Contents

03 Objectives
05 Key Stakeholders
06 Development Of Criteria
08 Issues, Challenges & Mistakes to be avoided
10 Campus Map Of Key Buildings
12 Design Criteria Matrix
14 Case Study Example 1: Edward St. John Learning and Teaching Center
16 Case Study Example 2: Plant Sciences
18 Typical Details
Typical Section At Building Entry
Typical Raised Panel Door – Elevations
Typical Raised Panel Door – Enlarged Plans
Elevation Showing Typical Door Hardware – Double Door
Elevation Showing Typical Door Hardware – Single Door
Building Color Palette
25 Academic/Administrative Buildings
Matrix – Traditional Buildings
A1-T-ADA  Academic Traditional Primary ADA Entry
A1-T-TA  Academic Traditional Primary Entry
A1-T-TB  Academic Traditional Primary Entry
A2-T  Academic Traditional Secondary Entry
A3-TA  Academic Traditional Tertiary Single Entry
A3-TB  Academic Traditional Service Entry
Matrix - Traditional | Mid Century Modern Buildings
A1-M  Academic Mid-Century Primary Entry
A2-M  Academic Mid-Century Secondary Entry
A3-M  Academic Contemporary Tertiary Entry
Matrix - Traditional | Mid Century Modern | Contemporary Buildings
A1-C  Academic Contemporary Primary Entry
A2-C-ADA  Academic Contemporary ADA Entry
A3-C  Academic Contemporary Tertiary Entry
55 Assembly/Events Buildings
Matrix - Traditional Buildings
E1-T  Assembly & Events Traditional Primary Entry
E1-T-ADA  Assembly & Events Traditional Primary Entry
E2-T  Assembly & Events Traditional Secondary Entry
E3-T  Assembly & Events Traditional Tertiary Entry
Matrix - All
E1-M  Assembly & Events Mid-Cent. Modern Primary Entry
E2-M  Assembly & Events Mid-Cent. Modern Secondary Entry
E3-M  Assembly & Events Mid-Cent. Modern Tertiary Entry
73 Residential Buildings
Matrix - Traditional Residential Buildings
R1-T  Residential Traditional Primary Entry
R1-T-ADA  Residential Traditional ADA Entry
R1-T-Greek  Residential Traditional Primary Greek House Entry
R2-T  Residential Traditional Secondary Entry
R2-T-Greek  Residential Traditional Secondary Entry
R3-T  Residential Traditional Tertiary Entry
R3-T-Greek  Residential Traditional Tertiary Entry
Matrix - All
R1-M-ADA  Residential Mid-Century Primary ADA Entry
R2-M  Residential Mid-Century Secondary Entry
R2a-M  Residential Mid-Century Secondary Entry 2
R3-M  Residential Mid-Century Tertiary Entry
98 Flowchart - Procedure For Exterior Doors
Objectives

“The preparation of Design Criteria for the variety of Entrance Doors, both replacement and new doors for selected buildings at the University” that will:

1. Serve to develop a prototypical range of solutions that will streamline the process and create consistency for entry door replacement by Facilities Management and the Department of Residential Facilities, including consultants’ design of new entrance doors for new facilities
2. Provide new guidelines for the Design Criteria and Facilities Standards (DCFS)
Key Stakeholders

Facilities Management Departments

Department of Planning & Construction
William Olen – Executive Director
Thomas Bunting – Associate Director, Design Services
Jocelyn Joiner Fleming – Assistant Director, Design Technical Services
Mark Green – Architect, Technical Support

Facilities Planning
Brenda Testa – Former Director
William Mallari – Interim Director, Project Manager
Daniel Hayes – Planner, Campus Development

Department of Operations & Maintenance
Jack Baker – Executive Director
Rich Nickels – Assistant Director, Facilities Maintenance Programs
Rich Wilson – Program Manager, Exteriors

Department of Public Safety
Mark McGuigan – Coordinator, Building Security Systems
Marco Baker – Electronic Technician, Building Security Systems

Department of Residential Facilities
Jon Dooley – Director
Gregg Feige – Assistant Director
John Kim-Norris – Residential Facilities
Tim Wheeler, Senior Manager, Maintenance
Patrick Rhodes, Assistant to the Assistant Director, Residential Facilities

Ayers Saint Gross
Rosalie Tilghman – Project Architect
Robert Claiborne – Architect & Historic Consultant
David Moore – Allegion PLC, Hardware Consultant
Randy Jump – Allegion PLC, Hardware Consultant
Development Of Criteria

Development and Consensus Building
The need for a comprehensive study of existing conditions on campus was identified by the Department of Design and Construction in 2014. Ayers Saint Gross was engaged to survey conditions, interview stakeholders and provide a set of recommendations based on the findings of this study. The study was conducted in two stages. The following flowchart highlights the steps taken and groups consulted in creating this set of documents. A separate flowchart illustrating the process for replacement of existing doors on campus is found at the conclusion of this report. An impetus for this study is the need to identify entrances that are required to be made ADA accessible. The Americans with Disabilities Act was signed into law in 1990; thus it can be assumed entrances of all buildings constructed after that date are found to be in compliance with ADA guidelines. It is in the classification of those entrances constructed before 1990 where the ADA designation is required.

