

URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
 Planning Division
 Madison Municipal Building, Suite 017
 215 Martin Luther King, Jr. Blvd.
 P.O. Box 2985
 Madison, WI 53701-2985
 (608) 266-4635



FOR OFFICE USE ONLY:

Date Received _____ Initial Submittal
 Paid _____ Revised Submittal

Complete all sections of this application, including the desired meeting date and the action requested. If your project requires both UDC and Land Use application submittals, a completed [Land Use Application](#) and accompanying submittal materials are also required to be submitted.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the Planning Division at (608) 266-4635.

Si necesita interprete, traductor, materiales en diferentes formatos, u otro tipo de ayuda para acceder a estos formularios, por favor llame al (608) 266-4635.

Yog tias koj xav tau ib tug neeg txhais lus, tus neeg txhais ntawv, los sis xav tau cov ntaub ntawv ua lwm hom ntawv los sis lwm cov kev pab kom paub txog cov lus qhia no, thov hu rau Koog Npaj (Planning Division) (608) 266-4635.

1. Project Information

Address (list all addresses on the project site): 702 North Midvale Boulevard

Title: Hilldale Shopping Center: Building 100 Exterior Minor Amendment (Former AMC Theater Renovation)

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested April 12, 2023 April 26, 2023

- New development Alteration to an existing or previously-approved development
 Informational Initial Approval Final Approval

3. Project Type

- Project in an Urban Design District
 Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
 Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
 Planned Development (PD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Multi-Use Site or Residential Building Complex

Signage

- Comprehensive Design Review (CDR)
 Modifications of Height, Area, and Setback
 Sign Exceptions as noted in [Sec. 31.043\(3\)](#), MGO

Other

- Please specify _____

4. Applicant, Agent, and Property Owner Information

Applicant name Hilldale Shopping Center
Street address 33 Boylston Street, Suite 3000
Telephone 617.405.5898

Company Hilldale Shopping Center
City/State/Zip Chestnut Hill, MA 02467
Email chris.boyce@wsdevelopment.com

Project contact person Brian Munson
Street address 120 East Lakeside Street
Telephone 608.609.4410

Company Vandewalle & Associates
City/State/Zip Madison, WI 53715
Email bmunson@vandewalle.com

Property owner (if not applicant) _____

Street address _____ **City/State/Zip** _____

Telephone _____ **Email** _____

URBAN DESIGN COMMISSION APPROVAL PROCESS



Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Modification requests)
- Initial Approval. Applicants may, at their discretion, request Initial Approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the Initial Approval must be addressed at this time.

Presentations to the Commission

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimum application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- Locator Map
- Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan
- Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

**** All plans must be legible, including the full-sized landscape and lighting plans (if required)**

2. Initial Approval

- Locator Map
- Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- Landscape Plan and Plant List (*must be legible*)
- Building Elevations in **both** black & white and color for all building sides, including material and color callouts
- PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- Grading Plan
- Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials
- Proposed sign areas and types (if applicable)

4. Signage Approval (*Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per [Sec. 31.043\(3\)](#))*)

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications criteria is required)
- Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- Illustration of the proposed signage that meets [Ch. 31, MGO](#) compared to what is being requested
- Graphic of the proposed signage as it relates to what the [Ch. 31, MGO](#) would permit

Urban Design Commission Application (continued)**5. Required Submittal Materials** **Application Form**

- A completed application form is required for each UDC appearance. For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (Initial or Final Approval) from the UDC.

 Letter of Intent

- If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required.
- For signage applications, a summary of how the proposed signage is consistent with the applicable Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

 Development Plans (Refer to checklist on Page 4 for plan details) **Filing Fee** (Refer to Section 7 (below) for a list of application fees by request type) **Electronic Submittal**

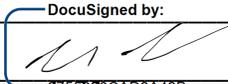
- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to UDCapplications@cityofmadison.com. The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

 Notification to the District Alder

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with _____ on _____.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant Hilldale Shopping Center DocuSigned by: _____ Relationship to property Owner
 Authorizing signature of property owner  Date 3/12/2023
 Lou Masera 4765B316CAD8A43B... Senior Vice President, Asset Strategy & Dev

7. Application Filing Fees

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City's drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City's drop box.

Please consult the schedule below for the appropriate fee for your request:

- Urban Design Districts: \$350 (per [§33.24\(6\) MGO](#)).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per [§33.24\(6\)\(b\) MGO](#))
- Comprehensive Design Review: \$500 (per [§31.041\(3\)\(d\)\(1\)\(a\) MGO](#))
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per [§31.041\(3\)\(d\)\(1\)\(c\) MGO](#))
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for Sign Modifications (of height, area, and setback), and additional sign code approvals: \$300 (per [§31.041\(3\)\(d\)\(2\) MGO](#))

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex



VANDEWALLE & ASSOCIATES INC.

March 13, 2023

Heather Stouder
Department of Planning & Development
City of Madison
215 Martin Luther King, Jr. Blvd.
Madison, WI 53710-2985

RE: Hilldale Shopping Center
Minor Amendment to Existing SIP
Building 100

Dear Heather,

WS Development is please to submit the attached Minor Amendment: Specific Implementation Plan for the building 100 phase of reinvestment in the Hilldale Shopping Center. This amendment redevelops the former AMC suite into new storefronts facing onto Price Place and Heather Crest.

We look forward to working with the City on the review and implementation of this project.

Sincerely,

Brian Munson
Principal

Project Name:

Hilldale Shopping Center: Building 100 Minor Amendment

Applicant/Owner:

401 North Segoe LLC & Hilldale Shopping Center LLC.

33 Boylston Street

Suite 3000

Chestnut Hill, MA 02467

Contact: Chris Boyce

Chris.boyce@wsdevelopment.com

Design Team:

Architects:

Hacin Associates

500 Harrison Avenue

Studio 4F

Boston, MA 02118

Contact: Matthew Manke

mmanke@hacin.com

Epstein Uhen Architects

222 West Washington Avenue

Suite 650

Madison, WI 53703

Contact: Jonathan Parker

jonathanp@eua.com

Landscape Architect:

Realm Collaborative

100 East Broad Street

Suite 1710

Columbus, OH 43215

Contact: Brian Bernstein

bberstein@realmcollaborative.com

Civil Engineering:

Snyder & Associates

5010 Voges Road

Madison, WI 53718

Contact: Scott Anderson

sanderson@snyder-associates.com

Planning:

Vandewalle & Associates

120 East Lakeside Street

Madison, WI 53715

Contact: Brian Munson

Bmunson@vandewalle.com

Site Data:

Address: 702 North Midvale Boulevard 0709-201-2101-2

Anticipated Project Phasing:

2023 Construction Start

2-3 year implementation in two phases as determined by market demand.



HILLDALE PHASE 3 BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

HILLDALE

WS



CITY SUBMITTAL

03/13/2023

PROJECT NUMBER: 719494-01

1

2

3

4

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6

7

EXTERIOR MATERIALS	
B-8	MASONRY FACE BRICK
B-9	EXISTING MASONRY - PAINTED
C-1	BOARD FORMED PRECAST CONCRETE PANELS
GW-1	GREEN WALL CABLE SYSTEM
MP-1	METAL PANEL ACM
MP-2	METAL PANEL ZINC COMPOSITE PANEL
MP-4	METAL PANEL PANELS WITH CONCEALED FASTENERS
PC-1	PARAPET WALL COPING
PS-1	PAINTED STEEL
S-3	STONE
ST-1	METAL STOREFRONT
E9	PAINTED METAL PARAPET CAPS (COLOR MATCHED TO MP-1 FACADE PANELS)
E10	PAINTED BRICK ENDS, FLEMISH BOND BRICK PATTERN
E11	CANOPY SIGNAGE PAINTED BY TENANT



milwaukee | madison | green bay | denver | atlanta

E

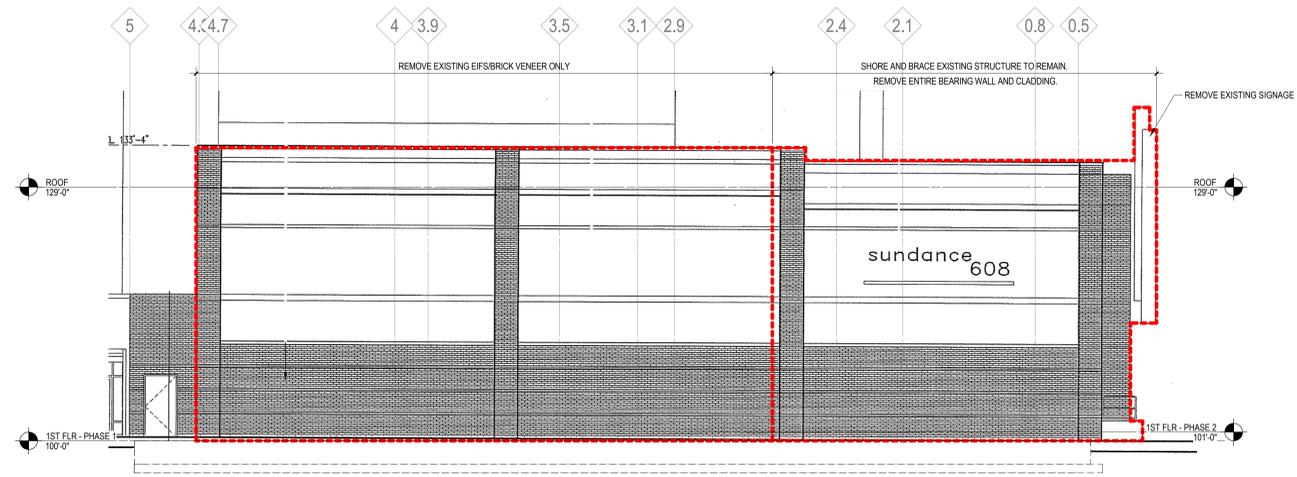
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D

PROJECT INFORMATION
**HILDALE PHASE 3
 BUILDING 100**
 702 N. Midvale Blvd.
 Madison, WI 53705

C

C



ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN

B4 WEST ELEVATION - DEMOLITION - PHASE 2
 1/8" = 1'-0"

B

B



A4 WEST ELEVATION - NEW
 1/8" = 1'-0"

SHEET INFORMATION

**PROGRESS DOCUMENTS
 NOT FOR CONSTRUCTION**
 These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

EXTERIOR ELEVATIONS

A202-1

© 2023 Epstein Uhen Architects, Inc.

1

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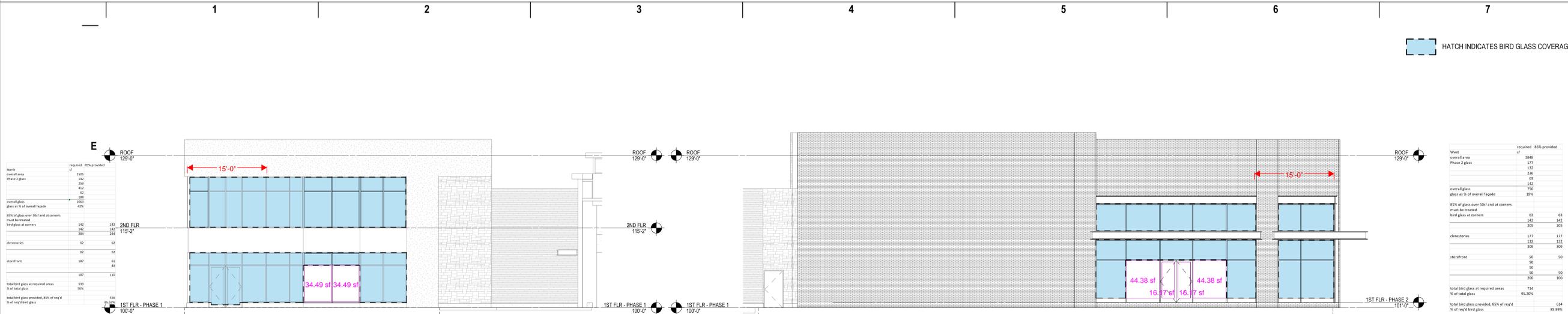
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7

A

A

HATCH INDICATES BIRD GLASS COVERAGE



West overall area	required	85% provided
Phase 2 glass	177	177
Phase 3 glass	132	132
overall glass	309	309
glass as % of overall facade	30%	30%
85% of glass over 50ft and at corners must be treated	63	63
bird glass at corners	142	142
storefront	205	205
storefront	177	177
storefront	132	132
storefront	309	309
storefront	50	50
storefront	50	50
storefront	50	50
storefront	200	200
total bird glass at required areas	714	714
% of total glass	93.20%	93.20%
total bird glass provided, 85% of req'd % of req'd bird glass	854	85.20%

E

PROJECT INFORMATION

HILDALE PHASE 3 BUILDING 100

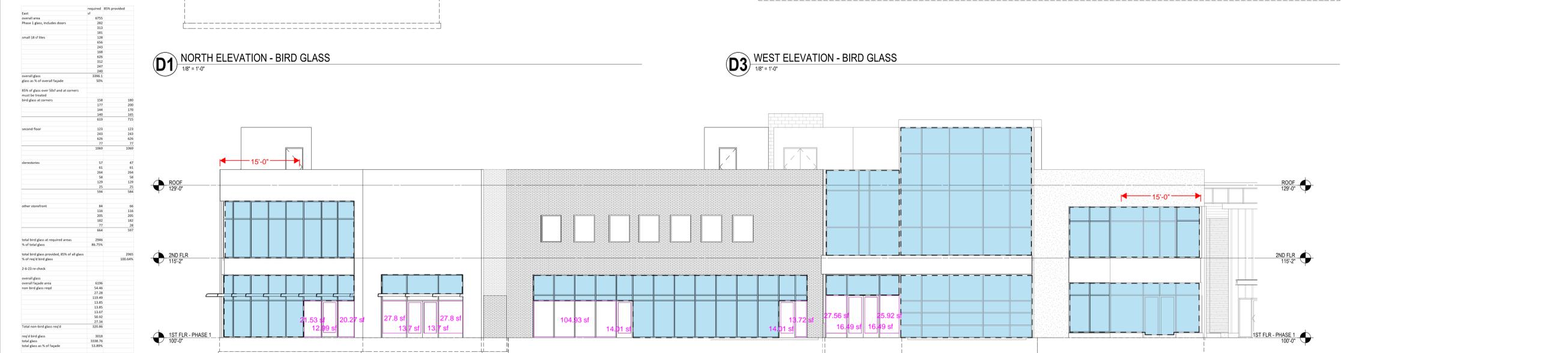
D 702 N. Midvale Blvd. Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

C

KEY PLAN



D1 NORTH ELEVATION - BIRD GLASS 1/8" = 1'-0"

D3 WEST ELEVATION - BIRD GLASS 1/8" = 1'-0"

C1 EAST ELEVATION - BIRD GLASS 1/8" = 1'-0"



A1 SOUTH ELEVATION - BIRD GLASS 1/8" = 1'-0"

B

SHEET INFORMATION

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

EXTERIOR ELEVATIONS - BIRD GLASS DIAGRAM

A203 -1

PROJECT INFORMATION

HILDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/13/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION

**PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION**

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

BUILDING SECTIONS

A300-1

E

D

C

B

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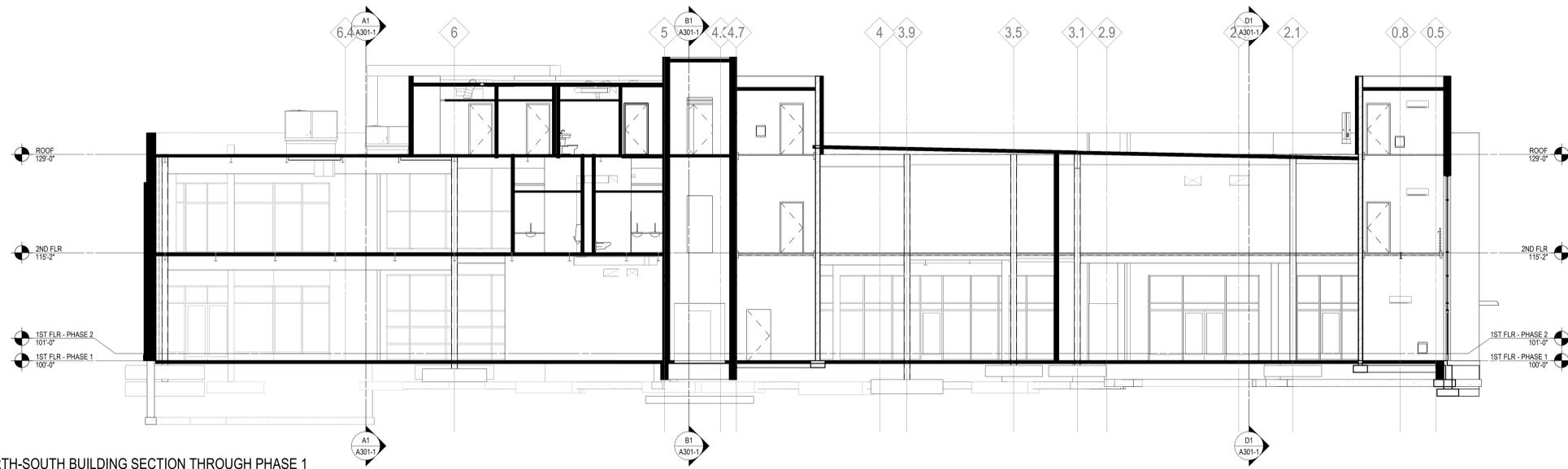
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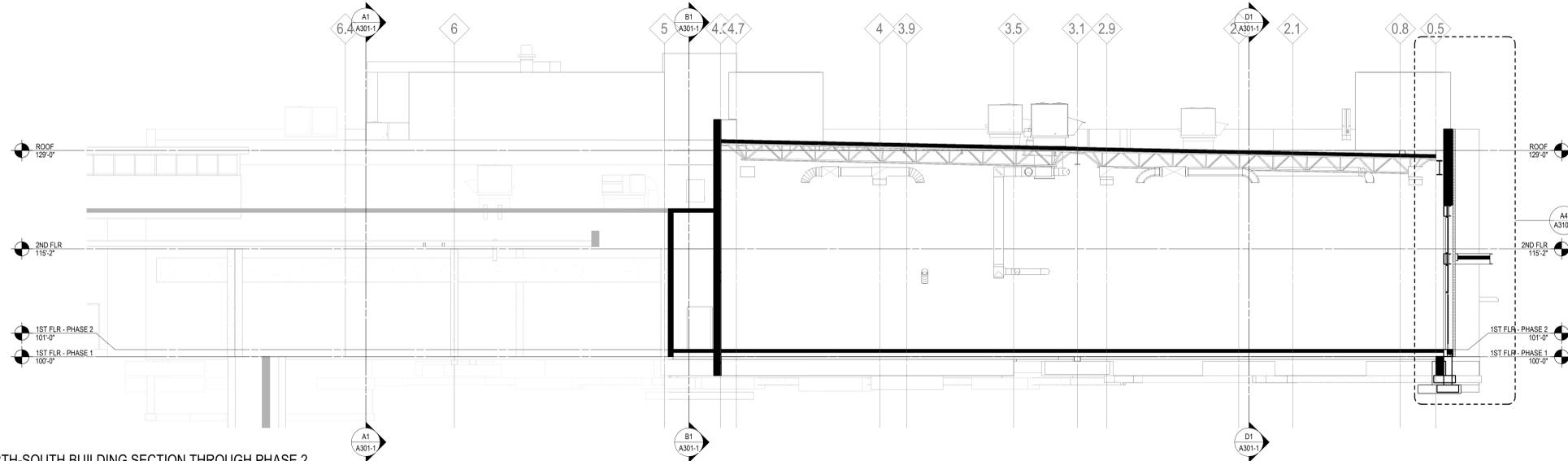
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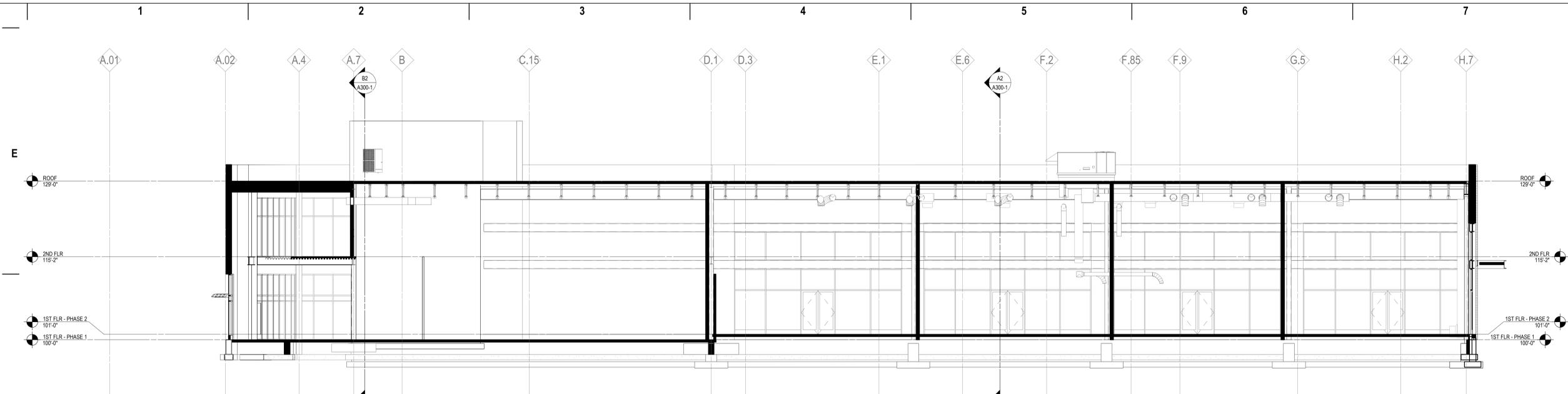
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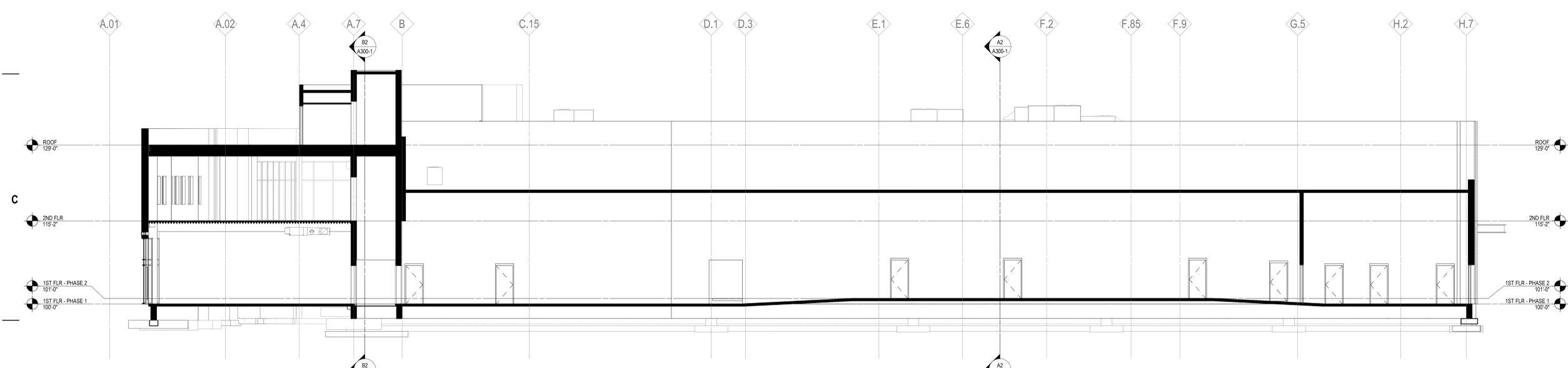
B2 NORTH-SOUTH BUILDING SECTION THROUGH PHASE 1
1/8" = 1'-0"



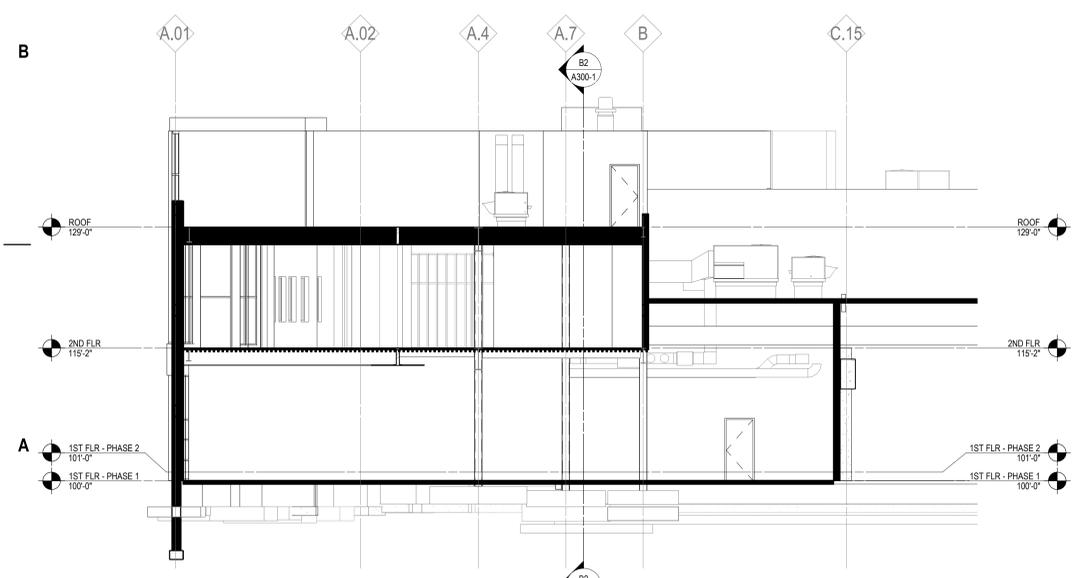
A2 NORTH-SOUTH BUILDING SECTION THROUGH PHASE 2
1/8" = 1'-0"



D1 EAST-WEST BUILDING SECTION THROUGH TENANT S-160
1/8" = 1'-0"



B1 EAST-WEST BUILDING SECTION AT SERVICE CORRIDOR
1/8" = 1'-0"



A1 EAST-WEST BUILDING SECTION THROUGH TENANT S-200
1/8" = 1'-0"

E

PROJECT INFORMATION
**HILDALE PHASE 3
BUILDING 100**

D 702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

C

KEY PLAN

B

SHEET INFORMATION

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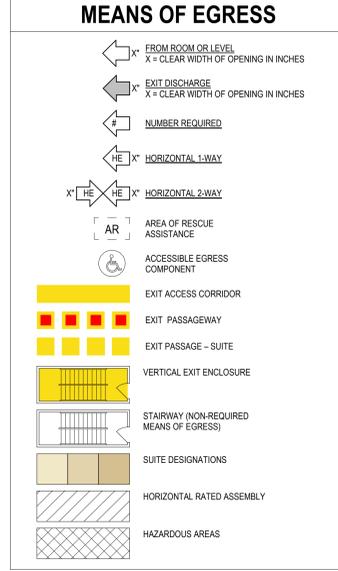
PROJECT MANAGER JP
PROJECT NUMBER 719494-01

BUILDING SECTIONS

A301-1

FIRE RESISTIVE LEGEND

FIRE WALLS	
4FW 4FW 4FW 4FW 4FW 4FW	4 HOUR FIRE WALL
3FW 3FW 3FW 3FW 3FW 3FW	3 HOUR FIRE WALL
2FW 2FW 2FW 2FW 2FW 2FW	2 HOUR FIRE WALL
FIRE BARRIERS	
4FB 4FB 4FB 4FB 4FB 4FB	4 HOUR FIRE BARRIER
3FB 3FB 3FB 3FB 3FB 3FB	3 HOUR FIRE BARRIER
2FB 2FB 2FB 2FB 2FB 2FB	2 HOUR FIRE BARRIER
1FB 1FB 1FB 1FB 1FB 1FB	1 HOUR FIRE BARRIER
SHAFT ENCLOSURES	
2SE 2SE 2SE 2SE 2SE 2SE	2 HOUR SHAFT ENCLOSURE
1SE 1SE 1SE 1SE 1SE 1SE	1 HOUR SHAFT ENCLOSURE
SMOKE BARRIERS	
4SB 4SB 4SB 4SB 4SB 4SB	4 HOUR SMOKE BARRIER
3SB 3SB 3SB 3SB 3SB 3SB	3 HOUR SMOKE BARRIER
2SB 2SB 2SB 2SB 2SB 2SB	2 HOUR SMOKE BARRIER
1SB 1SB 1SB 1SB 1SB 1SB	1 HOUR SMOKE BARRIER
FIRE PARTITIONS	
1FP 1FP 1FP 1FP 1FP 1FP	1 HOUR FIRE PARTITION
0.5FP 0.5FP 0.5FP 0.5FP 0.5FP 0.5FP	0.5 HOUR FIRE PARTITION
0.5 0.5 0.5 0.5 0.5 0.5	0.5 HOUR CORRIDOR PARTITION (FOR EXISTING HOSPITAL CONSTRUCTION ONLY)
SMOKE TIGHT PARTITIONS	
X X X X X X X X X X	SMOKE TIGHT PARTITION
XC XC XC XC XC XC XC	SMOKE TIGHT PARTITION (TO SMOKE TIGHT CEILING)
XP XP XP XP XP XP XP	SMOKE TIGHT PARTITION (WITHIN PLENUM ABOVE CEILING)
XI XI XI XI XI XI XI	SMOKE TIGHT PARTITION (SEPARATION OF INTERSTITIAL SPACES)
BEARING WALLS	
2BW 2BW 2BW 2BW 2BW 2BW	2 HOUR BEARING WALL
1BW 1BW 1BW 1BW 1BW 1BW	1 HOUR BEARING WALL



LIFE SAFETY GENERAL NOTES

- WHEN A WALL HAS MORE THAN ONE CLASSIFICATION, THE MOST RESTRICTIVE REQUIREMENTS FOR EACH CLASSIFICATION SHALL APPLY.
- FOR NEW CONSTRUCTION, PERIMETER SMOKE-SEALS MAY BE REQUIRED AT FIRE-RATED DOORS IN CERTAIN OCCUPANCIES.

