
- Wide range of design choices and possibilities for aesthetic expression - vast range of trending patterns and tones, as well as custom-designed colors
- Matte / Satin finish preferred
- Lighter colors preferred as they tend to show watermarks less than darker colors
- For residential areas such as typical private or "common shared" bathrooms, use solid surface at window sill material (refer to Northwestern Design & Technical Standards)

P-01

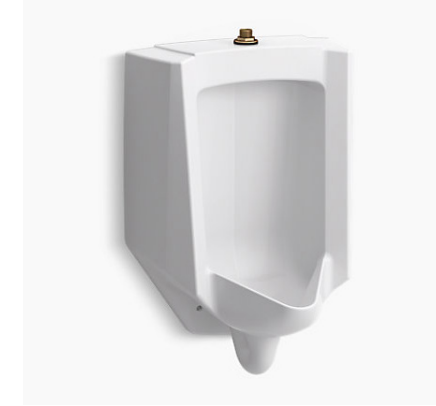
PLUMBING FIXTURES: (See Master Spec)



a. Toilet

DESIGN CONSIDERATIONS

- ADA-compliant; when installed at required height of 17" - 19" from floor to top of seat, and 16"-18" from the side wall
- Wall-mount preferred for new construction and when possible in renovations



b. Urinal

DESIGN CONSIDERATIONS

- Optional flushometer
- Wall-mount (preferred)
- When possible urinals should match

existing fixtures for renovation projects



PUBLIC RESTROOM

A-04

DISPOSAL:



a. Integrated Trash / Recycling

SPECIFICATIONS

Manufacturer: Bobrick
Style: Freestanding B-2280, 21 gallon Square
Color: Stainless Steel

DESIGN CONSIDERATIONS

- Floor standing waste receptacle are preferred. Preferred to be placed directly below paper towel dispenser

A-03

RESTROOM ACCESSORIES:



a. Hand Dryer (if applicable)

DESIGN CONSIDERATIONS

Manufacturer: Dyson
Style: Airblade V
Color: Sprayed Nickel

DESIGN CONSIDERATIONS

- Mounting surface should be smooth and flat
- Mount dryer at least 24 inches away from basins and at least 20 inches away from corners
- Mount multiple hand dryers a minimum separation distance of 20 inches (measured center to center)
- Avoid installing hand dryers in narrow hallways and behind swinging doors



b. Paper Towel Dispenser

DESIGN CONSIDERATIONS

Manufacturer: Tork
Style: 5510282, 5510202
Color: Plastic Black, White
Note: Colors for A-03 selection should match

DESIGN CONSIDERATIONS

- Matic Touch-free, pull towel mechanism dispenses 12" length per pull (optional)
- If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange and finish face of wall

A-03

RESTROOM ACCESSORIES:



c. Toilet Tissue Dispenser

PERFORMANCE

Manufacturer: Tork
Style: 5555290, 5555200
Color: Plastic Black, White
Note: Colors for A-03 selection should match

DESIGN CONSIDERATIONS

- Partition-mounted or surface mounted
- Multi-roll or dual sided multi-roll toilet tissue dispenser



d. Sanitary Napkin Disposal

SPECIFICATION

Manufacturer: Impact Products
Style: 1103, 1100
Material: Plastic Black, White
Note: Colors for A-03 selection should match

DESIGN CONSIDERATIONS

- Surface-mounted or partition-mounted
- Waxed paper liner bags are furnished by others



m. Sanitary Napkin Dispenser

SPECIFICATION

Manufacturer: ASI
Style: 4684-9-F
Color: Stainless Steel

DESIGN CONSIDERATIONS

- Stainless steel skirt for surface mounting
- Operation for free distribution



PUBLIC RESTROOM

A-03

RESTROOM ACCESSORIES :



f. Toilet Partitions

SPECIFICATION

Manufacturer: Scranton Products
 Style: Floor Anchored/ Overhead Braced
 Finish: Plastic Laminate, Orange Peel
 Color: White, Grey or Charcoal Grey

DESIGN CONSIDERATIONS

- Floor and Ceiling Anchored with Post-mounted Screens
- Door stoppers to be included when opening outward or inward to drywall
- Coat hook on interior side of each door
- Consider "In-Use" occupancy indicators on doors

i. Mirror

DESIGN CONSIDERATIONS

- Frameless mirror provides clean, seamless look
- When Frame is desired: Stainless-steel angle, 0.05 inch (1.3 mm) thick. One-piece frameless, channel-frame, welded-frame, tempered glass welded-frame or fixed-position tilt mirrors.
- Secured to concealed wall hanger with theft-resistant mounting
- Reflecting surface of no more than 40" AFF if above the sink; 35" if not above the sink

l. Baby Changing Station

DESIGN CONSIDERATIONS

Manufacturer: Koala Kare
 Style: KB110-SSWM; 20"h x 35.25" w x 4" d
 Color: Stainless Steel

DESIGN CONSIDERATIONS

- Preferred Product: Koala Kare KB110-SSWM, Stainless Steel, 20"h x 35.25" w x 4" d
- Recessed mounting preferred. Wall mounted model to be used only when recessed option is prohibited.
- Horizontal, wall mounted or recessed models
- Ergonomic, low maintenance and easy to disassemble

A-03

RESTROOM ACCESSORIES :



j. Hooks

DESIGN CONSIDERATIONS

Manufacturer: Hafele
 Style: Double Prong
 843.77.000 3.5" h x 3.5" w x 1.8" d
 Color: Stainless Steel

Manufacturer: Bobrick
 Style: Single Prong B-677
 Color: Stainless Steel

DESIGN CONSIDERATIONS

- Double hook with substantial top hook for heavy bags and small lower hook for lighter personal items like coats and hats
- Provide minimum of two hooks adjacent to the entry of a restroom, clear of door approach
- Mount one hook at 4'-10" on-center and one at 3'-10" for ADA
- Concealed screws to ensure concealed mounting

k. Shelves

PERFORMANCE

Manufacturer: Bobrick
 Style: B-295
 Color: Stainless Steel

Manufacturer: Bradley
 Style: 7512 12" depth
 Color: Stainless Steel

DESIGN CONSIDERATIONS

- Styles considered: shelf with 3/4" backsplash; shelf with 3/8" raised edges; folding shelves
- 18 gauge brackets welded to under side of shelf
- 5"-8" deep
- 12"-60" wide

S-01

SIGNAGE & WAYFINDING / IDENTIFICATION:



a. Room Identification / b. Building Identification / c. Space Type Identification

SPECIFICATIONS

Manufacturer: Fast Signs

DESIGN CONSIDERATIONS

- Identity signage should exist as a part of a larger, cohesive signage system, and remain consistent throughout the entire building/space
- Iconography or symbols used should exist as a cohesive system, used consistently throughout signage system. Icons may vary from the standard, but clarity should take priority in the design
- Materials and finishes chosen should relate to the use, activity or spirit of the space
- Legibility and high-contrast visibility should be prioritized when choosing typefaces and material finishes
- Graphic letters, numbers, forms, and stencil cutting shall be visually clear and crisp, without rounded positive or negative corners, distortion, bleeding, running, or other irregularities. All edges and lines shall be true, square and plumb, and curves shall be true to radius and free of cut or ragged edges
- Use concealed fasteners and anchors unless indicated to be exposed
- Cut letters, symbols and numbers from solid plate material of thickness indicated



LACTATION ROOM

DEFINITION

Embedded within Northwestern spaces, Lactation Rooms are private rooms available for use by nursing mothers and often require special access.

USER EXPERIENCE

Private and safe. Lactation rooms should shelter activity and provide a sense of security to mothers. When possible rooms should have additional acoustical separation, with low to no visibility to the interior of the room.

Personal. This space is meant to provide a sense of security by being adaptive and remaining familiar and personal.

Calm. This space should offer a restful, calming and respectful environment.

Intuitive. Lactation Rooms should be easy to locate (potentially adjacent to a women's bathroom) and should support a more mobile lifestyle through the inclusion of amenities such as access to water for clean up.

Accessible. This is a barrier-free and easily accessible connector between spaces. Lactation Rooms should be designed intuitively allowing for easy navigation.

PROGRAM REQUIREMENTS

Add: Acoustical privacy statement

- Provide a space at least 90-100 sf to accommodate two mothers if demand requires.
- Provide card reader access that communicates when the room is occupied
- Provide an occupancy indicator outside the room

CONFIGURATIONS

1 NURSING SPACE

- Lounge chair or glider without casters, with arms, and upright back support.
- When applicable, a divider curtain to allow for use by two mothers simultaneously.
- Two mobile and height adjustable tables per chair should be provided: one for pumping equipment and the second for personal devices.
- Full length mirror or large mirror above counter surface

2 SANITATION SPACE

- ADA accessible sink and counter space for easy and efficient cleanup.
- Amenities such as hand soap, disinfecting hand soap and surface cleaner.
- Paper towels and/or sanitizer wipes.
- Freestanding trash receptacles located along the wall adjacent to the latch side of the entry door