STAGE I

STAKEHOLDERS
Issues & Problems
Lessons Learned
Suggested Examples

PROJECT MANAGER

ARCHITECT
Field Verification
Draft Examples

ALRB April 10,2015
Include Stakeholder Review & Comment

ARCHITECT
Finalize List of Examples
Add Contextual Information

PROJECT MANAGER

ALRB August 28,2015
Issues, Challenges and Mistakes to Avoid

Each campus building entrance presents a unique situation with a matrix of criteria and issues to address and reconcile:

- Building site, entrance location and period of development
- Entrance Type: Primary / ADA / Secondary / Tertiary
- Door Types and Materials
- Design, Operational and Maintenance Criteria

Examples Include:

**036 Plant Sciences**
- Finish deterioration, staining, delamination
- Review auto-operator leaf designation, breaks frequently
- No available warranty
- Replacement doors not readily available

**415 Physical Sciences**
- Door swing sticks to adjacent entry soffit
- Separation of door joints
- Atypical door height & weight stresses hardware
**039 Van Munching**
- Closers not functioning
- Doors will not secure to removable mullions
- Water infiltration at threshold

**231 Microbiology**
- Mixed materials
- Undersized to entryway
- Slab displacement
- Not meeting ADA requirement

**091 Chemistry**
- Fiberglass Reinforced Plastic (FRP) not preferred
- Inconsistent design
Campus Map

Building Entrances Addressed in this Study:

003  Service Building
004  Ritchie Coliseum
007  Pocomoke Bldg.
008  Annapolis Hall
009  Memorial Chapel
014  Harford Hall
015  Calvert Hall
016  Baltimore Hall
017  Cecil Hall
019  Satellite Central Utilities Bldg
021  Prince George’s Hall
022  Kent Hall
023  Washington Hall
028  Howard Hall
029  Frederick Hall
030  Talbot Hall
031  Garrett Hall
032  Montgomery Hall
034  Jimenez
035  McKeldin Library
036  Plant Sciences
037  Shoemaker Bldg.
038  LeFrak
039  Van Munching
040  Morrill
042  Tydings
043  Taliaferro
044  Skinner
046  Marie Mount
047  Woods
048  F. S. Key
051  Worcester Hall
052  Clarence M. Mitchell, Jr. Bldg.
054  Preinkert
059  Chincoteague
060  Anne Arundel Hall
061  Queen Anne’s Hall
062  St. Mary’s Hall
063  Somerset Hall
064  Dorchester Hall
071  Lee
073  H.J. Patterson
076  Symons Hall
077  Main Administration
078  Reckord Armory
079  Visitor Center
080  Rosssborough Inn
081  Wind Tunnel
082  Toll Physics
083  J.M Patterson
084  Math
088  Glenn L. Martin
089  Engineering Laboratory Bldg
090  Chem. & Nuclear Engineering
091  Chemistry
092  Potomac
096  Cambridge Hall
098  Centerville
099  Bel Air Hall
115  A. V. Williams
121  Chestertown Hall
122  Cumberland Hall
126-139  Fraternity Row
140  Health Center
141  Tawes
142  Animal Science
143  Benjamin
144  Biology-Psychology
146  Parren J.Mitchell Art-Sociology
147  Hornbake Library
162  Cole
163  Stamp
223  Energy Research Facility
224  Comp. & Space Science
225  Kim Engineering
227  Jull
231  Microbiology
232  Nyumburu Cultural Center
237  Geology
252  Denton Hall
253  Easton Hall
254  Elkton Hall
256  Elicott Hall
258  Hagerstown Hall
259  La Plata Hall
405  Satellite Central Utilities Bldg
406  CSIC
415  Physical Sciences

LEGEND

- PRIORITY ZONE
- ADDRESS ALL BUILDING ENTRANCES WITHIN PRIORITY ZONE
- ADDRESS ALL BUILDING ENTRANCES
- SPECIAL CONSIDERATION TO DOORS FACING PRIMARY PATHWAY
- PRIMARY PATHWAY
Design Criteria Matrix

Building Types & Criteria

Separate matrices were created to classify entrance types at the intersection of different criteria such as entrance priority and period of development. A broad spectrum of criteria, as well as feedback from ALRB and stakeholders, was considered before arriving at the recommendations in this report. A breakdown of criteria is listed below:

- Building Site & Entrance Location: site specific conditions
- Period of Development: Traditional, Mid-Century Modern; Contemporary
- Entrance & Door Type: Primary / Secondary / Tertiary
- Design, Operational and Maintenance Criteria:
  - Aesthetics (original design and historic preservation considerations)
  - Entry Systems, Door Types and Function
  - Materials and Hardware (includes transoms, sidelights, louvers)
  - Life Safety and Security
  - Universal Access and ADA
  - Maintenance; Repair and replacement
  - Sustainability Considerations
  - Costs: initial; maintenance - repair and replacement
Entrance Type: Primary
Traditional
HJ Patterson 073

Entrance Type: Primary - ADA
Traditional
Symons Hall 076

Entrance Type: Primary
Mid-Century Modern / Contemporary
Parren J. Mitchell 146

Entrance Type: Secondary
Traditional

Entrance Type: Secondary
Mid-Century Modern / Contemporary
Hornbake Library 147

Entrance Type: Service / Mech.
Traditional
Toll Physics 082

Entrance Type: Tertiary
Mid-Century Modern / Contemporary
Van Munching 039
Case Example I: Edward St. John Learning and Teaching Center (Building 226)
Campus Core — Academic Use — Traditional