LIFE SAFETY DRAWING NOTES APPLICABLE TO EXISTING CONDITIONS

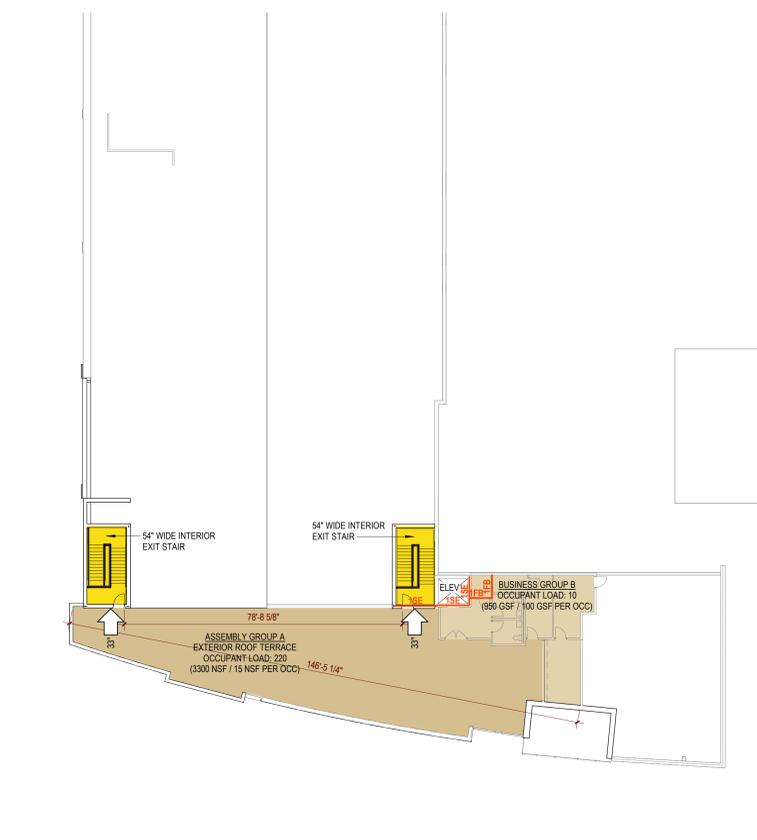
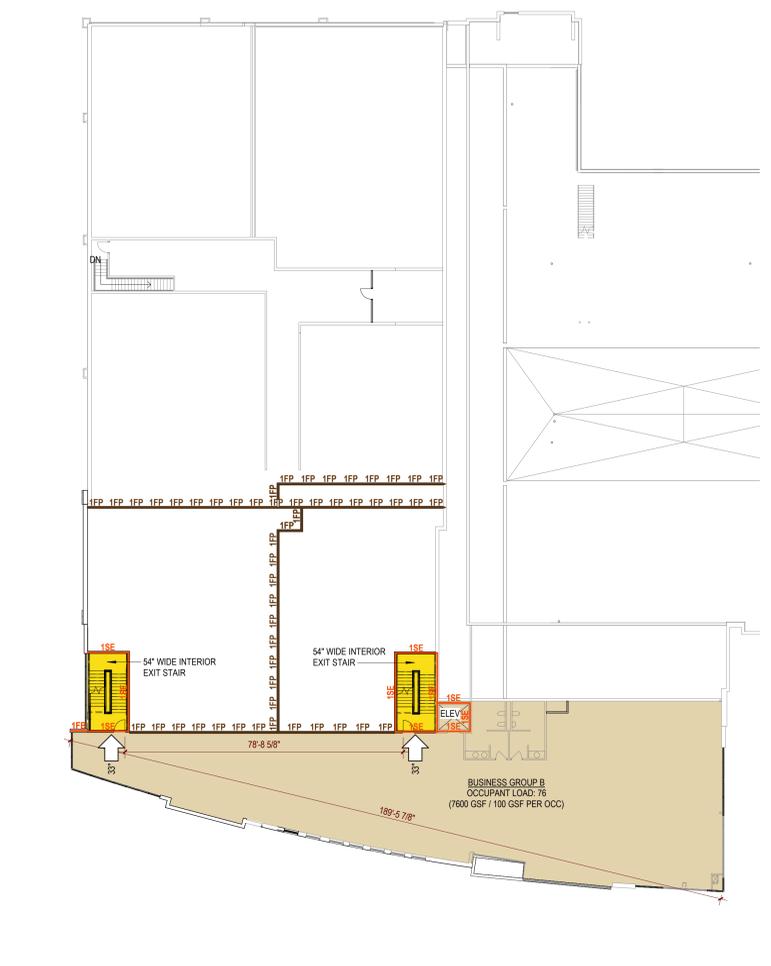
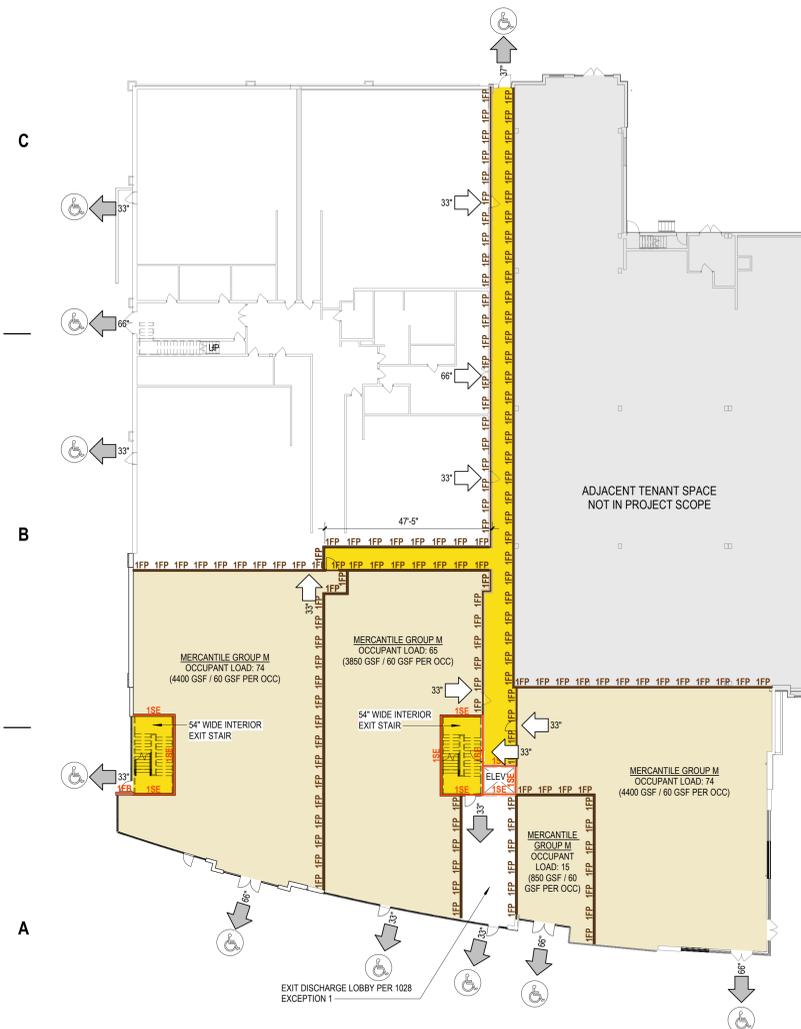
EXISTING CONDITIONS INDICATED BY THESE LIFE SAFETY PLANS ARE BASED ON INFORMATION PROVIDED AND AN ANALYSIS OF APPLICABLE CODES. IF EXISTING FIELD CONDITIONS ARE DISCOVERED TO BE DIFFERENT FROM WHAT IS INDICATED ON THESE PLANS, CONTACT THE ARCHITECT.

WITHIN LIMITS OF NEW CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FOLLOWING AND PATCH DEFICIENCIES (IF ANY ARE DISCOVERED) OF EXISTING ASSEMBLIES.

- CONTINUITY OF SPRAYED ON FIRE PROTECTION
- CONTINUITY OF FIRE RATINGS AND SMOKE-TIGHTNESS REQUIREMENTS OF FLOOR ASSEMBLIES
- WALL FIRE RATINGS AND SMOKE-TIGHTNESS REQUIREMENTS AS INDICATED BY THESE LIFE SAFETY PLANS
- FIRE STOPPING OF THROUGH PENETRATIONS
- FIRE STOPPING OF PERIMETER JOINTS

PROJECT DATA

OWNER				
VMS DEVELOPMENT				
LOCATION				
MUNICIPALITY:	CITY OF MADISON			
COUNTY:	DANE			
STATE:	WISCONSIN			
APPLICABLE BUILDING CODES				
DISCREPANCY: COMMERCIAL BUILDINGS CODE 2015 IBC AS MODIFIED BY CHAPTERS SPS 381.368 MAY 1, 2018				
EXISTING CONSTRUCTION CLASSIFICATION		CHAPTER 6 SECTION 602		
TYPE IIB				
OCCUPANCY GROUPS		CHAPTER 3 SECTION 302		
B (BUSINESS)				
B1 (MERCANTILE)				
ACCESSORY USE(S)		CHAPTER 5 SECTION 508.2		
A-3 (ASSEMBLY) MAYBE				
PROJECT TYPE				
LEVEL 2 ALTERATION, ENTIRE PROJECT WILL COMPLY WITH IBC REQUIREMENTS				
BLDG HEIGHT		ALLOWABLE	PROVIDED	
OCCUPANCIES B AND M		75'	43'	
NUMBER OF STORIES		CHAPTER 4 SECTION 402.4.1.1		
BLDG GROSS AREA (SQ FT)		ALLOWABLE	AREA INCREASE	PROVIDED
3 (UNLIMITED AREA OPEN MALL BLDG)		CHAPTER 4 SECTION 402.4.1.1		
FIRST FLOOR		UNLIMITED	0	30,400 SF
SECOND FLOOR		UNLIMITED	0	7,600 SF
THIRD FLOOR		UNLIMITED	0	1,700 SF
FIRE PROTECTION				
FIRE ALARM	COMPLETE	2015 IBC 907.2.3		
FIRE SUPPRESSION	COMPLETE	2015 IBC 9.3		
MONITORING TYPE	REMOTE SUPERVISION	2015 IBC 907.2.3		
DETA STANDARD USED	13	2015 IBC 903		
FIRE RESISTIVE RATINGS				
REQUIRED		PROVIDED		
TENANT SEPARATIONS	1 HOUR	1 HOUR	CHAPTER 4 SECTION 402.2.1	
PRIMARY STRUCTURAL FRAME	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
BEARING WALLS - EXTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
BEARING WALLS - INTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
NONBEARING WALLS & PARTITIONS - EXTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
NONBEARING WALLS & PARTITIONS - INTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
FLOORS & SECONDARY MEMBERS	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
ROOFS & SECONDARY MEMBERS	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601	
STAIR ENCLOSURES (3 STORIES)	1 HOUR	1 HOUR	CHAPTER 7 SECTION 713.4	
ELEVATOR ENCLOSURES (3 STORIES)	1 HOUR	1 HOUR	CHAPTER 7 SECTION 713.4	
SHAFT ENCLOSURES (3 STORIES)	1 HOUR	1 HOUR	CHAPTER 7 SECTION 713.4	
NON-SPRINKLERED PRIMARY ELECTRICAL ROOM	2 HOUR	2 HOUR	CHAPTER 8 SECTION 803.3.1.1.1	
ELEVATOR EQUIPMENT ROOMS	1 HOUR	1 HOUR	CHAPTER 30 SECTION 3005.4	
DESIGN OCCUPANT LOAD				
AREA		OCC LOAD FACTOR	OCCUPANT LOAD	
FIRST FLOOR (MERCANTILE)	30,400 GSF	60 GSF/OCC	507	
SECOND FLOOR (BUSINESS)	7,600 GSF	100 GSF/OCC	76	
THIRD FLOOR (ASSEMBLY)	3,300 NSF	15 NSF/OCC	220	
THIRD FLOOR (BUSINESS)	1,700 GSF	100 GSF/OCC	17	
MEANS OF EGRESS				
OCCUPANTS		STAIR WIDTH (0.3')	EXIT WIDTH (0.2')	
		REQUIRED	PROVIDED	
FIRST FLOOR	507	DOES NOT APPLY	DOES NOT APPLY	
SECOND FLOOR	76	22.8"	108"	
THIRD FLOOR	237	21.1"	108"	
EXIT TRAVEL DISTANCE				
ASSEMBLY & MERCANTILE: 250' MAXIMUM		CHAPTER 10 SECTION 1011.2		
BUSINESS: 300' MAXIMUM				
COMMON PATH OF TRAVEL				
ASSEMBLY & MERCANTILE: 75' MAXIMUM		CHAPTER 10 SECTION 1006.2.1		
BUSINESS: 150' MAXIMUM				
DEAD-END CORRIDOR				
ASSEMBLY: 20' MAXIMUM		CHAPTER 10 SECTION 1020.4		
BUSINESS & MERCANTILE: 50' MAXIMUM				
TOTAL NUMBER OF EXITS				
		REQUIRED	PROVIDED	
FIRST FLOOR	3	11		
SECOND FLOOR	2	2		
THIRD FLOOR	2	2		



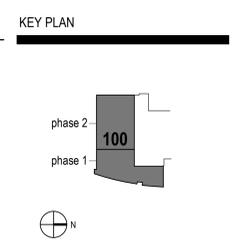
PROJECT INFORMATION

HILDALE PHASE 3 BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL



SHEET INFORMATION

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

LIFE SAFETY PLANS - PHASE 1

G101.1-1

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PROJECT INFORMATION

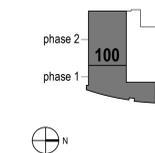
HILDALE PHASE 3 BUILDING 100

702 N. Midvale Blvd. Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



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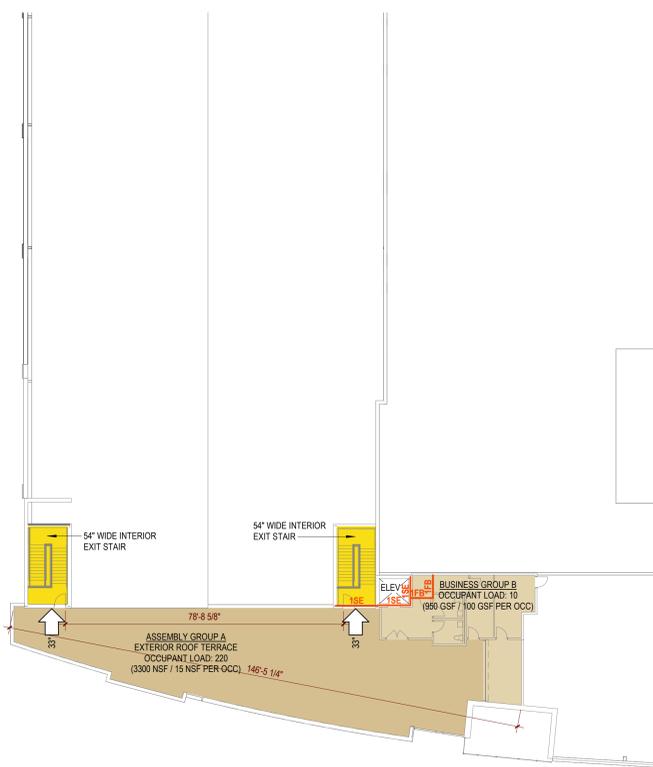
PROJECT MANAGER JP PROJECT NUMBER 719494-01

LIFE SAFETY PLANS - PHASE 2

G101.2-1

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PROJECT DATA			
OWNER			
VIS DEVELOPMENT			
LOCATION			
MUNICIPALITY:	CITY OF MADISON		
COUNTY:	DANE		
STATE:	WISCONSIN		
APPLICABLE BUILDING CODES			
DISCONSIL COMMERCIAL BUILDING CODE 2015 IBC AS MODIFIED BY CHAPTERS SPS 381.368 MAY 1, 2019			
EXISTING CONSTRUCTION CLASSIFICATION		CHAPTER 6 SECTION 602	
TYPE IIB			
OCCUPANCY GROUPS		CHAPTER 3 SECTION 302	
B (BUSINESS)			
M (MERCANTILE)			
ACCESSORY USE(S)		CHAPTER 5 SECTION 508.2	
A-3 (ASSEMBLY) MAYBE			
PROJECT TYPE			
LEVEL 2 ALTERNATION, ENTIRE PROJECT WILL COMPLY WITH IBC REQUIREMENTS			
BLDG HEIGHT		CHAPTER 5 SECTION 504.3	
OCCUPANCIES B AND M		ALLOWABLE	PROVIDED
NUMBER OF STORIES		75'	43'
		CHAPTER 4 SECTION 402.4.1.1	
BLDG GROSS AREA (SQ FT)		CHAPTER 4 SECTION 402.4.1.1	
		ALLOWABLE	AREA INCREASE
FIRST FLOOR		UNLIMITED	0
SECOND FLOOR		UNLIMITED	0
THIRD FLOOR		UNLIMITED	0
		3 (UNLIMITED AREA OPEN MALL BLDG)	
FIRE PROTECTION			
FIRE ALARM	COMPLETE	2015 IBC 907.2.3	
FIRE SUPPRESSION	COMPLETE	2015 IBC 9.3	
MONITORING TYPE	REMOTE SUPERVISION	2015 IBC 907.2.3	
NFPA STANDARD USED	13	2015 IBC 903	
FIRE RESISTIVE RATINGS			
	REQUIRED	PROVIDED	
TENANT SEPARATIONS	1 HOUR	1 HOUR	CHAPTER 4 SECTION 402.2.1
PRIMARY STRUCTURAL FRAME	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601
BEARING WALLS - EXTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601
BEARING WALLS - INTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601
NONBEARING WALLS & PARTITIONS - EXTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601
NONBEARING WALLS & PARTITIONS - INTERIOR	0 HOUR	0 HOUR	CHAPTER 6 SECTION 601
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MEANS OF EGRESS			
	OCCUPANTS	STAIR WIDTH (0.3')	EXIT WIDTH (0.2')
		REQUIRED	PROVIDED
FIRST FLOOR	507	DOES NOT APPLY	102"
SECOND FLOOR	76	22.8"	15.2"
THIRD FLOOR	237	18"	47.4"
EXIT TRAVEL DISTANCE			
ASSEMBLY & MERCANTILE: 250' MAXIMUM	CHAPTER 10 SECTION 1011.2		
BUSINESS: 300' MAXIMUM			
COMMON PATH OF TRAVEL			
ASSEMBLY & MERCANTILE: 75' MAXIMUM	CHAPTER 10 SECTION 1006.2.1		
BUSINESS: 150' MAXIMUM			
DEAD-END CORRIDOR			
ASSEMBLY: 20' MAXIMUM	CHAPTER 10 SECTION 1002.4		
BUSINESS & MERCANTILE: 50' MAXIMUM			
TOTAL NUMBER OF EXITS			
	REQUIRED	PROVIDED	
FIRST FLOOR	3	11	
SECOND FLOOR	2	2	
THIRD FLOOR	2	2	



A5 3RD FLR LIFE SAFETY PLAN - PHASE 2

LIFE SAFETY GENERAL NOTES

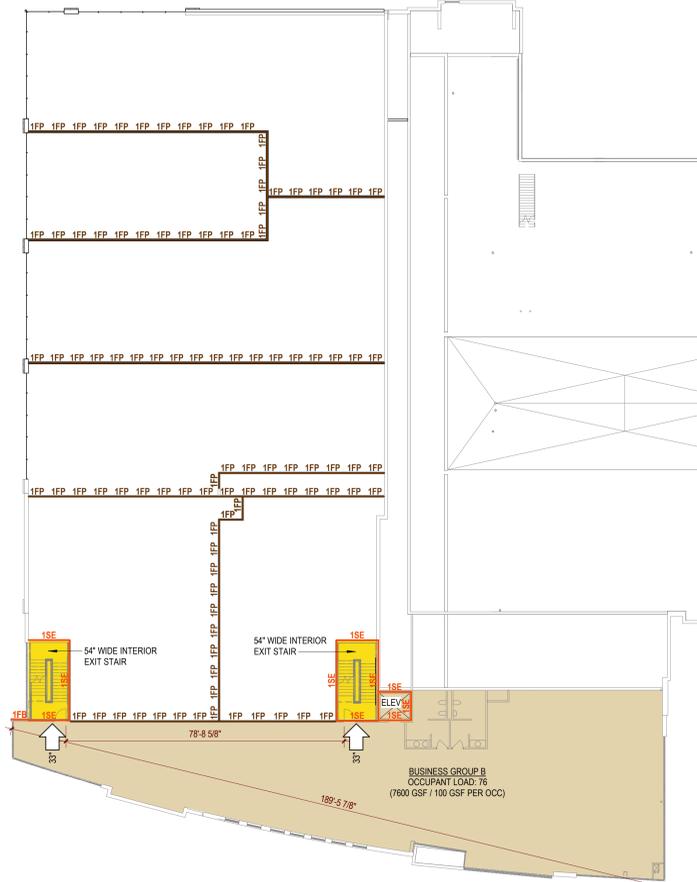
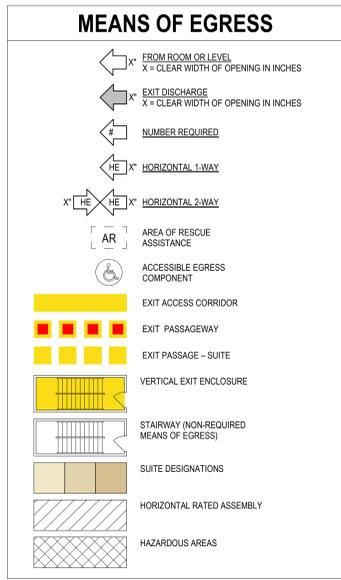
- WHEN A WALL HAS MORE THAN ONE CLASSIFICATION, THE MOST RESTRICTIVE REQUIREMENTS FOR EACH CLASSIFICATION SHALL APPLY.
- FOR NEW CONSTRUCTION, PERIMETER SMOKE-SEALS MAY BE REQUIRED AT FIRE-RATED DOORS IN CERTAIN OCCUPANCIES.

LIFE SAFETY DRAWING NOTES APPLICABLE TO EXISTING CONDITIONS

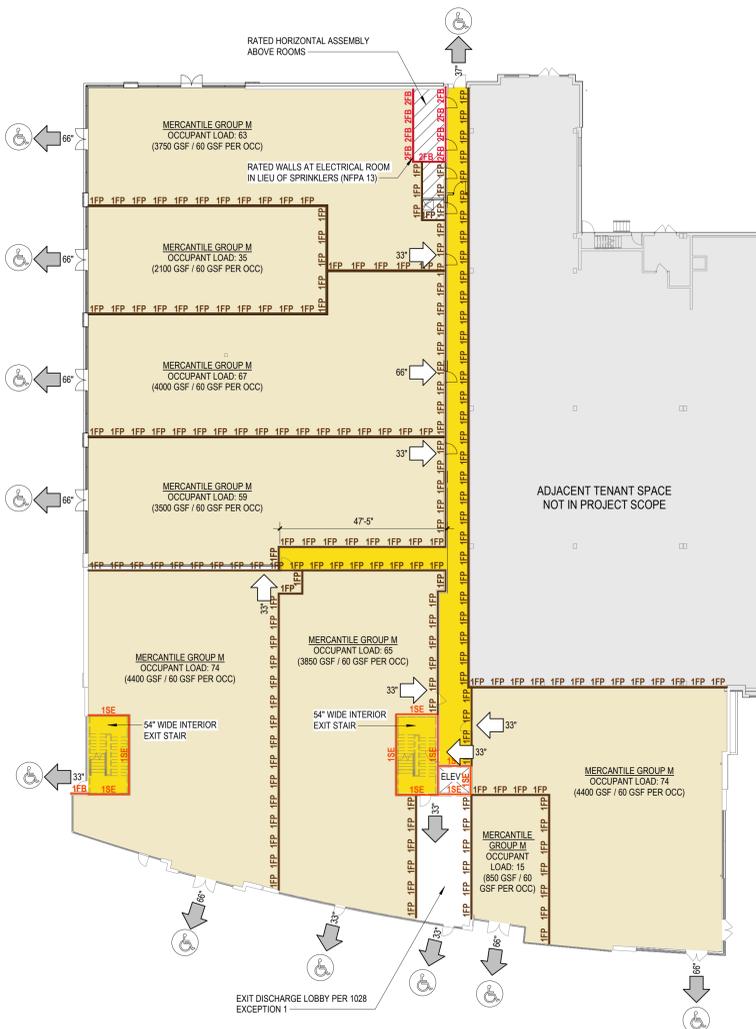
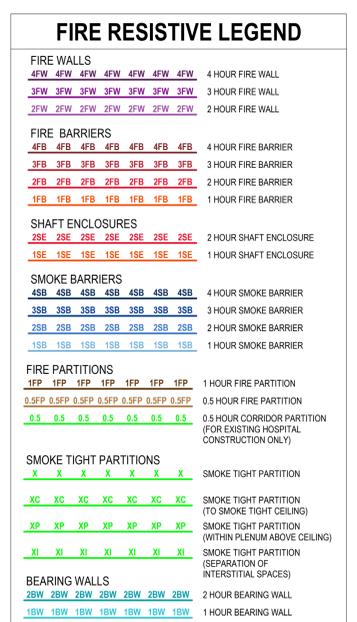
EXISTING CONDITIONS INDICATED BY THESE LIFE SAFETY PLANS ARE BASED ON INFORMATION PROVIDED AND AN ANALYSIS OF APPLICABLE CODES. IF EXISTING FIELD CONDITIONS ARE DISCOVERED TO BE DIFFERENT FROM WHAT IS INDICATED ON THESE PLANS, CONTACT THE ARCHITECT.

WITHIN LIMITS OF NEW CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FOLLOWING AND PATCH DEFICIENCIES (IF ANY ARE DISCOVERED) OF EXISTING ASSEMBLIES.

