525 North 4th Street

Wilmington, NC 28401



Wilmington Urban Area MPO





Structural Engineering **Andrew Consulting Engineers**

3811 Peachtree Avenue, Suite 300 t (910) 202-5555 f (910) 202-5558



Engineered Designs, Inc

1151 SE Cary Parkway, Suite 200 Cary, NC 27518 t (919) 851-8481 f (919) 851-9703



BID DOCUMENTS 05/05/2021



PROJECT MAP

renovation scope includes the following elements:

Opening of original window openings and addition of new windows in the historic facade

New restrooms to serve the full facility.

New vertical circulation to connect 1st and 2nd floors.

 Roof repairs and modifications, new exterior windows (in original openings), and a new front entry. Accessible entry and egress points to the public way. Replacement of existing entry at first floor on North 4th Street

• New mechanical, electrical, and plumbing systems. This includes a new fire alarm system but excludes a building sprinkler system.

• Fit-up consists of enclosed offices with associated office support spaces.

15-ELECTRICAL E-101

E-202

E-301 E-302

E-401 E-601

E-602

A-731

I-001

I-202

I-501

I-901

12-PLUMBING

14-MECHANICAL

M-102 M-201

P-301

ELECTRICAL LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL LIGHTING PLAN - NEW WORK SECOND FLOOR ELECTRICAL LIGHTING PLAN - NEW WORK FIRST FLOOR ELECTRICAL POWER PLAN - NEW WORK SECOND FLOOR ELECTRICAL POWER PLAN - NEW WORK **ELECTRICAL DETAILS** ELECTRICAL SINGLE LINE, SCHEDULES AND DETAILS

ELECTRICAL SCHEDULES, RISERS AND DETAILS

DRAWING INDEX

APPENDIX B U.L. DETAIL - U411 U.L. DETAIL - L505 U.L. DETAIL - L541 U.L. DETAIL - X528 & Y616

U.L. DETAIL - N501

AREA PLAN - LEVEL 01

AREA PLAN - LEVEL 02 LIFE SAFETY PLAN - LEVEL 0° LIFE SAFETY PLAN - LEVEL 02

CIVIL UTILITY PLAN

GRADING AND DRAINAGE PLAN

STRUCTURAL FOUNDATION PLAN LEVEL 01 STRUCTURAL PLAN LEVEL 02 STRUCTURAL PLAN LEVEL 03 STRUCTURAL PLAN

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STRUCTURAL EXTERIOR DETAILS

STRUCTURAL TYPICAL DETAILS

SYMBOLS, & GENERAL NOTES

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OVERALL PLAN - LEVEL 02 OVERALL PLAN - LEVEL 03

EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS

INTERIOR ELEVATIONS INTERIOR ELEVATIONS SECTIONS - BUILDING SECTIONS - EXTERIOR WALL SECTIONS - EXTERIOR WALL SECTIONS - EXTERIOR WALL SECTIONS - EXTERIOR WALL **ENLARGED INTERIOR VIEWS ENLARGED INTERIOR VIEWS** ENLARGED INTERIOR STAIR INTERIOR STAIR DETAILS ENLARGED EXTERIOR STAIR EXTERIOR COURTYARD DETAILS

DETAILS - EXTERIOR DETAILS - EXTERIOR DETAILS - EXTERIOR DETAILS - EXTERIOR DETAILS - ROOF DOOR FRAME DETAILS DOOR FRAME DETAILS INTERIOR PLAN DETAILS INTERIOR PLAN DETAILS INTERIOR PLAN DETAILS CEILING DETAILS CEILING DETAILS CEILING DETAILS

INTERIOR DOOR SCHEDULE & ELEVATION

TOILET LAYOUTS AND MOUNTING DIAGRAM

STANDARD PARTITION TYPES

PARTITION FRAMING DETAILS

INTERIOR CASEWORK STANDARDS ARCHITECTURAL WOODWORK & DETAILS

INTERIOR NOTES AND FINISH LEGEND

INTERIOR FLOOR FINISH PLAN - LEVEL 01 INTERIOR FLOOR FINISH PLAN - LEVEL 02

INTERIOR WALL FINISH PLAN - LEVEL 01

INTERIOR WALL FINISH PLAN - LEVEL 02

PLUMBING LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES

FIRST FLOOR DOMESTIC WATER PLAN - NEW WORK SECOND FLOOR DOMESTIC WATER PLAN - NEW WORK

FIRST FLOOR WASTE AND VENT PLAN - NEW WORK

MECHANICAL LEGENDS AND ABBREVIATIONS

FIRST FLOOR MECHANICAL DUCTWORK PLAN

FIRST FLOOR MECHANICAL PIPING PLAN

SECOND FLOOR MECHANICAL DUCTWORK PLAN

SECOND FLOOR WASTE AND VENT PLAN - NEW WORK

DETAILS - INTERIOR FINISH

INTERIOR 3D CONCEPT IMAGES

PLUMBING DEMOLITION PLANS

PLUMBING RISER DIAGRAMS

MECHANICAL DETAILS

MECHANICAL DETAILS

PLUMBING DETAILS

REFLECTED CEILING PLAN - LEVEL 0° REFLECTED CEILING PLAN - LEVEL 02

UPPER REFLECTED CEILING PLAN - LEVEL 02

STRUCTURAL DIAGRAMS AND SCHEDULES

STRUCTURAL SECTIONS STRUCTURAL SECTIONS

STRUCTURAL DETAILS STRUCTURAL DETAILS

STRUCTURAL DETAILS

STRUCTURAL DETAILS

OVERALL SITE PLAN

EXISTING CONDITIONS AND DEMOLITION PLAN CIVIL SITE PLAN

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STRUCTURAL ROOF PARAPET REPAIR AND BRACING PLAN

G-011 G-012 G-101 G-102

07-STRUCTURAL

S-505

S-601

08-ARCHITECTURAL

PROJECT NARRATIVE

The former Thomas Grocery Building, located at 525 North 4th Street and constructed in 1894 is a two story brick building listed as a contributing building in the Wilmington National Register Historic District. The intent of this project is to renovate this building to serve as office space for the Wilmington Urban Area MPO staff. The

• All exterior improvements designed to meet the Secretary of the Interior's Standards for the Treatment of Historic Properties.

New interior finishes throughout.

VIEW OF THE WAITING ROOM LOOKING TOWARDS STAIR

NOT TO SCALE



VIEW OF THE BOARD ROOM

NOT TO SCALE



VIEW OF THE EXECUTIVE OFFICE

12" = 1'-0"



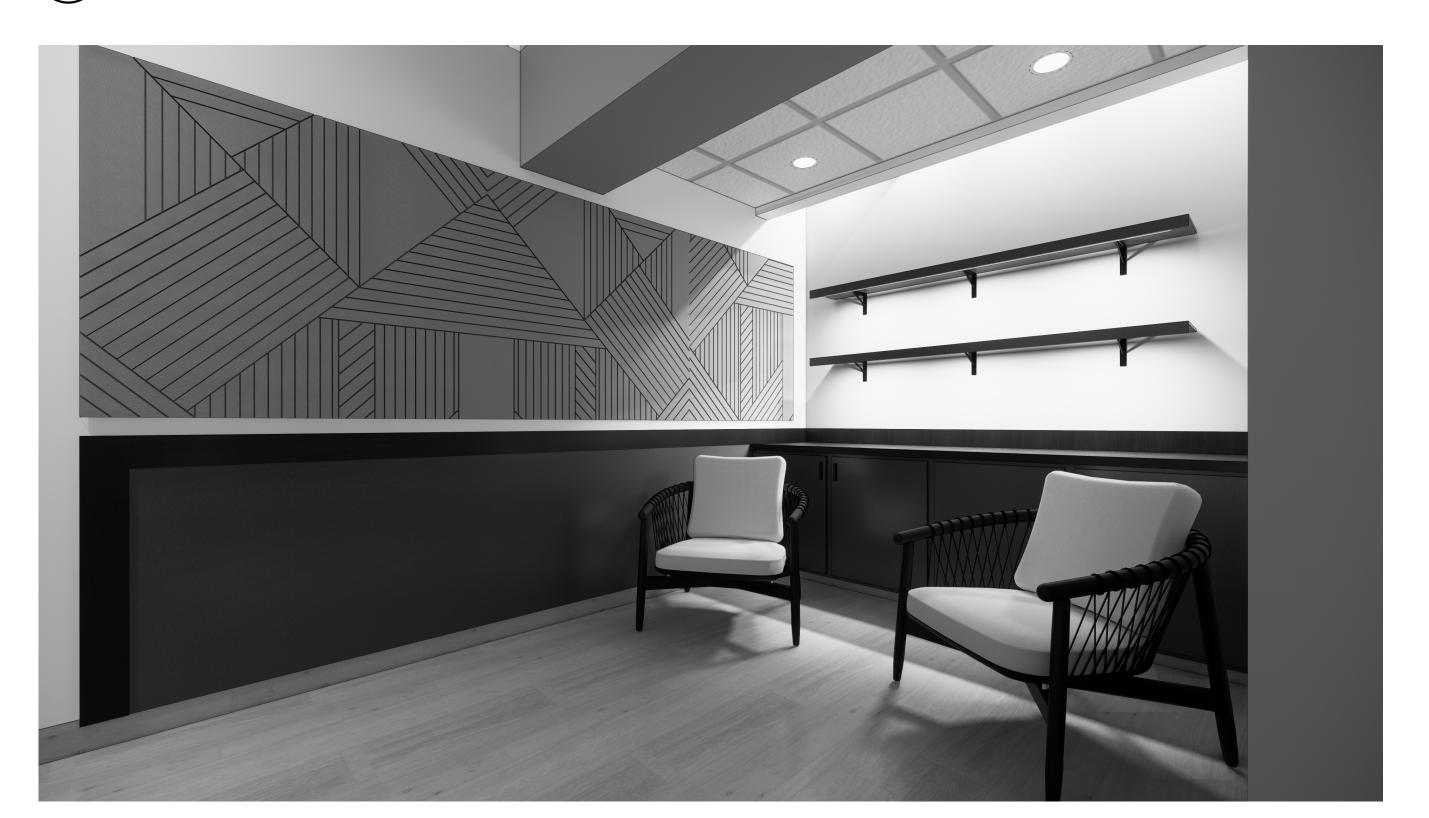
VIEW OF THE RECEPTION LOOKING TOWARDS THE WAITING ROOM

NOT TO SCALE



B2 VIEW OF THE HUDDLE ROOM

NOT TO SCALE



(A2) VIEW OF THE LIBRARY

12" = 1'-0"