INT. STORM WINDOW AT TRANSOM
EXISTING TRANSOM SASH AND ARCHITECTURAL TRIM
REFURBISH EXISTING RAISED PANEL WOOD DOORS

INSUL. GLASS W/ SIM. DIVIDED LITES AND INTERNAL GRID DIVIDERS
WOOD DOOR W/ FIBERGLASS DOOR IN HM FRAME W/ WOOD TRIM

EXISTING WOOD CASING AND TRIM RESTORED, INT STORM WINDOW AT TRANSOM
INSUL. GLASS W/ SIM. DIVIDED LITES AND INTERNAL GRID DIVIDERS
WOOD DOOR W/ RAISED PANEL (MODIFY EXISTING FRAME AND STOP FOR INSWINGING DOOR)

INSUL. GLASS W/ SIM. DIVIDED LITES AND INTERNAL GRID DIVIDERS
WOOD DOOR W/ RAISED PANEL (MODIFY EXISTING FRAME AND STOP FOR INSWINGING DOOR)
Primary
- Secure electronic locking
- Hardware compatibility
- Desire to include glass lites & historic character

Secondary to be ADA / Primary
- Existing fire-rated stair egress
- ADA accessibility required

Secondary
- Wood replacement door specified for in-swinging doors
- Transom muntin patterns difficult to replicate in door lites
Case Example II: Plant Sciences (Building 036)

NE District — Academic Use — Contemporary

Primary
- Delamination of white oak
- Finish deterioration, difficult to refinish
- Staining from closure oil
- Replacement doors difficult to source

ADA Accessible Entry
- Weather-stripping is problematic
- Review auto-operator leaf designation on double doors, breaks frequently
- No available warranty
Typical Details: Typical Section @ Building Entry

The details on the following pages are intended as a guiding reference to designers, especially in instances requiring replacement of doors in the historic core of the University of Maryland College Park campus.

Enlarged elevations with dimensions for raised panel door components are provided. Plan details for a corresponding wood raised panel door with glazed sidelights are also included.
Typical Details: Typical Raised Panel Door

*FOR STOREFRONT DOORS REFER TO DCFS

POSSIBLE DECORATIVE MUNTINS/PATTERN AS APPROPRIATE PER EXISTING CONDITION OR PER DESIGN

TRANSOM PROPORTIONS TO ALIGN WITH DOOR EXTENTS WHERE APPLICABLE

PLAN DETAIL

POSSIBLE DECORATIVE MUNTINS/PATTERN AS APPROPRIATE PER EXISTING CONDITION OR PER DESIGN

TRANSOM PROPORTIONS TO ALIGN WITH DOOR EXTENTS WHERE APPLICABLE

SIDELITE PANELS TO MATCH DOOR PANEL FABRICATION AND DIMENSIONS WHERE APPLICABLE

* DIMENSIONS SHOWN ARE DERIVED FROM WOOD DOOR MANUFACTURER RECOMMENDATIONS FOR INSTITUTIONAL APPLICATIONS

TOP RAIL TO BE 6" MIN. TO RECEIVE CLOSER

LOCK RAIL TO BE 6" MIN. TO RECEIVE EXIT DEVICE AS REQ'D

BOTTOM RAIL TO BE 10" MIN. PER ADA TO RECEIVE KICKPLATE AS REQ'D

TYPICAL RAISED PANEL DOOR ELEVATIONS
DRAWINGS NOT TO SCALE UNLESS NOTED OTHERWISE
TYPICAL DETAILS

CONSTRUCTION VARIES

TYPICAL SYSTEM DEPTH VARIES

SEE ENLARGED DETAIL (THIS PAGE)

INTERIOR

EXTERIOR

PLAN - TYPICAL PANEL DOOR & SIDELITES

APPLIED WOOD MUNTIN

INTEGRAL SPACER

DOUBLE LAYER GLAZING

GLAZED SIDELITE

RECESSED RACEWAY FOR ELEC.

WOOD TRIM

DOOR PLAN DETAIL

TYPICAL SIDELITE CONSTRUCTION

RECESSED RACEWAY FOR ELEC.

ALTERNATIVE DOOR JAMB @ SIDELITES

MUNTIN DETAIL @ GLAZED DOOR LITES

TYPICAL SIDELITE CONSTRUCTION

CONSTRUCTION VARIES

TYPICAL SYSTEM DEPTH VARIES
Typical Details: Typical Door Hardware

**EXTERIOR**

- Door pull and plate - active leaf only
- Continuous hinges, typ
- Metal kickplate at bottom rail

**INTERIOR**

- Exit signage located per applicable code
- Closer (include auto-operator where req’d for accessibility)

**DOUBLE DOOR ELEVATION INCLUDING HARDWARE**

* Generic doors shown - applicable for building entrance types governed by DCFS
* Refer to color palette legend for hardware finish material
* Refer to DCFS hardware section for additional hardware standards
  - i.e. Threshold
  - Weatherstripping
  - Locksets
  - Hinges
  - Device trims
  - Security elements
TYPICAL DETAILS

DOOR PULL - SEE DCFS HARDWARE STANDARDS

CONTINUOUS HINGES

METAL KICKPLATE AT BOTTOM RAIL

EXIT SIGNAGE LOCATED PER APPLICABLE CODE

CLOSER (INCLUDE AUTO-OPERATOR WHERE REQ’D FOR ACCESSIBILITY)

CONTINUOUS HINGES

* GENERIC DOORS SHOWN - APPLICABLE FOR BUILDING ENTRANCE TYPES GOVERNED BY DCFS
* REFER TO COLOR PALETTE LEGEND FOR HARDWARE FINISH MATERIAL
* REFER TO DCFS HARDWARE SECTION FOR ADDITIONAL HARDWARE STANDARDS i.e. THRESHOLD, WEATHERSTRIPPING, LOCKSETS, HINGES, DEVICE TRIMS, SECURITY ELEMENTS