- CONTINUITY OF SPRAYED ON FIRE PROTECTION
- CONTINUITY OF FIRE RATINGS AND SMOKE-TIGHTNESS REQUIREMENTS OF FLOOR ASSEMBLIES
- WALL FIRE RATINGS AND SMOKE-TIGHTNESS REQUIREMENTS AS INDICATED BY THESE LIFE SAFETY PLANS
- FIRE STOPPING OF THROUGH PENETRATIONS
- FIRE STOPPING OF PERIMETER JOINTS



A3 2ND FLR LIFE SAFETY PLAN - PHASE 2



A1 1ST FLR LIFE SAFETY PLAN - PHASE 2

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SHEET NOTES - DEMOLITION

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PROJECT INFORMATION

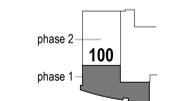
HILDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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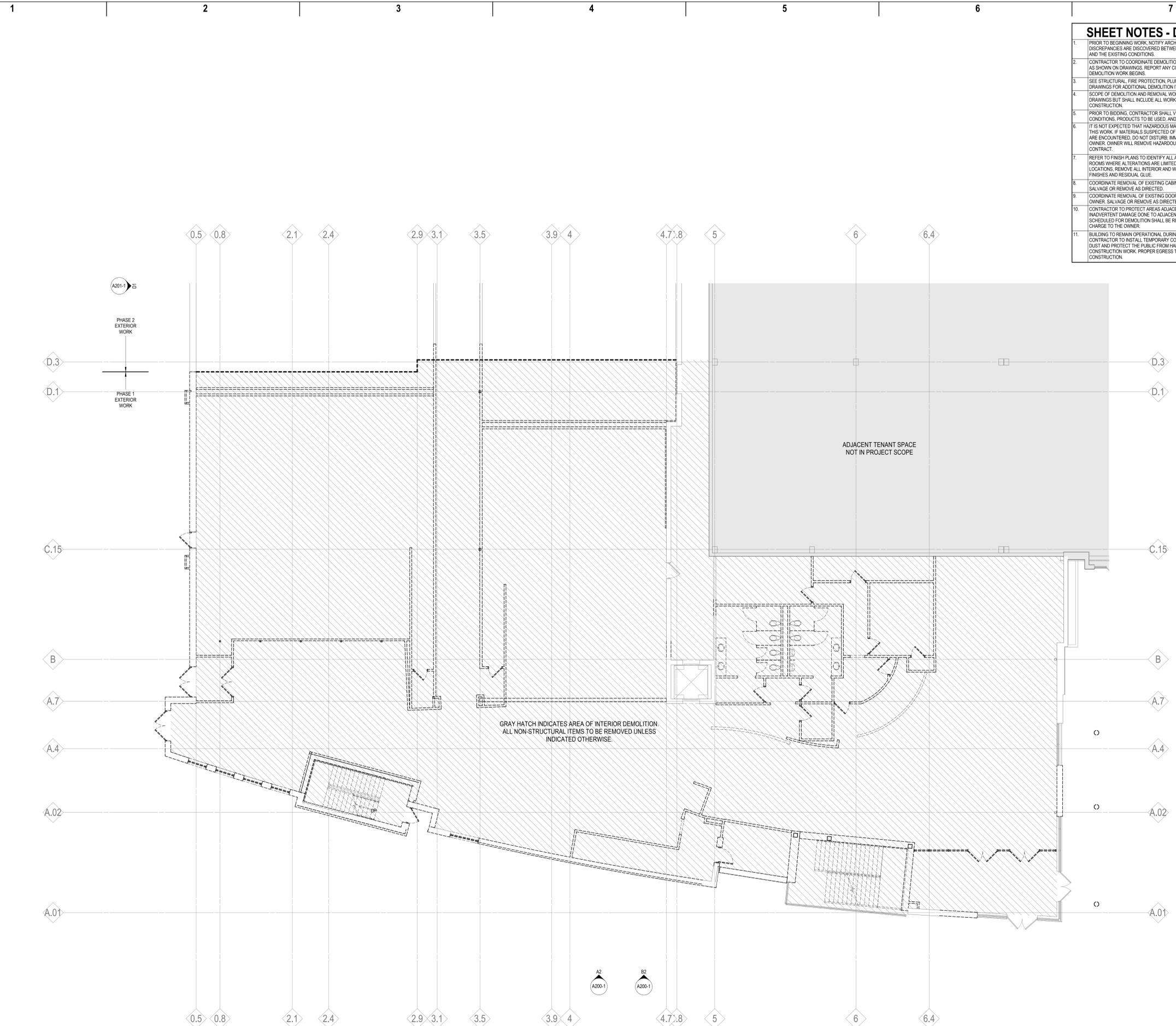
PROJECT MANAGER JP

PROJECT NUMBER 719494-01

1ST FLR
DEMOLITION PLAN -
PHASE 1

AD101.1-1

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A1 1ST FLR DEMOLITION PLAN - PHASE 1
1/8" = 1'-0"



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SHEET NOTES - DEMOLITION	
1.	PRIOR TO BEGINNING WORK, NOTIFY ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED BETWEEN THE PROPOSED SCOPE OF WORK AND THE EXISTING CONDITIONS.
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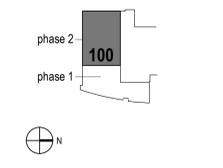
PROJECT INFORMATION
**HILLDALE PHASE 3
 BUILDING 100**

**702 N. Midvale Blvd.
 Madison, WI 53705**

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

**1ST FLR
 DEMOLITION PLAN -
 PHASE 2**

AD101.2-1
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A1 1ST FLR DEMOLITION PLAN - PHASE 2
 1/8" = 1'-0"

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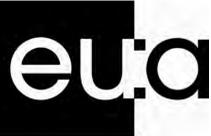
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SHEET NOTES - DEMOLITION

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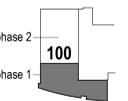
HILDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

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PROJECT NUMBER 719494-01

2ND FLR
DEMOLITION PLAN -
PHASE 1

AD102.1-1

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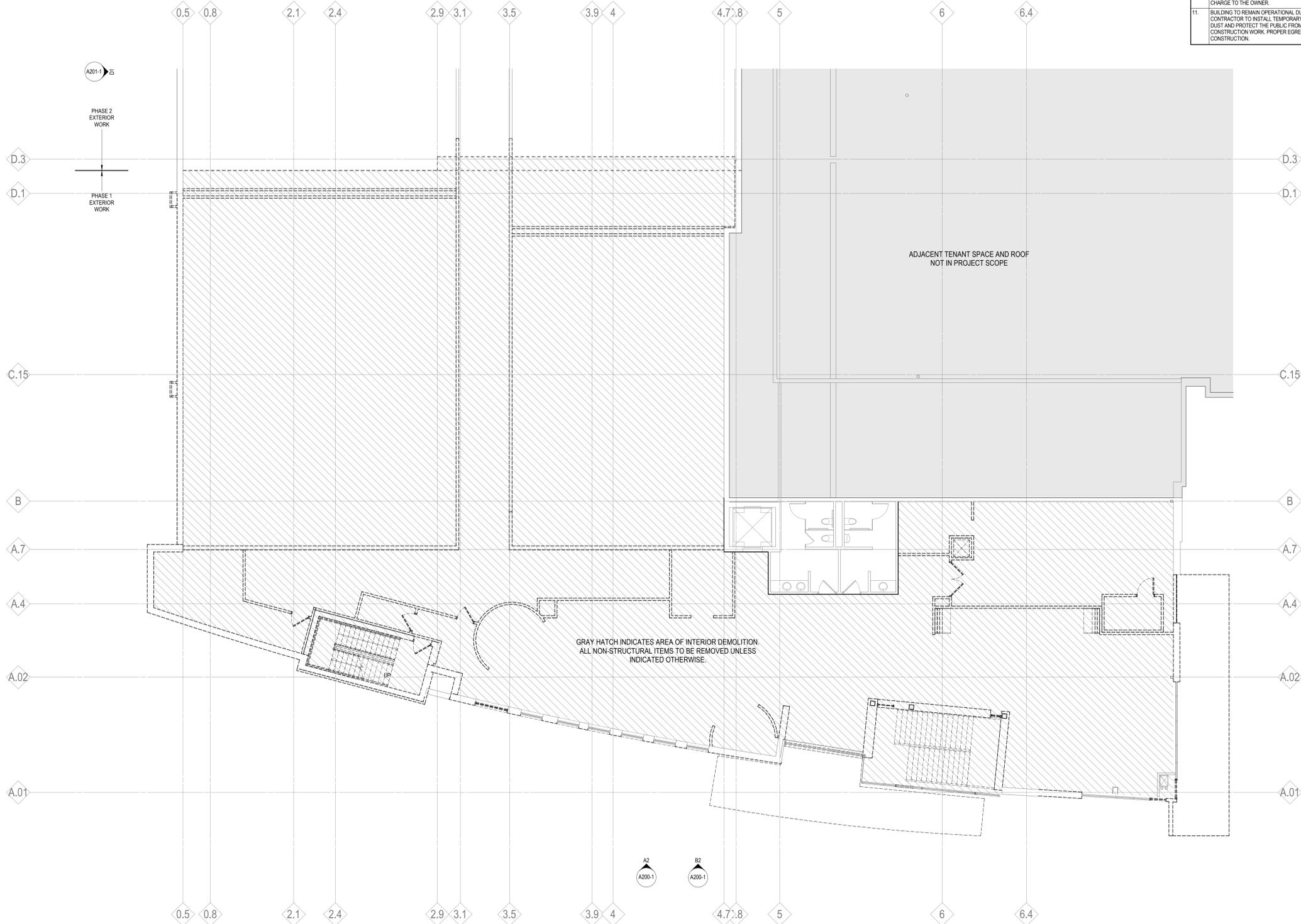
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A1 2ND FLR DEMOLITION PLAN - PHASE 1
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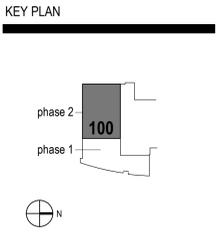
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PROJECT INFORMATION
**HILLDALE PHASE 3
 BUILDING 100**

**702 N. Midvale Blvd.
 Madison, WI 53705**

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/13/2023	CITY SUBMITTAL



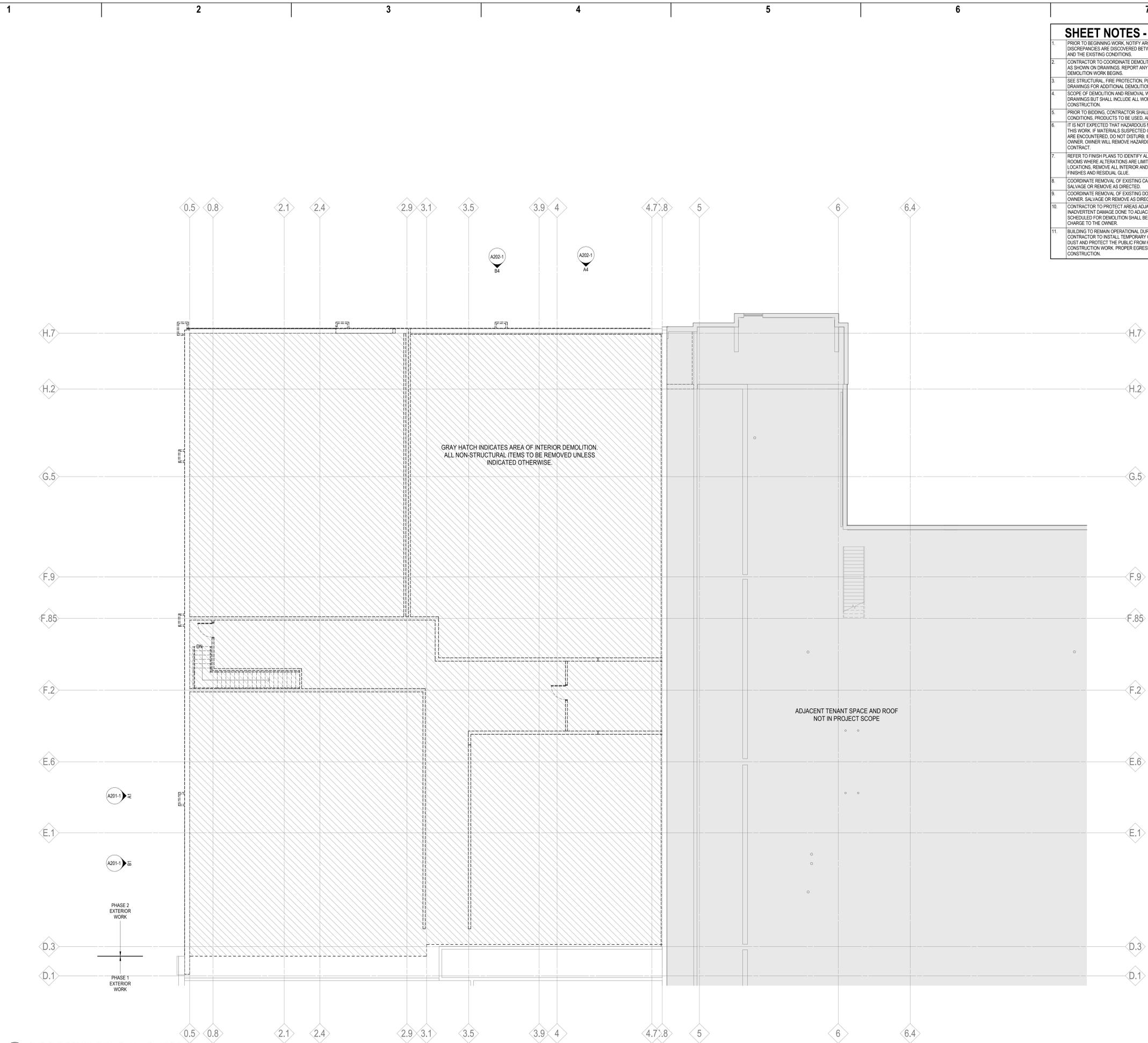
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 PROJECT NUMBER 719494-01
**2ND FLR
 DEMOLITION PLAN -
 PHASE 2**

AD102.2-1
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A1 2ND FLR DEMOLITION PLAN - PHASE 2
1/8" = 1'-0"

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SHEET NOTES - DEMOLITION

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7. REFER TO FINISH PLANS TO IDENTIFY ALL AREAS BEING ALTERED INCLUDING ROOMS WHERE ALTERATIONS ARE LIMITED TO NEW FINISHES. AT ALL ALTERED LOCATIONS, REMOVE ALL INTERIOR AND WALL MOUNTED ITEMS. REMOVE ALL FINISHES AND RESIDUAL GLUE.
8. COORDINATE REMOVAL OF EXISTING CABINETS AND CASEWORK WITH OWNER. SALVAGE OR REMOVE AS DIRECTED.
9. COORDINATE REMOVAL OF EXISTING DOORS, FRAMES AND HARDWARE WITH OWNER. SALVAGE OR REMOVE AS DIRECTED.
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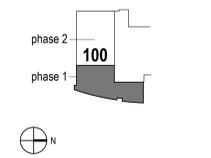
PROJECT INFORMATION
**HILDALE PHASE 3
 BUILDING 100**

702 N. Midvale Blvd.
 Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

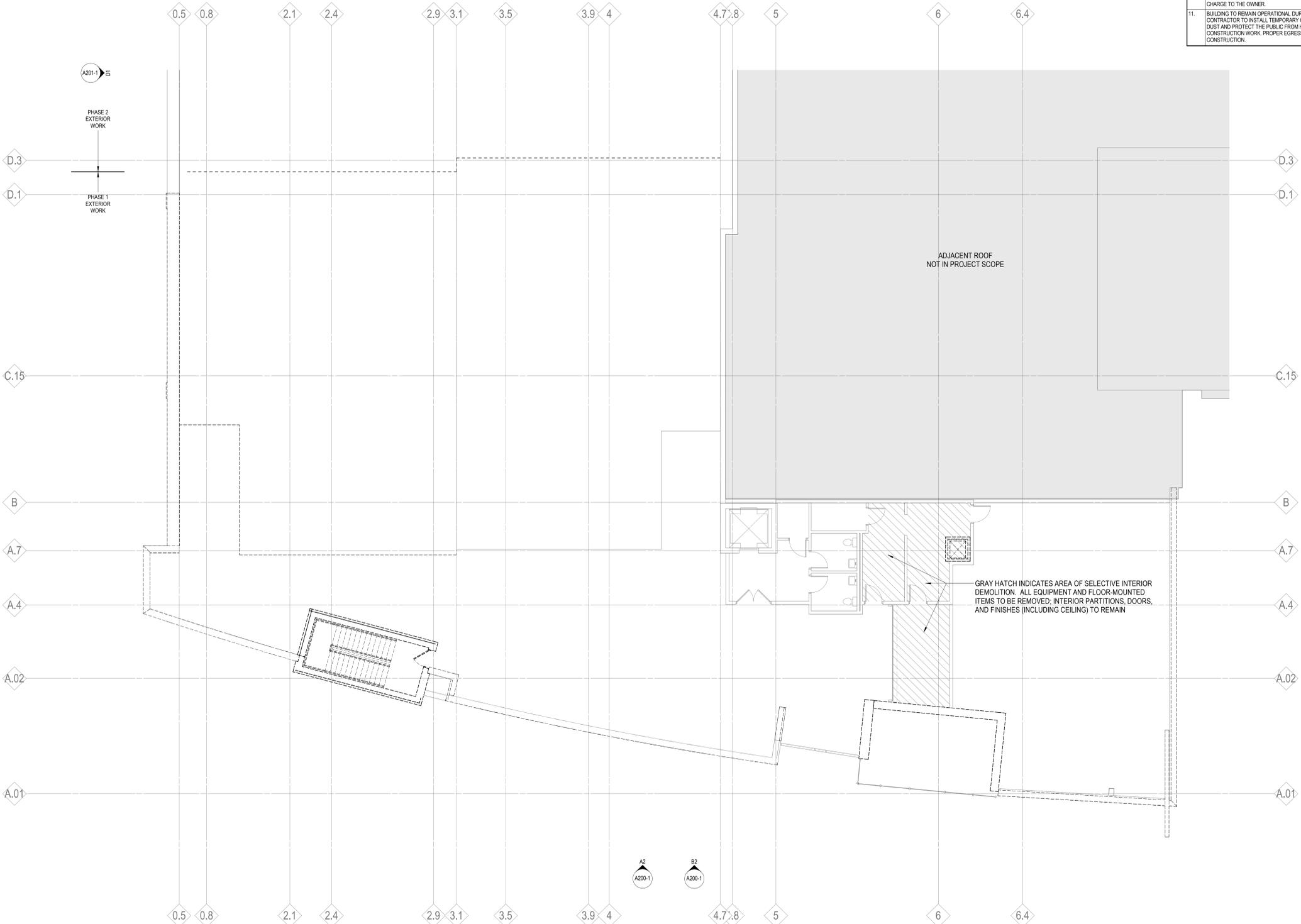
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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

3RD FLR
 DEMOLITION PLAN -
 PHASE 1

AD103.1-1

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A1 3RD FLR DEMOLITION PLAN - PHASE 1
 1/8" = 1'-0"

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SHEET NOTES - DEMOLITION

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2. CONTRACTOR TO COORDINATE DEMOLITION WORK WITH NEW CONSTRUCTION AS SHOWN ON DRAWINGS. REPORT ANY CONFLICTS TO ARCHITECT BEFORE DEMOLITION WORK BEGINS.
3. SEE STRUCTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES.
4. SCOPE OF DEMOLITION AND REMOVAL WORK SHALL NOT BE LIMITED BY THESE DRAWINGS BUT SHALL INCLUDE ALL WORK NECESSARY TO FACILITATE NEW CONSTRUCTION.
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PROJECT INFORMATION

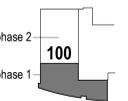
HILLDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER JP

PROJECT NUMBER 719494-01

ROOF DEMOLITION
PLAN - PHASE 1

AD104.1-1

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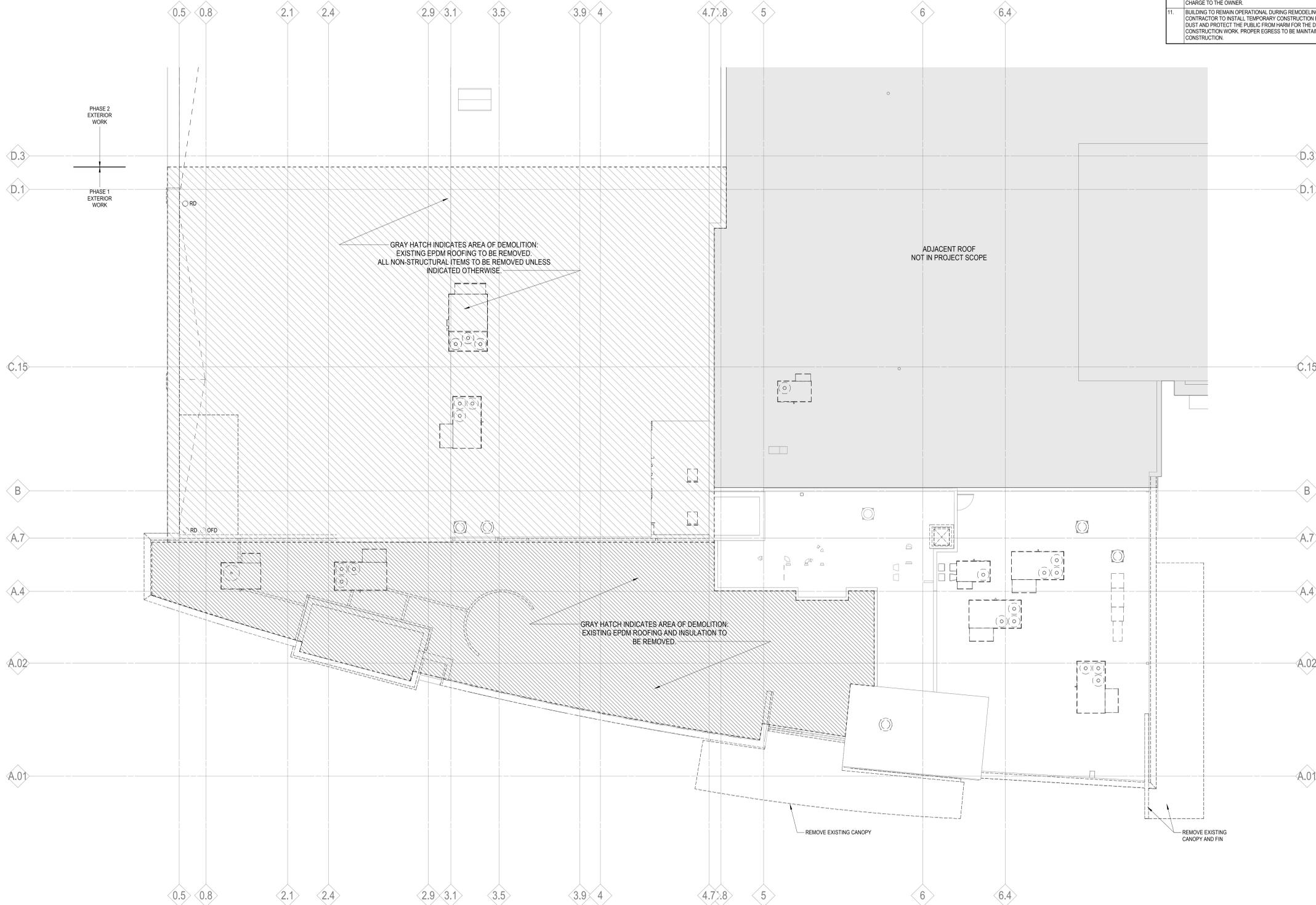
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A1 ROOF DEMOLITION PLAN - PHASE 1
1/8" = 1'-0"



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SHEET NOTES - DEMOLITION	
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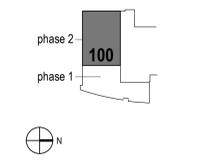
PROJECT INFORMATION
HILLDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
 Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



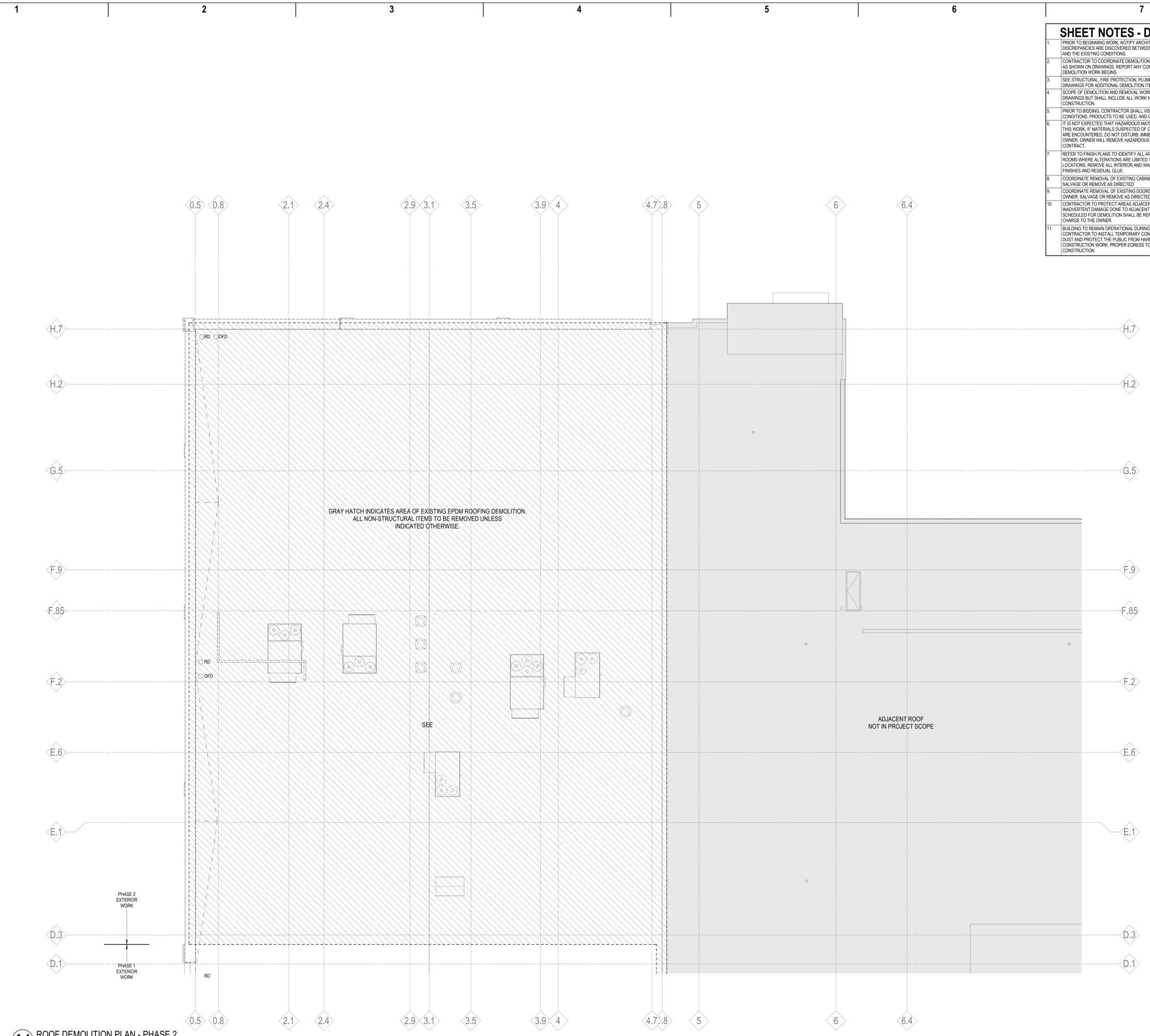
SHEET INFORMATION

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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

ROOF DEMOLITION
 PLAN - PHASE 2

AD104.2-1
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A1 ROOF DEMOLITION PLAN - PHASE 2
 1/8" = 1'-0"