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Wilmington 4th Street Building

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City of Wilmington

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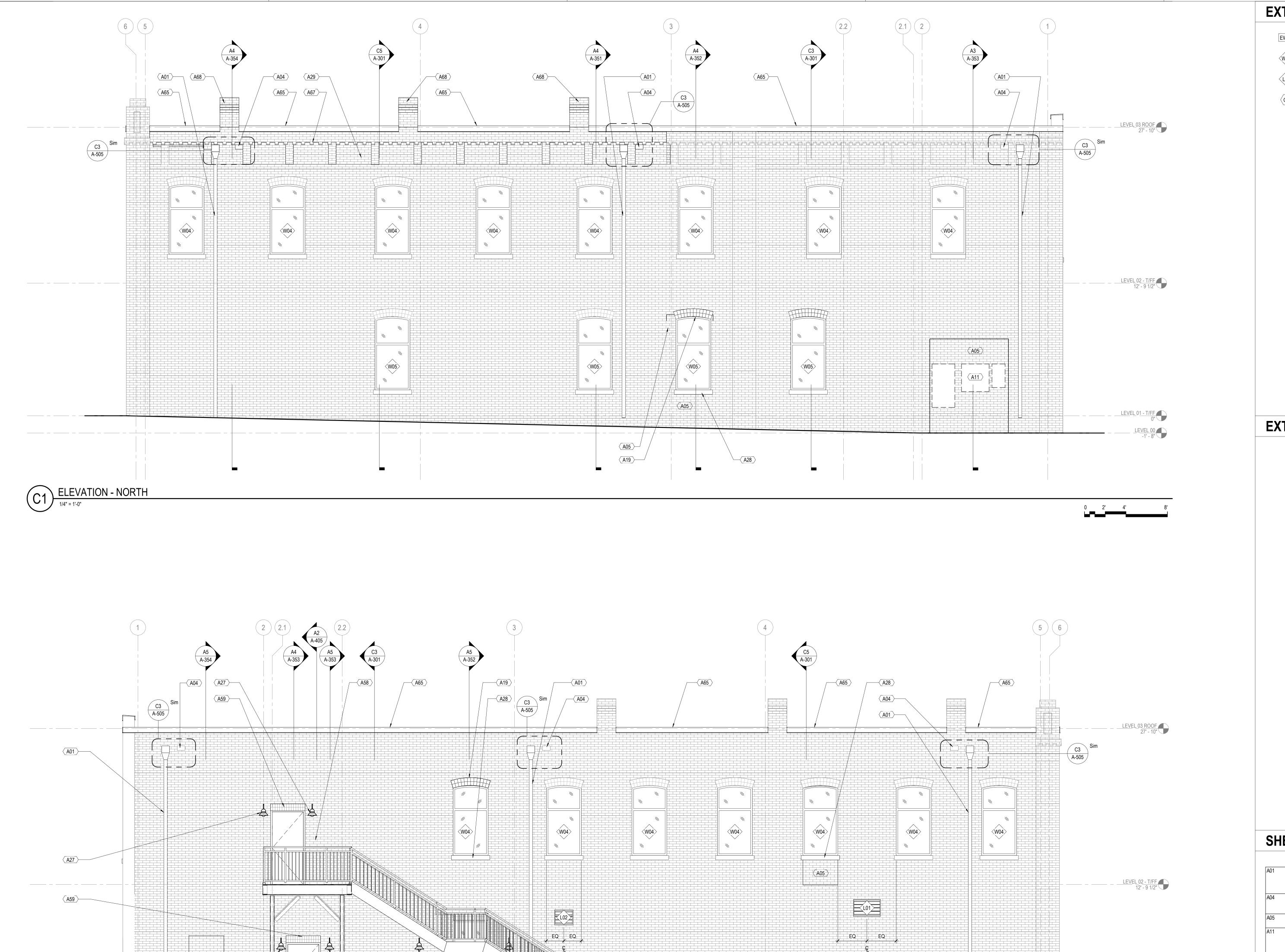
Wilmington Urban Area MPO 305 Chestnut Street Wilmington, NC 28402





INTERIOR 3D CONCEPT IMAGES

I-901



ELEVATION - SOUTH

1/4" = 1'-0"

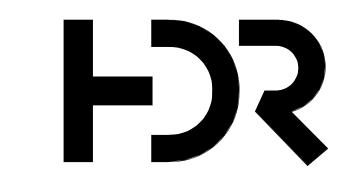
EXTERIOR ELEVATIONS LEGEND

EWA7 EXTERIOR WALL ASSEMBLY TYPE

(W01) EXTERIOR WINDOW ASSEMBLY; REFER TO A-601

LO1 LOUVER TYPE; REFER TO A-601

G1 GLAZING/SPANDREL PANEL TYPE; REFER TO A-601



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BUILDING STRONG COMMUNITIES BLOCK BY BLOCK

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EXTERIOR ELEVATIONS NOTES

City of Wilmington

102 North Third Street Wilmington, NC 28402



Wilmington Urban Area MPO
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Project Manager Todd Case, AIA Project Designer Stephen Nuttall Project Architect Robert Bittel, RA Landscape Architect Brandon List, PLA Civil Engineer Chris Tynes, PE Structural Engineer Neal Andrew, PE Mechanical Engineer Elizabeth Gorney, PE Electrical Engineer Bradley Wynne, PE Plumbing Engineer

Plumbing Engineer
Interior Designer
Planner
Wayfinding

M. Ginger Scoggins, PE
Sara Shamloo, AIA
Robert Bittel, RA
N/A

Sheet Reviewer

RJB

MARK DATE DESCRIPTION

SHEET KEYNOTES

ALUMINUM DOWNSPOUT; COLOR AND FINISH TO MATCH COPING, WINDOWS, AND STOREFRONT. REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION-7 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

OVERFLOW SCUPPER; REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION-7 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

INFILL MASONRY OPENING WITH MODULAR BRICKS; TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS.

ELECTRICAL EQUIPMENT; COLOR AND FINISH TO MATCH COPING, WINDOWS, DOWNSPOUTS, AND STOREFRONT. REFER TO ELECTRICAL (E-SERIES) DRAWINGS FOR ADDITIONAL

CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL AS 2-COURSE ROWLOCK ARCH AT WINDOW HEAD TO MATCH EXISTING ARCH CONSTRUCTION.

EXTERIOR WALL MOUNTED DECORATIVE LIGHTING; REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.

GRANITE SILL; SIZE, SHAPE, TEXTURE, AND COLOR TO MATCH EXISTING SILLS.

CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL AS RECONSTRUCTED WALL PARAPET TO MATCH EXISTING WALL PARAPET CONSTRUCTION.

STANDARD TWO-WAY COMMUNICATION DEVICE; REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.

2-COURSE ROWLOCK WINDOW HEAD OF MODULAR BRICKS; TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL

CONTINUOUS ALUMINUM COPING SYSTEM; COLOR AND FINISH TO MATCH DOWNSPOUT, WINDOWS, AND STOREFRONT.

CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL AS RECONSTRUCTED DENTICULATION AT BED-MOULD OF CORNICE TO MATCH EXISTING CONSTRUCTION.

CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL AS RECONSTRUCTED EXTENDED HEIGHT CORBELLED PARAPET TO MATCH EXISTING CONSTRUCTION.

ARCHITECT

ARCHITECT

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ODD CASHI

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EXTERIOR ELEVATIONS

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Project Status

A-201



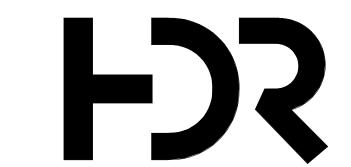
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LOUVER TYPE; REFER TO A-601

GLAZING/SPANDREL PANEL TYPE; REFER TO A-601



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EXTERIOR ELEVATIONS NOTES

City of Wilmington

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Wilmington Urban Area MPO 305 Chestnut Street Wilmington, NC 28402



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Brandon List, PLA

Chris Tynes, PE

Neal Andrew, PE

Elizabeth Gorney, PE

Bradley Wynne, PE

Sara Shamloo, AIA Robert Bittel, RA

M. Ginger Scoggins, PE

Stephen Nuttall

Project Manager Project Designer Project Architect Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer

Sheet Reviewer

MARK DATE DESCRIPTION

Wayfinding

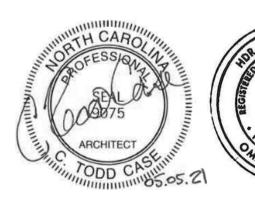
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AND INSTALL AS 2-COURSE ROWLOCK ARCH AT WINDOW HEAD TO MATCH EXISTING ARCH CONSTRUCTION. EXTERIOR WALL MOUNTED DECORATIVE LIGHTING; REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION. GRANITE SILL; SIZE, SHAPE, TEXTURE, AND COLOR TO MATCH

EXISTING SILLS. CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL TWO COURSES CONTINUOUSLY AT THE TOP OF THE PARAPET RAISING THE HEIGHT OF THE OVERALL BUIDLING ON THIS ELEVATION. CONTINUOUS ALUMINUM COPING SYSTEM; COLOR AND FINISH TO MATCH DOWNSPOUT, WINDOWS, AND STOREFRONT.