SINGLE DOOR ELEVATION INCLUDING HARDWARE
## Typical Details: Building Color Palette

<table>
<thead>
<tr>
<th>LEGEND</th>
<th>ERA</th>
<th>PRIMARY</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Paint - Sherwin Williams SW7005 Pure White" /></td>
<td>TRADITIONAL</td>
<td><img src="image2" alt="Door and Sidelites" /></td>
</tr>
<tr>
<td><img src="image3" alt="Metal/FRP - Sherwin Williams SW7005 Pure White" /></td>
<td></td>
<td><img src="image4" alt="Frame" /></td>
</tr>
<tr>
<td><img src="image5" alt="Paint - Grey to Match Owner's Sample" /></td>
<td></td>
<td><img src="image6" alt="Door Pulls / Exit Device" /></td>
</tr>
<tr>
<td><img src="image7" alt="Metal Finish - Kawneer #14 Clear" /></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image8" alt="Hardware - Ives - Satin Stainless Steel" /></td>
<td>MID-CENTURY</td>
<td><img src="image9" alt="Door and Sidelites" /></td>
</tr>
<tr>
<td><img src="image10" alt="Metal Finish - Kawneer #28 Medium Bronze" /></td>
<td></td>
<td><img src="image11" alt="Frame" /></td>
</tr>
<tr>
<td><img src="image12" alt="Hardware - Allegion - Dark Bronze" /></td>
<td></td>
<td><img src="image13" alt="Door Pulls / Exit Device" /></td>
</tr>
<tr>
<td><img src="image14" alt="Paint - Grey to Match Owner's Sample" /></td>
<td>MID-CENTURY MODERN / CONTEMPORARY</td>
<td></td>
</tr>
<tr>
<td><img src="image15" alt="Metal Finish - Kawneer #14 Clear" /></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image16" alt="Hardware - Ives - Satin Stainless Steel" /></td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image17" alt="Hardware - Allegion - Dark Bronze" /></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

University of Maryland | Entrance Door Criteria
## TYPICAL DETAILS

<table>
<thead>
<tr>
<th>SECONDARY</th>
<th>TERTIARY</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Secondary Door and Sidelites" /></td>
<td><img src="image2.png" alt="Tertiary Door and Sidelites" /></td>
</tr>
<tr>
<td><img src="image3.png" alt="Secondary Frame" /></td>
<td><img src="image4.png" alt="Tertiary Frame" /></td>
</tr>
<tr>
<td><img src="image5.png" alt="Secondary Door Pulls/Exit Device" /></td>
<td><img src="image6.png" alt="Tertiary Door Pulls/Exit Device" /></td>
</tr>
<tr>
<td><img src="image7.png" alt="Secondary Door and Sidelites" /></td>
<td><img src="image8.png" alt="Tertiary Door and Sidelites" /></td>
</tr>
<tr>
<td><img src="image9.png" alt="Secondary Frame" /></td>
<td><img src="image10.png" alt="Tertiary Frame" /></td>
</tr>
<tr>
<td><img src="image11.png" alt="Secondary Door Pulls/Exit Device" /></td>
<td><img src="image12.png" alt="Tertiary Door Pulls/Exit Device" /></td>
</tr>
<tr>
<td><img src="image13.png" alt="Secondary Door and Sidelites" /></td>
<td><img src="image14.png" alt="Tertiary Door and Sidelites" /></td>
</tr>
<tr>
<td><img src="image15.png" alt="Secondary Frame" /></td>
<td><img src="image16.png" alt="Tertiary Frame" /></td>
</tr>
<tr>
<td><img src="image17.png" alt="Secondary Door Pulls/Exit Device" /></td>
<td><img src="image18.png" alt="Tertiary Door Pulls/Exit Device" /></td>
</tr>
</tbody>
</table>

---

*University of Maryland | Entrance Door Criteria 23*
## Academic / Administrative Buildings

### Door Recommendation

<table>
<thead>
<tr>
<th>PRIMARY ENTRY</th>
<th>SECONDARY ENTRY</th>
<th>TERTIARY ENTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1-T</td>
<td>A2-T</td>
<td>A3-TA</td>
</tr>
<tr>
<td>ADA</td>
<td></td>
<td>A3-TB</td>
</tr>
<tr>
<td>A1-T-TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1-TB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TRADITIONAL BUILDING**

**NOTE:** Any ADA-accessible entrance, regardless of location (i.e. front, rear, side, etc.) will be considered a “Primary Entrance” for mobility-challenged and all other persons with disabilities. All “Primary Entrances” will be reviewed by the ALRB prior to work / repair / replacement.
Academic Traditional Primary ADA Entry

Existing Conditions

@ WOODS HALL 047

TYPICAL ADA WOOD RAISED PANEL DOOR TO BE REPLACED
Replacement / New Door Options

EXTERIOR

*CONSIDERATION TO BE GIVEN TO PROPORTIONS OF TRANSOM AND ADJACENT WINDOW LITES WHEN SIZING GLASS LITES AT DOOR AND SIDELITES.