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SHEET NOTES - FLOOR PLAN

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PROJECT INFORMATION

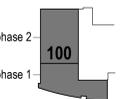
HILDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER JP
PROJECT NUMBER 719494-01

1ST FLR PLAN -
OVERALL

A101-1

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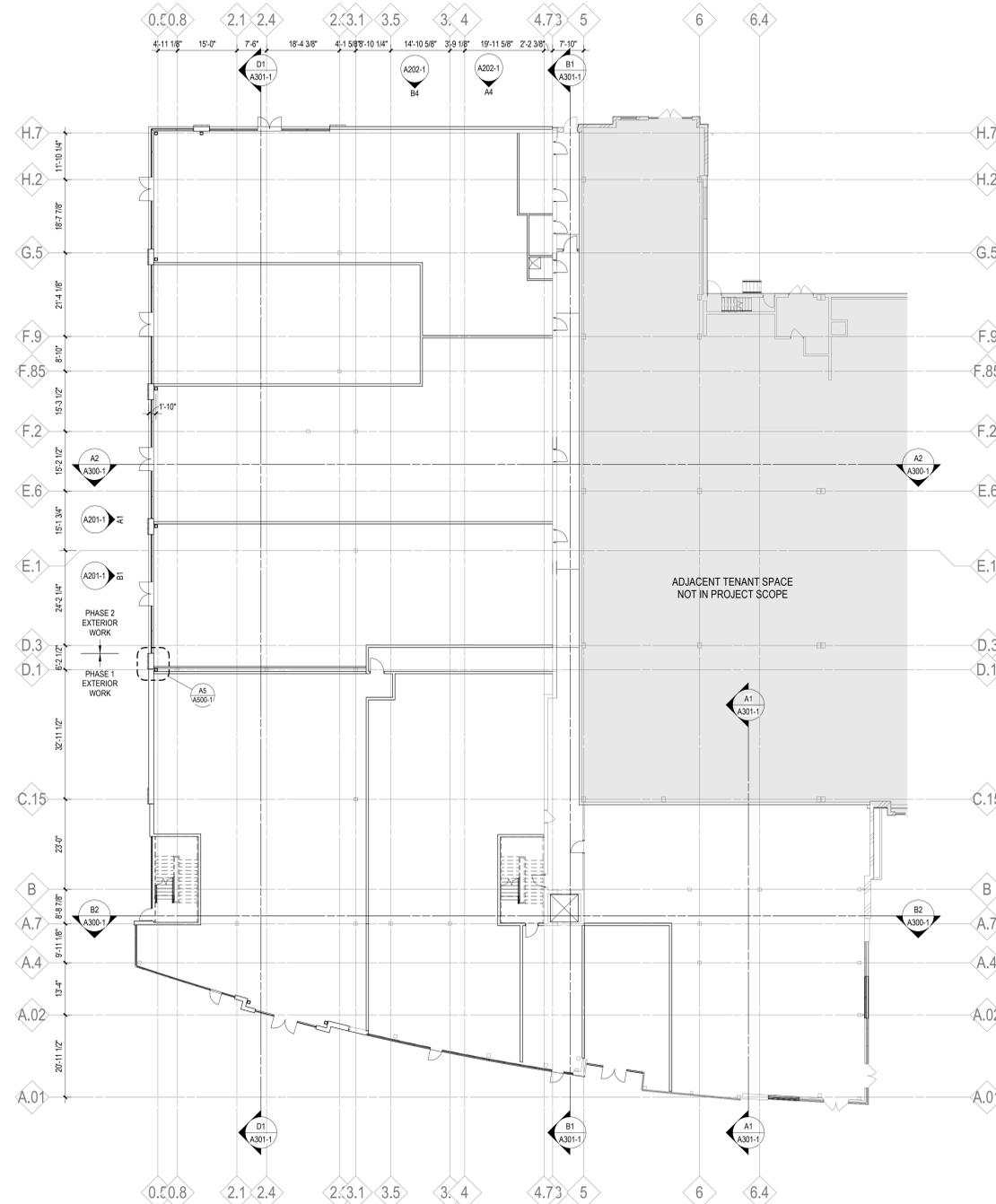
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A2 1ST FLR PLAN - OVERALL COMPLETE
1/16" = 1'-0"



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SHEET NOTES - FLOOR PLAN

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KEYNOTES PER SHEET

PROJECT INFORMATION

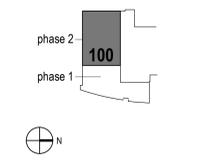
HILDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

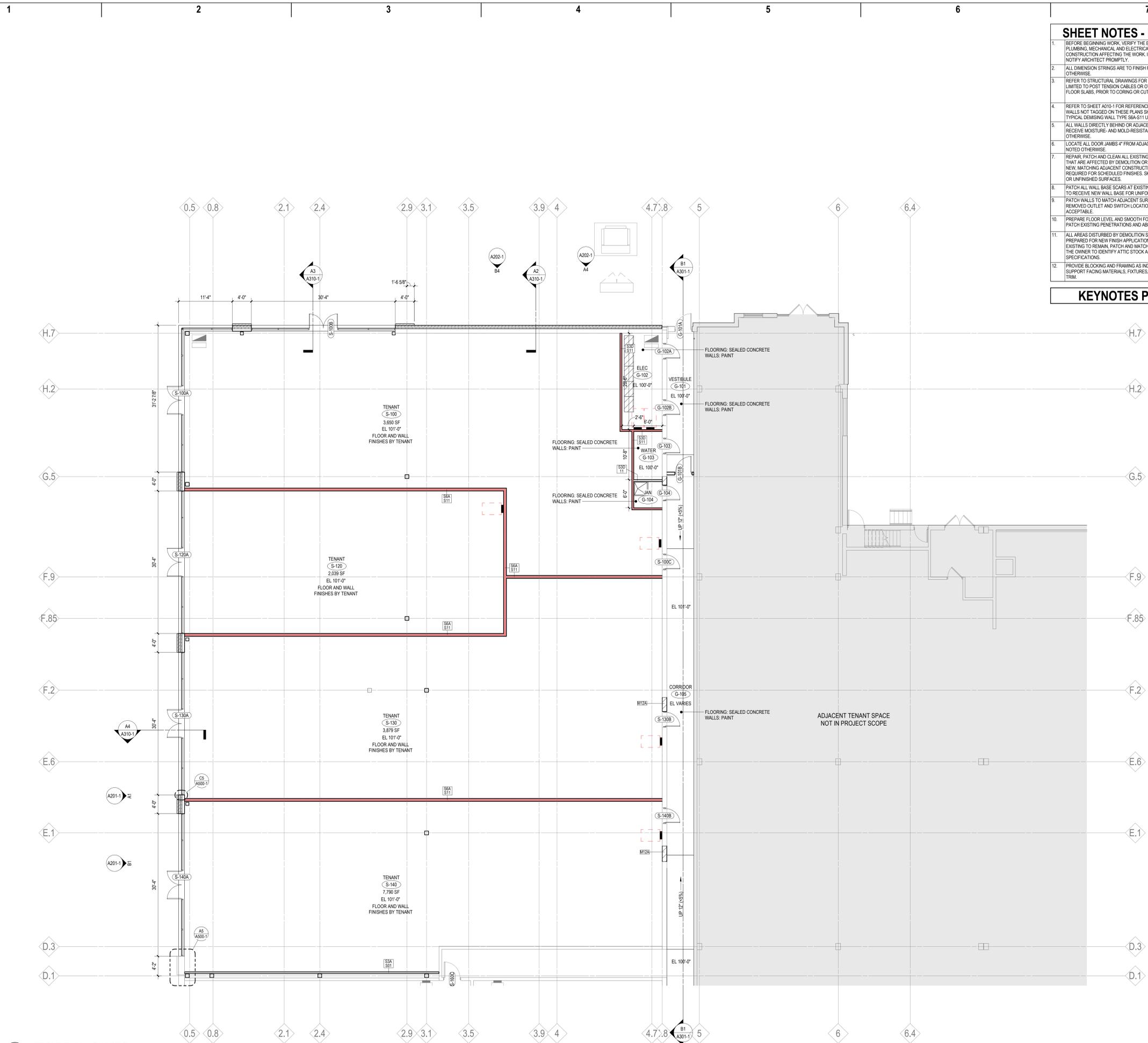
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PROJECT MANAGER JP
PROJECT NUMBER 719494-01

1ST FLR PLAN -
PHASE 2

A101.2-1

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A1 1ST FLR PLAN - PHASE 2
1/8" = 1'-0"



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SHEET NOTES - FLOOR PLAN

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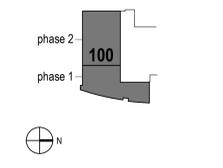
PROJECT INFORMATION
HILDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
 Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

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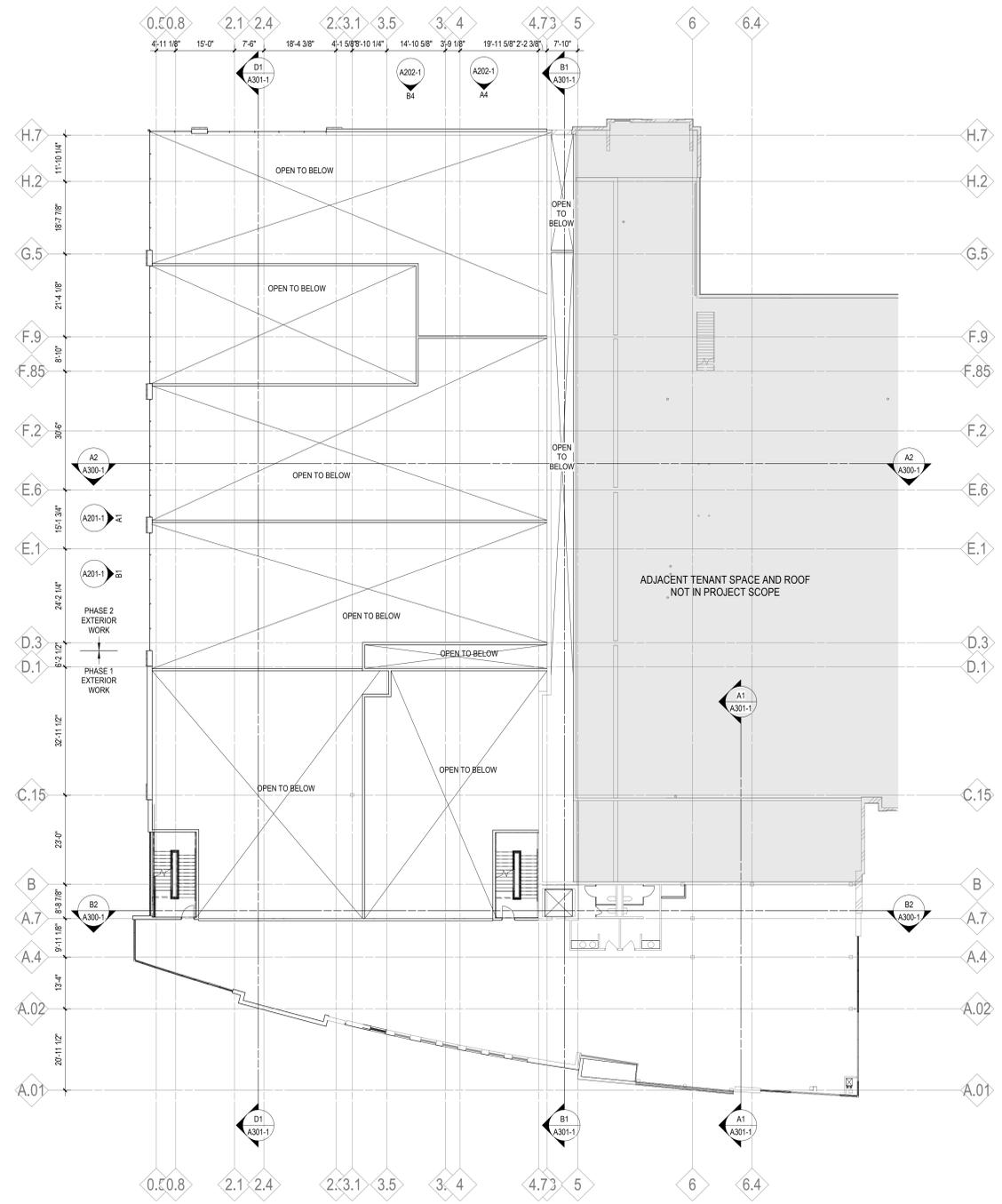
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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

2ND FLR PLAN -
 OVERALL

A102-1

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A2 2ND FLR PLAN - OVERALL COMPLETE
 1/16" = 1'-0"



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SHEET NOTES - FLOOR PLAN

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KEYNOTES PER SHEET

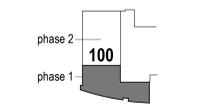
PROJECT INFORMATION
**HILDALE PHASE 3
 BUILDING 100**

702 N. Midvale Blvd.
 Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

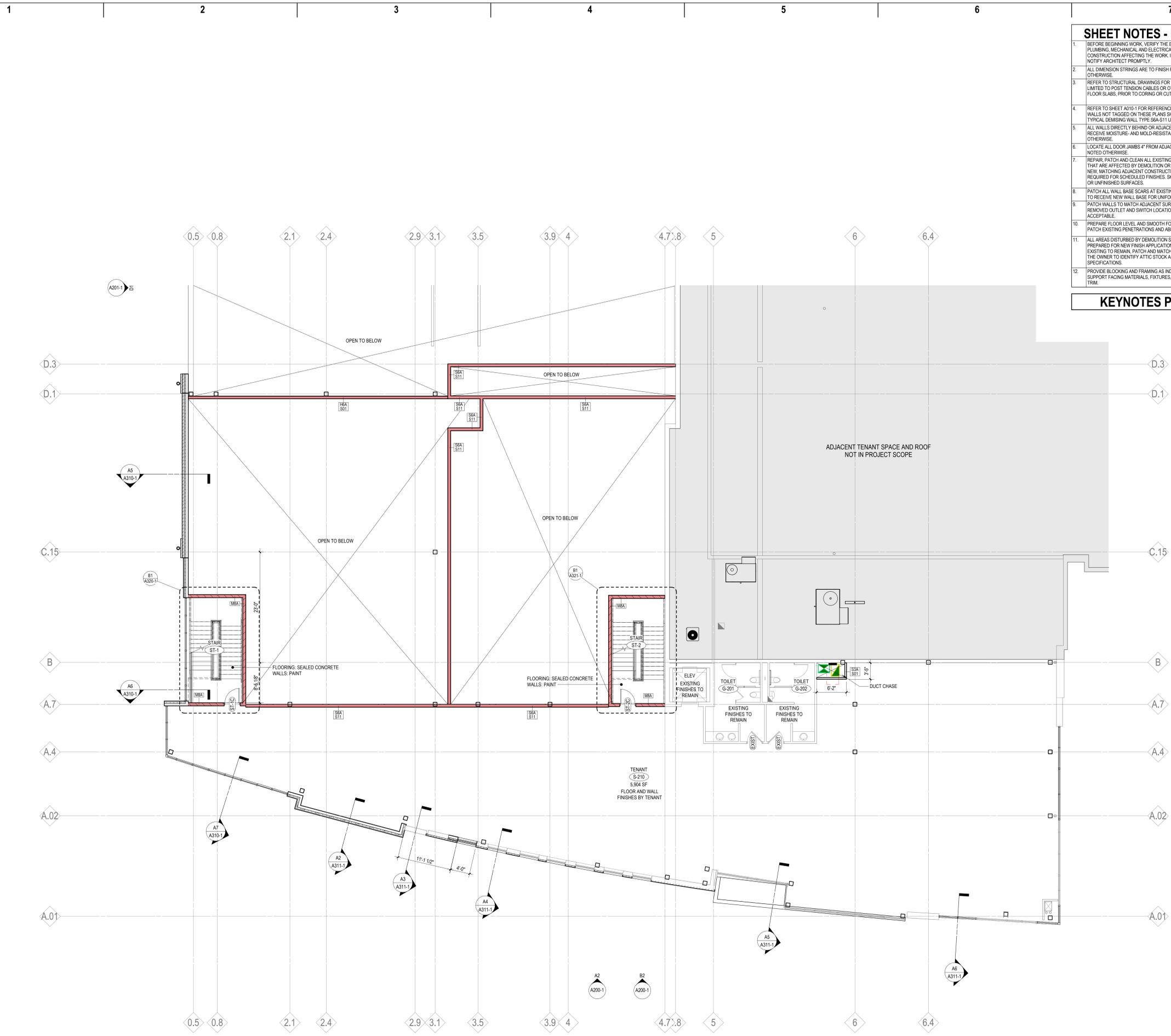
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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

2ND FLR PLAN -
 PHASE 1 EAST

A102.1E-1

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A1 2ND FLR PLAN - PHASE 1 EAST
 1/8" = 1'-0"

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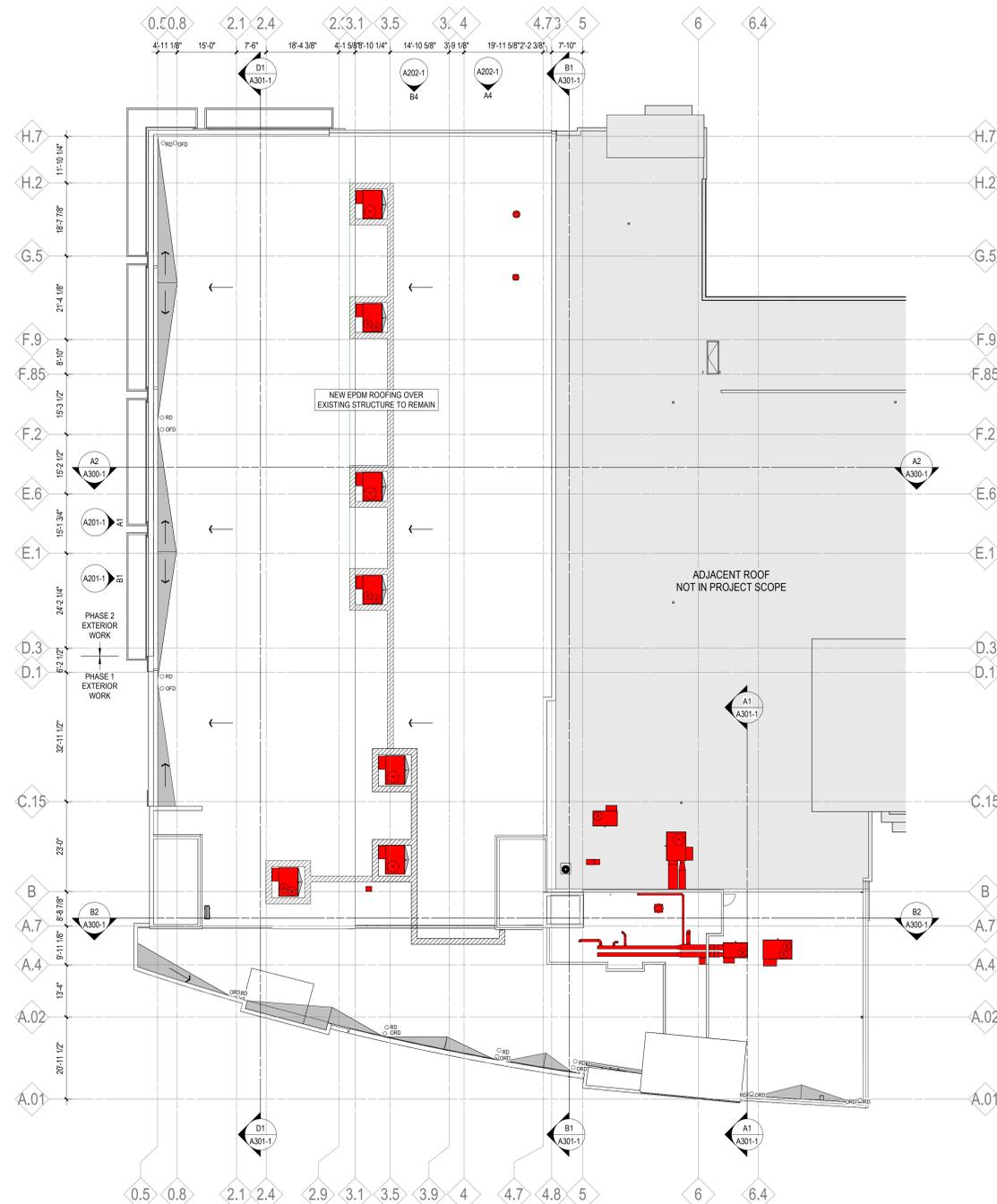
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ROOF PLAN LEGEND	
RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
	MEMBRANE ROOF PAVER
X"	INSULATION THICKNESS
	SLOPE DIRECTION OF ROOF & TAPERED INSULATION
	CRICKETS AND SADDLES
SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION	

SHEET NOTES - FLOOR PLAN	
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6.	LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
7.	REPAIR, PATCH AND CLEAN ALL EXISTING SURFACES SCHEDULED TO REMAIN THAT ARE AFFECTED BY DEMOLITION OR NEW CONSTRUCTION. MAKE APPEAR NEW MATCHING ADJACENT CONSTRUCTION. PREPARE ALL SURFACES AS REQUIRED FOR SCHEDULED FINISHES. SKIM COAT AND PREPARE ALL DAMAGED OR UNFINISHED SURFACES.
8.	PATCH ALL WALL BASE SCARS AT EXISTING WALL SURFACES. PREPARE SMOOTH TO RECEIVE NEW WALL BASE FOR UNIFORM APPEARANCE.
9.	PATCH WALLS TO MATCH ADJACENT SURFACES AT ALL ABANDONED OR REMOVED OUTLET AND SWITCH LOCATIONS. BLANK COVER PLATES ARE NOT ACCEPTABLE.
10.	PREPARE FLOOR LEVEL AND SMOOTH FOR NEW HARD SURFACE FINISHES. PATCH EXISTING PENETRATIONS AND ABNORMALITIES IN CONCRETE FLOOR.
11.	ALL AREAS DISTURBED BY DEMOLITION SHALL BE PATCHED AND PROPERLY PREPARED FOR NEW FINISH APPLICATIONS. WHERE ADJACENT FINISHES ARE EXISTING TO REMAIN, PATCH AND MATCH EXISTING FINISHES. CONSULT WITH THE OWNER TO IDENTIFY ATTIC STOCK AND/OR PREVIOUS MATERIAL SPECIFICATIONS.
12.	PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, MILLWORK AND TRIM.

KEYNOTES PER SHEET



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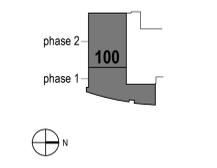
PROJECT INFORMATION
HILLDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
 Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION
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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

ROOF PLAN - OVERALL

A104-1

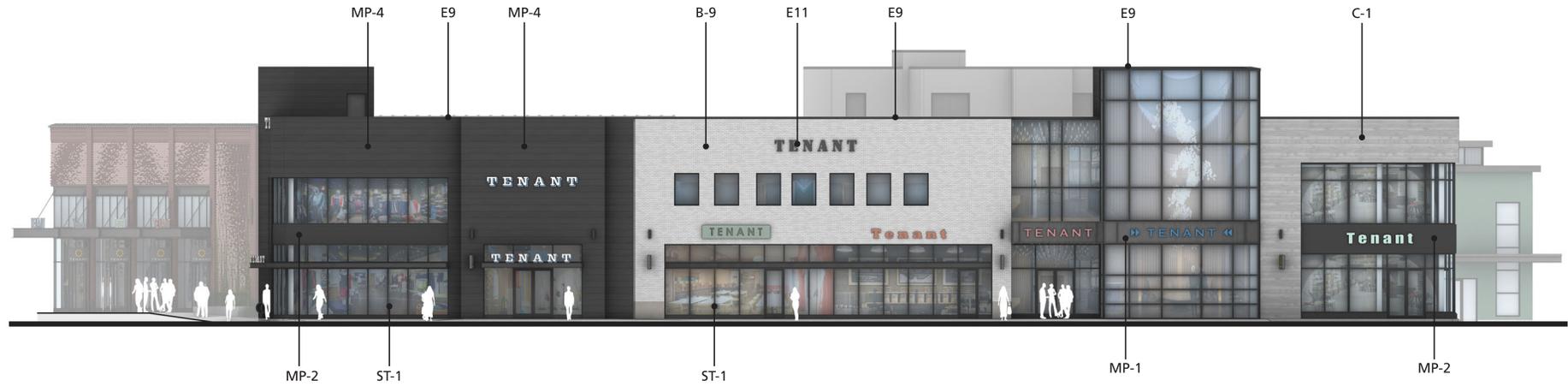
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A2 ROOF PLAN - OVERALL COMPLETE
 1/16" = 1'-0"

BUILDING 100 Annotated Building Elevations

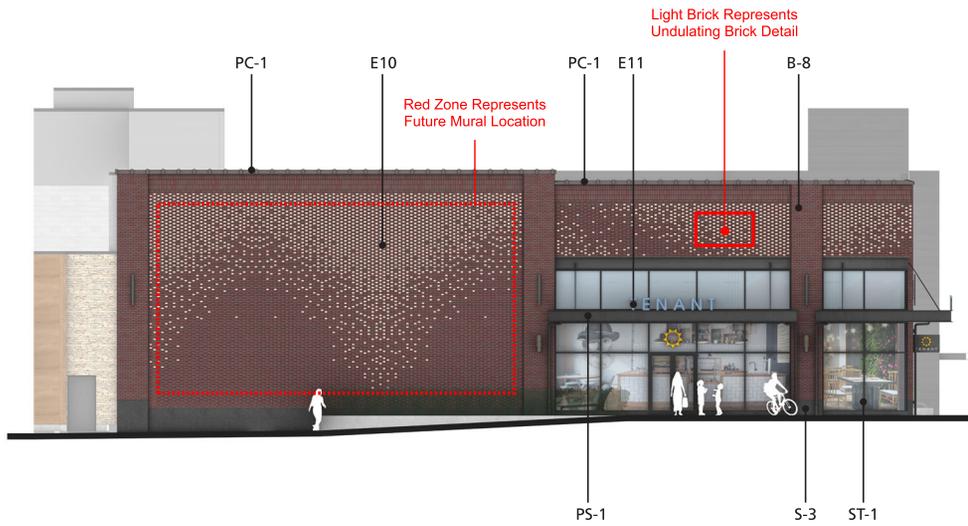


BUILDING 100 South Elevation



BUILDING 100 East Elevation

BUILDING 100 Annotated Building Elevations



BUILDING 100 West Elevation



BUILDING 100 North Elevation

BUILDING 100 Views from Site



BUILDING 100 View from Parking Lot (Future Dev. Location)