05/05/2021

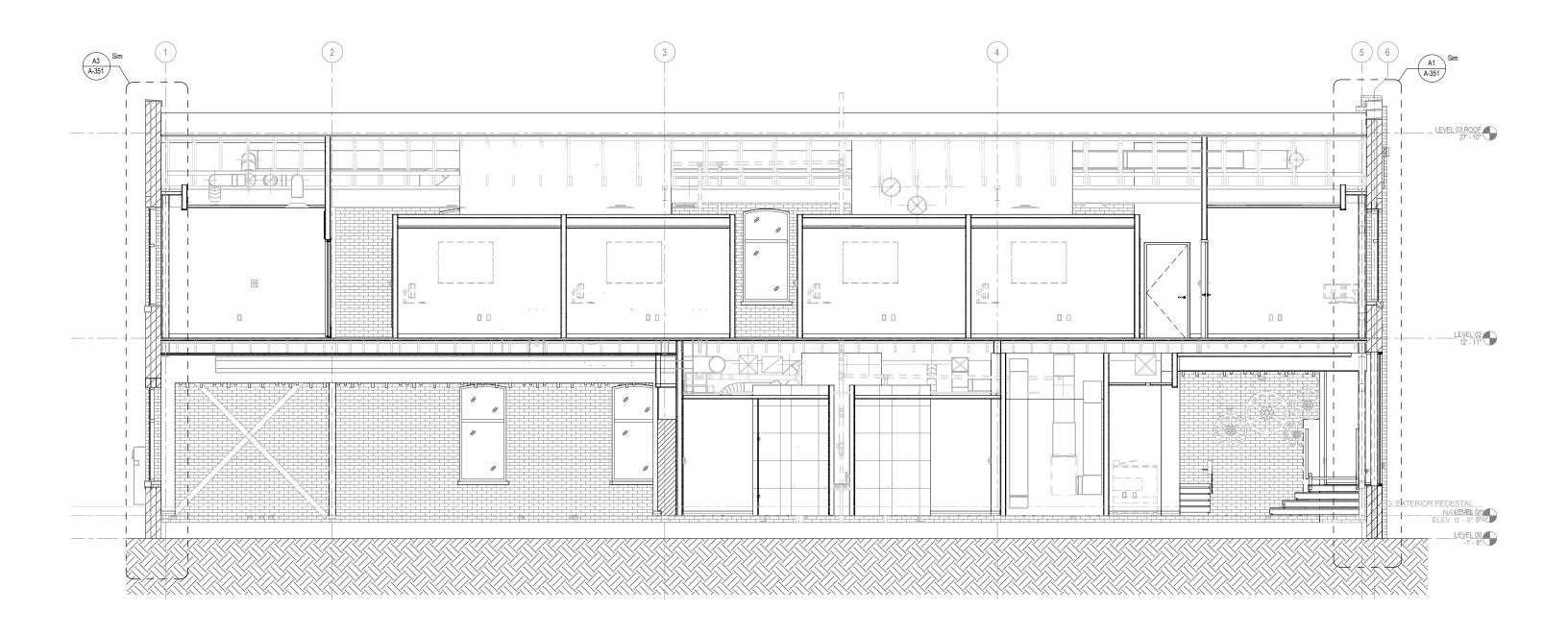


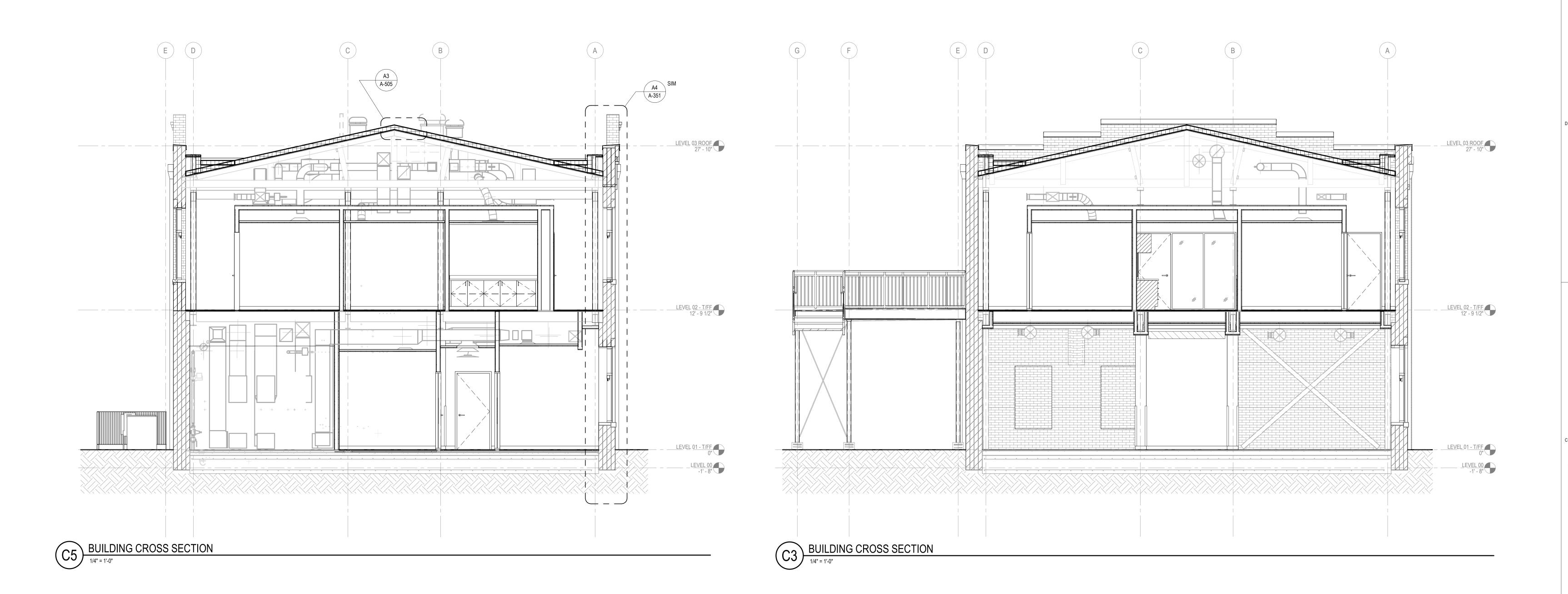
EXTERIOR ELEVATIONS

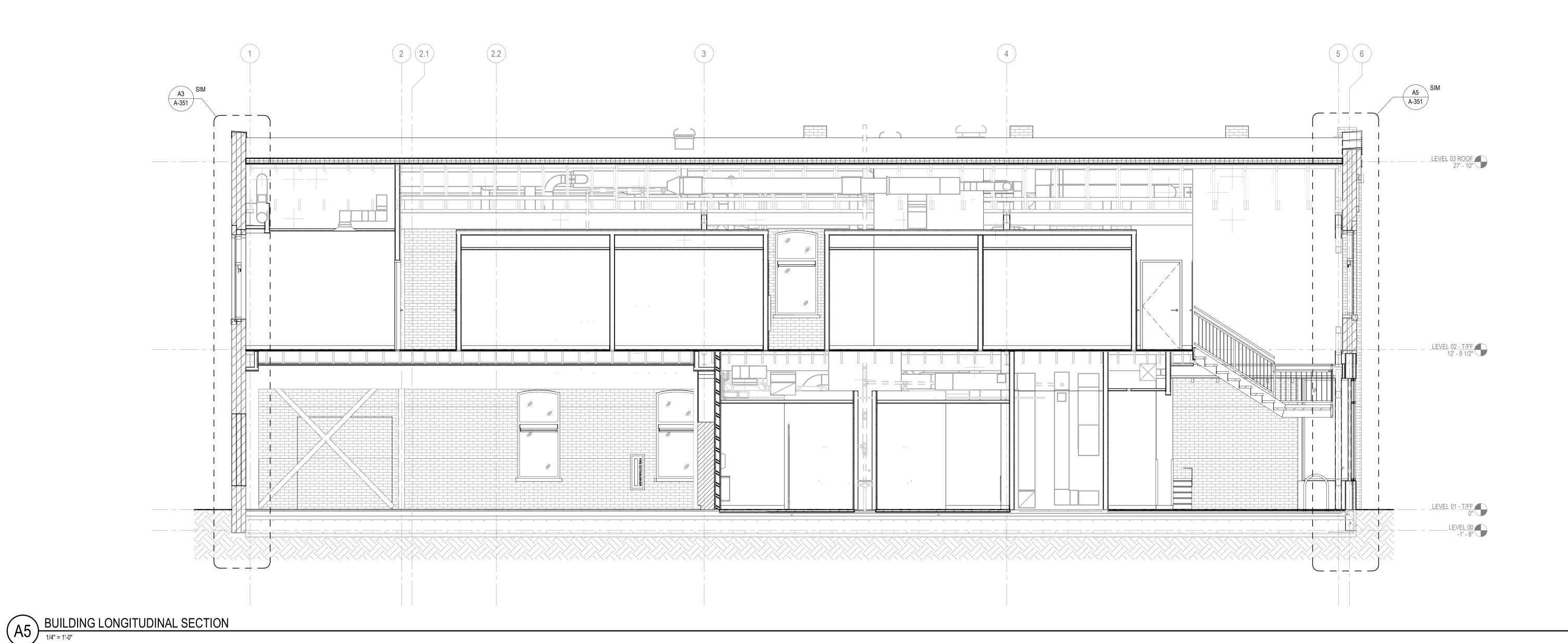
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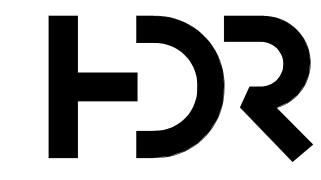
ELEVATION - WEST