3 STORAGE

- Counter space with storage below

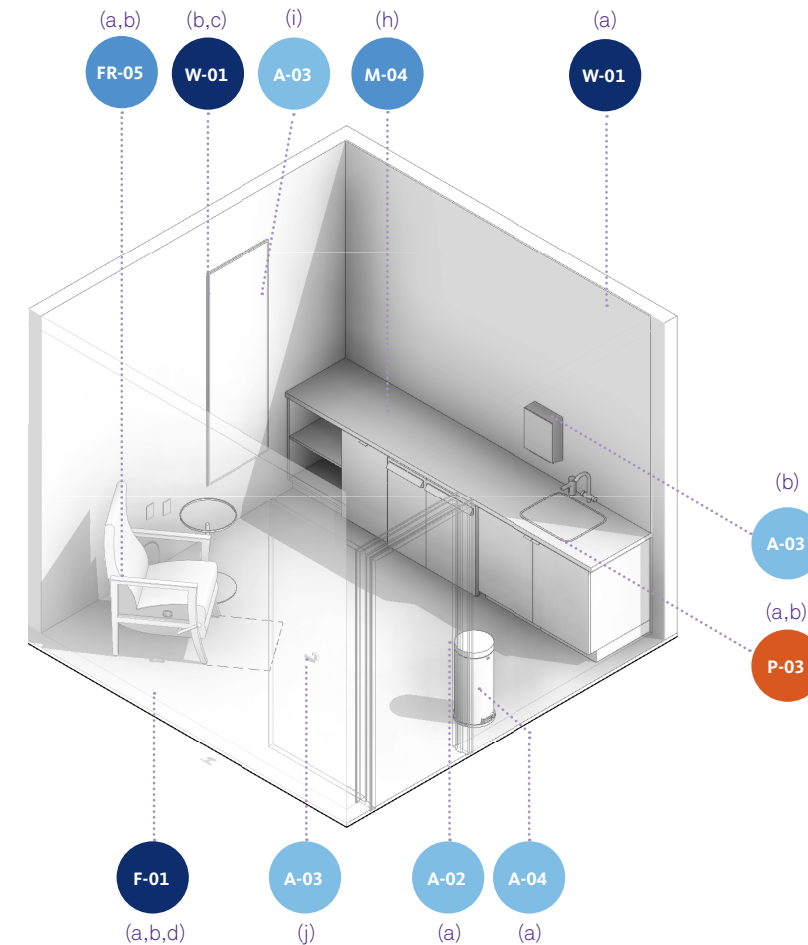
4 EQUIPMENT

- Undercounter, ADA accessible refrigerator
- Optional ice maker

5 BABY CHANGING STATION

- Extended counter surface with baby guard when adequate surface area allows; Steel wall mounted baby changing station when surface space is not available
- Diaper disposal

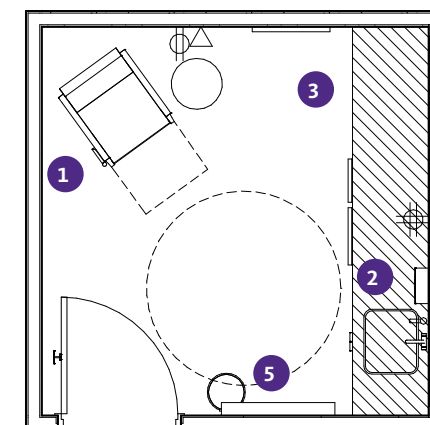
AXONOMETRIC VIEW



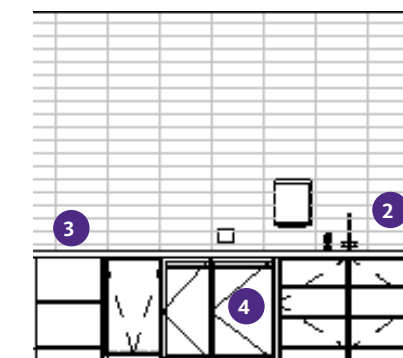
ELEMENT RELATIONSHIPS

- Lactation rooms are meant to provide natural, ergonomic solutions to mothers while nursing or pumping. Light weight, flexible furniture enables mothers to flow between tasks fluidly. Whether moving a table closer to a chair, or shifting positions while pumping, or multi-tasking, mothers should feel comfortable and enabled to adjust the room to their personal needs. Lactation rooms are meant to provide a sense of security by remaining familiar and intuitive. Furniture and accessories should offer privacy from adjacent spaces and between users if multiple users need to use the space
- Fixtures should provide adequate space for Nursing Mothers to wash utensils. Fixtures should not only meet specific requirements under Division 22 Plumbing of the Northwestern Design Guidelines and Technical Standards, but they should also be very easy to clean. Sanitation is critical for Lactation Rooms.
- This space should use dimmable lights and, if applicable, curtains or window shading, in order to control light levels. A user controlled thermostat along with controlled lighting gives mothers the ability to create a desired level of comfort and relaxation. If dimming is not available, consider bi-level switching or having overhead lighting supplemented with softer, warmer task oriented lighting. In Lactation Rooms, include a user controlled thermostat and two electrical outlets, minimum: one next to the nursing chair and table, installed at or slightly above 20" AFF, and one centered above counter surface.

FLOOR PLAN



INTERIOR ELEVATION





LACTATION ROOM

FINISH VARIATIONS

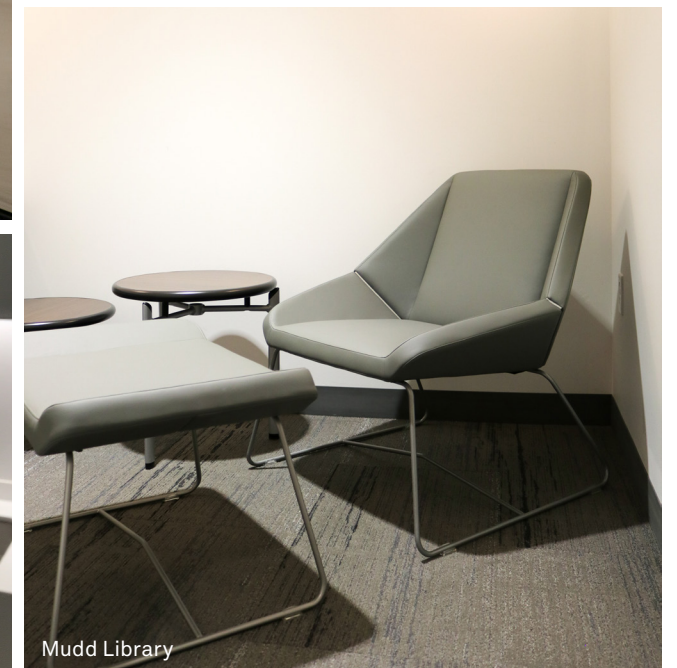
While the size and configuration of every lactation room will vary, each should obtain an overall clean and warm look and feel. As a base, select a dominant floor and wall tile that compliment the overall building aesthetic, then balance the remaining finishes with contrasting color and texture.

Lactation Rooms should be a quiet setting that uses sound dampening materials to absorb sound and reduce actual and perceived noise. This space should be easy to clean and sanitize, including upholstery that uses cleanable, wipeable fabric. This space should provide a feeling of belonging and inclusiveness using neutral, calm colored walls.

Common.



LOOK & FEEL





LACTATION ROOM

F-02

FLOORS / MEDIUM TRAFFIC:



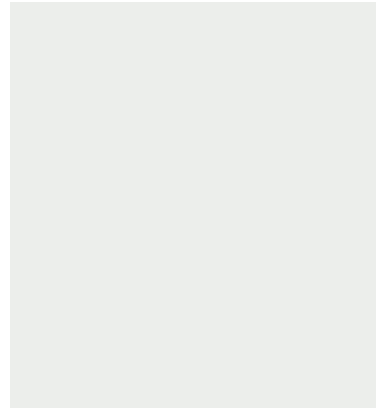
c. Carpet

DESIGN CONSIDERATIONS

- Yarn: Dupont Antron Nylon or equivalent
- Yarn color: Yarn Dyed / Solution Dyed
- Provide 28 oz. minimum yarn weight and 38 oz. minimum yarn weight
- Primary Backing: Polypropylene or equivalent
- Secondary backing: interlocked with face yarn or unitary (for glue-down installation), Polypropylene or equivalent (for tackless installation)
- Avoid soft, cushy and high pile carpet

W-01

WALL FINISHES / HIGH CONTACT:



b. Paint

SPECIFICATION

Manufacturer: Benjamin Moore
 Style: Eggshell
 Color: Decorators White CC-20

Alternate white paints: Benjamin Moore: Bone White, White Dove, China White, Linen White, Super White (for ceilings and soffits)

Alternate color paints: Benjamin Moore: Deep Mulberry 2069-10, Blackberry Wine 2069-20, Gentle Violet 2071-20, Iron Mountain 2134-30, Sweet Innocence 2125-50



c. Wallcovering

DESIGN CONSIDERATIONS

- From focal point to casual mood-setting wallcovering designs inspiring solutions to meet not only aesthetic needs, but also practical needs
- Wallcovering should add richness and depth to a space, provide acoustical properties, high performance and durability
- throw brand colors and other visual components that people identify and remember most about a brand (refer to brand specs)
- Use vinyl or textiles for high traffic areas
- Type III grade wallcovering; over 33oz. per 54" linear yard
- Meets highest resistance to abrasion, staining, tearing, crocking, colorfastness, and breaking strength criteria
- Meets blocking resistance, coating adhesion, cold cracking resistance, and heat aging resistance standards
- Backing: Acrylic Latex with Mildew Inhibitor / Fuse Bonded / Fused Polyester

FR-05

FURNITURE / LACTATION ROOM:



a. Small Table

DESIGN CONSIDERATIONS

- Clean lines, lightweight, freestanding, easy to move & pull-up to chair
- High enough to work on a laptop
- Large enough top to accommodate pumping equipment
- Height ranging from 19"-25" high



b. Glider

DESIGN CONSIDERATIONS

- Comfortable, welcoming, and evoke a sense of being cared for
- No casters, fully upholstered
- High back upright sit with arms
- Products similar in function to:
 1. Brava 862/863 Compact Comfort by Nemschoff: Higher arm & back for comfort ergonomic support
Clean lines, non-medical feel, understated
 2. Modern Amenity by OFC Brands: Variety of configurations; glider capabilities
Higher arm & back for comfort

M-04

MILLWORK:



a. Counter / Storage

DESIGN CONSIDERATIONS

- Manufacturer: Millwork
 Style: Custom
 Counter Finish: See Restroom M-05b solid surfaces
 Base Cabinet Finish PLam:
- #### DESIGN CONSIDERATIONS
- Clean lines, seamless appearance
 - Wide range of design choices and possibilities for aesthetic expression
 - Lighter color and textured plastic laminate surfaces have better scratch resistance than darker, smoother colors. Therefore, the choice of color and finish should be made to suit the particular application for which it is intended
 - Built-in undercounter refrigerator



COMMUNICATING STAIRS

USER EXPERIENCE

Timeless. This space should feel timeless and classic, portraying a level of permanency.