BUILDING 100 Views from Site



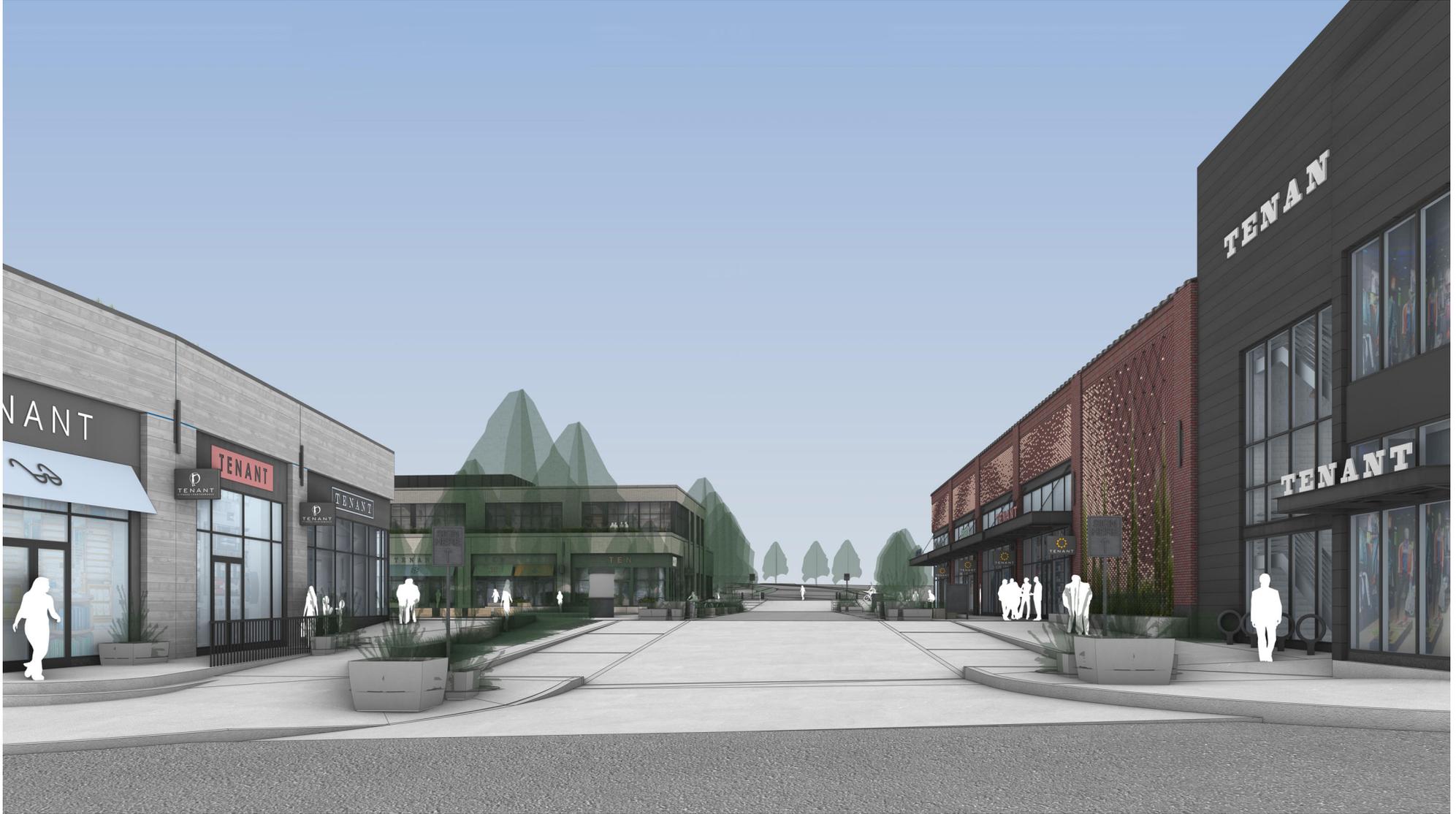
BUILDING 100 View from Kelab Drive

BUILDING 100 Views from Site



BUILDING 100 View of South Facing Canopy

BUILDING 100 Views from Site



BUILDING 100 View from Price Place at Kelab Drive

BUILDING 100 Views from Site



BUILDING 100 View from Price Place at Kelab Drive

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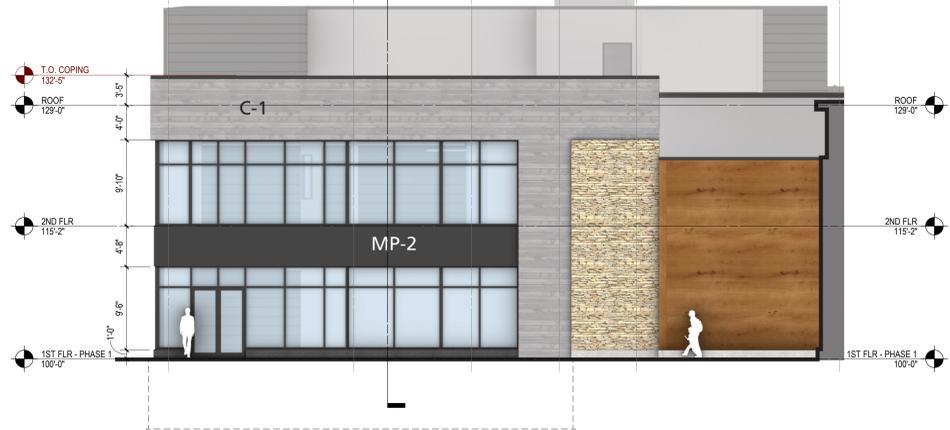
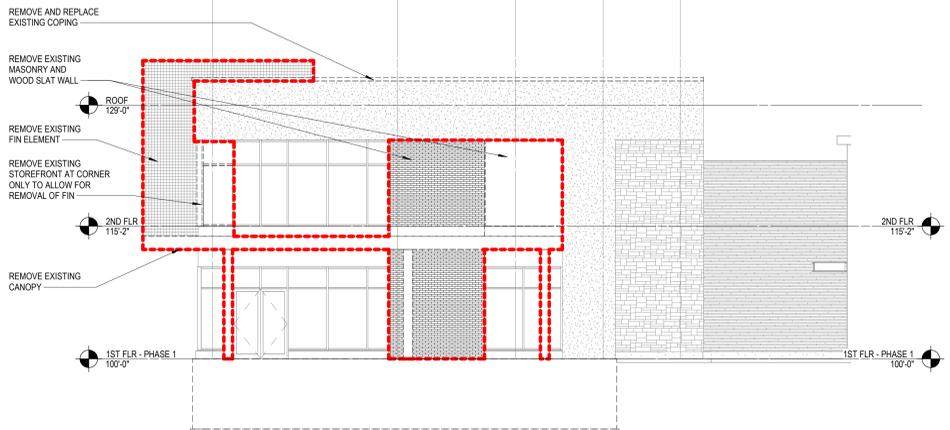
EXTERIOR MATERIALS	
B-8	MASONRY FACE BRICK
B-9	EXISTING MASONRY - PAINTED
C-1	BOARD FORMED PRECAST CONCRETE PANELS
GW-1	GREEN WALL CABLE SYSTEM
MP-1	METAL PANEL ACM
MP-2	METAL PANEL ZINC COMPOSITE PANEL
MP-4	METAL PANEL PANELS WITH CONCEALED FASTENERS
PC-1	PARAPET WALL COPING
PS-1	PAINTED STEEL
S-3	STONE
ST-1	METAL STOREFRONT
E9	PAINTED METAL PARAPET CAPS (COLOR MATCHED TO MP-1 FACADE PANELS)
E10	PAINTED BRICK ENDS, FLUSH BOND BRICK PATTERN
E11	CANOPY SIGNAGE PAINTED BY TENANT



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E

E



D1 NORTH ELEVATION - DEMOLITION - PHASE 1
1/8" = 1'-0"

D4 NORTH ELEVATION - NEW
1/8" = 1'-0"

PROJECT INFORMATION
**HILLDALE PHASE 3
BUILDING 100**

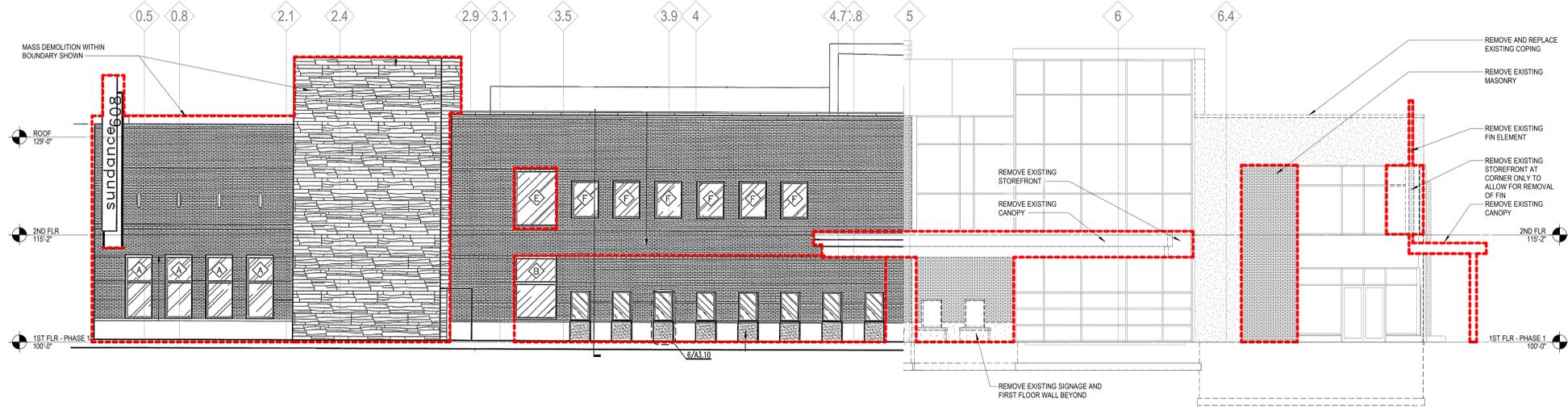
D 702 N. Midvale Blvd.
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

C

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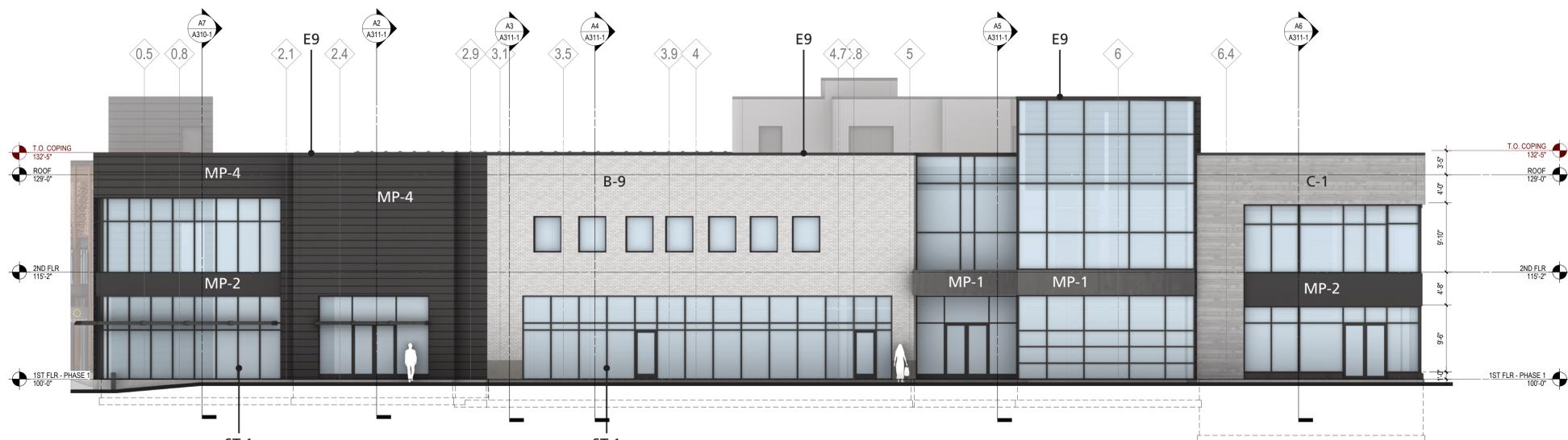


B2 EAST ELEVATION - DEMOLITION - PHASE 1
1/8" = 1'-0"

KEY PLAN

B

B



A2 EAST ELEVATION - NEW
1/8" = 1'-0"

SHEET INFORMATION

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PROJECT MANAGER JP
PROJECT NUMBER 719494-01

EXTERIOR ELEVATIONS

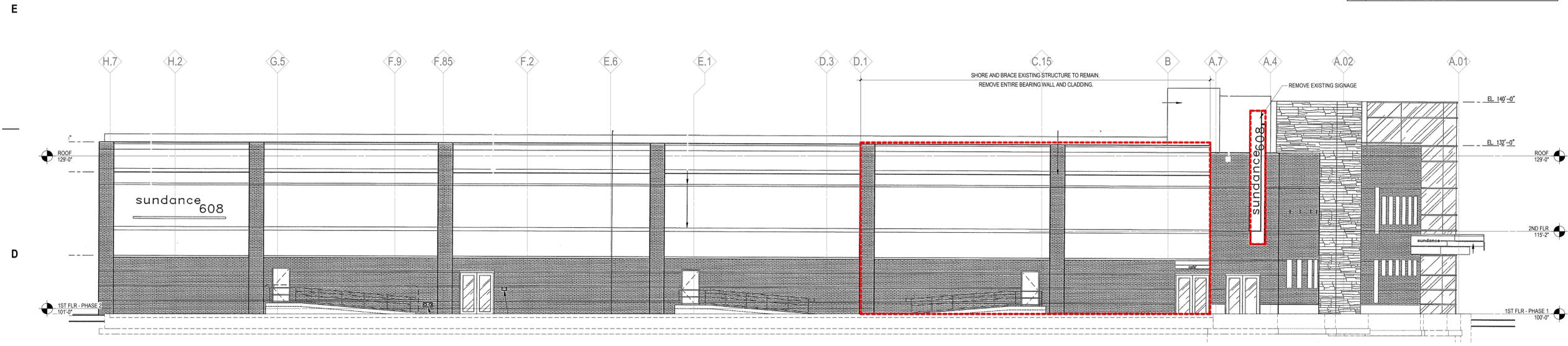
A200-1

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EXTERIOR MATERIALS	
B-8	MASONRY FACE BRICK
B-9	EXISTING MASONRY - PAINTED
C-1	BOARD FORMED PRECAST CONCRETE PANELS
GW-1	GREEN WALL CABLE SYSTEM
MP-1	METAL PANEL ACM
MP-2	METAL PANEL ZINC COMPOSITE PANEL
MP-4	METAL PANEL PANELS WITH CONCEALED FASTENERS
PC-1	METAL PARAPET WALL COPING
PS-1	PAINTED STEEL
S-3	STONE
ST-1	METAL STOREFRONT
E9	PAINTED METAL PARAPET CAPS (COLOR MATCHED TO MP-1 FACADE PANELS)
E10	PAINTED BRICK (NO. 6) FLUSH BOND BRICK PATTERN
E11	CANOPY SIGNAGE PAINTED BY TENANT



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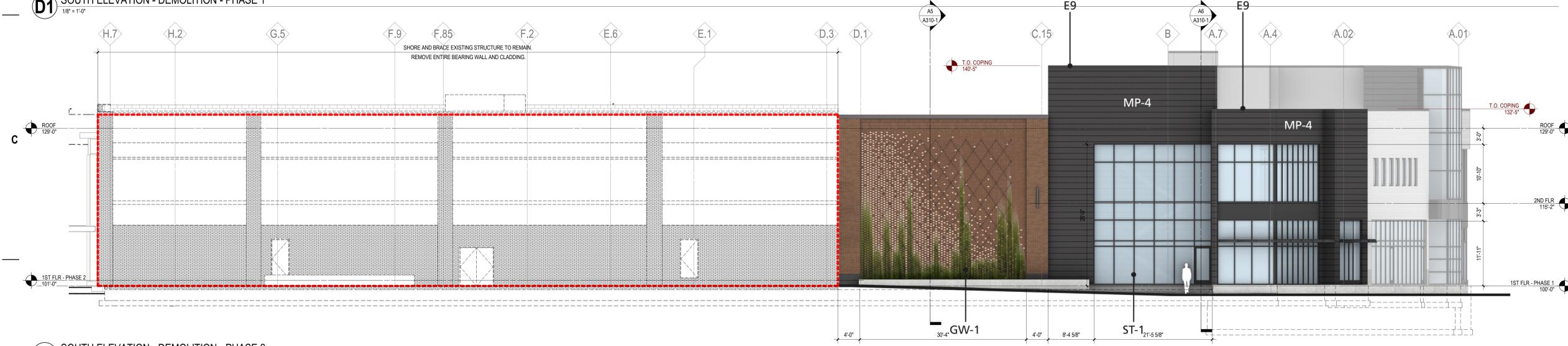
D1 SOUTH ELEVATION - DEMOLITION - PHASE 1
1/8" = 1'-0"

PROJECT INFORMATION
**HILDALE PHASE 3
BUILDING 100**

**702 N. Midvale Blvd.
Madison, WI 53705**

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL



B1 SOUTH ELEVATION - DEMOLITION - PHASE 2
1/8" = 1'-0"

KEY PLAN



A1 SOUTH ELEVATION - NEW - COMPLETE
1/8" = 1'-0"

SHEET INFORMATION

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PROJECT MANAGER JP
PROJECT NUMBER 719494-01

EXTERIOR ELEVATIONS

A201-1

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EXTERIOR MATERIALS	
B-8	MASONRY FACE BRICK
B-9	EXISTING MASONRY - PAINTED
C-1	BOARD FORMED PRECAST CONCRETE PANELS
GW-1	GREEN WALL CABLE SYSTEM
MP-1	METAL PANEL ACM
MP-2	METAL PANEL ZINC COMPOSITE PANEL
MP-4	METAL PANEL PANELS WITH CONCEALED FASTENERS
PC-1	METAL PARAPET WALL COPING
PS-1	PAINTED STEEL
S-3	STONE
ST-1	METAL STOREFRONT
E9	PAINTED METAL PARAPET CAPS (COLOR MATCHED TO MP-1 FACADE PANELS)
E10	PAINTED BRICK ENDS, FLEMISH BOND BRICK PATTERN
E11	CANOPY SIGNAGE PAINTED BY TENANT



milwaukee | madison | green bay | denver | atlanta

E

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C

B

B

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PROJECT INFORMATION

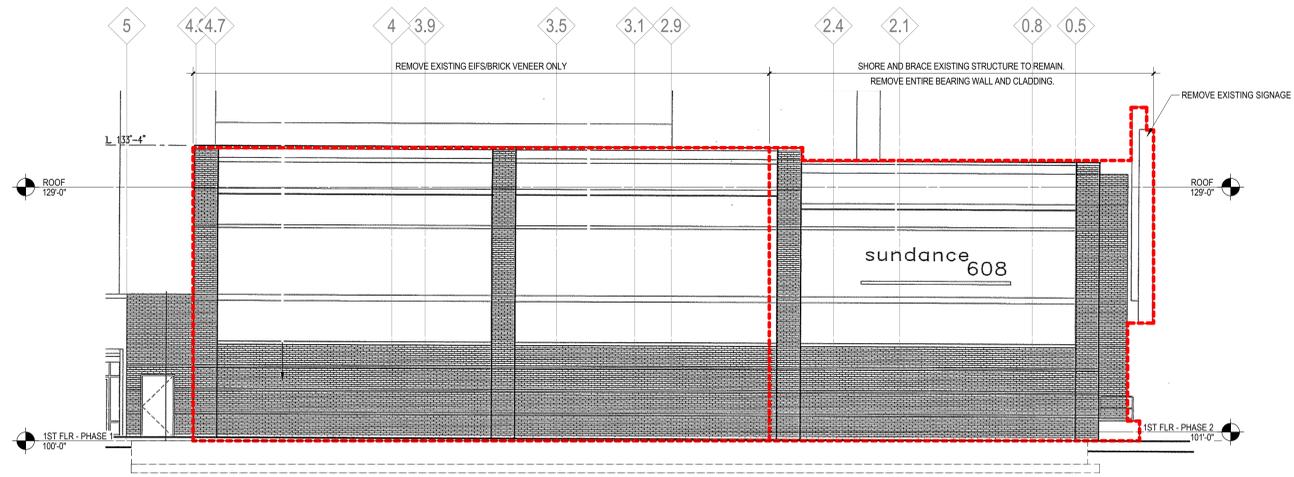
HILLDALE PHASE 3
BUILDING 100

702 N. Midvale Blvd.
Madison, WI 53705

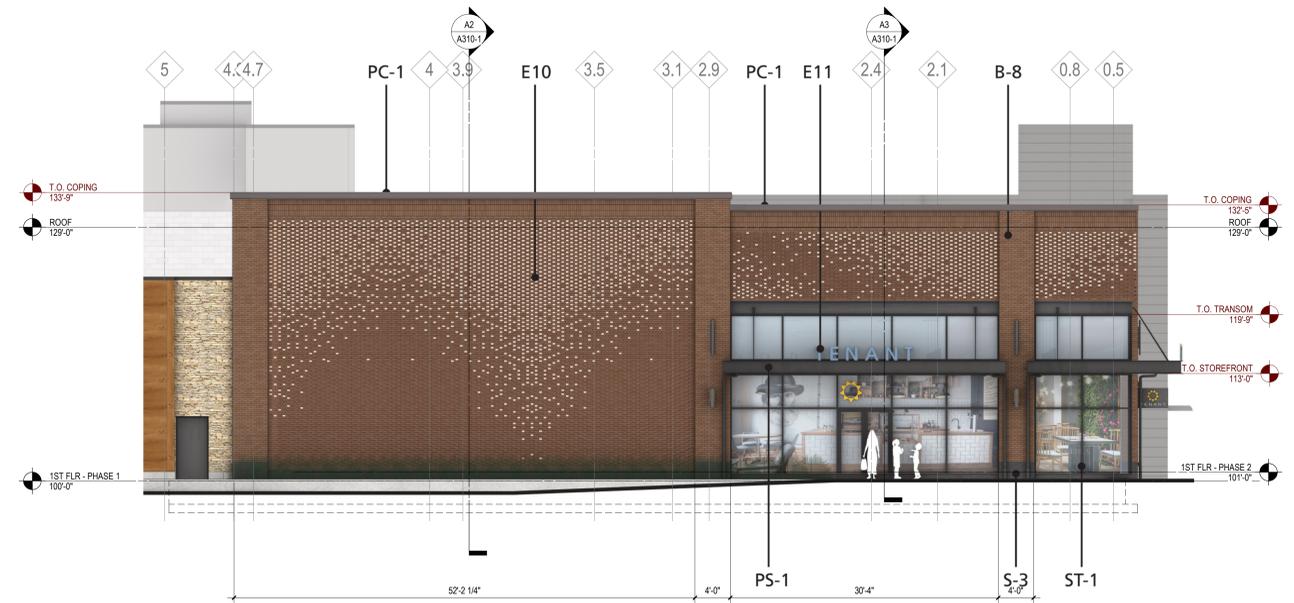
ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN



B4 WEST ELEVATION - DEMOLITION - PHASE 2
1/8" = 1'-0"



A4 WEST ELEVATION - NEW
1/8" = 1'-0"

SHEET INFORMATION

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PROJECT MANAGER JP
PROJECT NUMBER 719494-01

EXTERIOR ELEVATIONS

A202-1

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SHRUBS	
	BUXUS 'GREEN VELVET' "GREEN VELVET" BOXWOOD - SIZE: 18-24" - CONDITION: B+B - NATURAL FORM
PERENNIALS + GRASSES	
	BOUTELOUA GRACILIS "BLONDE AMBITION" GRASS - SIZE: NO. 2 CONT. - MATCHED SOURCE
GROUND COVERS + VINES	
	PARTHENOCCISSUS TRICUSPIDATA 'VEITCHII' BOSTON IVY - SIZE: NO. 2 CONT. - SPACING: AS SHOWN

REALM
COLLABORATIVE

100 E BROAD STREET
SUITE 1710
COLUMBUS, OHIO 43215
PHONE 614.670.7390
www.REALMCOLLABORATIVE.com

PROJECT INFORMATION

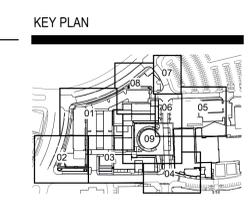
WS Hilldale Phase 3

HILLDALE
MADISON

702 N Midvale Blvd
Madison, WI 53705

ISSUANCE AND REVISIONS

03/13/2023	CITY SUBMITTAL
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SHEET INFORMATION

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PROJECT MANAGER Author

PROJECT NUMBER 2021-03

BLDG 100
LANDSCAPE PLAN

L174B

SCALE: 1" = 10'-0"

TO OBTAIN LOCATION OF
UTILITIES (UNDERGROUND)
PLEASE REFER TO SHEET
PAGE 18 (SECTION)

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WE REQUIRE 48 HOURS NOTICE BEFORE YOU DIG ANY

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EXTERIOR LUMINAIRE SCHEDULE															
TAG	DESCRIPTION	FIXTURE			DISTRIBUTION TYPE	COLOR TEMP	MANUFACTURER	MODEL #	FIXTURES PER POLE	TOTAL WATTS	BASE ABOVE GRADE	POLE ASSEMBLY			
		LUMENS	WATTS	LAMP TYPE								HEIGHT ABOVE GRADE	HEIGHT ABOVE GRADE	MANUFACTURER	MODEL #
L1	LED SINGLE HEAD PARKING POLE MOUNTED FIXTURE	7,000	62	LED	TYPE 3	3000	SELUX	SACL-R3-5G700-30K-18-BK-UNV-DS	1	62	0'-0"	18'-0"	18'-0"	SELUX	A35-14-BK-BC5
L6	LED BOLLARD FIXTURE	424	40	LED		3000	FORMS+SURFACE S	HELIO SERIES 600							
LE-1	LED EXTERIOR DOWNLIGHT	600	9	LED		2700	JUNO	IC1LED-G4-06LM-27K-90CRI							
SL-1	LED EXTERIOR SCOFF	1,124	15	LED		3000	EUREKA	3450-LED-HO-30-27V-DV-BLKE							
SL-3	LED EXTERIOR CYLINDER	2,400	30	LED		3000	ALCON	11240-2-BK (NO UP LIGHT)							

SITE ILLUMINANCE RESULTS					
Calculation Points Name	Average	Maximum	Minimum	Avg/Min	Max/Min
KELAB DRIVE	2.1 fc	3.4 fc	0.6 fc	3.4	5.5
BLDG 100 PED WALKWAY	1.6 fc	4.2 fc	0.4 fc	4.0	10.7

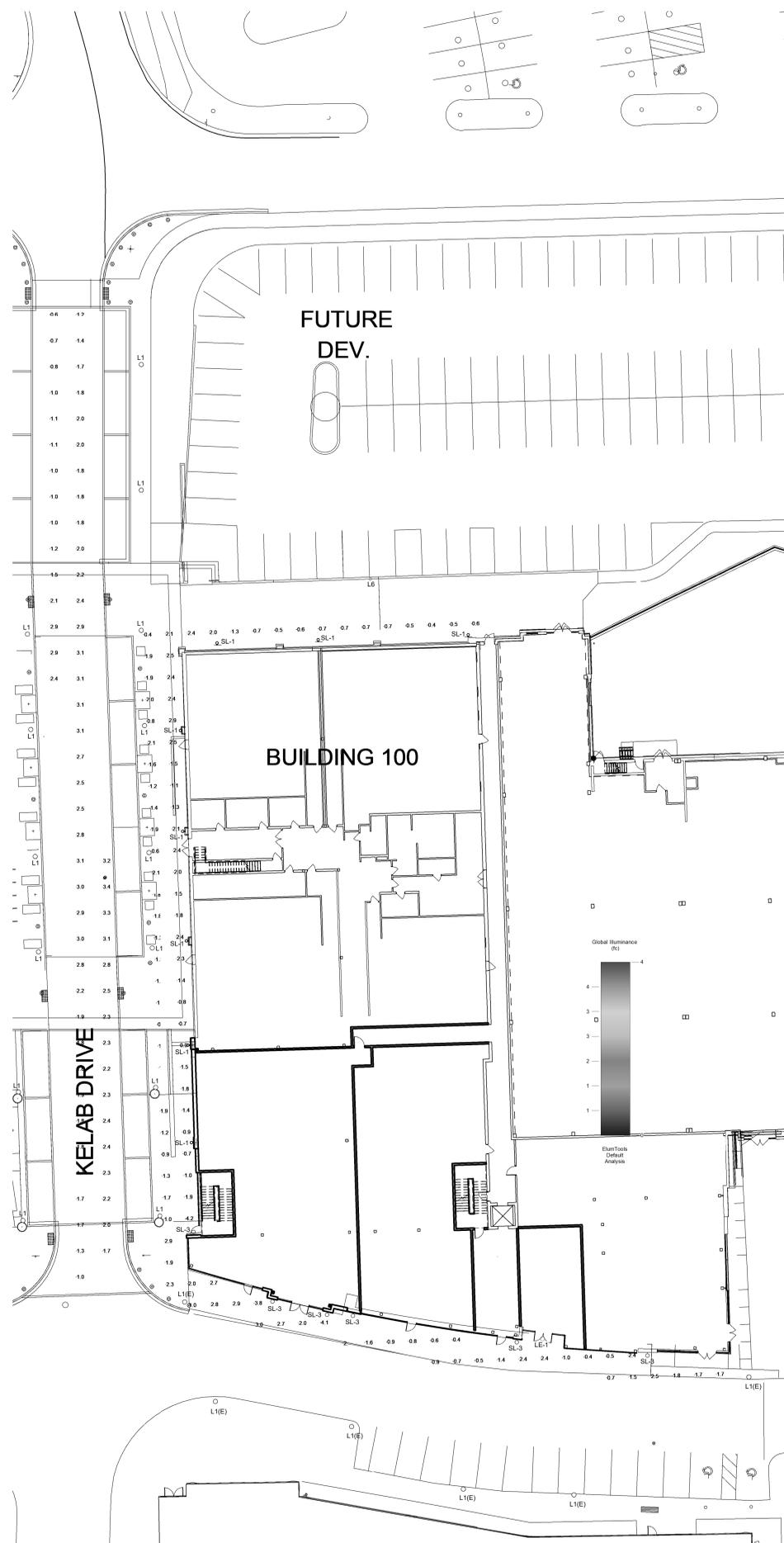
E

D

C

B

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1 SITE PLAN - PHOTOMETRIC
 ES100 SCALE: 1" = 20'-0"



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JDR
 ENGINEERING, INC.
 5525 NOBEL DRIVE
 SUITE 110
 MADISON, WI 53711
 PH: 608.277.1728 FAX: 608.271.7046
 JDR PROJECT NO: 220261

PROJECT INFORMATION
HILLDALE PHASE 3

702 N. Midvale Blvd.
 Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/13/2023	CITY SUBMITTAL

KEY PLAN

SHEET INFORMATION
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PROJECT MANAGER JP
 PROJECT NUMBER 719494-01

SITE PLAN - PHOTOMETRIC

ES100
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Date: _____ Customer: _____



Project: _____

Type: **L1** _____ Qty: _____

Saturn Cutoff LED



Order Code: _____

Pole Order Code:

	Series	Height	Finish	Options					
SACL	Series	SACL Saturn Cutoff LED							
R3	Optics	R1 Type I	R2 Type II	R3 Type III	R3W Type III (Wide)	R4 Type IV	R5R Type V (Round)	R5S Type V (Square)	R5Q Type V (Rectangular)
1	Mounting	1 Single	1A Single Arm Mount	2 Double	W Wall Mount				
5G700	Light Engine	5G450 39W/4442lm	5G700 62W/6644lm	5G105 93W/9241lm	*Based on R1 distribution in 3000K CCT				
30K	CCT	27 ¹ 2700K	30¹ 3000K	40 4000K	VERIFY			*IDA Approved *For other CCT please consult factory	
18	Power Cord Length	08 8 ft	10 10 ft	12 12 ft	14 14 ft	16 16 ft	18 18 ft	XX XX	*For 1 mounting use the pole height. For 1A or 2 mounting use the pole height +2
BK	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color		
UNV	Voltage	UNV 120V- 277V	120 120V	240 240V	277 277V	347 ² 347V	480 ² 480V	*Equipped with step-down transformer	
DS	Options	DM ⁴ Dimming (0-10V)	HS ³ House Side Shield (180°)	HL30 ^{4,5} Hi-Lo Switching Low Output 30%	HL50 ^{4,5} Hi-Lo Switching Low Output 50%	DS No Uplight Finish	PCT ⁶ Photocell Tenon	MS ^{4,6} Pole Motion Sensor with Optional Photocell (See pagr 3 for order code)	³ Type I, II, III, and IV only ⁴ DM, HLXX or MS only. Cannot be combined. ⁵ 120V, 240V or 277V only ⁶ PCT or MS only. Cannot be combined.