1/4" = 1'-0"









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Wilmington 4th Street Building 525 North 4th Street

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Electrical Engineer	Bradley Wynne, PE
Plumbing Engineer	M. Ginger Scoggins,
Interior Designer	Sara Shamloo, AIA
	1

N/A N/A

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SECTIONS - BUILDING

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A-301

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RSTALL CORRUPATION

INSTALL CORRUPATION

AMORPH TO A SETTING

PROPER PROCESSES INSTALL ON

INSTALL CORRUPATION

AMORPH TO A SETTING

INSTALL CORRUPATION

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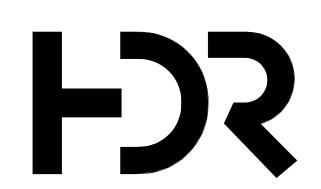
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STRUCTURAL EXTERIOR EAST ELEVATION

SCALE 1/4" = 1'-0"

STRUCTURAL EXTERIOR WEST ELEVATION

SCALE 1/4" = 1'-0"



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Wilmington 4th Street
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Plumbing Engineer	M. Ginger Scoggins, PE
Interior Decianor	Cara Chamles AIA

Sheet Reviewer JMR

MARK DATE DESCRIPTION

Planner

05/05/2021

Robert Bittel, RA

Project Number Original Issue



Sheet Name

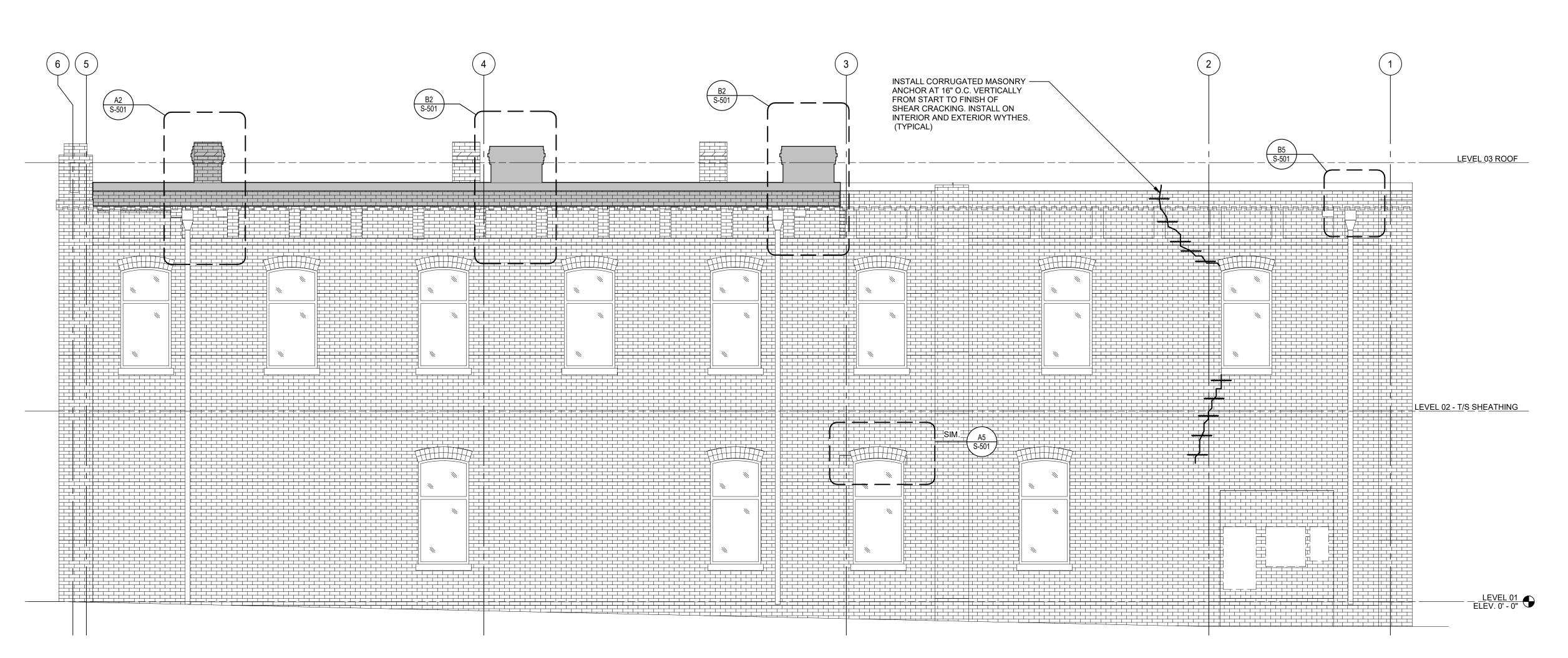
STRUCTURAL EXTERIOR ELEVATIONS

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Project Status
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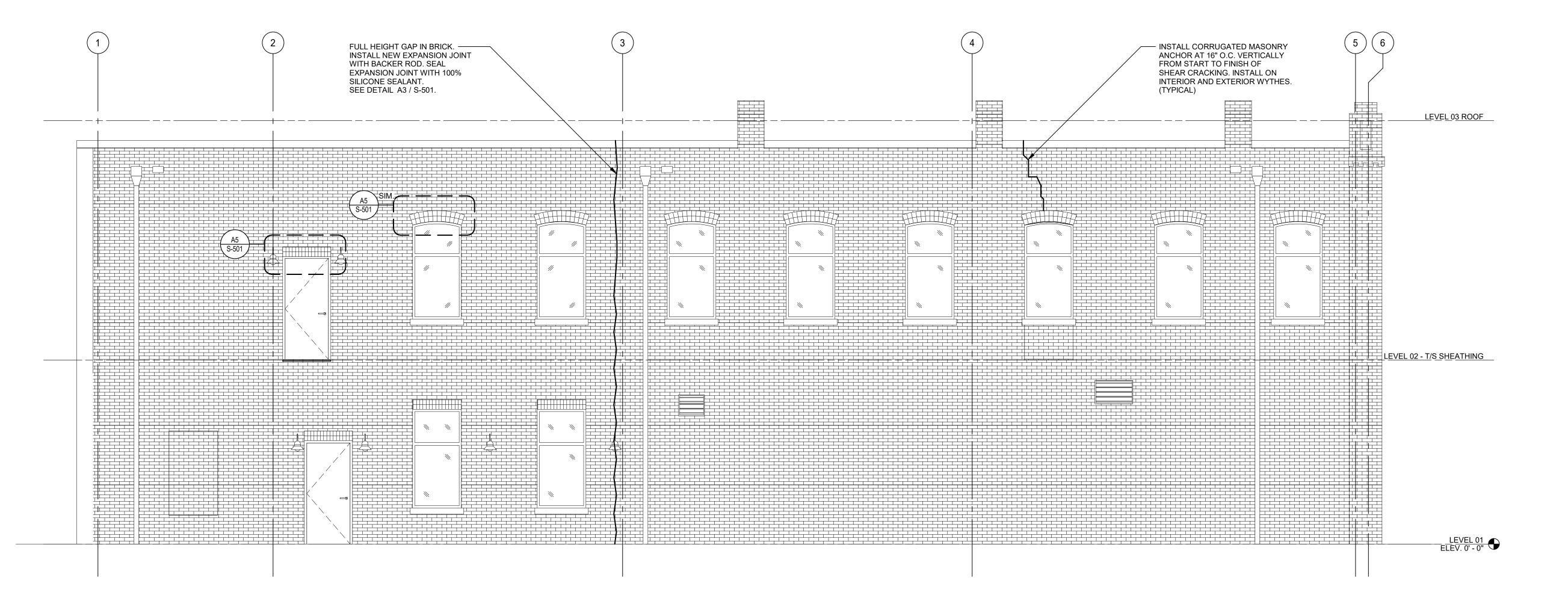
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STRUCTURAL EXTERIOR NORTH ELEVATION

SCALE 1/4" = 1'-0"

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STRUCTURAL EXTERIOR SOUTH ELEVATION

SCALE 1/4" = 1'-0"

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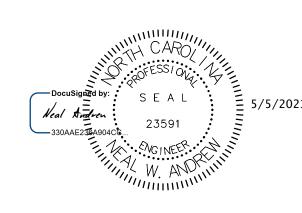
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terior Designer	Sara Shamloo, AIA

Bradley Wynne, PE
M. Ginger Scoggins, Pl
Sara Shamloo, AIA
Robert Bittel, RA
N/A

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STRUCTURAL EXTERIOR ELEVATIONS

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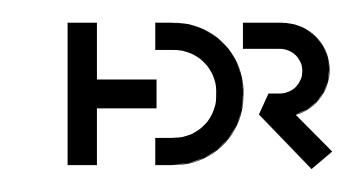
S-202

roject Status BID DOCUMENTS

FLOOR PLAN LEGEND



NOT IN CONTRACT



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ENGINEERS, P.C.