Familiar. This space is meant to remain reserved and conventional; this space provides a sense of security by remaining familiar.

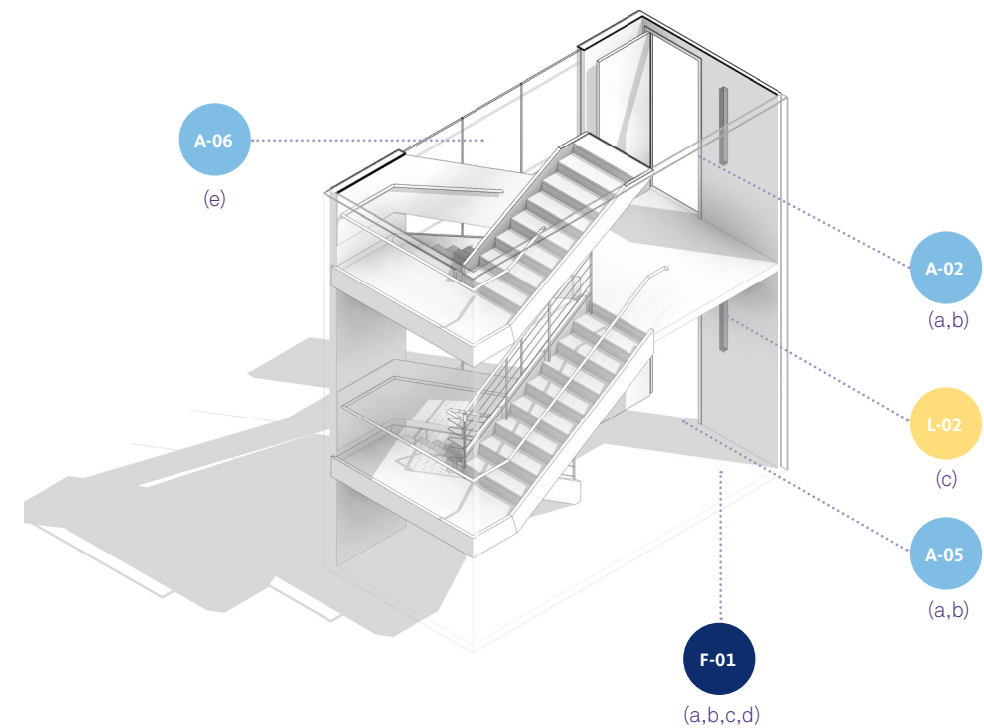
Active. Stairs in general can help user's gain mental clarity by increasing energy and serotonin in the brain. It also saves energy when used as an alternative to the elevator. Attention should be given in the design of stairs so that these transition spaces may be activated into dynamic, multi-use areas when possible. These secondary stairs can also be great spaces to get exercise or to clear the mind.

Transparent. Open, or fully glazed, staircases can be prominent connections between levels, engaging people through visual connection and enhancing the experienced volume of space.

Accessible. This is a barrier-free and easily accessible connector between spaces; navigation is intuitive. Secondary staircases are often critical for safety and egress and should always remain clear of obstruction.

Define Guardrail and handrail material? here? or in DG?

DESIGN STRATEGIES



ELEMENT RELATIONSHIPS

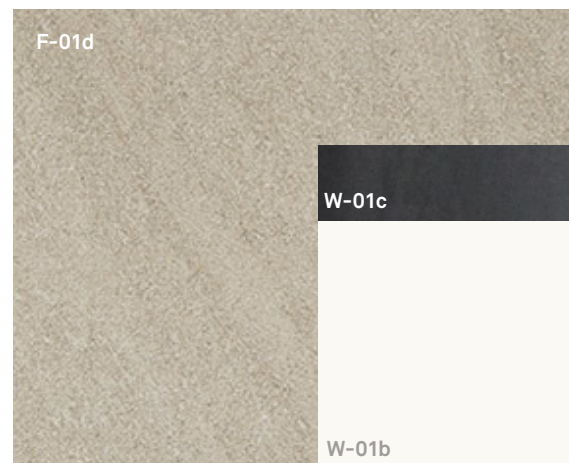
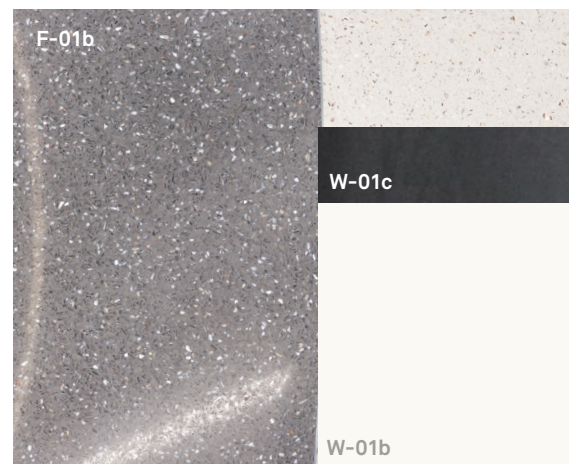
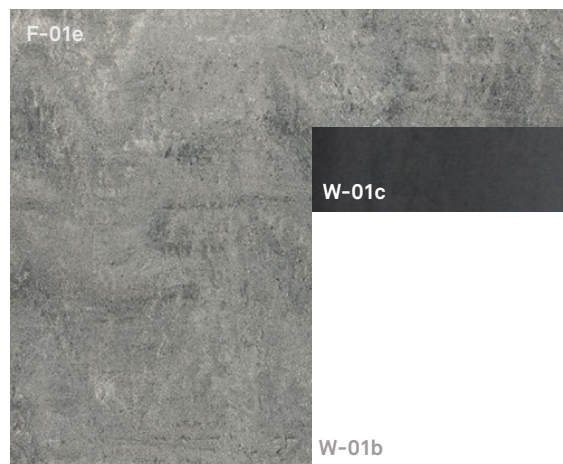
- Plan stairs to receive high traffic and feel safe for everyone that uses them at any time of day. Slip-resistant finishes are especially important at ramps and steps. Rougher finish coatings are critical when using hard surface flooring. Provide easy transitions between levels. This space should introduce more polished, higher-end finishes in prominently featured open staircases that are meant to make a statement. In secondary stairwells, more modest finishes should be used. Handrails should be stainless steel or wood. This space should be easy to clean and should be able to withstand a moderate level of upkeep and still look and feel clean.
- This space should be well-lit and feel safe for everyone that uses them at any time of day but can use accent lights to help evoke a mood and a feeling of comfort and relaxation.
- Open stadium type stairs can transform a staircase into an impromptu auditorium, an alternative study space or a small social gathering space. Utilize simple furniture and accessories to assist in creating a multi-use staircase when applicable.



COMMUNICATING STAIRS

FINISH VARIATIONS

While the size and configuration of Stairs will vary, each should obtain an overall clean and warm look and feel. As a base, select a dominant floor and wall material that compliment the overall building aesthetic, then balance the remaining finishes with contrasting color and texture.



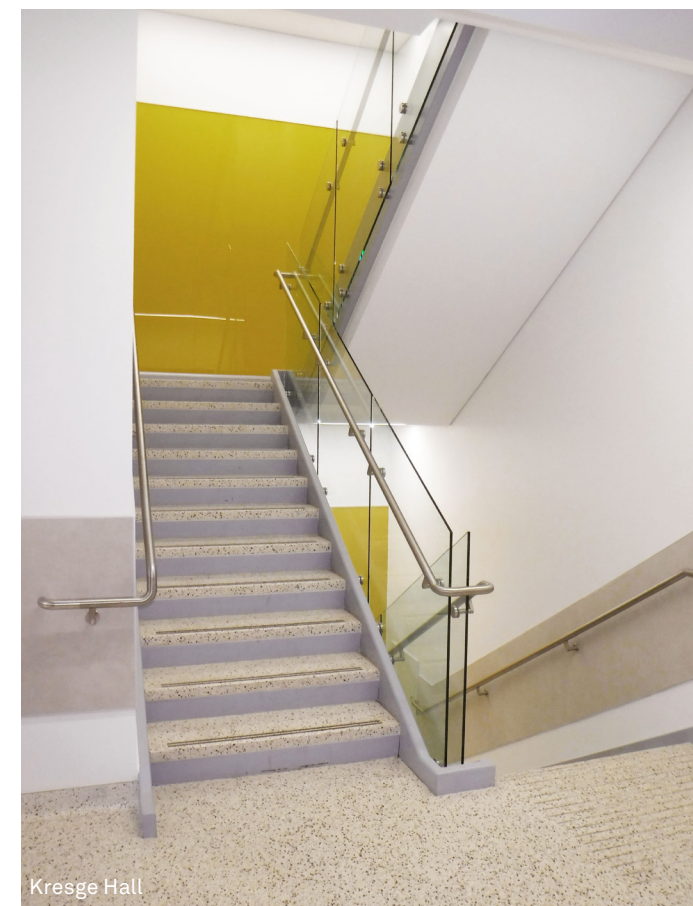
LOOK & FEEL



McCormick Center



Kresge Hall



Kresge Hall



South Campus Parking Garage



COMMUNICATING STAIRS

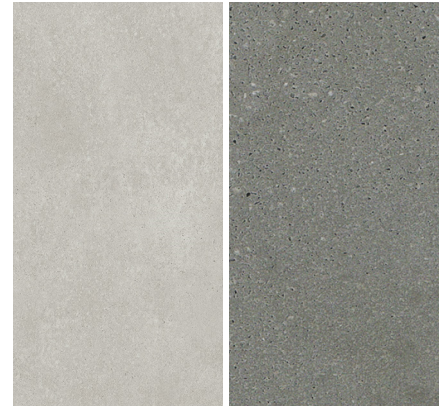
F-01

FLOORS / HIGH TRAFFIC:



Light

Dark



Light

Dark

Stone

DESIGN CONSIDERATIONS

- The stone chosen should tie in with any natural stonework existing on the inside or the outside of the building
- Because of its presence, ability to last, and sense of timelessness, it is particularly good for use in spaces that are more public-facing
- The stone used should not be flashy, but evoke a calming, natural feel representative of the Lake Michigan
- Local stones like granite are preferred
- Granite: Uniform stones, fine/medium-grained, without veining are preferred
- Granite preferred finish: polished, honed or thermal
- Slate preferred finish: honed, sand rubbed, natural cleft
- Slate stone preferred: Black, blue-black, gray, blue-gray, green, purple, mottled purple and green, red—with a fine, even grain and unfading color

Terrazzo

SPECIFICATION

Specific tones, colors and aggregates to be selected per project.

DESIGN CONSIDERATIONS

- The terrazzo chosen should tie in with any existing visual aesthetic on the inside or the outside of the building
- Terrazzo flooring designs are highly customizable to meet nearly any design need. The chip combinations and color selections are preferred to be from natural toned matrixes and should thoughtfully align with the goals of the project
- Consider an integral terrazzo base when feasible
- Local manufacturers and aggregate suppliers are preferred
- Seal surfaces according to NTMA's written recommendations

Concrete

SPECIFICATION

Specific tones, colors and local aggregates to be selected per project.

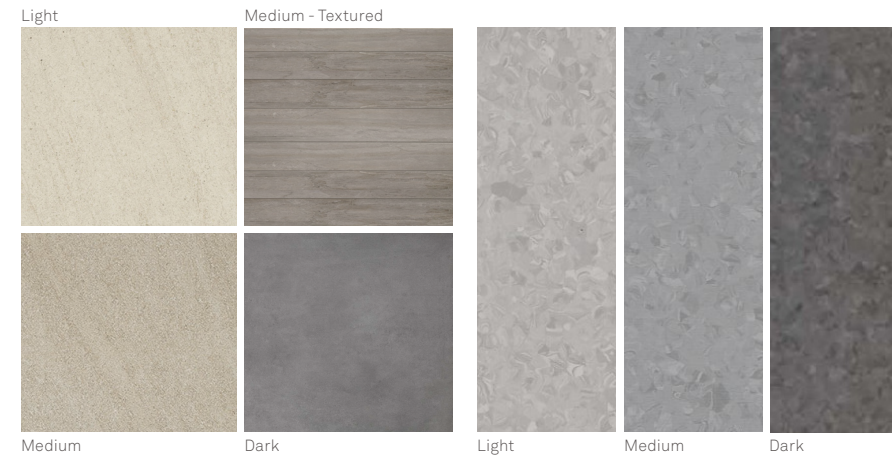
Finish: Polished and Sealed

DESIGN CONSIDERATIONS

- Concrete material can evoke a raw and industrial feel in spaces that are meant to promote creativity and making
- When coupled with a sophisticated execution of details or when used in contrast with softer materials on adjacent surfaces, concrete can offer a refined, minimal and classic look to a space
- A sealed and regularly maintained concrete floor can last indefinitely
- When sealed properly concrete is abrasion resistant to fire, water, odors, however hairline cracks, scratches, staining may occur over time, but add to the luster and character of the floor
- Epoxy or polyurethane sealer types are recommended on floors in high-traffic to provide good resistance to scuffs and staining to enhance the beauty of colored, or exposed-aggregate concrete

F-01

FLOORS / HIGH TRAFFIC:



Porcelain Tile

DESIGN CONSIDERATIONS

- There are limitless styles in porcelain tile flooring as these tiles are made to look like granite, slate, marble, wood or limestone. In comparison it is also more cost effective and low in maintenance
- Avoid light colored grouts on floors and other horizontal surfaces

Resilient Floor

DESIGN CONSIDERATIONS

- One of the prime benefits of working with resilient flooring is the unlimited possibilities of style and design
- Consider rubber stair treads with integral nosing. Preference for smooth or hammered finish.
- Apply Schluter edging at all outside

Here is hte text from the DG. Incorporate it here?

For interior and exterior public stairs, provide full length, non-slip nosings and treads. Avoid painted handrails. Use glass railings only in high profile locations and in locations approved by the NU Facilities PM.



MEDITATION ROOM

DEFINITION

Meditation Rooms are spaces designated for non-denominational prayer, meditation and spiritual expression. These can be essential spaces for students, staff and faculty while attending work, school or events.

USER EXPERIENCE

Transitional. This space should evoke feelings of belonging and inclusiveness with a thoughtful transition from one space to the next. Meditation Rooms should be able to be adapted for several types of denominations, and should support a multitude of religious groups and movements.

Private. When possible rooms should have additional acoustical separation, with low to no visibility into the interior of the room.

Inclusion. Inclusion of meditation rooms, particularly in multiple convenient locations on campus, saves users both travel time and stress.

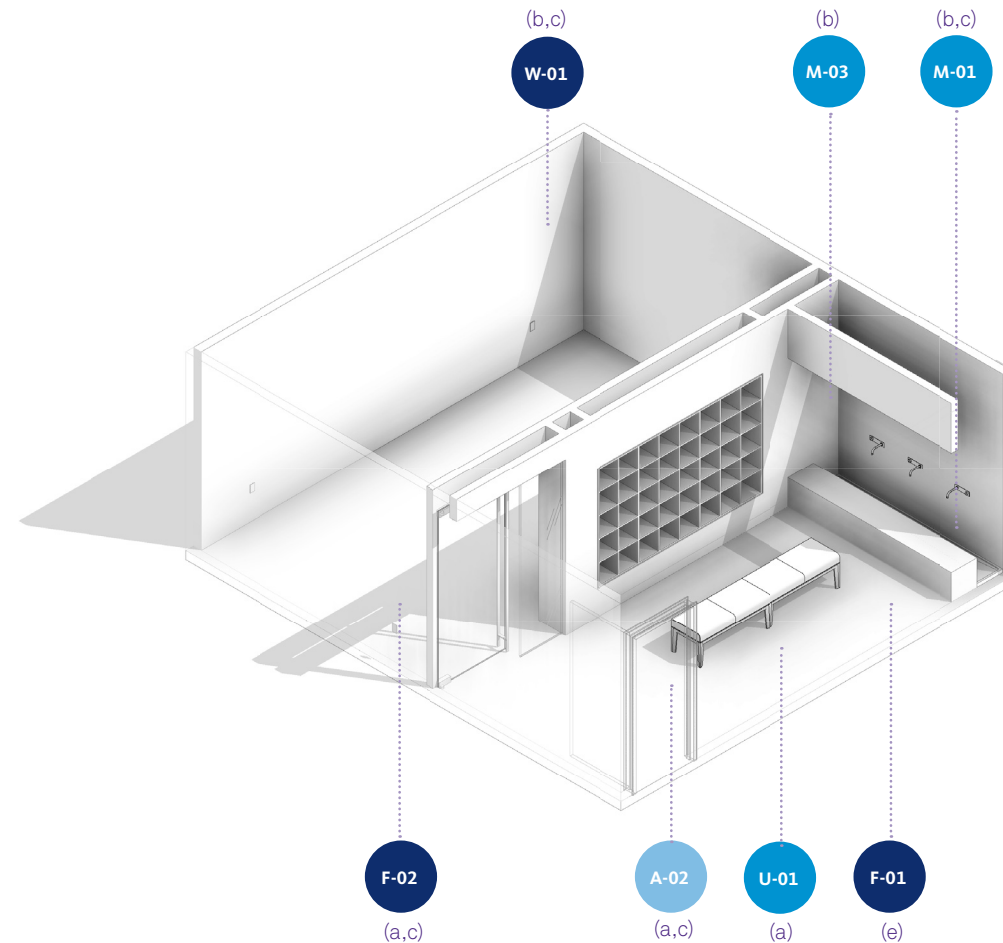
PROGRAM REQUIREMENTS

- Provide as identified in program
- Provide a minimum of 400 sq ft
- Install Room scheduling equipment for different users throughout the day
- Include white noise solution for additional acoustics as necessary

CONFIGURATIONS

- 1 INDIVIDUAL FOCUS**
 - Seating and/or mats are configured to allow for sufficient personal space and circulation
- 2 STORAGE**
 - Adequate cubby storage for shoes, rugs, kneelers
- 3 WASH**
 - Adequate space to wash hands and feet