*DRAWINGS NOT TO SCALE

INTERIOR

ACADEMIC / ADMINISTRATIVE BUILDINGS

A1-T-ADA

Manufacturer:

HARRING
LEMIEUX
SIMPSON
JELD-WEN

Material:

Aluminum

Finish:

See Color Palette
Academic Traditional Primary Entry
NON-ADA - OPTION A

Existing Conditions

@ WOODS HALL 047

TYPICAL WOOD RAISED PANEL DOUBLE DOOR
TO BE REPLACED
Replacement / New Door Options

Manufacturers:
- HARRING
- LEMIEUX
- SIMPSON
- JELD-WEN

Material: Wood

Finish: See Color Palette

*DRAWINGS NOT TO SCALE
Academic Traditional Primary Entry
NON-ADA - OPTION B

Existing Conditions

@ ARCHITECT’S RENDITION

TYPICAL HALF GLASS & WOOD RAISED PANEL
DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

EXTERIOR

INTERIOR

INTERIOR STORM WINDOW AT TRANSOM

RETAIN EXISTING TRANSOM SASH & ARCHITECTURAL TRIM

INSULATED GLASS W/ SURFACE-APPLIED MUNTINS AND INTERNAL GRID DIVIDERS

SOLID WOOD DOOR W/ RAISED PANELS

EXIT DEVICE

"CONSIDERATION TO BE GIVEN TO PROPORTIONS OF TRANSOM AND ADJACENT WINDOW LITES WHEN SIZING GLASS LITES AT DOOR AND SIDELITES."

"DRAWINGS NOT TO SCALE"

Manufacturers:  Material:
HARRING  Wood
LEMIEUX  Finish:
SIMPSON  See Color Palette
JELD-WEN

University of Maryland  Entrance Door Criteria  31
Academic Traditional Secondary Entry

Existing Conditions

@ COLE 162

TYPICAL SINGLE WOOD RAISED PANEL DOOR TO BE REPLACED
Replacement / New Door Options

*CONSIDERATION TO BE GIVEN TO PROPORTIONS OF TRANSOM (IF PRESENT) AND ADJACENT WINDOW LITES WHEN SIZING GLASS LITES AT DOOR AND SIDELITES.

*DRAWINGS NOT TO SCALE

**Manufacturers:**
- HARRING
- LEMIEUX
- SIMPSON
- JELD-WEN

**Material:**
- Aluminum

**Finish:**
- See Color Palette
Academic Traditional Tertiary Single Entry

Existing Conditions

@ SYMONS HALL 076

TYPICAL HOLLOW METAL SINGLE DOOR
TO BE REPLACED
Replacement / New Door Options

**EXTERIOR**

- 2" Hollow Metal Frame
- Hollow Metal Door, Painted
- Louver if Required

**INTERIOR**

- Exit Device

**Manufacturers:**
- SPECIAL-LITE
- CURRIES
- CECO DOORS

**Material:** Hollow Metal

**Finish:** See Color Palette

*Drawings not to scale*
Academic Traditional Service Entry

Existing Conditions

@ PLANT SCIENCES 036

TYPICAL HOLLOW METAL DOUBLE DOOR WITH GLASS LITES TO BE REPLACED
Replacement / New Door Options

**EXTERIOR**

- 2" Hollow Metal Frame
- Vision Panels @ Service Entry Only
- Exit Device if Required
- Hollow Metal Door, Painted

**INTERIOR**

*Drawings Not To Scale*

**Manufacturers:**
- SPECIAL-LITE
- CURRIES
- CECO DOORS

**Material:**
- Hollow Metal

**Finish:**
- See Color Palette
Academic / Administrative Buildings

Door Recommendation

**TRADITIONAL BUILDING**

- SECONDARY ENTRY: A2-T
- TERTIARY ENTRY: A3-TA, A3-TB

**MID-CENTURY BUILDING**

- PRIMARY ENTRY: A1-M
- SECONDARY ENTRY: A2-M
- TERTIARY ENTRY: *A3-M

* SPECIFIC EXAMPLE SHOWN IS SIMILAR AND APPLICABLE TO MID-CENTURY MODERN BUILDINGS

NOTE: DOORS THAT ARE CONSIDERED EXEMPT ARE THOSE NOT REQUIRED TO COMPLY WITH CURRENT ACCESSIBILITY CODES, MOST OFTEN DUE TO THE HISTORIC NATURE OF THE ENTRANCE OR BUILDING. THOSE DOORS MARKED NON-EXEMPT MAY HAVE HISTORIC CRITERIA BUT ARE REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.
Academic Mid-Century Primary Entry

Existing Conditions

TYPICAL BRONZE ALUMINUM STOREFRONT DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

**Manufacturers:**
- SPECIAL-LITE
- CECO DOORS
- KAWNEER
- YKK
- EFCO

**Material:** Aluminum

**Finish:**
- See Color Palette

*DRAWINGS NOT TO SCALE*
Academic Mid-Century Secondary Entry

Existing Conditions

@ HORNBAKE LIBRARY 147

TYPICAL METAL & GLASS DOOR TO BE REPLACED
Replacement / New Door Options

Manufacturers:
- SPECIAL-LITE
- CECO DOORS
- KAWNEER
- YKK
- EFCO

Material:
- Aluminum

Finish:
- See Color Palette

*DRAWINGS NOT TO SCALE
Academic Mid-Century Tertiary Entry

Existing Conditions

@ VAN MUNCHING 039

TYPICAL HOLLOW METAL MECHANICAL ROOM DOUBLE DOOR WITH HOLLOW METAL FRAME TO BE REPLACED
Replacement / New Door Options

EXTERIOR

INTERIOR

2" HOLLOW METAL FRAME

HOLLOW METAL DOOR, PAINTED

EXIT DEVICE IF REQUIRED

*DRAWINGS NOT TO SCALE

Manufacturers:
- SPECIAL-LITE
- CURRIES
- CECO DOORS

Material: Hollow Metal
Finish: See Color Palette
## Academic / Administrative Buildings