BUILDING STRONG COMMUNITIES BLOCK BY BLOCK



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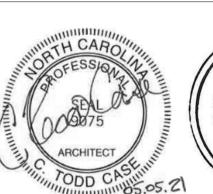
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Neal Andrew, PE Elizabeth Gorney, P Bradley Wynne, PE M. Ginger Scoggins, PE Sara Shamloo, AIA Robert Bittel, RA

Sheet Reviewer RJB DESCRIPTION MARK DATE

Project Number

05/05/2021



OVERALL PLAN -LEVEL 01

A-101

BID DOCUMENTS

TRUE NORTH

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS.

PARTITION RATING GRAPHICS

PARTITION RATING GRAPHIC DESIGNATION

4 HR FIRE RATING 3 HR FIRE RATING 2 HR FIRE RATING & SMOKE BARRIER

2 HR FIRE RATING 1 HR FIRE RATING & SMOKE BARRIER 1 HR FIRE RATING SMOKE PARTITION (NON-RATED) NON-RATED PARTITION

FLOOR PLAN GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS, REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS, AND/OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES, UNLESS NOTED OTHERWISE.
- 4. REFER TO DEMOLITION DRAWINGS AND SPECIFICATIONS FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE
- 5. ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS, UNLESS NOTED OTHERWISE. REFER TO DRAWING
- 6. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE/SMOKE RATING REQUIREMENTS.
- 7. FIRE SEAL AND LABEL ALL PENETRATIONS OF FIRE RATED ASSEMBLIES TO MAINTAIN FIRE RATING AND U.L. RATING; REFER TO SPECIFICATION SECTION 07 84 00.
- B. REFER TO INTERIOR (I-SERIES) DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- 9. REFER TO STRUCTURAL (S-SERIES) DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
- 10. REFER TO MEP (M-SERIES, E-SERIES, P-SERIES) DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
- 12. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.

11. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A3," UNLESS NOTED

- 13. ALL FURNITURE AND EQUIPMENT IS NIC AND TO BE PROVIDED BY OTHERS 14. UNLESS NOTED OTHERWISE, CAREFULLY CLEAN ALL EXISTING TRADITIONAL BRICK TO EXPOSE ORIGINAL FINISH CHARACTER OF THE MASONRY WALLS; REFER TO DIVISION-2 OF THE PROJECT SPECIFICATIONS. THIS INCLUDES
- REMOVAL OF EXISTING PAINT, STUCCO, AND OTHER FINISH APPLICATIONS. 15. REFER TO DRAWING A-721 FOR BLOCKING AND STRAPPING DETAILS AT PARTITIONS. ALL PARTITIONS SUPPORTING CASEWORK, EQUIPMENT,

DRAWING A-601 FOR WINDOW SCHEDULE INFORMATION.

COUNTERS, SHELVING, AND ANY OTHER ITEMS, OWNER PROVIDED OR OTHERWISE, ARE TO INCLUDE BLOCKING AND STRAPPING. 16. FOR LOCATIONS OF WINDOW SHADES AND TYPES OF SHADES; REFER TO

SHEET KEYNOTES

ALUMINUM DOWNSPOUT; COLOR AND FINISH TO MATCH COPING, WINDOWS, AND STOREFRONT. REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION-7 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. PAINT ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND BRACING, FINISH COLOR: BLACK; REFER TO INTERIORS DRAWINGS, SCHEDULES, AND SPECIFICATION SECTION 09 91 23. EXISTING WEATHERED WHITE PAINT TO BE CLEANED, PROTECTED, AND, ENCAPSULATED PER DIVISION-2 OF THE PROJECT SPECIFICATIONS. INFILL MASONRY OPENING WITH MODULAR BRICKS; TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS. APPLY INTUMESCENT FIRE-RESISTIVE PAINT ON STRUCTURAL STEEL COLUMNS, BEAMS, AND BRACING, FINISH COLOR: BLACK; REFER TO U.L. DETAIL Y616 IN GENERAL (G-SERIES) DRAWINGS. WALL MOUNTED MOP RACK: REFER TO DRAWING A-730.

WALL MOUNTED METAL SHELVING; REFER TO DRAWING A-730. INSTALL DOUBLE LAYER OF GYPSUM WALL BOARD ON THIS SIDE OF PARTITION. ELECTRICAL EQUIPMENT; COLOR AND FINISH TO MATCH COPING, WINDOWS, DOWNSPOUTS, AND STOREFRONT. REFER TO ELECTRICAL (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.

PLYWOOD MOUNTED TO EXISTING MASONRY WALL FOR ELECTRICAL EQUIPMENT; REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION. REBUILD EXISTING EDGE OF MASONRY WYTHE UP TO LEVEL 02 TO MAINTAIN PROTRUDED CORNER IN THE EXISITNG WALL AND TO FRAME DOOR OPENING. CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS IN THIS LOCATION.

ALIGN INTERIOR ALUMINUM STOREFRONT JAMBS.

(A1) FIRST FLOOR - FLOOR PLAN

1/4" = 1'-0"

Project Status

FLOOR PLAN LEGEND



NOT IN CONTRACT

PARTITION RATING GRAPHICS

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS

4 HR FIRE RATING

2 HR FIRE RATING

1 HR FIRE RATING

FLOOR PLAN GENERAL NOTES

DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE

THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS, AND/OR

2. DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED &

ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED

PERPENDICULAR WALLS, UNLESS NOTED OTHERWISE. REFER TO DRAWING

6. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE/SMOKE RATING

B. REFER TO INTERIOR (I-SERIES) DRAWINGS FOR ADDITIONAL INTERIOR

11. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A3," UNLESS NOTED

12. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED

WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.

13. ALL FURNITURE AND EQUIPMENT IS NIC AND TO BE PROVIDED BY OTHERS.

14. UNLESS NOTED OTHERWISE, CAREFULLY CLEAN ALL EXISTING TRADITIONAL

BRICK TO EXPOSE ORIGINAL FINISH CHARACTER OF THE MASONRY WALLS;

REFER TO DIVISION-2 OF THE PROJECT SPECIFICATIONS. THIS INCLUDES

REMOVAL OF EXISTING PAINT, STUCCO, AND OTHER FINISH APPLICATIONS.

15. REFER TO DRAWING A-721 FOR BLOCKING AND STRAPPING DETAILS AT PARTITIONS. ALL PARTITIONS SUPPORTING CASEWORK, EQUIPMENT, COUNTERS, SHELVING, AND ANY OTHER ITEMS, OWNER PROVIDED OR

16. FOR LOCATIONS OF WINDOW SHADES AND TYPES OF SHADES; REFER TO

OTHERWISE, ARE TO INCLUDE BLOCKING AND STRAPPING.

DRAWING A-601 FOR WINDOW SCHEDULE INFORMATION.

9. REFER TO STRUCTURAL (S-SERIES) DRAWINGS FOR ADDITIONAL

10. REFER TO MEP (M-SERIES, E-SERIES, P-SERIES) DRAWINGS FOR

7. FIRE SEAL AND LABEL ALL PENETRATIONS OF FIRE RATED ASSEMBLIES TO MAINTAIN FIRE RATING AND U.L. RATING; REFER TO SPECIFICATION

NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.

4. REFER TO DEMOLITION DRAWINGS AND SPECIFICATIONS FOR WORK

REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE

5. ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT

WALLS OR SURFACES, UNLESS NOTED OTHERWISE.

CONTRACT DOCUMENTS, REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR

NON-RATED PARTITION

2 HR FIRE RATING & SMOKE BARRIER

SMOKE PARTITION (NON-RATED)

WITH HATCH PATTERNS.

OMISSIONS ARE DISCOVERED.

ACCORDINGLY.

REQUIREMENTS.

SECTION 07 84 00.

FINISH SPECIFIC INFORMATION.

STRUCTURAL SPECIFIC INFORMATION.

ADDITIONAL MEP SPECIFIC INFORMATION.

PARTITION RATING GRAPHIC DESIGNATION



HDR Architecture HDR Wilmington 101 North 3rd Street Wilmington, NC 28401

BUILDING STRONG COMMUNITIES BLOCK BY BLOCK

• ENGINEERED **DESIGNS INC** North Carolina License #C-1729 1151 SE Cary Parkway, Suite 200 Cary, North Carolina 27518 P 919.851.8481 F 919.851.9703 www.engineereddesigns.com

Wilmington 4th Street Building

1 HR FIRE RATING & SMOKE BARRIER 525 North 4th Street Wilmington, NC 28401

City of Wilmington

102 North Third Street Wilmington, NC 28402

WILMINGTON NORTH CAROLINA

Wilmington Urban Area MPO 305 Chestnut Street

Wilmington, NC 28402



Todd Case, AIA

Stephen Nuttall

Robert Bittel, RA

Chris Tynes, PE

Brandon List, PLA

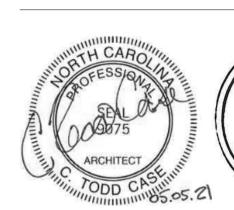
Project Manager Project Designer Project Architect Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer

Neal Andrew, PE Elizabeth Gorney, PE Bradley Wynne, PE M. Ginger Scoggins, PE Sara Shamloo, AIA Robert Bittel, RA

Sheet Reviewer RJB MARK DATE DESCRIPTION

Original Issue

05/05/2021



OVERALL PLAN -LEVEL 02

A-102

BID DOCUMENTS

ALUMINUM DOWNSPOUT; COLOR AND FINISH TO MATCH

SHEET KEYNOTES

COPING, WINDOWS, AND STOREFRONT. REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION-7 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. PAINT ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND BRACING, FINISH COLOR: BLACK; REFER TO INTERIORS DRAWINGS, SCHEDULES, AND SPECIFICATION SECTION 09 91 23. INFILL MASONRY OPENING WITH MODULAR BRICKS; TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS. INSTALL DOUBLE LAYER OF GYPSUM WALL BOARD ON THIS SIDE OF PARTITION.