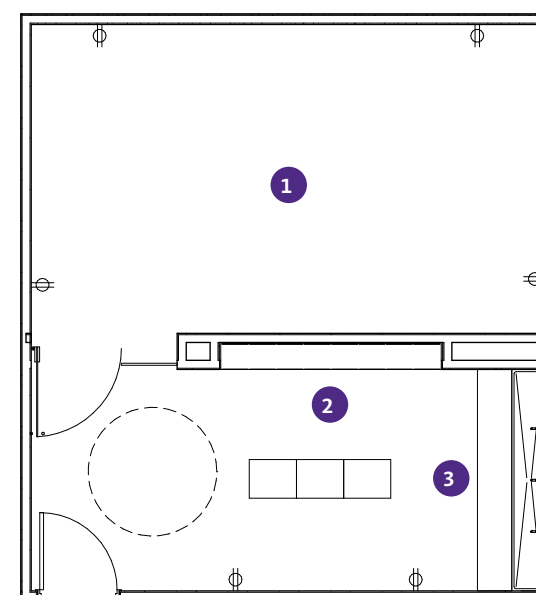
AXONOMETRIC VIEW



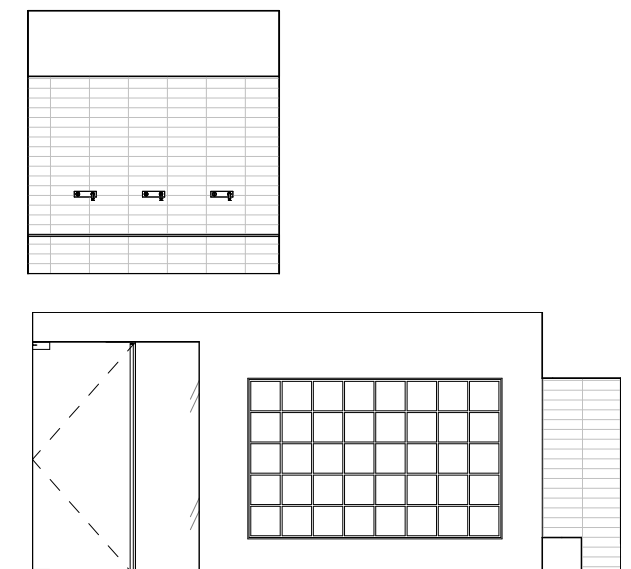
SPATIAL CONSIDERATIONS

- Meditation Rooms should feel timeless and classic, portraying a level of permanency with its finishes, while the floor space is kept transitional and easily adaptive depending on the number of users at a given moment. Materials should also feel classic and timeless while performing extremely well over time. Meditation Rooms should be a quiet setting that uses softer surfaces to absorb sound and reduce noise.
- While accessories may be minimal in Meditation Rooms, their function is important. This space is meant to provide a sense of security by remaining familiar, intuitive and natural. Furnishings should be comfortable and make user's feel at ease.
- This space should use dimmable lights and controllable window shading to help create a feeling of comfort and relaxation.
- Brand elements should tell the story of the space, and encourage individual expression through prayer, meditation or other spirituality. This essential, calming space should prioritize the following attributes:
 - Include an indication of the cardinal direction of the room

FLOOR PLAN



INTERIOR ELEVATIONS

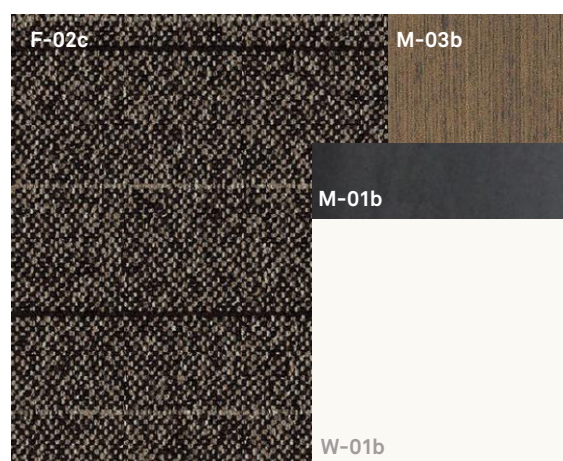
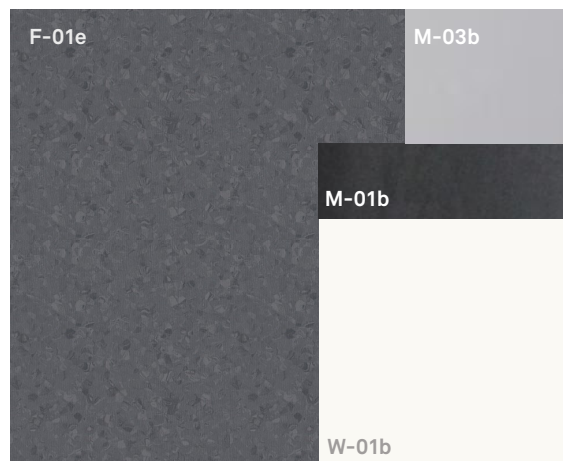
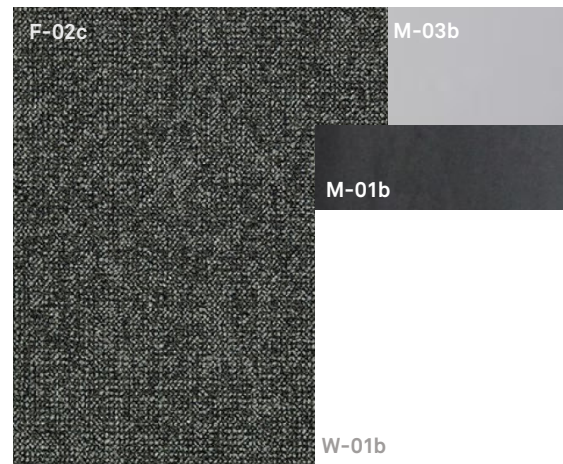




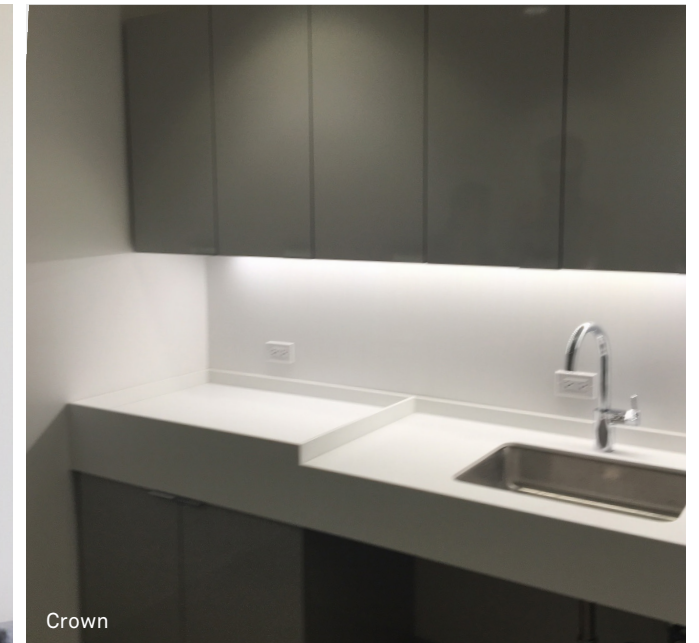
MEDITATION ROOM

FINISH VARIATIONS

While the size and configuration of meditation rooms will vary, each should obtain an overall clean and neutral look and feel. As a base, select a dominant floor and wall finish that compliments the overall building aesthetic, then balance the remaining finishes with contrasting colors.



EXAMPLE PRAYER ROOMS





MEDITATION ROOM

F-01 FLOORS / HIGH TRAFFIC:



Light Medium Dark

e. Resilient Floor

DESIGN CONSIDERATIONS

- One of the prime benefits of working with resilient flooring is the unlimited possibilities of style and design
- Minimum 4-inch height wall base is recommended
- Flash cove base preferred when exposed to extreme conditions and wet areas
- Decorative base in residential setting
- Tile provides an easier replacement
- Sheet goods provide a seamless, continuous look
- For Residential areas use vinyl composite tile (VCT) or luxury vinyl tile (LVT) with no padding (refer to Northwestern Design & Technical Standards)
- For Residential areas use rubber or painted hardwood base, semi-gloss finish (refer to Northwestern Design & Technical Standards)
- Resilient flooring – also known as ‘vinyl’ or ‘sheet vinyl’ – is extremely durable, easy to maintain, and wear-resistant

F-02 FLOORS / MEDIUM TRAFFIC:



a. Wood

DESIGN CONSIDERATIONS

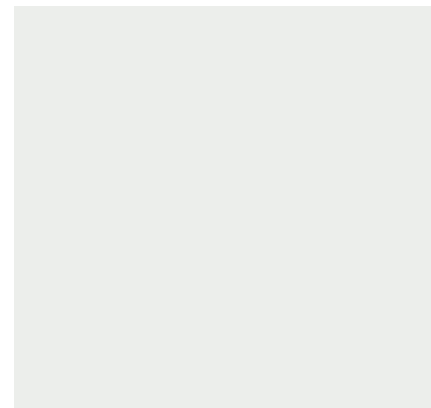
- To elicit a sense of honesty and truth, wood should remain unstained to truly evoke its natural state
- Use wood to evoke a sense of history and timelessness, and add warmth and comfort to the space
- Where possible, avoid the use of lighter blonde woods or redder cherry woods
- Use wood sparingly in Common Spaces; consider more for Residential Living spaces than Academic, Assembly, Administrative or Sports & Recreation
- Consider luxury vinyl tile (LVT)

c. Carpet

DESIGN CONSIDERATIONS

- Yarn: Dupont Antron Nylon or equivalent
- Yarn color: Yarn Dyed / Solution Dyed
- Provide 28 oz. minimum yarn weight and 38 oz. minimum yarn weight
- Primary Backing: Polypropylene or equivalent
- Secondary backing: interlocked with face yarn or unitary (for glue-down installation), Polypropylene or equivalent (for tackless installation)
- Avoid soft, cushy and high pile carpet