### Door Recommendation

<table>
<thead>
<tr>
<th>PRIMARY ENTRY</th>
<th>MID-CENTURY BUILDING</th>
<th>CONTEMPORARY BUILDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADITIONAL BUILDING</td>
<td>A1-M</td>
<td>*A1-C</td>
</tr>
<tr>
<td>MID-CENTURY BUILDING</td>
<td>A2-M</td>
<td>A2-C ADA</td>
</tr>
<tr>
<td>A2-T</td>
<td>A2-M</td>
<td>A2-C ADA</td>
</tr>
<tr>
<td>TERTIARY ENTRY</td>
<td>A3-M</td>
<td>*A3-C</td>
</tr>
<tr>
<td>A3-TA</td>
<td>A3-M</td>
<td>*A3-C</td>
</tr>
<tr>
<td>A3-TB</td>
<td>A3-M</td>
<td>*A3-C</td>
</tr>
</tbody>
</table>

* Note: Doors that are considered exempt are those not required to comply with current accessibility codes, most often due to the historic nature of the entrance or building. Those doors marked non-exempt may have historic criteria but are required to comply with accessibility codes.

* Specific example shown is similar and applicable to mid-century modern buildings.
Academic Contemporary Primary Entry

Existing Conditions

@ ANIMAL SCIENCES 142

TYPICAL ALUMINUM STOREFRONT DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

**EXTERIOR**

- 2" Aluminum Frame
- Horizontal Mullion
- Glazing Panels

**INTERIOR**

- Exit Device

*Drawings Not to Scale

Manufacturers:
- SPECIAL-LITE
- CECO DOORS
- KAWNEER
- YKK
- EFCO

Material: Aluminum
Finish: See Color Palette
Academic Contemporary ADA Entry

Existing Conditions

@ HORNBAKE LIBRARY 147

TYPICAL METAL DOOR AND SIDELITE TO BE REPLACED
Replacement / New Door Options

EXTERIOR

- TRANSOM
- GLAZING PANEL
- HORIZONTAL MULLION
- ALUMINUM FRAME

INTERIOR

- EXIT DEVICE
- GLAZING PANELS
- SIDE LIGHT GLAZING PANELS

*DRAWINGS NOT TO SCALE

Manufacturers:
- SPECIAL-LITE
- CURRIES
- CECO DOORS

Material:
- Hollow Metal

Finish:
- See Color Palette
Academic Contemporary Tertiary Entry

Existing Conditions

TYPICAL HOLLOW METAL MECHANICAL ROOM DOUBLE DOOR WITH HOLLOW METAL FRAME TO BE REPLACED
Replacement / New Door Options

EXTERIOR

2" HOLLOW METAL FRAME

INTERIOR

EXIT DEVICE IF REQUIRED

HOLLOW METAL DOOR, PAINTED

*DRAWINGS NOT TO SCALE

Manufacturers:
- SPECIAL-LITE
- CURRIES
- CECO DOORS

Material:
- Hollow Metal

Finish:
- See Color Palette
Assembly / Events Buildings

Door Recommendation

NOTE: DOORS THAT ARE CONSIDERED EXEMPT ARE THOSE NOT REQUIRED TO COMPLY WITH CURRENT ACCESSIBILITY CODES, MOST OFTEN DUE TO THE HISTORIC NATURE OF THE ENTRANCE OR BUILDING. THOSE DOORS MARKED NON-EXEMPT MAY HAVE HISTORIC CRITERIA BUT ARE REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.
Assembly & Events Traditional
Primary Entry

Existing Conditions

@ RITCHIE COLOSSEUM 004

TYPICAL RAISED PANEL DOOR TO BE REPLACED
Replacement / New Door Options

EXTERIOR

INTERIOR

* EXCEPTION: REPLACEMENT WOOD DOORS ALLOWED WHERE WEATHER PROTECTION IS PROVIDED

* DRAWINGS NOT TO SCALE

Manufacturers:
HARRING
LEMIEUX
SIMPSON
JELD-WEN

Material:
Wood / Aluminum

Finish:
See Color Palette
Assembly & Events Traditional
Primary ADA Entry

Existing Conditions

@ MEMORIAL CHAPEL - EAST DOOR 009

TYPICAL NON-ACCESSIBLE WOOD DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

* SINGLE WOOD DOOR SIMULATED DESIGN TO APPEAR AS DOUBLE DOORS

*DRAWINGS NOT TO SCALE

Manufacturers:  Material:
HARRING  Wood
LEMIEUX  Finish:
SIMPSON  See Color Palette
JELD-WEN
Assembly & Events Traditional Secondary Entry

Existing Conditions

@ RECKORD ARMORY 078

TYPICAL WOOD RAISED PANEL DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

EXTERIOR

EXISTING TRANSOM SASH AND ARCHITECTURAL TRIM

ALIGN HINGE-SIDE OF DOOR WITH TRANSOM EDGE

EXIT DEVICE

REPLACE WOOD PANEL DOOR TO MATCH EXISTING IN-KIND

INTERIOR

*DRAWINGS NOT TO SCALE

Manufacturers:

- HARRING
- LEMIEUX
- CUSTOM

Material:

- Wood

Finish:

- See Color Palette
Assembly & Events Traditional Tertiary Entry

Existing Conditions

@ COLE FIELD HOUSE 162

TYPICAL HOLLOW METAL DOUBLE DOOR WITH HOLLOW METAL FRAME TO BE REPLACED
Replacement / New Door Options