Product Modifications

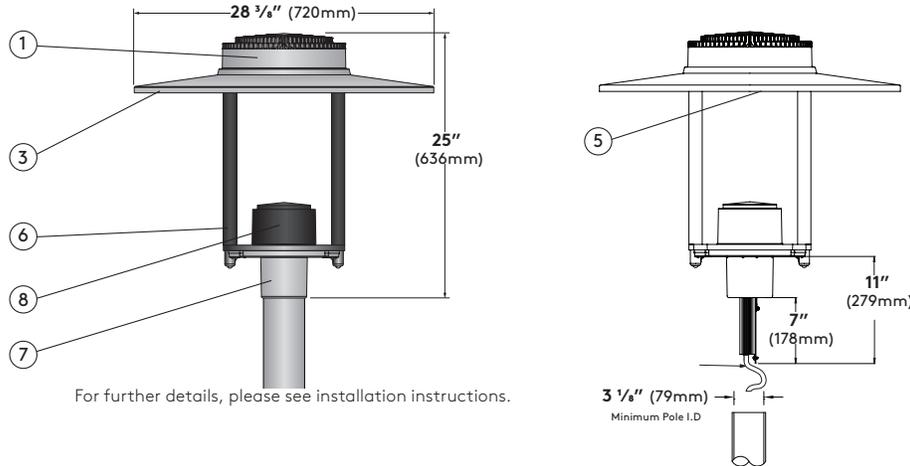
Please list modification requirements for review by factory:

Approvals



Date: _____

SACL-1-XX-DS



Specifications

1. Luminaire Cover - Die cast aluminum cover made from low copper alloy, designed to ensure optimal thermal management for extra long life time of LED light engine.

2. Gasketing - (not shown) Continuous gasket provides weatherproofing, dust and insect control at all fixture connections.

3. Luminaire Hood - Aluminum shade with white painted interior.

4. LED Array - (not shown) High flux LEDs mounted to PC boards and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance 1/4 step binning for 3000K, and 4000K. CRI minimum 80. Complete light engine can be removed easily for future upgrade. LED light engine provides a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

5. LED Optics - Technical Optics (R1, R2, R3, R3W, R4, R5S, R5Q and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III & IV.

6. LED Driver - (not shown) LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66. Driver assembly located inside the head.

7. Hood Supports - Two aluminum arms support shade and optic assembly and attach to the die cast aluminum pole fitter (shown painted matte black for DS option).

8. Pole Fitter - Self-leveling, die-cast low-copper aluminum alloy, fitter base secured to pole with three, stainless steel, Allen head set screws. Fitter for 3 1/2" (90mm) O.D. poles.

9. Driver cover - Die cast aluminum cover made from low copper alloy, removes for tool-less access to driver. Driver secured to removable tray for ease of maintenance (shown painted matte black for DS option).

10. Surge Protector - (not shown) Designed to protect luminaire from electrical surge (20kA).

11. Power Cord - (not shown) Pre-installed at factory. Please specify power cord length in accordance to height of the pole. Add 2 feet to power cord length if double mounting (2) is specified.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Saturn Cutoff LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire and LED tested to IP65 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature.

Luminaire suitable for ambient temperature of 45°C. Minimum operating temperature of luminaire at -40°C (-40°F)

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

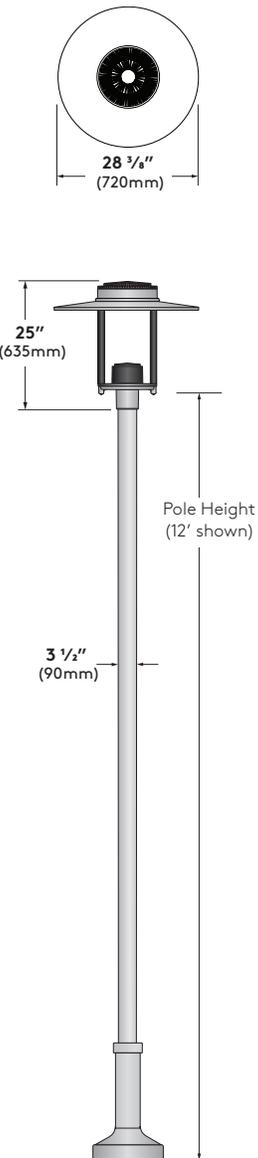
For Buy American compliance on poles, please consult the factory.

Mounting

Single (1)

Die-cast aluminum fitter base secured to pole with three stainless steel, Allen head set screws.

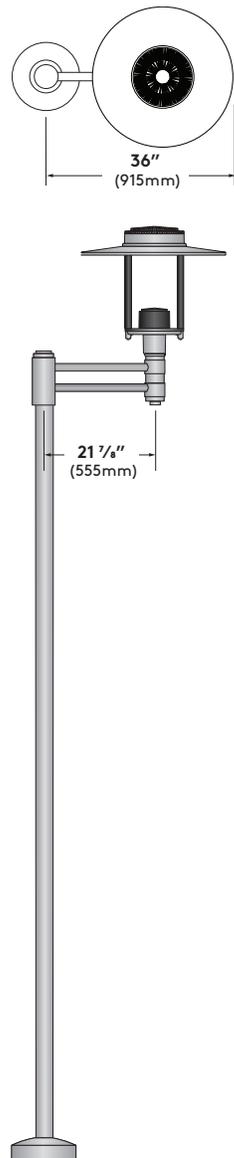
EPA = 1.3ft² (0.12m²)
 Weight = 39lbs. (17.7kg)



Single Arm Mount (1A)

Die-cast aluminum single luminaire mounting arm secured to pole with four stainless steel, Allen head set screws. Outer slip fitter for 3/2" O.D. tenon.

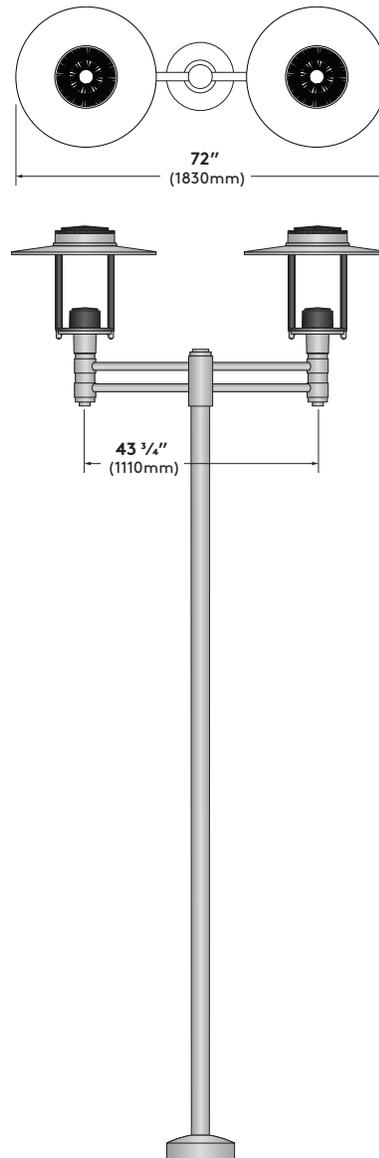
EPA = 2.3ft² (0.21m²)
 Weight = 53lbs. (24.0kg)



Double (2)

Die-cast aluminum double luminaire mounting arm secured to pole with four stainless steel, Allen head set screws. Outer slip fitter for 3/2" O.D. tenon.

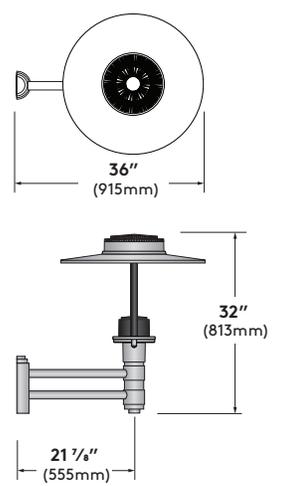
EPA = 4.2ft² (0.39m²)
 Weight = 100lbs. (45.3kg)



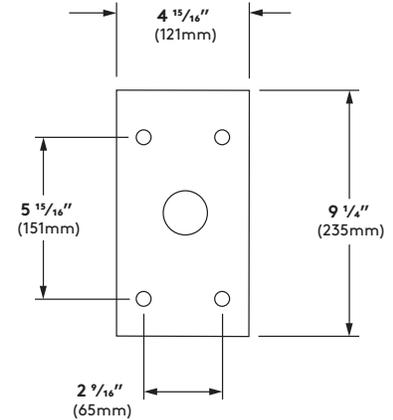
Wall (W)

Die-cast aluminum double round wall mount arm. Secured to wall with 1/4" diameter threaded fasteners (by others).

EPA = 2.1ft² (0.20m²)
 Weight = 50lbs. (22.7kg)



Wall Arm Mounting Detail
 (Conduit and mounting hardware by others).



Pole Information

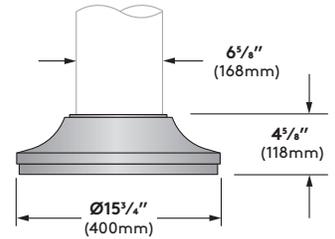
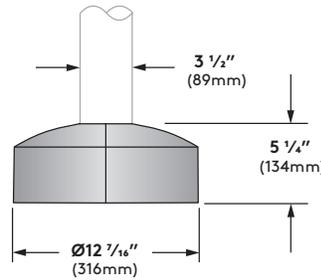
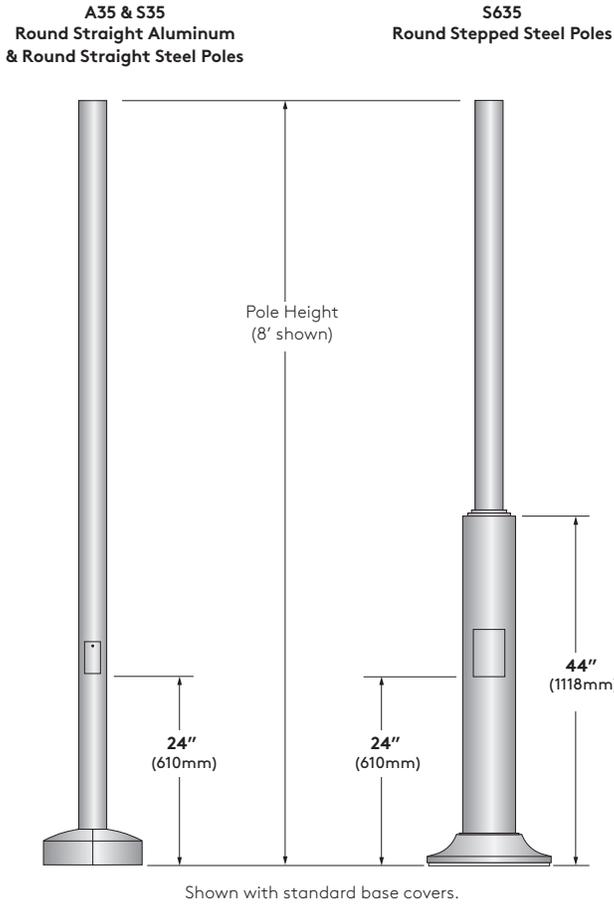
Refer to pole specification sheets for construction details, anchorage information and additional options.

Base Cover Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

Standard Base Cover (BC5)
 Supplied with A35 and S35
 Two-piece cast aluminum

Standard Base Cover (BC6)
 Supplied with S635
 One-piece cast aluminum



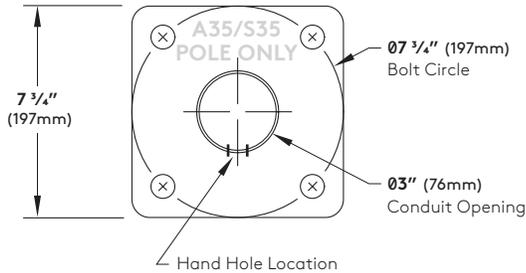
Pole Data Chart

VERIFY

Pole Series	Bolt Circle	EPA Information					Height	Finish	Options	
		70mph	80mph	90mph	100mph	110mph				
S635 3 1/2" Diameter Stepped Steel Pole	Ø9"	57.6	44.3	34.6	27.5	22.8	8 ft.	WH White	BC5 Standard base cover supplied with A35 and S35 poles.	
A35 3 1/2" Diameter Straight Aluminum Pole	Ø7 3/4"	16.1	12.2	9.4	7.3	5.9		BK Black		
S35 3 1/2" Diameter Straight Steel Pole	Ø7 3/4"	14.8	11.3	8.6	6.7	5.4		BL Semi-Matte Black		
S635 3 1/2" Diameter Stepped Steel Pole	Ø9"	45.6	35.0	27.3	21.6	17.8	10 10 ft.	BZ Bronze	BC6 Standard base cover supplied with S635 poles. REC GFCI Receptacle with weatherproof cover.	
A35 3 1/2" Diameter Straight Aluminum Pole	Ø7 3/4"	12.4	9.3	7.1	5.4	4.3		SV Silver		
S35 3 1/2" Diameter Straight Steel Pole	Ø7 3/4"	11.4	8.6	6.5	4.9	3.9		SP Specify Premium Color		
S635 3 1/2" Diameter Stepped Steel Pole	Ø9"	37.6	28.7	22.3	17.5	14.4	12 12 ft.	REC2 GFCI Receptacle with padlockable in-use cover.	REC3 USB and Duplex Receptacle with weatherproof cover.	
A35 3 1/2" Diameter Straight Aluminum Pole	Ø7 3/4"	9.9	7.3	5.4	4.0	3.1				REC4 USB and Duplex Receptacle with weatherproof padlockable in-use cover.
S35 3 1/2" Diameter Straight Steel Pole	Ø7 3/4"	9.1	6.7	4.9	3.6	2.8				
S635 3 1/2" Diameter Stepped Steel Pole	Ø9"	31.7	24.2	18.6	14.6	11.9	14 14 ft.	MS Motion Sensor with Optional Photocell (Meets Title 24 Requirements).		
A35 3 1/2" Diameter Straight Aluminum Pole	Ø7 3/4"	8.0	5.8	4.2	3.0	2.2				
S35 3 1/2" Diameter Straight Steel Pole	Ø7 3/4"	7.3	5.3	3.8	2.7	1.9				
S635 3 1/2" Diameter Stepped Steel Pole	Ø9"	21.7	15.8	12.3	9.6	7.6	16 16 ft.			
A35 3 1/2" Diameter Straight Aluminum Pole	Ø7 3/4"	4.9	3.2	2.2	1.4	N/A				
S35 3 1/2" Diameter Straight Steel Pole	Ø7 3/4"	4.4	2.8	1.9	N/A	N/A				

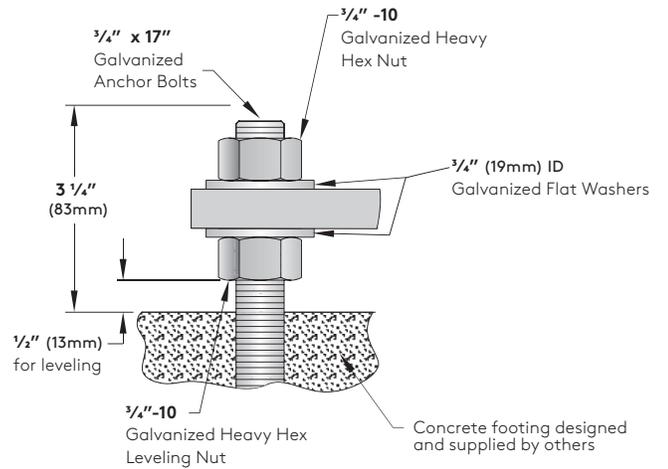
Bolt Circle for A35 & S35

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



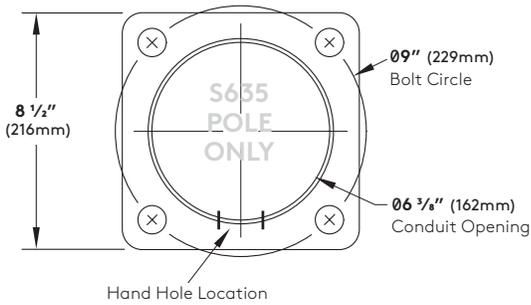
Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for A35 & S35



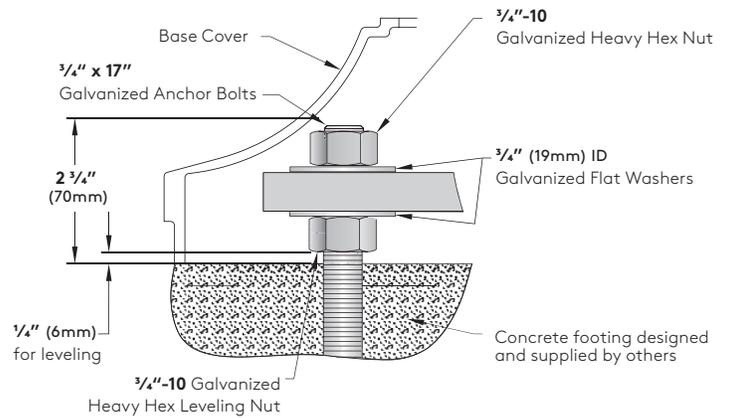
Bolt Circle for S635

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for S635



Round Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor	00 0° Clockwise from Hand Hole	D0 (Off)	Y Yes	UNV (100-347VAC single phase or 208/230/480VAC phase-to-phase)
	09 90° Clockwise from Hand Hole	D1 (1V=10%)		
	18 180° Clockwise from Hand Hole	D3 (3V=30%)	N No	
	27 270° Clockwise from Hand Hole	D5 (5V=50%)		

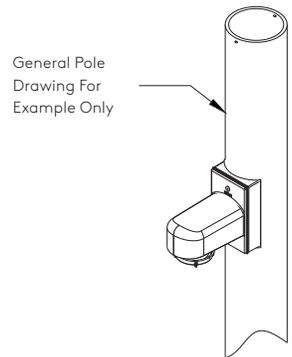
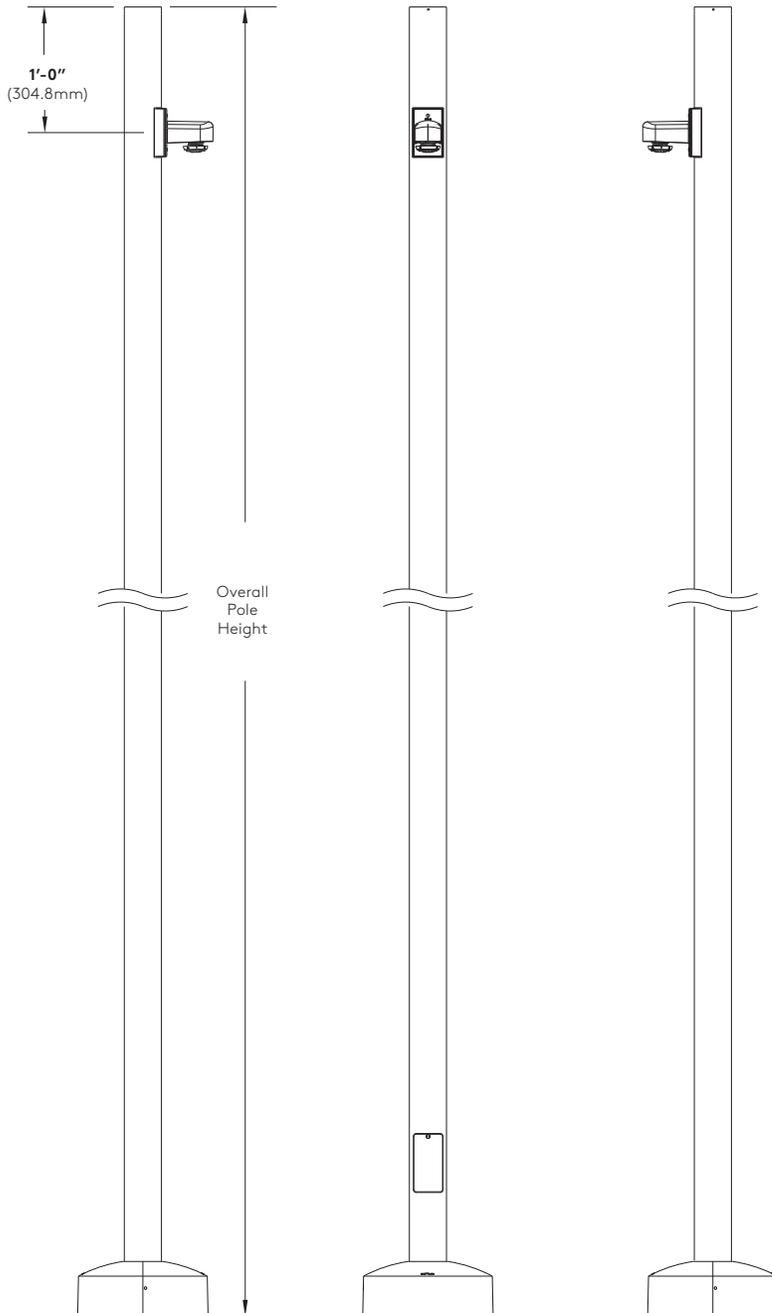
Factory Defaults:

Delay to Dim: 5 minutes

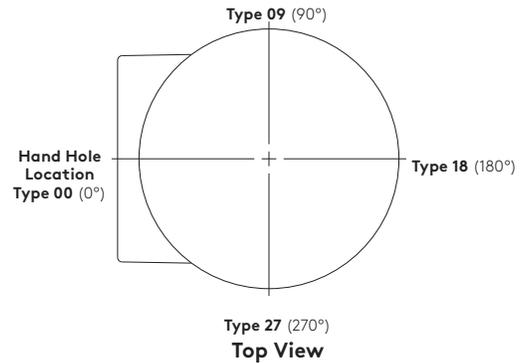
Delay to Off: 1 hour

Sensitivity: Max

Custom Programming: Consult Factory



Sensor angular orientation from hand hole 0°
90° increments clockwise around pole (Type 00, 09, 18, 27)



Motion Sensor Features

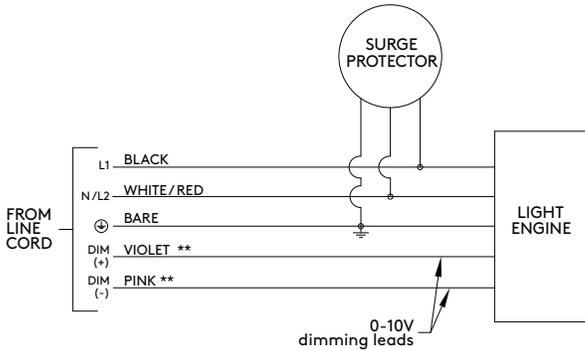
- Customize programming using smartphone application (Refer to the FSP-321 at www.wattstopper.com)
- 5 Year Warranty
- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Made for LED light source
- Adjustable time delays, max/min dim levels, and ramp rates
- Suitable for Title 24 applications

(For coverage details refer to wattstopper FSP-321 spec sheet at www.wattstopper.com)

Wiring Diagrams

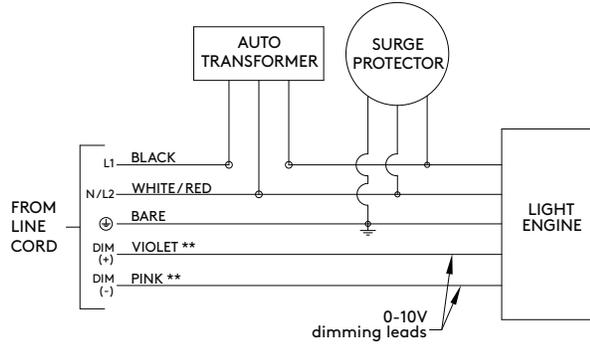
Standard Wiring (120V-277V)

**When dimming is not required cap dimming wires.



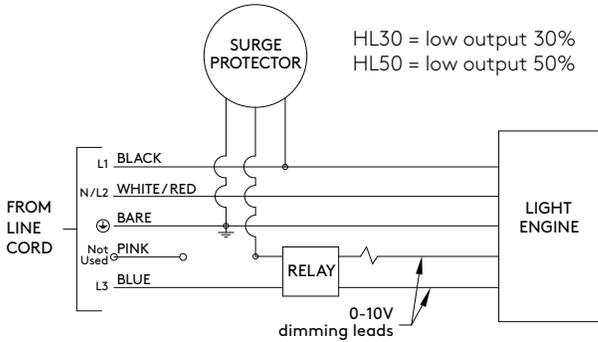
Standard Wiring (347/480V with Step-down Transformer)

**When dimming is not required cap dimming wires.



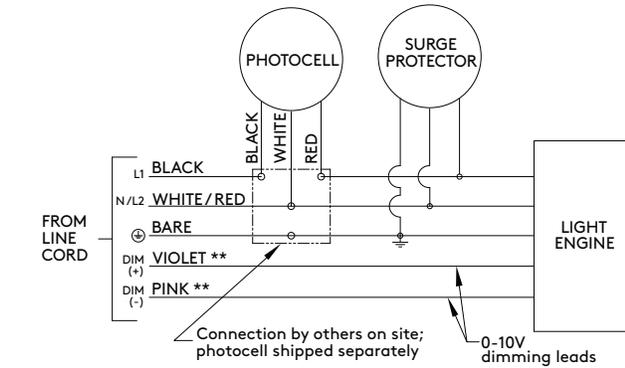
Hi-Lo Switching Option (HL) Wiring HL30 & HL50 Only

120V, 240V, 277V. When blue is energized, light output will be at "Lo" level. Specify low-level by using one of the 2 levels listed below (i.e. HL30 or HL50). For other combinations, consult factory

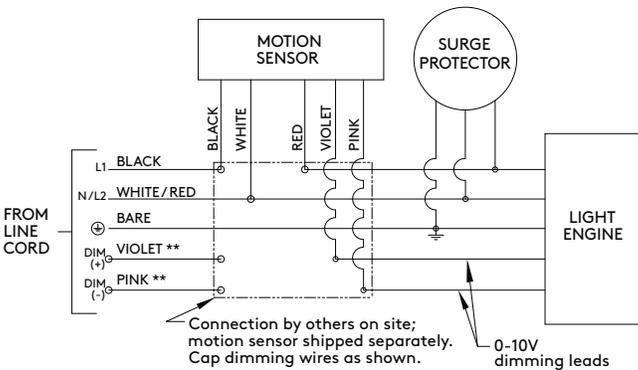


Photocell Option (PCT) Wiring

**When dimming is not required cap dimming wires.



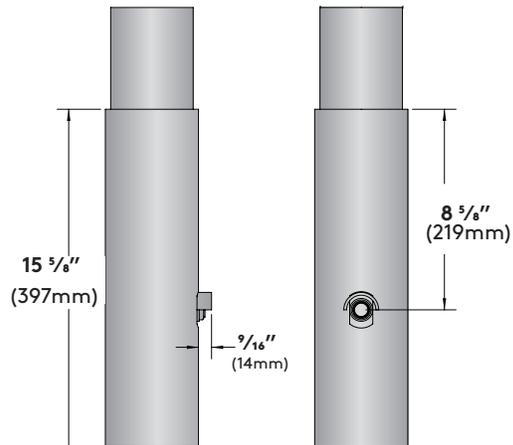
Motion Sensor Option (MS) Wiring (120-480V)



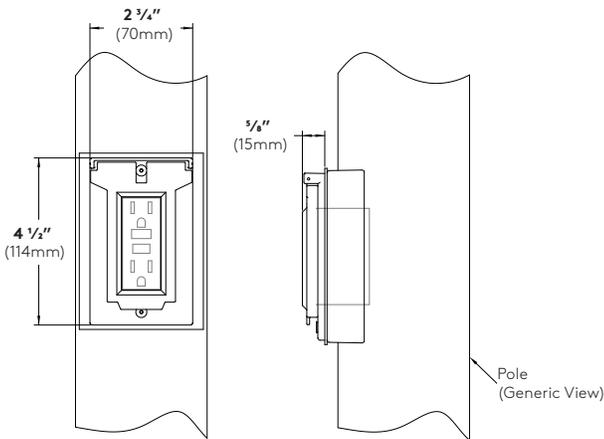
Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)

Optional Accessories

Photo Cell Tenon (PCT) - Button type photocell mounted in cast aluminum pole top tenon. Tenon has integral cast visor to prevent false start/stop cycle and can be oriented for optimum performance. Refer to luminaire spec sheet to determine if this option is applicable.