W-01 WALLS / HIGH CONTACT:



Light Dark

b. Paint

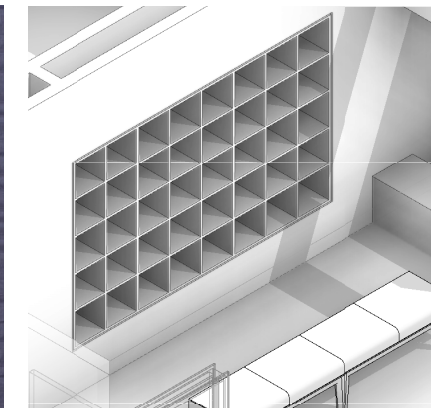
SPECIFICATION

Manufacturer: Benjamin Moore
Style: Eggshell
Color: Decorators White CC-20

DESIGN CONSIDERATIONS

- Paint can be a striking and cost effective design element
- Designs are highly customizable to meet nearly any design need and enhance the beauty of any space
- Through a powerful tool of color to entice and engage a target audience, conveying messages and meaning of brand; utilized in brand strategy / story
- Standard alternate white paints to use: Benjamin Moore: Decorators White, Bone White, White Dove, China White, Linen White
- For purple paint, specify Northwestern Purple and accompanying shades of purple within Northwestern’s range of unique color swatches. refer to Northwestern Branding Guidelines
- Benjamin Moore: Super White (for ceilings and soffits)

M-03 MILLWORK / LOUNGE:



c. Wallcovering

DESIGN CONSIDERATIONS

- From focal point to casual mood-setting wallcovering designs are highly customizable and offer inspiring solutions to meet not only aesthetic needs, but also practical needs
- Wallcovering should add richness and depth to a space, but provide acoustical properties, high performance and durability
- To conveying messages and meaning throw brand colors and other visual components that people identify and remember most about a brand (refer to brand specs)
- Type III grade wallcovering; over 33oz. per 54" linear yard
- Meets highest resistance to abrasion, staining, tearing, crocking, colorfastness, and breaking strength criteria
- Meets blocking resistance, coating adhesion, cold cracking resistance, and heat aging resistance standards

b. Storage Millwork

SPECIFICATION

Manufacturer: Millwork
Style: Custom
Counter Finish: See Restroom M-05b solid surfaces

DESIGN CONSIDERATIONS

- Easily cleanable, wipeable
- Product must have components or pieces, that can be replaced easily in the field if damaged
- Adequate storage space for personal items, including mats, shoes and kneelers



CORRIDOR

DEFINITION

Side Streets are secondary or tertiary corridors that generally connect additional spaces to the Main Street, while also providing an opportunity to express intellectual discovery and innovation.

USER EXPERIENCE

Ephemeral. Side streets should feel transitional and have a temporary ephemeral quality to it; this space is meant to be continuously changing.

Transitional. Use side streets to integrate and overlap one function or program with the next in a natural, welcoming way; this space should provide a feeling of belonging and inclusiveness with a gentle transition.

Familiar. This space is meant to be conventional in its wayfinding solutions and the basic amenities it offers; this space provides a sense of security by remaining familiar and intuitive.

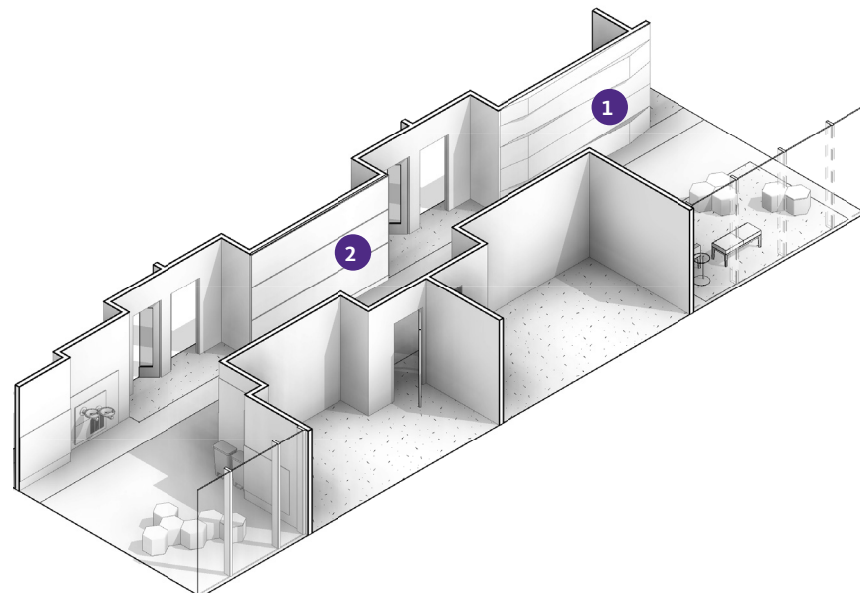
Transparent. Clearly delineate what activities are occurring in neighboring spaces; This space should have a visible connection between spaces.

Showcase & Deflect Attention. Highlight attention on work, ideas, and/or influences of adjacent programs. This space should communicate the transformative, academic, personal and multi-disciplinary achievements and processes carried out by the students and faculty of Northwestern.

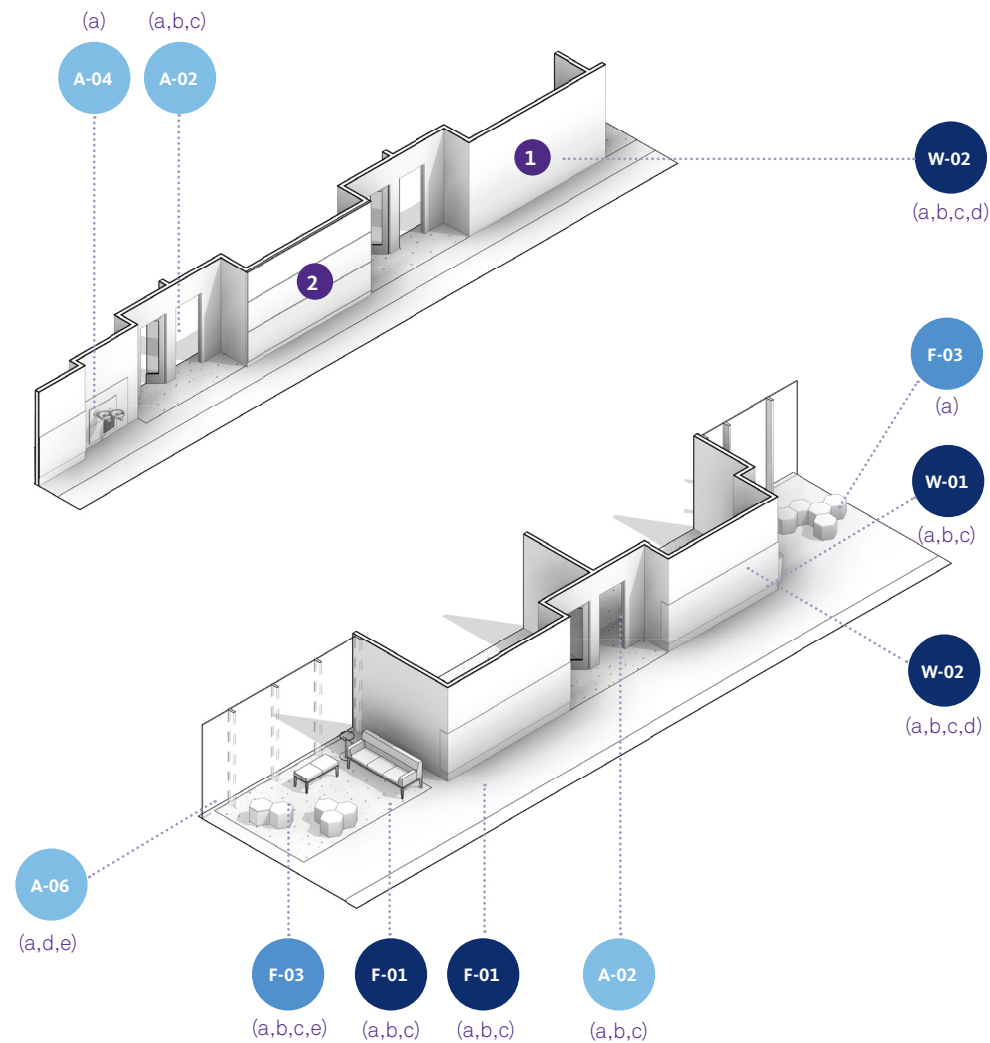
Accessible. This is a barrier-free and easily accessible connector between spaces; navigation is intuitive. Side Street Corridors that are also a mean of egress should always remain clear of obstruction.