**EXTERIOR**

- 2” HOLLOW METAL FRAME
- VISION PANELS - 6”W x 24-30”H @ SERVICE ENTRY ONLY
- EXIT DEVICE IF REQUIRED
- HOLLOW METAL DOOR, PAINTED

**INTERIOR**

Manufacturers:
- SPECIAL-LITE
- CURRIES
- CECO DOORS

Material:
- Hollow Metal

Finish:
- See Color Palette

*DRAWINGS NOT TO SCALE*
Assembly / Events Buildings

Door Recommendation

NOTE: DOORS THAT ARE CONSIDERED EXEMPT ARE THOSE NOT REQUIRED TO COMPLY WITH CURRENT ACCESSIBILITY CODES, MOST OFTEN DUE TO THE HISTORIC NATURE OF THE ENTRANCE OR BUILDING. THOSE DOORS MARKED NON-EXEMPT MAY HAVE HISTORIC CRITERIA BUT ARE REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.
Assembly & Events Mid-Century Primary Entry

Existing Conditions

@ SOUTH CAMPUS DINING 026

TYPICAL ALUMINUM STOREFRONT DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

EXTERIOR

2" ALUMINUM FRAME

INTERIOR

EXIT DEVICE

HORIZONTAL MULLION

GLAZING PANELS

*DRAWINGS NOT TO SCALE

Manufacturers:
SPECIAL-LITE
CECO DOORS
KAWNEER
YKK
EFCO

Material:
Aluminum

Finish:
See Color Palette
Assembly & Events Mid-Century Secondary Entry

Existing Conditions

@ SOUTH CAMPUS DINING 026

TYPICAL NARROW LEAF ALUMINUM AND GLASS STOREFRONT DOUBLE DOOR TO BE REPLACED
Replacement / New Door Options

Manufacturers:
- SPECIAL-LITE
- CECO DOORS
- KAWNEER
- YKK
- EFCO

Material: Aluminum
Finish: See Color Palette

*DRAWINGS NOT TO SCALE
Assembly & Events Mid-Century Tertiary Entry

Existing Conditions

@ SOUTH CAMPUS DINING 026

TYPICAL HOLLOW METAL MECHANICAL ROOM DOUBLE DOOR WITH HOLLOW METAL FRAME TO BE REPLACED
Replacement / New Door Options

EXTERIOR

INTERIOR

2" HOLLOW METAL FRAME

HOLLOW METAL DOOR, PAINTED

EXIT DEVICE IF REQUIRED

Manufacturers:
- SPECIAL-LITE
- CURRIES
- CECO DOORS

Material:
- Hollow Metal

Finish:
- See Color Palette

*DRAWINGS NOT TO SCALE
Residential Facility Buildings

Door Recommendation

NOTE: DOORS THAT ARE CONSIDERED EXEMPT ARE THOSE NOT REQUIRED TO COMPLY WITH CURRENT ACCESSIBILITY CODES, MOST OFTEN DUE TO THE HISTORIC NATURE OF THE ENTRANCE OR BUILDING. THOSE DOORS MARKED NON-EXEMPT MAY HAVE HISTORIC CRITERIA BUT ARE REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.
Residential Traditional Primary Entry

@ HARFORD HALL 014

TYPICAL RAISED PANEL DOOR + SIDE PANELS TO BE REPLACED

* EXAMPLE OF PRIMARY ENTRANCE DOOR FOR TRADITIONAL BUILDINGS WITH SUITES AND APARTMENTS (ENTRANCE IS TO STAIRWELL)
Replacement / New Door Options

**EXTERIOR**

- Align panel and rail dimensions @ side w/ door rails and panels per guidelines

**INTERIOR**

- Automatic door operator if applicable

*Drawings not to scale

**Material:**
- FRP

**Finish:**
- Smooth / Matte
Residential Traditional ADA Entry

Existing Conditions

@ ANNE ARUNDEL HALL 060

TYPICAL FRP DOOR W/ APPLIED TRIM TO BE REPLACED

* EXAMPLE OF PRIMARY ENTRANCE DOOR FOR TRADITIONAL DOUBLE LOADED CORRIDOR BUILDINGS (ENTRANCE IS TO LOBBY)
Replacement / New Door Options

**EXTERIOR**
- Retain glass transom in-kind where possible
- Hollow metal frame
- Auto operator (if ADA access is applicable)
- Solid FRP door w/ applied moulding
- Align panel and rail dimensions @ side w/ door
- Rails and panels per guidelines

**INTERIOR**
- Exit device

*Drawings not to scale

**Material:**
- FRP

**Finish:**
- Smooth / Matte
Residential Traditional Primary Greek House Entry

Existing Conditions
Replacement / New Door Options

**EXTERIOR**
- AUTO OPERATOR (IF ADA ACCESS IS APPLICABLE)
- HOLLOW METAL FRAME
- FROSTED GLASS @ SIDELITES, TYP
- EXIT DEVICE
- ALIGN PANEL AND RAIL DIMENSIONS @ SIDE W/ DOOR RAILS AND PANELS PER GUIDELINES
- SOLID FRP DOOR W/ APPLIED MOULDING

**INTERIOR**

*DRAWINGS NOT TO SCALE

**Material:**
- FRP

**Finish:**
- Smooth / Matte
Residential Traditional Secondary Entry

Existing Conditions

@ HARFORD HALL 014

TYPICAL RAISED PANEL DOOR TO BE REPLACED
Replacement / New Door Options

**Material:**
FRP

**Finish:**
Smooth / Matte
Residential Traditional Secondary Greek House Entry

Existing Conditions

@ FRATERNITY ROW 003

TYPICAL FRP DOOR W/ RAISED PANEL TO BE REPLACED
Replacement / New Door Options

**EXTERIOR**

- Solid FRP door with applied moulding
- Exit device
- Frame material to match door if frame is replaced