REC and REC3



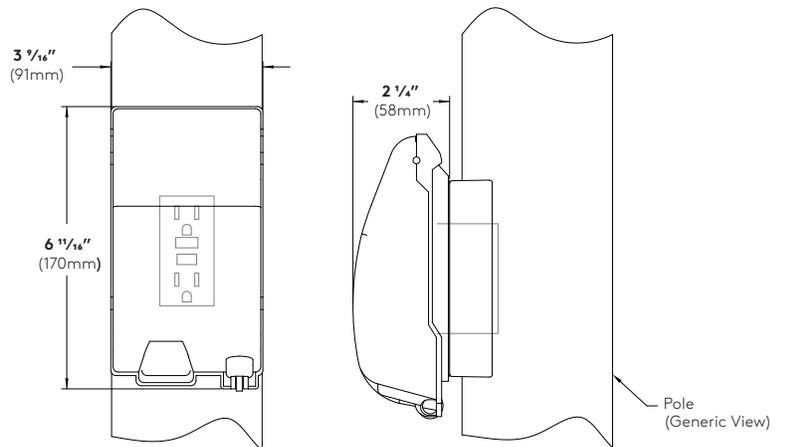
Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

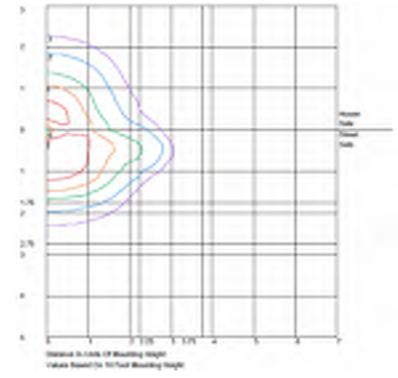
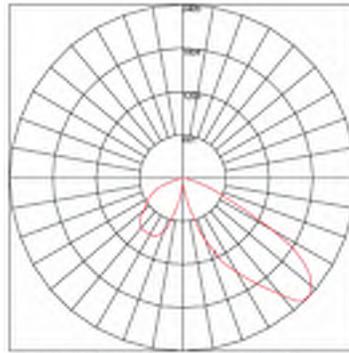
USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Photometry

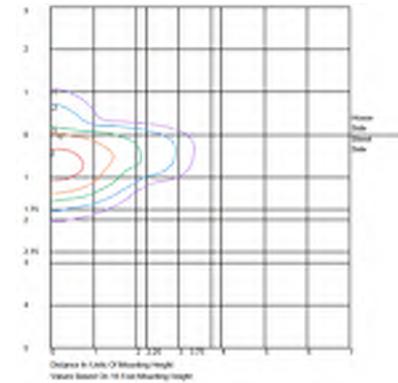
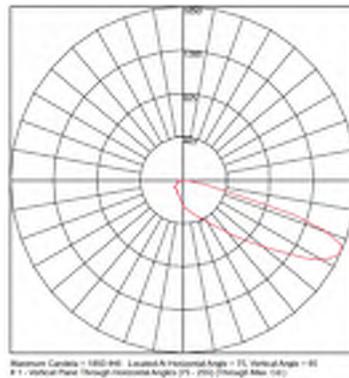
R1 Optics / 39W / 3000K CCT

Catalog #: SACL-R1-5G450-30
 Delivered Lumens: 4442
 Efficacy: 114lm/W
 Maximum candela of 2420.7 at 45° from vertical.
 IES classification - Type II
 Mounting Height = 16'
 B1-U0-G1



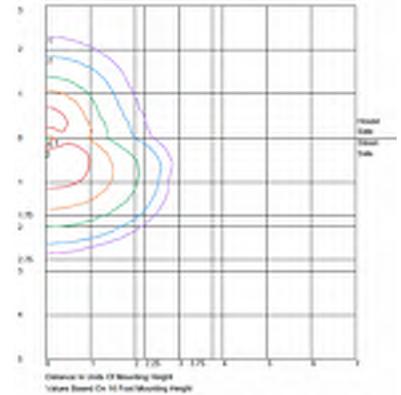
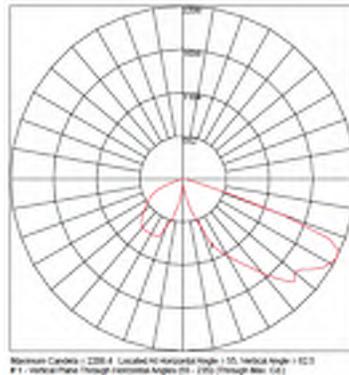
R1 Optics with HS / 39W / 3000K CCT

Catalog #: SACL-R1-5G450-30-HS
 Delivered Lumens: 2990
 Efficacy: 77lm/W
 Maximum candela of 2170.5 at 45° from vertical.
 IES classification - Type II
 Mounting Height = 16'
 B0-U0-G1



R2 Optics / 39W / 3000K CCT

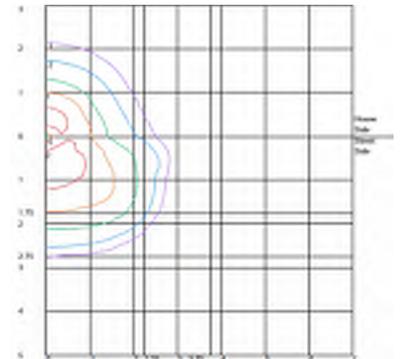
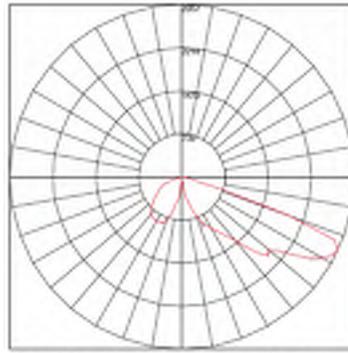
Catalog #: SACL-R2-5G450-30
 Delivered Lumens: 4366
 Efficacy: 112lm/W
 Maximum candela of 2166.5 at 65° from vertical.
 IES classification - Type III
 Mounting Height = 16'
 B1-U0-G1



Photometry

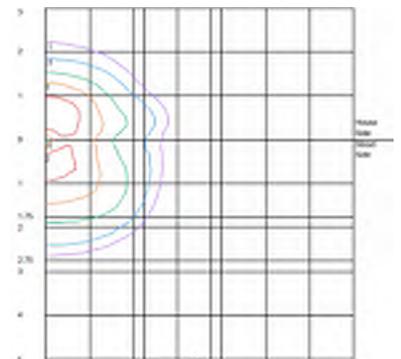
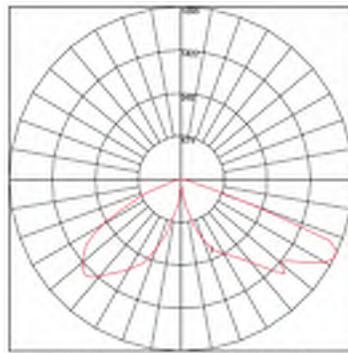
R3 Optics / 39W / 3000K CCT

Catalog #: SACL-R3-5G450-30
 Delivered Lumens: 4357
 Efficacy: 112lm/W
 Maximum candela of 2759.1 at 60° from vertical.
 IES classification - Type III
 Mounting Height = 16'
 B1-U0-G1



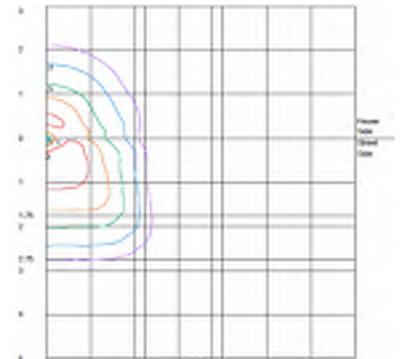
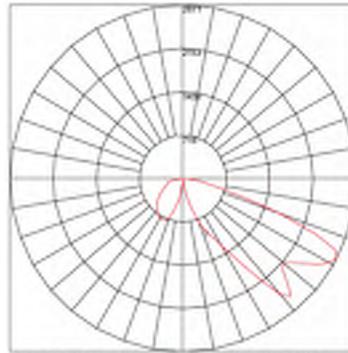
R3W Optics / 39W / 3000K CCT

Catalog #: SACL-R3W-5G450-30
 Delivered Lumens: 4446
 Efficacy: 114lm/W
 Maximum candela of 1988 at 67.5° from vertical.
 IES classification - Type III
 Mounting Height = 16'
 B2-U0-G1



R4 Optics / 39W / 3000K CCT

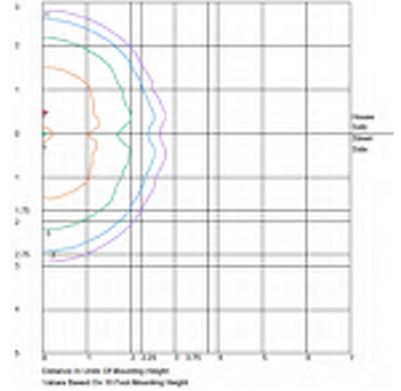
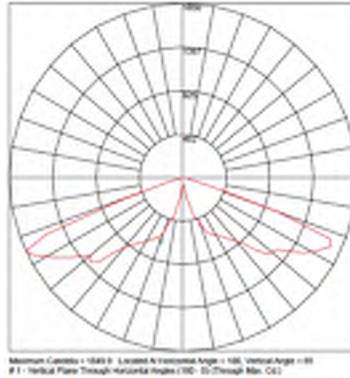
Catalog #: SACL-R4-5G450-30
 Delivered Lumens: 4440
 Efficacy: 114lm/W
 Maximum candela of 2808.6 at 65° from vertical.
 IES classification - Type III
 Mounting Height = 16'
 B1-U0-G1



Photometry

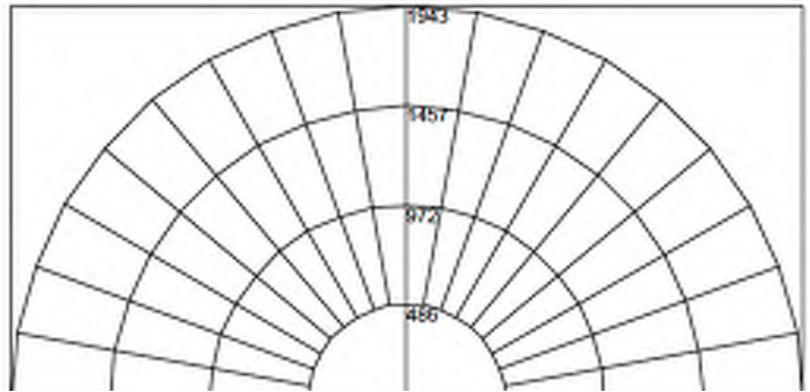
R5R Optics / 39W / 3000K CCT

Catalog #: SACL-R5R-5G450-30
 Delivered Lumens: 4548
 Efficacy: 117lm/W
 Maximum candela of 1849.9 at 65° from vertical.
 IES classification - N/A
 Mounting Height = 16'
 B2-U0-G2



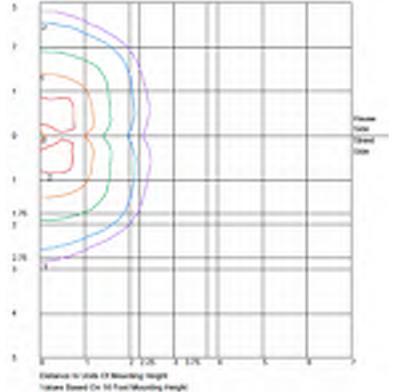
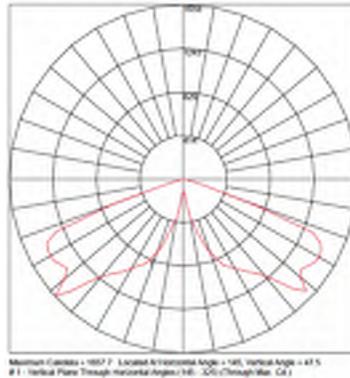
R5S Optics / 39W / 3000K CCT

Catalog #: SACL-R5S-5G450-30
 Delivered Lumens: 4552
 Efficacy: 117lm/W
 Maximum candela of 1836.3 at 65° from vertical.
 IES classification - Type III
 Mounting Height = 16'
 B2-U0-G2



R5Q Optics / 39W / 3000K CCT

Catalog #: SACL-R5Q-5G450-30
 Delivered Lumens: 4564
 Efficacy: 117lm/W
 Maximum candela of 1467.6 at 45° from vertical.
 IES classification - N/A
 Mounting Height = 16'
 B2-U0-G2



TM-21 LIFETIME CALCULATION						
Light Engine	Ambient Temp (°C)	Lumen Maintenance (% at hours)				Reported L ₇₀
		25k ¹	50k ¹	75k ²	100k ²	
LG4500	25°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
LG4150	25°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
LG4150	25°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	99.8%	L70(12k) > 70,000 hours

¹ Calculated in accordance with IESNA TM-21-11, projected values are within six times (6x) the IESNA LM-80-08 test duration

² Projected values are outside six times (6x) the IESNA LM-80-08 test duration



L6

HELIO™ BOLLARD, SERIES 600

PRODUCT DATA





HELIO™ BOLLARD, SERIES 600

PRODUCT DATA

Helio Bollards, Series 600 bring an elegant simplicity to public spaces of all kinds. Constructed of stainless steel, fixtures 6" in diameter are available in illuminated and non-illuminated variations with or without a security core option. Illuminated bollards feature a frosted acrylic lens, 180° or 360° light distribution, and Cree® LEDs in 3000K warm white and 4000K neutral white. Helio Bollards with 3000K LEDs are approved by the International Dark-Sky Association to minimize light pollution. For expanded performance, the Helio family also includes Helio M40/K8 and M50/K12 Security Bollards 11.5" in diameter (Series 1200) and Helio M30/K4 Security Bollards 9.25" in diameter (Series 900), all in illuminated and non-illuminated designs.

MATERIAL & CONSTRUCTION DETAILS

CONFIGURATIONS	LED LAMPS & DRIVER	INSTALLATION
<ul style="list-style-type: none"> Series 600 Helio Bollards are 40" high x 6" in diameter. Illuminated bollards are available with 180° and 360° light distribution options. Non-illuminated versions are also available. Series 600 Helio Bollards are available with an optional S10-P1 rated security core (illuminated or non-illuminated). 	<ul style="list-style-type: none"> Custom LED light engine with Cree® LEDs. 3000K warm white and 4000K neutral white color temperatures. 424 lumen output. Less than 5% upward lumen output. LED driver input voltage is 120-277VAC, -30°C minimum starting temperature. Driver has reverse-phase, forward-phase, and 0-10V dimming capabilities. LED driver certifications include: IP66 (waterproof) enclosure, and Class 2 rated output (UL8750). 	<ul style="list-style-type: none"> Standard mounting is surface mount. Security bollards have an embedded security core. Installation of a surge protector as part of each unit's wiring is recommended. Stainless steel mounting hardware sold separately. Templates are available upon request.
MATERIALS & FINISHES		MAINTENANCE
<ul style="list-style-type: none"> Illuminated bollards have a tubular stainless steel column, frosted acrylic lens, and a stainless steel head cap. Non-illuminated bollards are tubular stainless steel with welded stainless steel cap. Stainless steel is standard with a Satin finish and Ceramiloc treatment. See below for details. For optional powdercoat colors see the Forms+Surfaces Powdercoat Chart. Custom RAL colors are available for an upcharge. 		<ul style="list-style-type: none"> Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.

CERAMILOC TREATMENT

Ceramiloc is an invisible surface treatment that offers significantly enhanced protection from weather and graffiti and increases the maintenance ease of stainless steel. Ceramiloc combines ceramic durability with an unparalleled ability to lock out water spots, fingerprints, graffiti and more. Patented technology bonds nano-silica particles to the surface of the stainless steel. The treatment minimally alters the surface appearance of the stainless and offers numerous benefits:

- Easily Cleaned:** The Ceramiloc treatment creates a surface that simultaneously resists fingerprints and is easy to clean. Water spots, grease marks and more can be quickly wiped away. It also creates an "anti-graffiti" surface – even permanent marker is easily removed with a clean microfiber towel and water.
- Durable:** Ceramiloc-treated materials are corrosion- abrasion- and scratch-resistant. The treatment is permanent, UV stable, and will not degrade or discolor over time. Salt spray testing per ASTM B117 showed no change after 240 hours.
- Environmentally Sound:** The Ceramiloc treatment is a no-VOC, water-based process. Because Ceramiloc surfaces are so easily maintained, cleaning solutions and maintenance are kept to a minimum.

LIGHT ENGINE DESCRIPTIONS

LED ENGINE	LIGHT DISTRIBUTION	DRIVER	LUMINAIRE LUMENS*	B.U.G. RATINGS
3000K LED	360°	40W	424	B0-U1-G0
4000K LED	360°	40W	424	B0-U1-G0
3000K LED	180°	20W	158	B0-U1-G0
4000K LED	180°	20W	158	B0-U1-G0

*Luminaire lumens represents the absolute photometry for the luminaire, and indicates the lumens out of the entire fixture.

NOTE: Polar candela and isofotcandle plots can be found on the Helio Bollard, Series 600 product page on our website.

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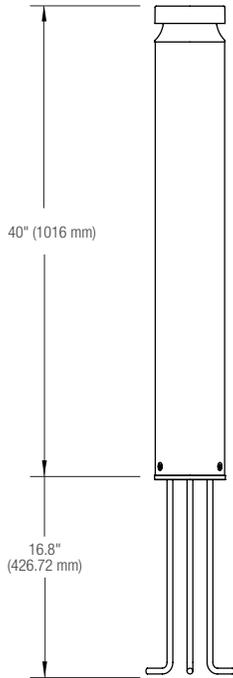
© 2022 Forms+Surfaces® | All dimensions are nominal. Specifications and pricing subject to change without notice. For the most current version of this document, please refer to our website at www.forms-surfaces.com.



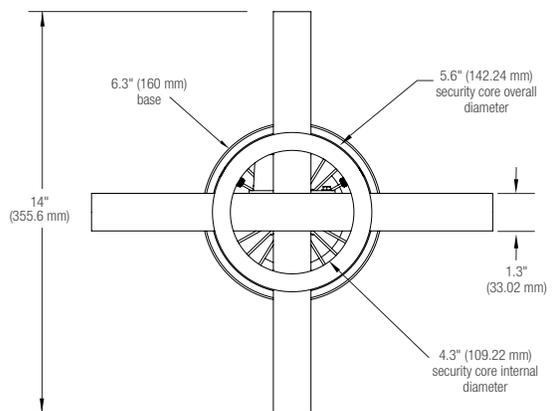
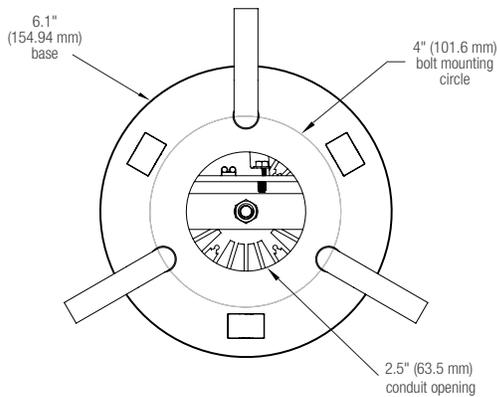
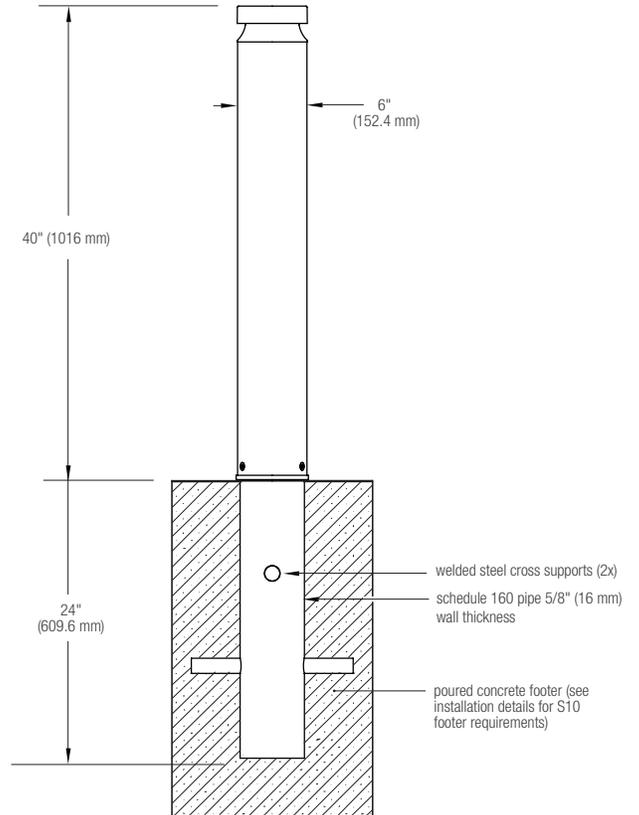
ILLUMINATED BOLLARDS

NOMINAL DIMENSIONS

SURFACE MOUNT WITH J-BOLTS



EMBEDDED SECURITY CORE

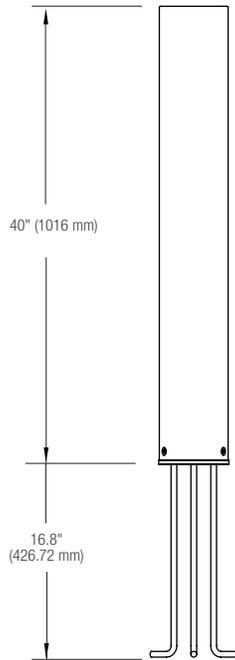




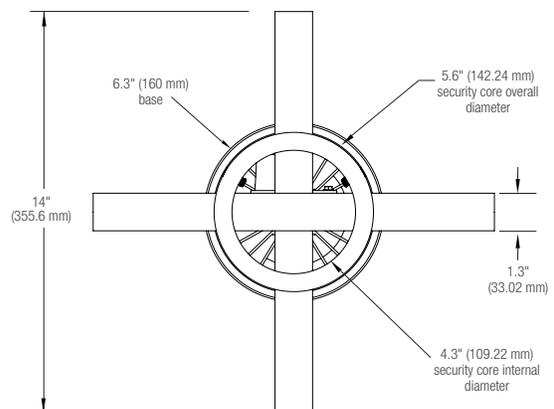
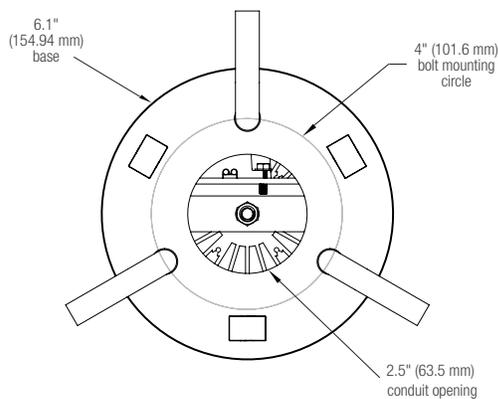
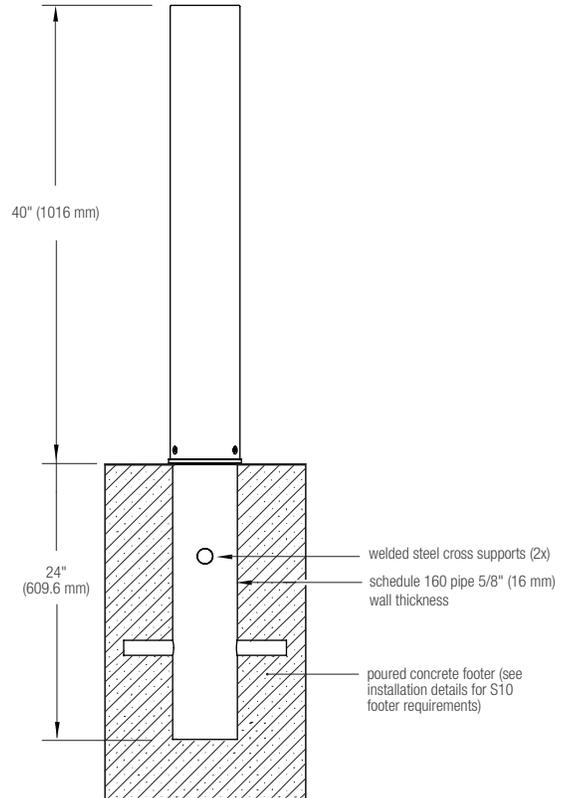
NON-ILLUMINATED BOLLARDS

NOMINAL DIMENSIONS

SURFACE MOUNT WITH J-BOLTS



EMBEDDED SECURITY CORE





HELIO™ BOLLARD, SERIES 600

PRODUCT DATA

OPTIONAL SECURITY CORE

Site security is a major concern in today's unpredictable world. Public and private buildings, government facilities, campuses and public parks are all susceptible to accidental, as well as deliberate, vehicle infringement. Design professionals, city planners, facilities managers and engineers must now be increasingly sensitive to the safety and security requirements of public and private spaces. Security bollards placed at ingress points are an excellent way to guard against vehicle infringement while allowing pedestrian access.