CONFIGURATIONS

- 1 **PROMOTIONAL SPACE**
 - Surface area available for two-dimensional display and content sharing
 - Highly visible location
- 2 **INTERACTIVE VERTICAL SPACE**
 - Interactive writable or tackable space



AXONOMETRIC VIEW



SPATIAL CONSIDERATIONS

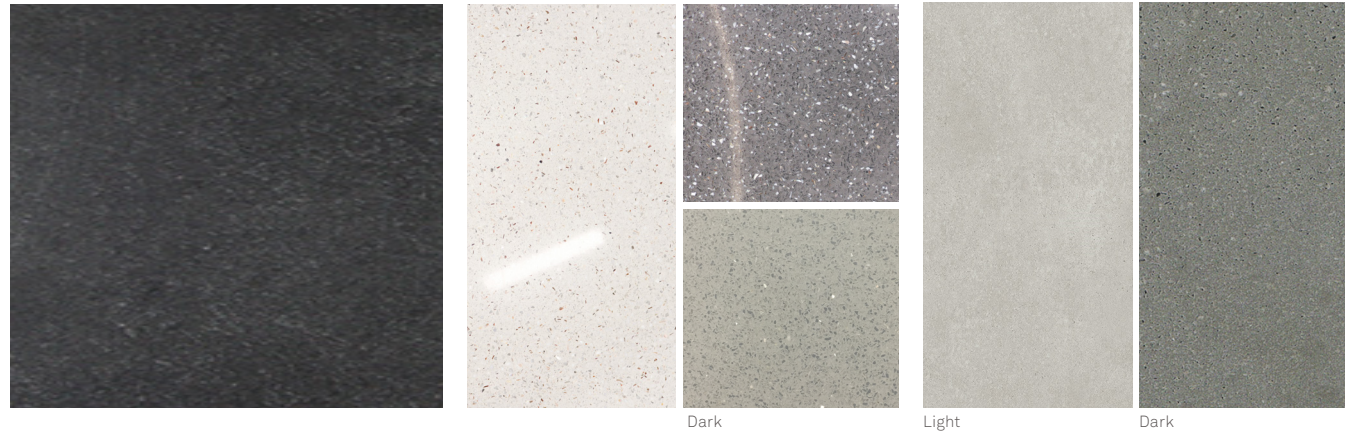
- This space is likely located closer to offices and/or classrooms, so utilize softer surfaces to absorb sound and reduce noise for a more quiet setting near entrances. Although these corridors experience lower volumes of traffic, they should be made of high traffic materials that are easy to maintain. This space should be easy to clean and should be able to withstand a moderate level of upkeep.
- Side Streets have a slower movement of people, so opportunities to exchange more in-depth information is encouraged. Activate these transitions spaces into exciting areas by fostering communication/socialization and creating visual connections with the adjacent spaces. Use the side street to develop a precise way to connect formal and informal academic communication.
- Academic side streets should be well-lit and feel safe for everyone that uses them at any time of day.
- Brand elements should highlight this circulation space first as an opportunity to celebrate intellectual vibrancy and identity at a more focused level than the main streets. As a transitional space, brand content should prioritize the following attributes:



CORRIDOR

F-01

FLOORS / HIGH TRAFFIC:



Dark

Light

Dark

a. Stone

SPECIFICATION

Manufacturer: Atlas Concorde
Style: Marval Pro 12"x24" (Light)
Color: Statuario Select, Matte Rectified

Manufacturer: Stone Source
Style: Diamante 24" x 24"
Color: Graphite (Dark)
Finish: Cleft

DESIGN CONSIDERATIONS

- The stone chosen should tie in with any natural stonework existing on the inside or the outside of the building
- Because of its presence, ability to last, and sense of timelessness, it is particularly good for use in spaces that are more public-facing
- The stone used should not be flashy, but evoke a calming, natural feel representative of the Lake Michigan
- Local stones like granite are preferred
- Granite: Uniform stones, fine/medium-grained, without veining are preferred
- Granite preferred finish: polished, honed or thermal
- Slate preferred finish: honed, sand rubbed, natural cleft
- Slate stone preferred: Black, blue-black, gray, blue-gray, green, purple, mottled purple and green, red—with a fine, even

b. Terrazzo

SPECIFICATION

Specific tones, colors and aggregates to be selected per project.

Manufacturer: Terrazzo & Marble Supply Co.
Style: Terroxy WB Urethane - Custom Blend

DESIGN CONSIDERATIONS

- The terrazzo chosen should tie in with any existing visual aesthetic on the inside or the outside of the building
- Terrazzo flooring designs are highly customizable to meet nearly any design need. The chip combinations and color selections are preferred to be from natural toned matrixes and should thoughtfully align with the goals of the project
- Consider an integral terrazzo base when feasible
- Although resistant to water, thoughtfully incorporate walk-off mats when required
- Local manufacturers and aggregate suppliers are preferred
- Seal surfaces according to NTMA's written recommendations

c. Concrete

SPECIFICATION

Specific tones, colors and local aggregates to be selected per project. For concrete tile:

Manufacturer: Concrete Collaborative
Style: Laguna, Matte
Finish: Polished and Sealed

DESIGN CONSIDERATIONS

- Concrete material can evoke a raw and industrial feel in spaces that are meant to promote creativity and making
- When coupled with a sophisticated execution of details or when used in contrast with softer materials like felt or wood on adjacent surfaces, concrete can offer a refined, minimal and classic look to a space
- A sealed and regularly maintained concrete floor can last indefinitely
- When sealed properly concrete is abrasion resistant to fire, water, odors, however hairline cracks, scratches, staining may occur over time, but add to the luster and character of the floor
- Epoxy or polyurethane sealer types are recommended on floors in high-traffic to provide good resistance to scuffs and staining to enhance the beauty of colored, stamped or exposed-aggregate concrete

F-01

FLOORS / HIGH TRAFFIC:



d. Porecelain

SPECIFICATION

Manufacturer: Virginia Tile
Style: Crossville - Basalt 12x12 CRV
Color: AV291 Silica Unpolished (Light)

Manufacturer: Virginia Tile
Style: Crossville - Basalt 12x12 CRV
Color: AV292U Caldera (Medium)

Manufacturer: Virginia Tile
Style: Caesar - Portraits 12x24 CAE
Color: POF01224R Fowey (Dark)

Manufacturer: Stone Fusion
Style: Dom Ceramiche 6x36
Color: Grey (Medium -Textured)

DESIGN CONSIDERATIONS

- There are limitless styles in porcelain tile flooring as these tiles are made to look like granite, slate, marble, wood or limestone. In comparison it is also more cost effective and low in maintenance
- Avoid light colored grouts on floors and other horizontal surfaces
- For restroom tile use MAPEI Flexcolor CQ ready-to-use grout with color-coated quartz. Colors: Pewter 02, Charcoal 47 & Iron 107
- Apply Schluter edging at all outside corners and top of tile

F-02

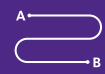
FLOORS / MEDIUM / LOW TRAFFIC:



c. Carpet

DESIGN CONSIDERATIONS

- Yarn: Dupont Antron Nylon or equivalent
- Yarn color: Yarn Dyed / Solution Dyed
- Provide 28 oz. minimum yarn weight and 38 oz. minimum yarn weight
- Primary Backing: Polypropylene or equivalent
- Secondary backing: interlocked with face yarn or unitary (for glue-down installation), Polypropylene or equivalent (for tackless installation)
- **Medium to darker-medium colors**
- Avoid soft, cushy and high pile carpet
- **Select calm pattern and color that hide wear, and seam well**



CORRIDOR

W-01

WALL FINISHES / HIGH CONTACT:



Wall Tile

DESIGN CONSIDERATIONS

- Tile products provide dual functions, they serve an aesthetic function as a design component and technical function as a building finishing material that is capable of withstanding a wide range of environmental stresses
 - Materials used should be easy to repair or replace individual tiles
- Consider large format porcelain tile in high traffic corridors

Paint

SPECIFICATION

Manufacturer: Benjamin Moore
 Style: Eggshell
 Color: Decorators White CC-20

DESIGN CONSIDERATIONS

- Paint can be a striking and cost effective design element
- Designs are highly customizable to meet nearly any design need and enhance the beauty of any space
- Through a powerful tool of color to entice and engage a target audience, conveying messages and meaning of brand; utilized in brand strategy / story
- Standard alternate white paints to use: Benjamin Moore: Decorators White, Bone White, White Dove, China White, Linen White
- For accent paint, specify Northwestern Purple and accompanying shades within Northwestern's range of unique color swatches. Refer to Northwestern Branding Guidelines
- Benjamin Moore: Super White (for ceilings and soffits)

W-02

WALL FINISHES / MEDIUM CONTACT:



Tackable Surface (optional)

SPECIFICATION

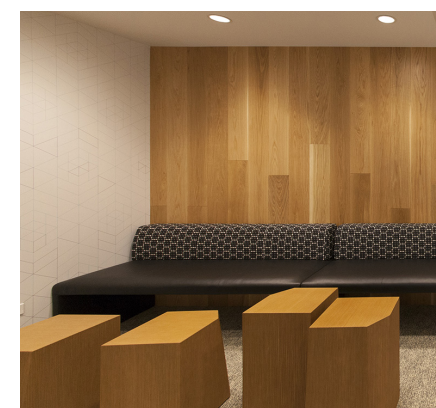
Manufacturer: Forbo

DESIGN CONSIDERATIONS

- Integrated with existing architecture; provides seamless, clean look
- Celebrates impact of various achievements, people, etc
- Matte surface preferred to reduce reflections caused by sunlight or artificial light
- Made of primary natural materials consisting of linseed oil, cork, rosin binders and dry pigments mixed and calendared onto a natural jute backing
- ¼" (6mm) gauge for tackboard
- Wood or metal framed (optional); Display case with tackable back panel cabinet

M-02

MILLWORK / LOUNGE:



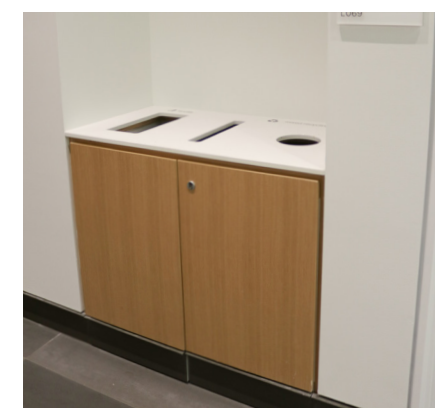
Built in Seating

DESIGN CONSIDERATIONS

Manufacturer: Custom

DESIGN CONSIDERATIONS

- Easily cleanable, wipeable
- Product must have components or pieces, that can be replaced easily in the field if damaged



Storage Millwork



SIGNAGE

S-02

SIGNAGE & WAYFINDING / REGULATORY:



Map / List / Digital Option

SPECIFICATION

Manufacturer: Fast Signs

DESIGN CONSIDERATIONS

- Regulatory signage should exist as a part of a larger, cohesive signage system, and remain consistent throughout the entire building/space
- Iconography or symbols used should exist as a cohesive system, used consistently throughout signage system. Icons may vary from the standard, but clarity should take priority in the design
- Materials and finishes chosen should relate to the use, activity or spirit of the space
- Legibility and high-contrast visibility should be prioritized when choosing typefaces and material finishes
- Graphic letters, numbers, forms, and stencil cutting shall be visually clear and crisp, without rounded positive or negative corners, distortion, bleeding, running, or other irregularities. All edges and lines shall be true, square and plumb, and curves shall be true to radius and free of cut or ragged edges
- Use concealed fasteners and anchors unless indicated to be exposed
- Cut letters, symbols and numbers from solid plate material of thickness indicated

S-01

SIGNAGE & WAYFINDING / IDENTIFICATION:



Room Identification

S-03

SIGNAGE & WAYFINDING / REGULATORY:



Room Identification/ Single User Restroom

S-04

SIGNAGE & WAYFINDING / DIRECTIONAL:



Wall Mounted

S-05

SIGNAGE & WAYFINDING / DIRECTIONAL:



Rules & Regulations

ENTRY MATS

A-05

ENTRY ACCESSORIES:



Floor Mats

DESIGN CONSIDERATIONS

- Preferred Format: Stand in place Mat or Roll goods for ease of maintenance and replacement
- Cut and frame mats unique to a room or application if standard sizes are unfavorable. Avoid recessed frame solutions
- Select darker colors that compliment the design of the room
- Custom, inlaid or woven-in graphics supported
- Designed for high traffic conditions of up to and greater than 1,000,000 people/year
- Consider solution-dyed fibers
- Consider high durability backing (such as similar to Flexion Vinyl or Slip Resistant PVC) that will not stain floor and will prevent mold, mildew, fungus and water damage
- Backing material should securely attach the mat to the floor so the edge is secure
- Low profile (1/4" max) allows foot, cart and wheelchair traffic to move easily over the mat



Walk Off Grade Carpet Tile

DESIGN CONSIDERATIONS

- Design entry level flooring & vestibules to accommodate walk-off carpet. Provide a length of the walk off carpet that satisfies LEED criteria or is a minimum of 16 linear feet, whichever is longer. Provide a width that matches the entrance door width. Select dark heathered color to hide dirt and salt



Integrated Entry Flooring (if applicable)

DESIGN CONSIDERATIONS

- Recessed entry flooring is not supported at Northwestern, however when retrofitting an existing condition cannot be avoided



BRAND COMMUNICATION

E-02

EXPERIENCE & STORYTELLING / FACULTY DISPLAYS:



a. Digital / b. Static

SPECIFICATION

Manufacturer: Custom

DESIGN CONSIDERATIONS

- Graphics should highlight achievements and unique intersections in the lives of alumni, students and faculty, telling a layered story that relates to the school
- Digital media displays should exemplify the overall Northwestern University brand, guiding principles, or tell a story about a department, historical element, or other aspect of the Northwestern experience
- Story development should consider the designation of a content manager.
- Digital: Prioritize low-profile monitors with minimal framing and a high pixel aspect ratio
- Materials and finishes chosen should relate to the use, activity or spirit of the space. Prioritize the use of a flexible system to allow for relatively simple content updates
- Provide all power supplies and wiring as required
- Product must have components or pieces, that can be replaced easily in the field if damaged
- Consider lighting / lightbox design option

E-04

EXPERIENCE & STORYTELLING / WALL GRAPHICS:



a. Supergraphics / b. Pattern / c. Illustration / d. Painted Mural / e. Typography / f. Photography

SPECIFICATION

Manufacturer: Custom

DESIGN CONSIDERATIONS

- Applications include stencil paint, high quality digitally printed wallcovering/ vinyl, or direct print on substrate; Stencils to be laser cut with crisp edges
- Level 5 wall finish required
- Wallcovering: See W-01c & W-02c specifications; Coordinate with vendor to create minimal seaming
- Photography: Use photo files 300 dp or higher
- Artwork to be output at a 6 color (CMYK + light magenta + light cyan) 600 x 1200 dpi output resolution (or better)
- Artwork to be printed using UV protected inks; Use with wide-format solvent and UV-curable printing systems
- Digital Wallcovering with KoroKlear/ VicrKlear protective coating, or similar, Type II, certified commercial grade wall covering
- Vinyl wallcovering: shall meet federal Specifications CCC-W-408A and CFFA-W-101-D Quality Standard for Vinyl Coated Fabric Wall covering
- The vinyl wallcovering and adhesives shall contain mildew inhibitors

E-06

EXPERIENCE & STORYTELLING / MODULAR SYSTEMS:



a. Gallery Walls / b. Interactive Surfaces

SPECIFICATION

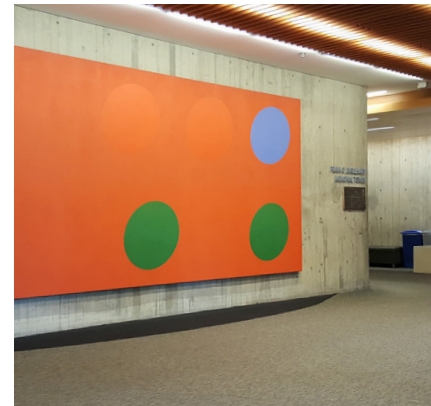
Manufacturer: Project Specific

DESIGN CONSIDERATIONS

- Installations should exemplify the overall Northwestern University brand, guiding principles, or tell a story about a department, historical element, or other aspect of the Northwestern experience
- Prioritize secondary circulation zones for placement, and gathering places for primarily student and staff audiences
- Consider the need for flexibility and staffing resources when designing content for gallery walls
- Consider the life-span of content when designing. If content is meant to be permanent, prioritize high finishes and classic, timeless designs over flexible design styles for less permanent solutions
- Content should work together to tell a cohesive story
- Easily cleanable and wipeable materials
- Provide all power supplies and wiring as required
- Consider integrated lighting design approach

E-07

EXPERIENCE & STORYTELLING / ARTWORK:



a. Student Artwork / b. Commissioned Artwork / c. Donor Portraits

SPECIFICATION

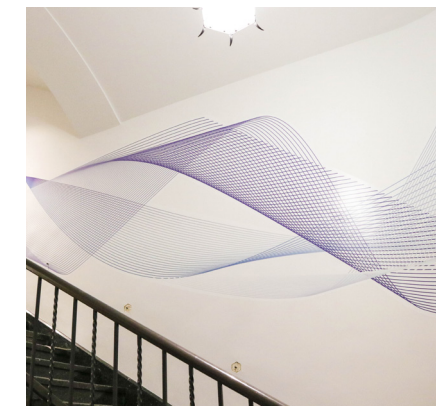
Manufacturer: Custom

DESIGN CONSIDERATIONS

- Artwork should exemplify the overall Northwestern University brand, guiding principles, or tell a story about a department, historical element, or other aspect of the Northwestern experience
- Artwork throughout a space should work together to tell a cohesive story
- Inclusion should be considered in artwork and imagery selection.
- Student Artwork: Prioritize placement in circulation zones where the primary audience are students and staff
- Commissioned Artwork: Prioritize placement in major circulation zones with an exterior facing audience such as parents and community members. Artists chosen should have relevant connections to the University or surrounding community
- Donor Portraits: Donor portraits should be displayed when requested by the donor, and integrated appropriately into the surrounding design scheme, typically located in lobbies
- Artwork should include a plaque or tag placed nearby for recognition of the artist, medium, year and other significant information

E-04

EXPERIENCE & STORYTELLING / WALL GRAPHICS:



a. Super Graphics / b. Pattern / c. Illustration / d. Painted Mural / e. Typography / f. Photography

SPECIFICATION

Manufacturer: Custom

DESIGN CONSIDERATIONS

- Direct Substrate Printers shall provide high-quality, full color images directly onto a variety of flat substrates. Substrate examples include (but are not limited to) Acrylic, PVC, Polycarbonate, Aluminum, Stainless Steel, Wood, etc
- Printer to have C, M, Y, K, CL and W print heads (minimum) with UV curable inks and UV LED Lamp to cure ink while printing. Minimum reproduction print quality up to 1440 dpi
- Flatbed printing size for substrates up to (and including) 48" x 96"
- Printer to accept substrates up to 2" thick
- Printer to have white ink capabilities to create under-coat/primer on dark substrates and opaque under-coat/primer on clear substrates
- Clear ink to provide protective over-coating and variable sheen finishes including full-surface glossy printing
- Printer to have mask pattern capability to effectively curb visible banding
- Printer to have variable drop function to produce smooth and natural gradations