**INTERIOR**

- Solid FRP door with applied moulding

*Drawings not to scale*

**Material:**
- FRP

**Finish:**
- Smooth / Matte
Residential Traditional Tertiary Entry

Existing Conditions
Replacement / New Door Options

Material:
FRP

Finish:
Smooth / Matte

*DRAWINGS NOT TO SCALE
Residential Traditional Tertiary Greek House Entry

Existing Conditions

@ FRATERNITY ROW 012

TYPICAL FLUSH HOLLOW METAL DOOR TO BE REPLACED
Replacement / New Door Options

**EXTERIOR**

**INTERIOR**

- Frame material to match door if frame is replaced
- Exit device
- Louver if required

*Drawings not to scale*

**Material:**
- Flush Hollow Metal or FRP if below grade

**Finish:**
- Smooth / Matte
Residential Facility Buildings

Door Recommendation

<table>
<thead>
<tr>
<th>PRIMARY ENTRY</th>
<th>TRADITIONAL BUILDING</th>
<th>MID-CENTURY BUILDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1-T</td>
<td>R1-T Ada</td>
<td>R1-M Ada</td>
</tr>
<tr>
<td>R1-T Ada</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R1-T Greek</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R2-T Greek</td>
<td></td>
<td>R2-M R2a-M</td>
</tr>
<tr>
<td>R3-T Greek</td>
<td></td>
<td>R3-M</td>
</tr>
</tbody>
</table>

NOTE: DOORS THAT ARE CONSIDERED EXEMPT ARE THOSE NOT REQUIRED TO COMPLY WITH CURRENT ACCESSIBILITY CODES, MOST OFTEN DUE TO THE HISTORIC NATURE OF THE ENTRANCE OR BUILDING. THOSE DOORS MARKED NON-EXEMPT MAY HAVE HISTORIC CRITERIA BUT ARE REQUIRED TO COMPLY WITH ACCESSIBILITY CODES.
Residential Mid-Century Primary ADA Entry

Existing Conditions
Replacement / New Door Options

**EXTERIOR**
- **Existing Glazed Transom to Remain, Typ**
- **Head Rail and Stile**
  - Dimensions to be equal and not greater than 7" at similar doors with glazed lites
- **Hollow Metal Frame**
- **Glazed Panels**
- **Exit Device**

**INTERIOR**
- **Auto Operator**
- **Hollow Metal Frame**
- **Glazed Panels**
- **Exit Device**

---

**Material:**
FRP

**Finish:**
Smooth / Matte

*Drawings Not to Scale*
Residential Mid-Century Secondary Entry

Existing Conditions

@ CUMBERLAND HALL 122

TYPICAL FRP DOOR W/ APPLIED TRIM TO BE REPLACED

* EXAMPLE OF SECONDARY ENTRANCE (EXIT ONLY) DOOR FOR MID-CENTURY HIGHRISE RESIDENCE HALL
Replacement / New Door Options

**Material:**
FRP

**Finish:**
Smooth / Matte

*Drawings not to scale*
Residential Mid-Century Secondary Entry 2

Existing Conditions

@ CAMBRIDGE HALL 096

TYPICAL FRP RAISED PANEL DOOR TO BE REPLACED

* EXAMPLE OF 5’ WIDE SECONDARY ENTRANCE DOOR FOR MID-CENTURY HIGHRISE RESIDENCE HALL
Replacement / New Door Options

**Material:**
FRP

**Finish:**
Smooth / Matte

* Drawings not to scale
Residential Mid-Century Tertiary Entry

Existing Conditions

@ CENTERVILLE HALL 098

TYPICAL FRP DOOR WITH APPLIED TRIM TO BE REPLACED

* EXAMPLE OF TERTIARY ENTRANCE DOOR FOR MID-CENTURY HIGHLRISE RESIDENCE HALL
Replacement / New Door Options

**Material:**
FRP

**Finish:**
Smooth / Matte

**NOTE:** HEAD RAIL AND STILE DIMENSIONS TO BE EQUAL AND NOT GREATER THAN 7” AT SIMILAR DOORS WITH GLAZED LITES

**EXIT DEVICE**

**SOLID FRP DOOR WITH APPLIED MOULDING**

**HOLLOW METAL FRAME**

*DRAWINGS NOT TO SCALE*
Procedure For Exterior Doors

REPLACEMENT (IF EXCEPTION IS REQUIRED PER DCFS)

DEPARTMENT HEAD
REQUEST

PROJECT MANAGER
CONSULTS DCFS

APPROVAL BY ALRB CHAIR

REJECTED          NEEDS ALRB REVIEW          APPROVED

TECHNICAL REVIEW
Department of Public Safety
Department of Residential Facilities
Department of Facilities Management:
- Facility Planning
- Design & Construction
- Operations & Maintenance

CONSTRUCTION
Submittal Review to Confirm
Compliance with Guidelines
DESIGN (AT NEW BUILDINGS)

ARCHITECT CONSULTS DCFS

REVIEW WITH UMD CAPITAL PROJECTS

ALRB REVIEW
SD & DD Phases

TECHNICAL REVIEW
Department of Public Safety
Department of Residential Facilities
Department of Facilities Management:
- Facility Planning
- Design & Construction
- Operations & Maintenance

CONSTRUCTION
Submittal Review to Confirm
Compliance with Guidelines