Most security bollards have taken the form of generic pipes and cylinders that offered little in the way of design or lighting functionality. An integral security solution is available as an optional enhancement to Forms+Surfaces' Helio lighting bollards. By adding a pre-engineered and fully-tested security core to the existing Helio design, we can offer a beautiful and efficient lighting bollard that also meets the stringent hi-impact crash requirements normally attained only with unattractive pipe barriers.

Helio S10-P1 security bollards have been tested using a Finite Element Analysis (FEA) by a professional engineering consultant. FEA is a software-based tool commonly used in the automotive industry and used extensively for crash test simulations. Tests were performed using our bollard set in permanent concrete footings and struck by a vehicle at a 90 degree impact. The impact simulation found the bollards to be successful in stopping a 5,000 lb. small passenger vehicle going 10 mph with less than one meter penetration.

Our permanently embedded security cores are available for both illuminated and non-illuminated bollards. Please contact us to discuss design and installation considerations for Helio bollards with security cores.

CERTIFICATION

- ETL and C-ETL listed for wet locations.
- Helio Bollard 3000K is International DarkSky Approved



ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Helio Bollard, Series 600 Environmental Data Sheets for detailed environmental impact information.
- Metal components have a long life cycle and are 100% recyclable.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
LBHLO-603	Helio Bollard, Series 600, illuminated
LBHLO-603-N	Helio Bollard, Series 600, non-illuminated

PRODUCT OPTIONS

The following options are available for an upcharge

Add powdercoat color from Forms+Surfaces Powdercoat Chart	Upgrade to embedded security core
Custom RAL powdercoat color	Add stainless steel mounting hardware



HELIO™ BOLLARD, SERIES 600

PRODUCT DATA

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, finish, color temperature, and light distribution option. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

JUNO

Project: _____

Fixture Type: **LE-1** _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC 1 LED (G4 06LM) RECESSED HOUSING HYPERBOLIC TRIMS



PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • Double wall, shallow housing construction allows for fit in 2 x 6 construction • Can be completely covered with insulation • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets • LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims • 5 year limited warranty on LED components.

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output to 65W incandescent

PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to high purity aluminum, thermally conductive inner housing provides superior heat transfer to ensure long life of the LED • Replaceable light engine mounts directly to inner housing assembly and incorporates the latest generation, high lumen output LED array • LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity • 2700K, 3000K, 3500K, or 4000K color temperatures available • 90 CRI minimum.

Hyperbolic Optical System Patented (U.S. Patent No. 10,670,227 B2) hyperbolic reflector optimized for small, directional LED source provides unique aperture appearance with reduced brightness • NMC™ nano mixing chamber (provided with trim) with high reflectance white finish coupled with a high transmission diffusing lens conceals the LED and integrates with the hyperbolic trim to create a low glare, efficient system producing 600 lumens using less than 9W*.

Aesthetic Trim Selections Patented (U.S. Patent No. 10,670,227 B2) hyperbolic reflector available in clear Alzak®, haze, wheat haze, black Alzak® and white • Shadow free, knife edge design blends seamlessly into ceiling • Installs with push-in springs.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage drivers are dimmable with the use of most 0-10V wall box dimmers • For a list of compatible dimmers, see [JUNOICLED-DIM](#) • Mounted inside housing for easy access from below ceiling

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Certified when used with select trims • Can be used to comply with 2019 Title 24, Part 6, JA8 high efficacy LED light source requirements with select trims • UL listed for U.S. and Canada through-branch wiring, damp locations • Union made • UL and cUL • CP option is compatible with spray foam insulation with an R-value of 3.2 per inch or less.

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance. Specifications subject to change without notice.

HOUSING FEATURES

Housing Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance • Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

Junction Box Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 6 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

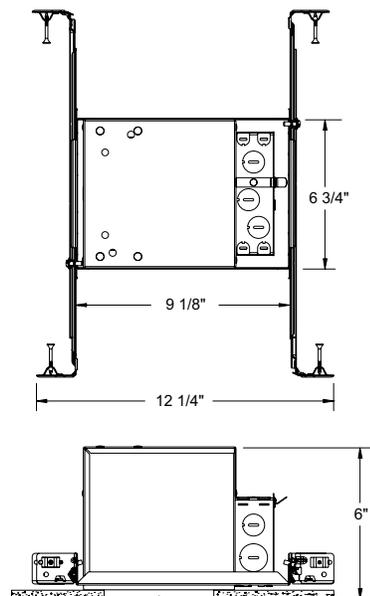
Mounting Frame 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

Real Nail 3 Bar Hangers Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings.

*Nominal input wattage @ 120-volt operation with dedicated 120-volt driver under stable operating conditions.



DIMENSIONS



4 1/2" CEILING CUTOUT

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1LED (G4 06LM) RECESSED HOUSING
HYPERBOLIC TRIMS

ELECTRICAL DATA

Dedicated 120V Only Driver Option (120 FRPC)

120V	
Input Power	8.6W (+/-5%)
Input Current	0.07A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

ELECTRICAL DATA

Universal Voltage

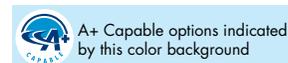
	MVOLT EZ10 and EZ1		MVOLT ZT10 and ZT1	
	120V	277V	120V	277V
Input Power	8.3W (+/-5%)	8.9W (+/-5%)	8.3W (+/-5%)	8.9W (+/-5%)
Input Current	0.07A	0.03A	0.07A	0.03A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C

ORDERING INFORMATION

Housing and trim can be ordered together or separate, but will always ship separately.

Example: IC1LED G4 06LM 27K 90CRI 120 FRPC

Series	Generation	Lumens	Color Temperature	CRI	Voltage/Driver	Territory
IC1LED 4" LED IC New Construction Downlight	G4 Generation 4	06LM 600 Nominal Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC 120V Forward/Reverse Phase Cut, 5% dim	CP Chicago Plenum
			30K 3000K		MVOLT ZT10 Multi-Volt (120-277), 0-10V, 10% dim	
			35K 3500K		MVOLT ZT1 Multi-Volt (120-277), 0-10V, 1% dim	
			40K 4000K		MVOLT EZ10 Multi-Volt (120-277), eidoLED 0-10V, 10% dim	
					MVOLT EZ1 Multi-Volt (120-277), eidoLED 0-10V, 1% dim	



Trim/Description



17HYP2 BWH¹	4" Hyperbolic Cone Trim - Black Cone, White Trim Ring
17HYP2 CWH	4" Hyperbolic Cone Trim - Clear Alzak® Cone, White Trim Ring
17HYP2 HZWH	4" Hyperbolic Cone Trim - Haze Cone, White Trim Ring
17HYP2 WHZBRZ¹	4" Hyperbolic Cone Trim - Wheat Haze Cone, Bronze Trim Ring
17HYP2 WHZWH¹	4" Hyperbolic Cone Trim - Wheat Haze, White Trim Ring
17HYP2 WWH²	4" Hyperbolic Cone Trim - White, White Trim Ring

Trim Size: 5" O.D.

Alzak is a registered trademark of Alcoa Corp.

Note: In Canada when insulation is present, Type IC fixtures must be used.

¹ Not ENERGY STAR® Certified or T24 certified

² ENERGY STAR® Certified and T24 certified @ 30K with 120 driver and @ 35K, 40K with all drivers

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

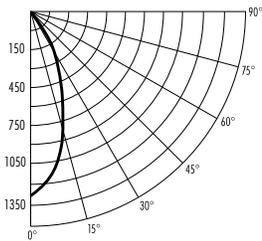
IC1LED (G4 06LM) RECESSED HOUSING
HYPERBOLIC TRIMS

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT06140404
Catalog No: IC1LED G4 06LM 35K
90CRI 120 with 17HYP2 HZWH Trim and
standard nano mixing chamber

Luminaire Spacing Criterion: 0.62
Luminaire LPW: 67



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1329
5	1233
15	826
25	442
35	44
45	3
55	0
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	40	36	33
5.0'	26	23	21
6.0'	18	16	15
7.0'	14	13	12
8.0'	11	10	9
9.0'	9	8	7
10.0'	6	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	533	N/A	92.8
0-40°	571	N/A	99.4
0-60°	574	N/A	100.0
0-90°	574	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 8.6W, 38.3° Beam)

Distance to Illuminated Plane (feet)	Footcandles Beam Center	Beam Diameter
4	83.1	2.8'
6	36.9	4.2'
8	20.8	5.6'
10	13.3	6.9'

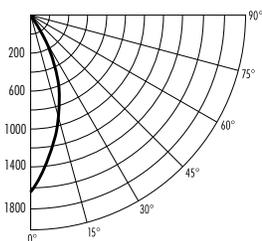
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	691
55	33
65	0
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT06140402
Catalog No: IC1LED G4 06LM 35K
90CRI 120 with 17HYP2 CWH Trim and
standard nano mixing chamber

Luminaire Spacing Criterion: 0.56
Luminaire LPW: 70



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1627
5	1457
15	918
25	438
35	26
45	1
55	0
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	42	38	35
5.0'	27	24	22
6.0'	19	17	15
7.0'	15	14	13
8.0'	12	11	10
9.0'	9	8	8
10.0'	7	6	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	575	N/A	95.0
0-40°	604	N/A	99.9
0-60°	605	N/A	100.0
0-90°	605	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 8.6W, 34.2° Beam)

Distance to Illuminated Plane (feet)	Footcandles Beam Center	Beam Diameter
4	101.7	2.5'
6	45.2	3.7'
8	25.4	4.9'
10	16.3	6.2'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	212
55	0
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

PLATE OUT DOUBLE 3450

PROJECT PROJET
SPEC TYPE
NOTES



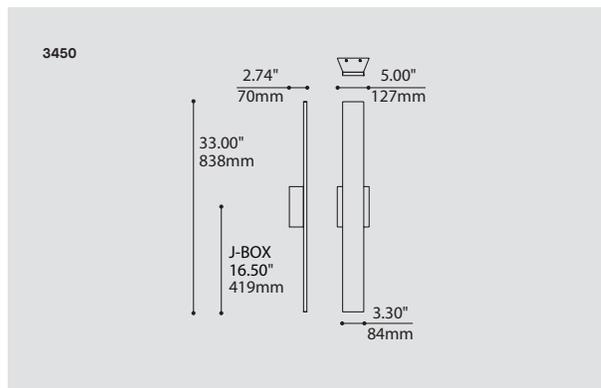
OPTIONS



WHE



BLKE



ORDERING SPECIFICATION	SPÉCIFICATION DE COMMANDE	CODE
MODEL MODÈLE		3450
3450	PLATE OUT DOUBLE	
LIGHT SOURCE SOURCE LUMINEUSE		
<small>(WATTAGE, LAMP TYPE, OTHER INFO)</small>		
LED	REGULAR OUTPUT	
LED.HO	HIGH OUTPUT	
COLOR TEMPERATURE TEMPÉRATURE DE COULEUR		
27*	2700K	
30	3000K	
35	3500K	
40	4000K	
<small>*LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE</small>		
VOLTAGE VOLTAGE		
120V	120 VOLT	
277V	277 VOLT	
DIMMING OPTION OPTION DE GRADATION		
DV	0-10V DIMMING (120-277V)	
HOUSING BOITIER		
WHE	WHITE FINE TEXTURE	
ANTE	ANTHRACITE FINE TEXTURE	
BLKE	BLACK FINE TEXTURE	

PRODUCT CHARACTERISTICS CARACTÉRISTIQUES DU PRODUIT



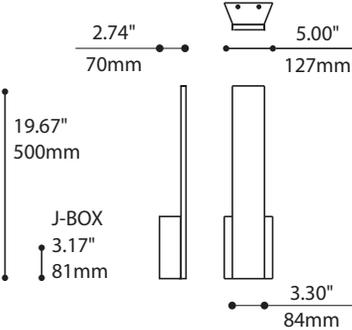
DESIGN:	Designed for use in corridors and public areas, these wall mounted indirect luminaires are outdoor versions of our Plate and are built to be rugged and withstand the elements. They are available in a classic simple version or with the extended double light source version. Both are ADA compliant and can be used indoors.
LIGHT SOURCE:	Linear LED strip with self-modulating temperature control for an optimal performance and lifetime. Available with standard 0-10V dimming.
CONSTRUCTION	CNC machined aluminum, die-stamped galvanized steel and four levels of die-cut silicone gaskets for secure weather resistance.
DIFFUSER:	Translucent frosted acrylic.
CERTIFIED:	CSA Listed to US and Canadian safety standards; 25°C ambient and wet-locations. IP65 rated
CONCEPTION:	Conçues pour être utilisées dans les couloirs et espaces publics, ces appliques murales à éclairage indirect sont des versions extérieures de notre Plate et sont conçues pour être robustes et résister aux intempéries. Elles sont offertes en version simple et en version étendue avec source lumineuse doublée. Elles sont conformes à la norme ADA et peuvent être installées à l'intérieur.
SOURCE LUMINEUSE:	Bande lumineuse DEL avec autocontrôle de température pour une performance et durée de vie optimale. Offert avec gradation standard 0-10V.
CONSTRUCTION:	Aluminium usiné par contrôle numérique, acier galvanisé découpé et plié avec les joints d'étanchéité en silicone comprimé pour résister aux intempéries.
DIFFUSEUR:	Acrylique givré translucide.
CERTIFIÉ:	Homologué CSA aux standards UL Canada et É.-U. - Température ambiante 25°C et emplacements mouillés. Conforme à la norme IP65

PLATE OUT 3449/3450

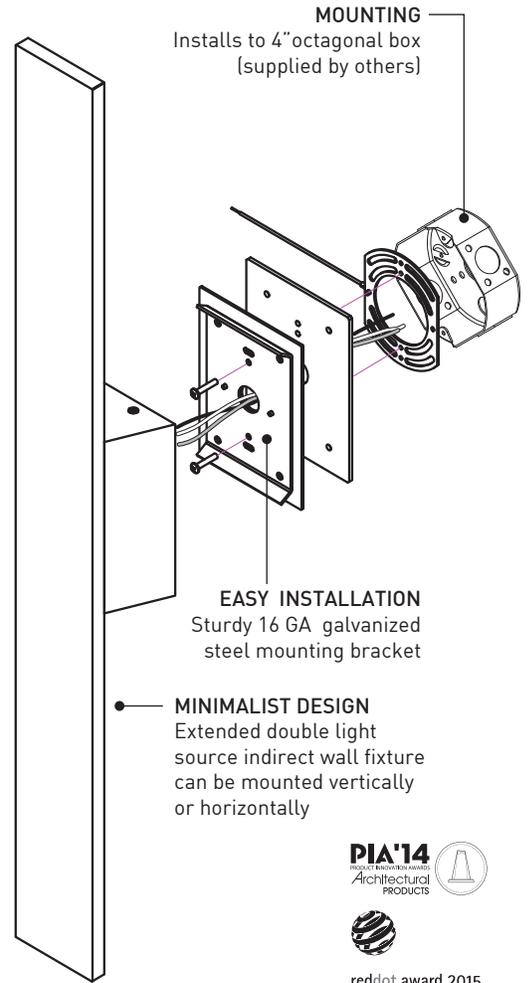
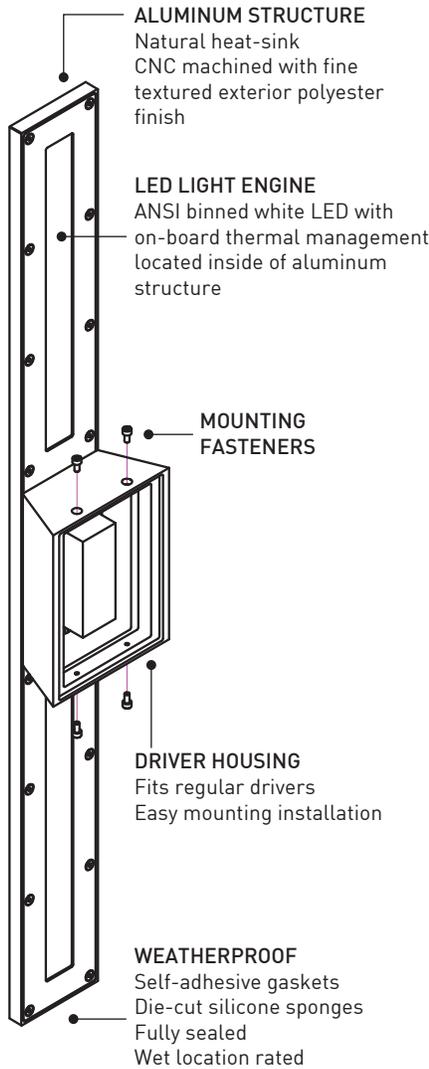
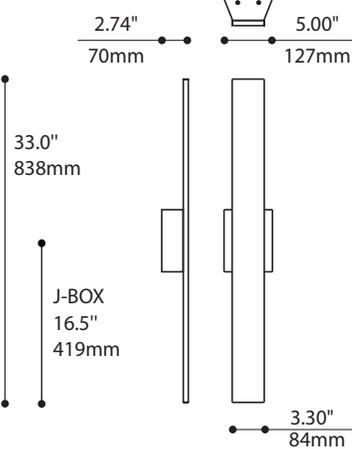
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



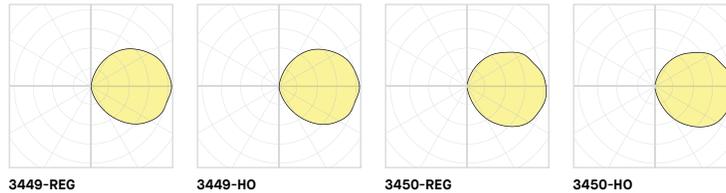
PRODUCT SPECIFICATION **3449 - REG** **3449 - HO** **3450 - REG** **3450 - HO**

PERFORMANCE				
SYSTEM WATTAGE	4.9 W	7.3 W	9.9 W	14.6 W
DELIVERED LUMENS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACY	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W
OTHER INFORMATIONS				
LUMINAIRE'S WEIGHT	6.53LBS LBS / 2.97 KG	6.53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (LUMEN MAINTENANCE)	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS

EFFICACY MULTIPLIERS

CRI	CCT	FACTOR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

LIGHT DISTRIBUTION



Visit our website for warranty terms and conditions.



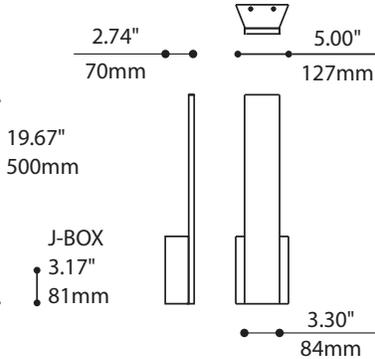
TECHNICAL DATA

PLATE OUT 3449/3450

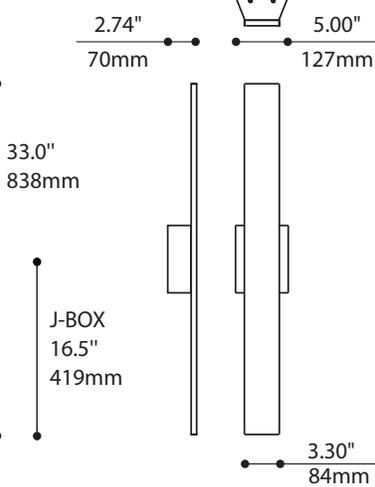
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



STRUCTURE D'ALUMINIUM
Pièces usinées par contrôle numérique fonctionnant comme dissipateur thermique et peinturées à base de polyester fine texture

SOURCE LUMINEUSE À DEL
Bandes DEL blanches offertes avec un dissipateur thermique intégré, localisées à l'intérieur de la structure en aluminium

VIS DE SÉCURITÉ CACHÉS

BOÎTIER DE LUMINAIRE
Convient aux pilotes de DEL avec un système d'installation facile

RÉSISTE AUX INTEMPÉRIES
Joints d'étanchéité autocollants
Silicone éponges découpées
Scellage complet
Convient aux endroits mouillés

SYSTÈME DE MONTAGE
Convient à la boîte de jonction octogone 4" (non incluse)

INSTALLATION SOLIDE
Plaque murale en acier galvanisé 16 GA

DESIGN MINIMALISTE
Version à double source lumineuse indirecte pouvant être montée verticalement ou horizontalement



reddot award 2015 winner



SPÉCIFICATION PRODUIT **3449 - REG** **3449 - HO** **3450 - REG** **3450 - HO**

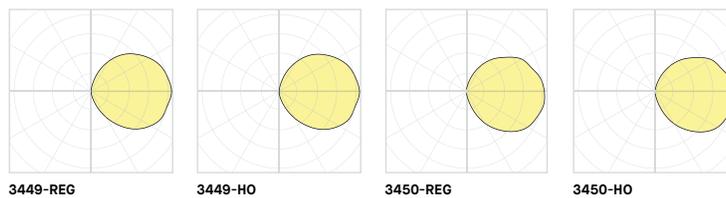
PERFORMANCE				
PUISSANCE TOTALE	4.9 W	7.3 W	9.9 W	14.6 W
LUMENS RÉELS (4000K)	394 LM	562 LM	787 LM	1124 LM
EFFICACITÉ	80.4 LM/W	76.9 LM/W	79.5 LM/W	76.9 LM/W

AUTRES INFORMATIONS				
POIDS PAR TÊTE	6.53LBS LBS / 2.97 KG	6.53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (MAINTENANCE DE LA LUMIÈRE)	> 60 000 H	> 60 000 H	> 60 000 H	> 60 000 H

FACTEUR D'EFFICACITÉ

IRC	CCT	FACTEUR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

DISTRIBUTION LUMINEUSE



Visitez notre site Web pour les termes et conditions.



DONNÉES TECHNIQUES

FIXTURE SPECIFICATIONS

INTENDED USE

Add architectural-grade uplighting and downlighting to your commercial, hospitality and residential exterior walls. Our cylindrical sconces illuminate with elegance and versatility. Choose a nickel, black, bronze or white finish.

PRODUCT FAMILY

SHORT | Dia \varnothing 4" x H 8" x W 5-3/4"

TALL | Dia \varnothing 4" x H 12" x W 5-3/4"

FEATURES

Construction: Die-cast Aluminum

Color Temperature Switching: Capable of switching from 3 color temperatures: 3000K/4000K/5000K

Voltage: 120V AC

Dimming: TRIAC

Beam Spread: 45° Flood

CRI: 80

Maximum Ambient Temperature: -68°F to 104°F

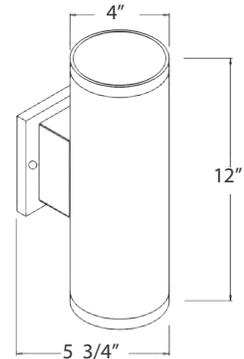
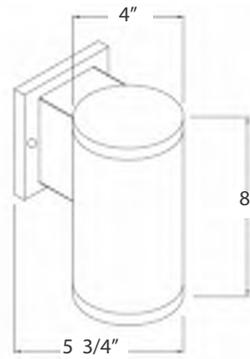
Warranty: 7 Years Carefree for Parts & Components (Labor Not Included)

Listings: cETLus Listed, Suitable for Wet Locations, IP44



SHORT (1)
Down Light Only

TALL (2)
Up and Down Light



Black White Bronze Brushed Nickel



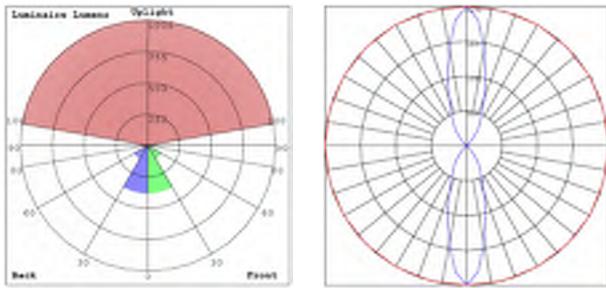
The color temperature switch is located under the arm of the fixture.



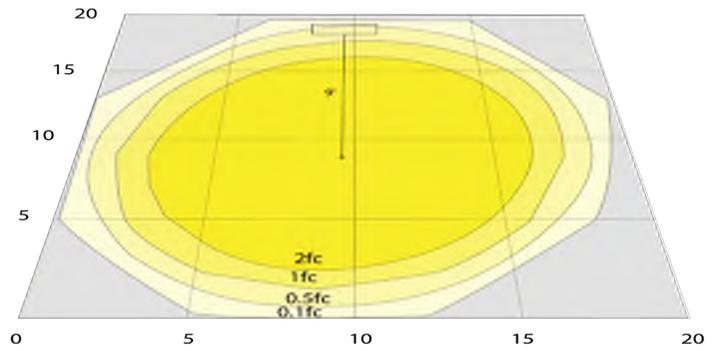
ORDERING INFORMATION Example: (11240-1-BK)

Model	Size Light Direction Wattage Lumens	Finish
11240	1 Short Down Light Only 15W 1200lm	BK Black
Zen	2 Tall Up and Down Light 30W 2400lm	WH White
		BR Bronze
		BN Brushed Nickel

Photometrics: 11240-1 (Downlight)

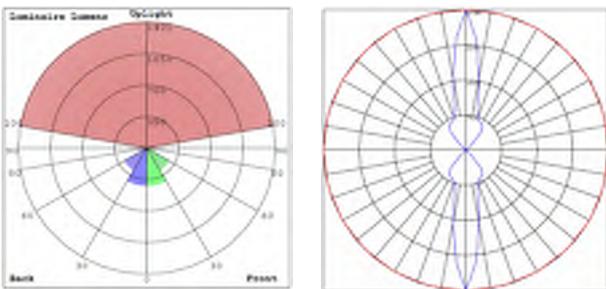


BUG Rating: B1-U5-G0

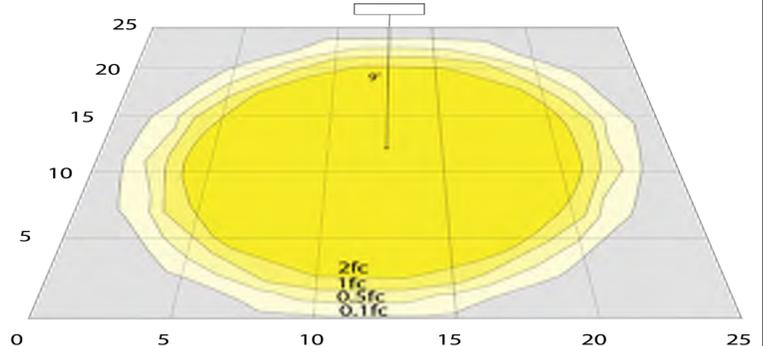


15W 5000K, Area 20'x 20' Mounting Height: 9'

Photometrics: 11240-2 (Up & Down Light)



BUG Rating: B1-U5-G0



30W 5000K Area 25'x 25' Mounting Height: 9'

COLOR TEMPERATURE GUIDE

2700K	3000K	3500K	4000K	5000K
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS
X	✓	X	✓	✓