ALIGN INTERIOR ALUMINUM STOREFRONT JAMBS. STANDARD TWO-WAY COMMUNICATION DEVICE; REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.

SECOND FLOOR - FLOOR PLAN

1/4" = 1'-0"



NOTES:

ON OCTOBER 5, 2020.

1. SURVEY WAS COMPLETED BY ESP ASSOCIATED, INC

HORIZONTAL DATUM USED FOR THIS SURVEY IS NAD 1983 / NSRS 2001 (US SURVEY FEET).

3. VERTICAL DATUM USED IS NAVD 1988 / GEOID 18.

5. CONTRACTOR TO FIELD VERIFY ALL UTILITY

THOSE SHOWN ON THE DRAWINGS.

4. THIS TRACT IS LOCATED WITHIN FEMA "ZONE X" PER FEMA FLOOD INSURANCE RATE MAP 3720316800J EFFECTIVE DATE APRIL 3, 2006.

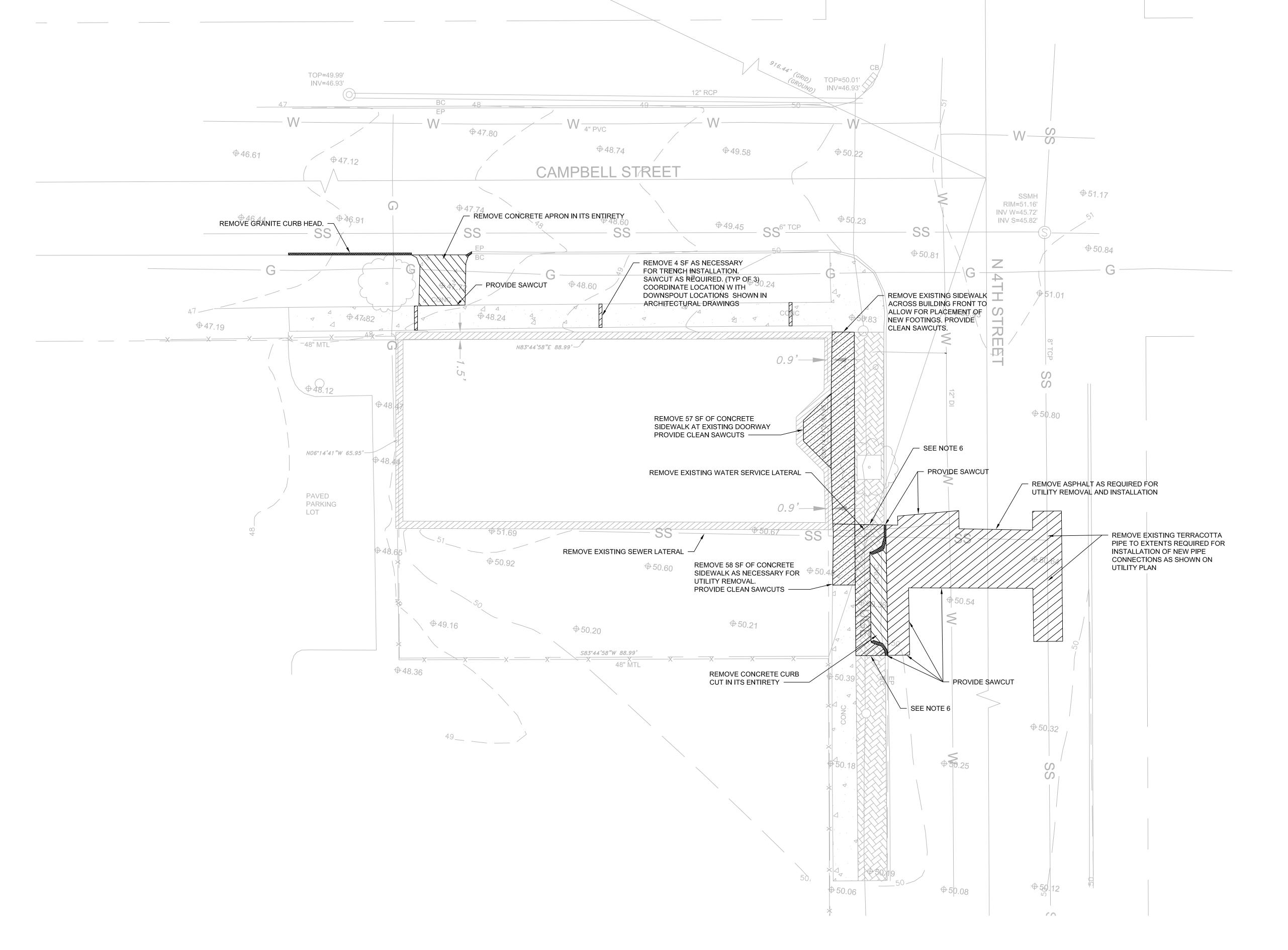
LOCATIONS AND DEPTHS BEFORE COMMENCING ANY

DEMOLITION OR CONSTRUCTION ACTIVITIES. NOTIFY

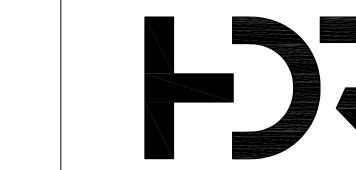
THE ENGINEER IF FIELD CONDITIONS VARY FROM

6. DO NOT SAW CUT BRICKS. REMOVE BRICKS IN WHOLE

FROM THE EXISTING INTERLOCKING PATTERN.



EXISTING CONDITIONS AND DEMOLITION PLAN SCALE: 1" = 10'



HDR Architecture HDR Wilmington 101 North 3rd Street Wilmington, NC 28401





BUILDING STRONG COMMUNITIES BLOCK BY BLOCK

Wilmington 4th Street Building

525 North 4th Street Wilmington, NC 28401

City of Wilmington 102 North Third Street Wilmington, NC 28402



Wilmington Urban Area MPO 305 Chestnut Street Wilmington, NC 28402



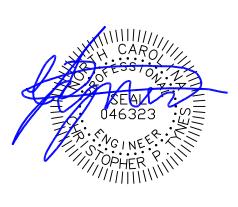
Nicole Peterson

Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer

Sara Shamloo Equipment Planner Sheet Reviewer

MARK DATE DESCRIPTION

0 5/5/21 ISSUED FOR BID

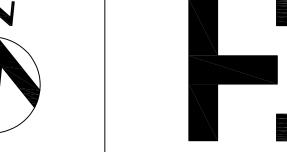


EXISTING CONDITIONS AND DEMOLITION PLAN

C-100

Project Status Construction Documents





NOTES:

- PROTECT EXISTING TREE DURING DEMOLITION AND CONSTRUCTION ACTIVITIES FROM DAMAGE.
- 4. MECHANICAL YARD TO HAVE #67 WASHED STONE PLACED ON TOP OF GEOTEXTILE FABRIC. MECHANICAL AREA TO HAVE A MINIMUM 1% SLOPE AWAY FROM THE BUILDING TO ACCOMMODATE
- 5. RESTORE CONCRETE SIDEWALK ALONG BUILDING FRONT TO EXISTING WIDTH. ENSURE THAT ALL DRAINAGE FLOWS AWAY FROM THE BUILDING AT A MINIMUM 2%.
- MATCHING THE EXISTING. NO SAWCUTS ALLOWED THROUGH EXISTING BRICKS.

- 1. SEE SHEET C-100 FOR EXISTING CONDITIONS AND SURVEY NOTES.
- 3. SEE CIVIL DETAILS FOR SEEDING SPECIFICATIONS.
- WATER FLOW AWAY FROM THE BUILDING.
- 6. BICYCLE RACKS MUST BE SPACED AT LEAST 3 FEET APART.
- 7. PROVIDE NEW BRICKS IN AN INTERLOCKING MANNER

HDR Architecture HDR Wilmington 101 North 3rd Street

Wilmington, NC 28401





BUILDING STRONG COMMUNITIES BLOCK BY BLOCK

Wilmington 4th Street Building

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Wilmington Urban Area MPO 305 Chestnut Street Wilmington, NC 28402



Project Manager Project Designer Project Architect Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer

<u>WayfIndIng</u>

Sara Shamloo Equipment Planner

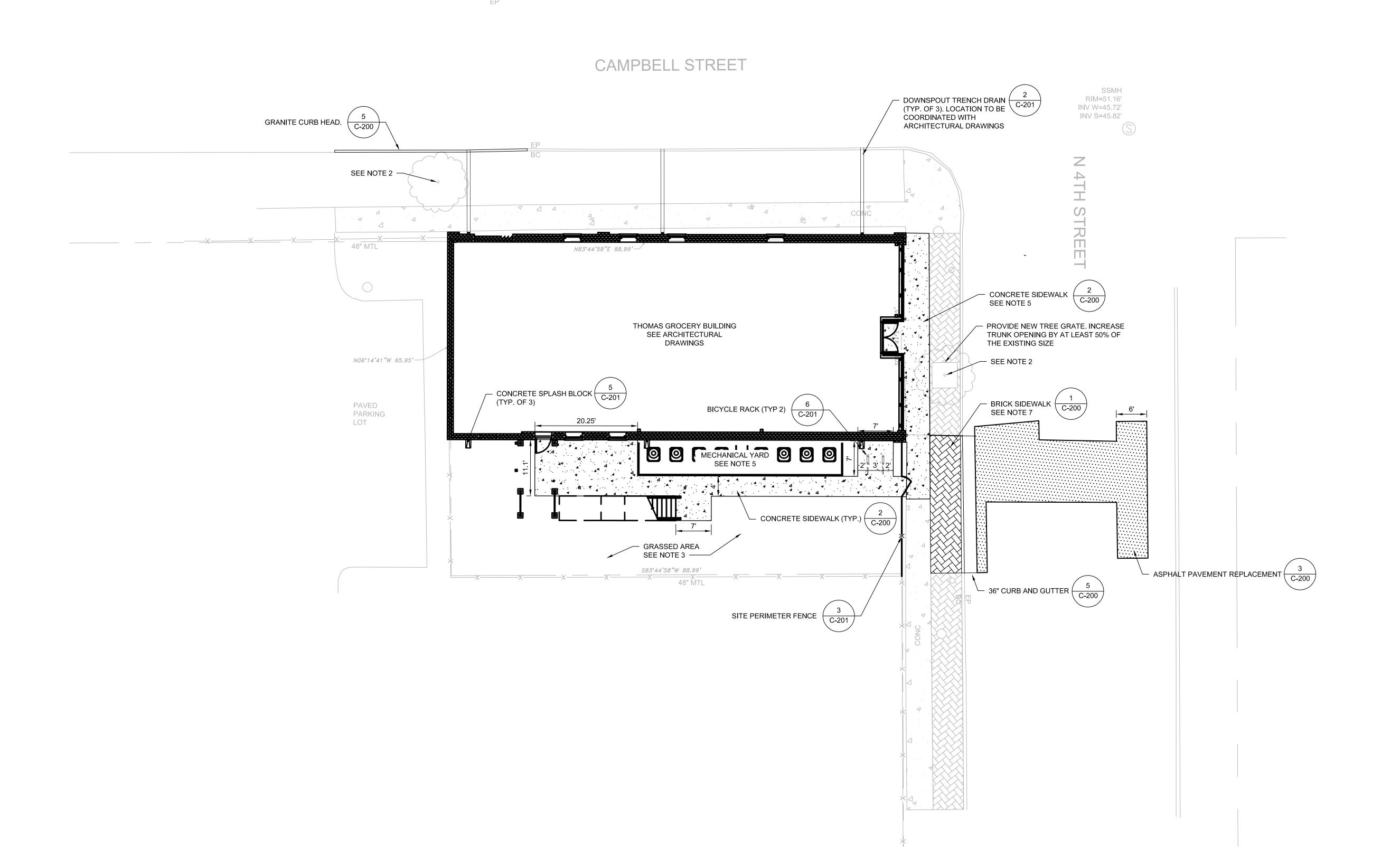
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CIVIL SITE PLAN

C-101

Project Status Construction Documents



CIVIL SITE PLAN

SCALE: 1" = 10'



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Wilmington 4th Street Building

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102 North Third Street Wilmington, NC 28402

305 Chestnut Street

Wilmington, NC 28402

City of Wilmington

- DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS, REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR
- 2. DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED &
- 3. ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED
- 4. REFER TO DEMOLITION DRAWINGS AND SPECIFICATIONS FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE
- 5. ALL FURNITURE AND EQUIPMENT IS NIC AND TO BE PROVIDED BY OTHERS.
- 7. REFER TO MEP (M-SERIES, E-SERIES, P-SERIES) DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
- STRUCTURAL SPECIFIC INFORMATION.
- 10. REFER TO MEP (M-SERIES, E-SERIES, P-SERIES) DRAWINGS FOR

AREA PLAN GENERAL NOTES

- CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS, AND/OR
- NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- WALLS OR SURFACES, UNLESS NOTED OTHERWISE.
- 6. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE/SMOKE RATING

Robert Bittel, RA

WILMINGTON NORTH CAROLINA

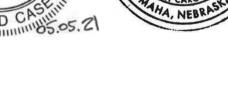
Wilmington Urban Area MPO

Project Manager Landscape Architect Civil Engineer Structural Engineer Plumbing Engineer Sara Shamloo, AIA

Sheet Reviewer

DESCRIPTION





AREA PLAN - LEVEL 01

G-011



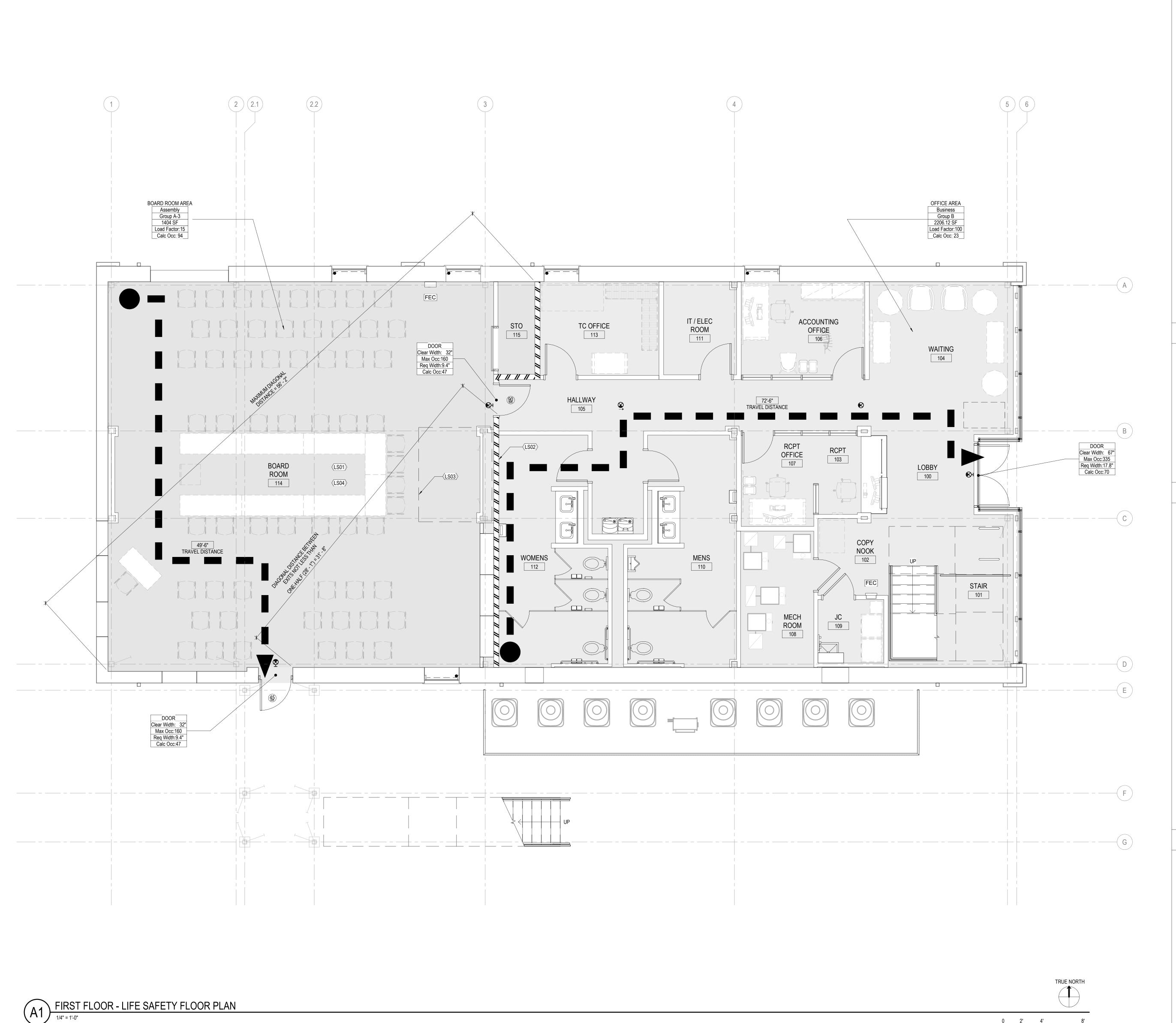
AREA PLAN LEGEND

CONSULTING ENGINEERS, P.C.





G-012





Load Factor:300

Clear Width:34"

Clear Width:44"

TRAVEL DISTANCE

COMMON PATH

 \otimes \blacksquare

أحسأ

FEC

Max Occ:226

Req Width:28"

— CALCULATED OCCUPANT LOAD PER EXIT

— ACTUAL CLEAR WIDTH PROVIDED

(MAXIMUM PER SPACE/ AREA SHOWN)

EXIT LIGHT (SINGLE FACE WALL MOUNTED)

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT

2 HR FIRE RATING & SMOKE BARRIER —

1 HR FIRE RATING & SMOKE BARRIER

SMOKE PARTITION (NON-RATED) —

EXIT LIGHT (SINGLE OR DOUBLE FACE CEILING MOUNTED)

FIRE EXTINGUISHER & CABINET RECESSED MAX TRAVEL DISTANCE: 75'

FIRE EXTINGUISHER & CABINET SURFACE MOUNTED MAX TRAVEL

FIRE EXTINGUISHER SURFACE MOUNTED MAX TRAVEL DISTANCE: 75'

Max Occ:226 — MAXIMUM ALLOWED OCCUPANT LOAD PER STAIR

Req Width:28" REQUIRED MINIMUM WIDTH PER OCCUPANCY

SPACE/AREA SHOWN)

DOOR FIRE RATING

DISTANCE: 75'

NOT IN CONTRACT

PARTITION RATING GRAPHICS

4 HR FIRE RATING

3 HR FIRE RATING

2 HR FIRE RATING

1 HR FIRE RATING

LIFE SAFETY GENERAL NOTES

DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS, REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR

THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR

2. DO NOT SCALE DRAWINGS, IF DIMENSIONAL INFORMATION IS REQUIRED &

NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.

3. ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED

4. REFER TO DRAWING A-601 AND SPECIFICATION SECTION SERIES 08 71 00

5. FIRE SEAL AND LABEL ALL PENETRATIONS OF FIRE RATED ASSEMBLIES TO

MAINTAIN FIRE RATING AND U.L. RATING; REFER TO SPECIFICATION

WALLS OR SURFACES, UNLESS NOTED OTHERWISE.

FOR INFORMATION ON DOOR HARDWARE.

SHEET KEYNOTES

HORIZONTAL 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS ON LEVEL 01 AND LEVEL 02; REFER TO U.L. DETAIL L505 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.L. L505 INCLUDES THE ENTIRE BOARD ROOM WITH THE EXCEPTION OF THE AREA OF

VERTICAL 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS; REFER TO U.L. DETAIL U411 IN

HORIZONTAL 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS ON LEVEL 01 AND LEVEL 02; REFER TO U.L. DETAIL L541 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.L. L541 INCLUDES ONLY THE AREA OF SEPERATION BELOW THE UNISEX BATHROOM ON

REFER TO U.L. DETAILS X528 AND Y616 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA

APPLICABLE TO U.L. X528 AND Y616 INCLUDES THE ENTIRE BOARD ROOM.

SEPERATION BELOW THE UNISEX BATHROOM ON LEVEL 02.

GENERAL (G-SERIES) DRAWINGS.

CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS, AND/OR...

NON-RATED PARTITION -

ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS.

PARTITION RATING GRAPHIC DESIGNATION

Calc Occ:150 CALCULATED OCCUPANT LOAD PER STAIR

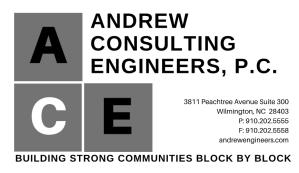
EGRESS STAIR - OCCUPANT LOAD AND WIDTH (IN INCHES)

TRAVEL DISTANCE: LONGEST ROUTE TO AN EXIT (MAXIMUM PER

COMMON PATH: DISTANCE TRAVELED BEFORE AN EXIT PATH IS CHOSEN

NAME OF AREA/SPACE USE DESIGNATION OF AREA/SPACE — SQUARE FOOTAGE OF AREA/SPACE ——LOAD FACTOR —— CALCULATED OCCUPANT LOAD PER AREA/SPACE EGRESS COMPONENT - OCCUPANT LOAD AND WIDTH (IN INCHES) — ACTUAL CLEAR WIDTH PROVIDED --- MAXIMUM ALLOWED OCCUPANT LOAD PER EXIT --- REQUIRED MINIMUM WIDTH PER OCCUPANCY

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PRIORITY

- 5 LOWEST

WILMINGTON

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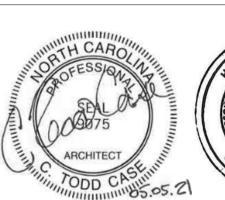
Robert Bittel, RA

Project Manager Project Designer Stephen Nuttall **Project Architect** Robert Bittel, RA Landscape Architect Brandon List, PLA Civil Engineer Chris Tynes, PE Structural Engineer Neal Andrew, PE Mechanical Engineer Elizabeth Gorney, P Electrical Engineer Plumbing Engineer M. Ginger Scoggins, P Interior Designer Sara Shamloo, AIA

Sheet Reviewer DESCRIPTION MARK DATE

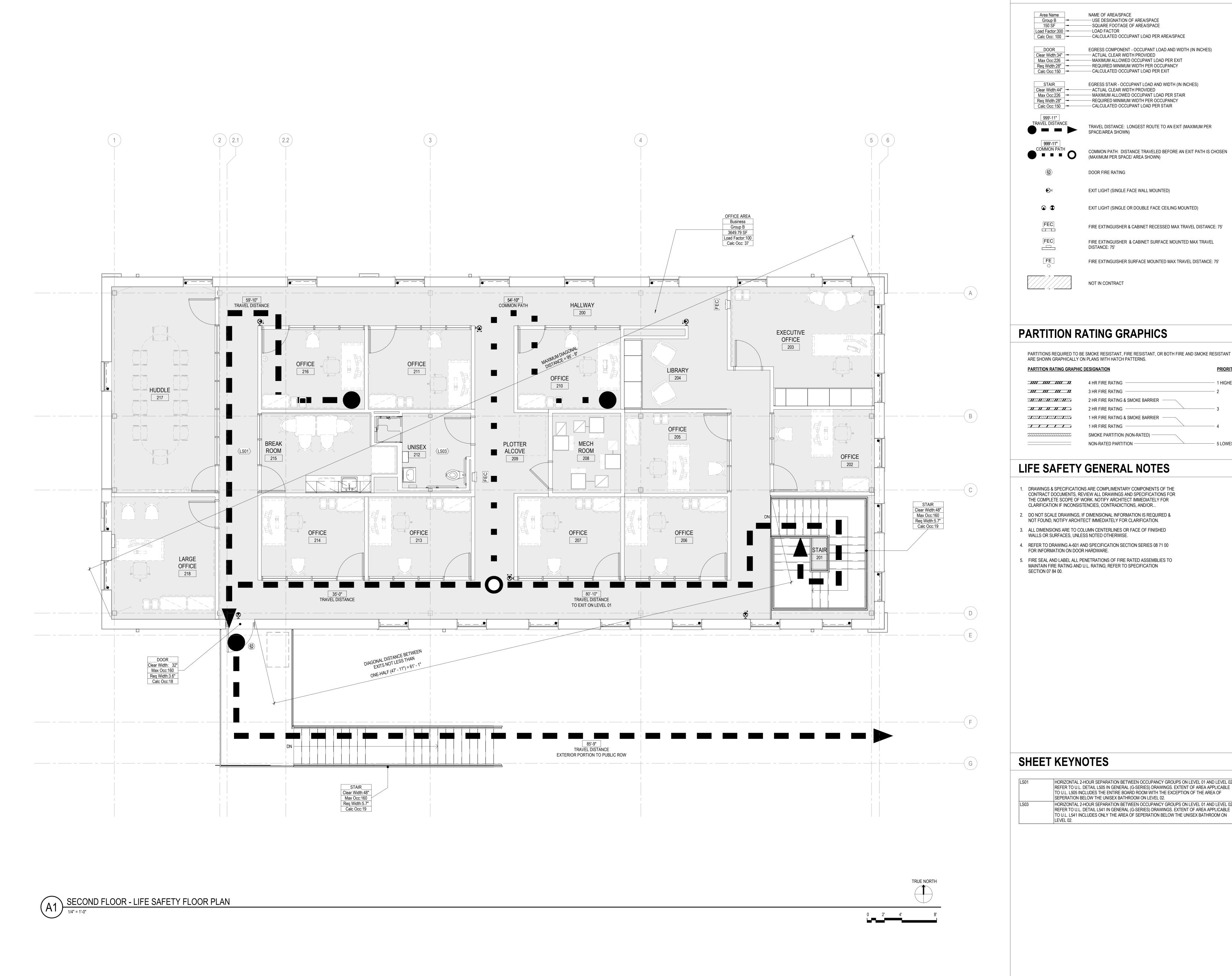
Wayfinding

Project Number Original Issue



LIFE SAFETY PLAN -LEVEL 01

G-101



LIFE SAFETY LEGEND Area Name
Group B
150 SF NAME OF AREA/SPACE USE DESIGNATION OF AREA/SPACE — SQUARE FOOTAGE OF AREA/SPACE ----LOAD FACTOR

— CALCULATED OCCUPANT LOAD PER AREA/SPACE

--- MAXIMUM ALLOWED OCCUPANT LOAD PER EXIT

EGRESS STAIR - OCCUPANT LOAD AND WIDTH (IN INCHES)

TRAVEL DISTANCE: LONGEST ROUTE TO AN EXIT (MAXIMUM PER

COMMON PATH: DISTANCE TRAVELED BEFORE AN EXIT PATH IS CHOSEN

REQUIRED MINIMUM WIDTH PER OCCUPANCY

— CALCULATED OCCUPANT LOAD PER EXIT

— ACTUAL CLEAR WIDTH PROVIDED

— ACTUAL CLEAR WIDTH PROVIDED

(MAXIMUM PER SPACE/ AREA SHOWN)

EXIT LIGHT (SINGLE FACE WALL MOUNTED)

EXIT LIGHT (SINGLE OR DOUBLE FACE CEILING MOUNTED)

FIRE EXTINGUISHER & CABINET RECESSED MAX TRAVEL DISTANCE: 75'

FIRE EXTINGUISHER & CABINET SURFACE MOUNTED MAX TRAVEL

FIRE EXTINGUISHER SURFACE MOUNTED MAX TRAVEL DISTANCE: 75'

SPACE/AREA SHOWN)

DOOR FIRE RATING

DISTANCE: 75'

NOT IN CONTRACT

3 HR FIRE RATING

2 HR FIRE RATING

1 HR FIRE RATING

NON-RATED PARTITION -

2 HR FIRE RATING & SMOKE BARRIER —

HORIZONTAL 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS ON LEVEL 01 AND LEVEL 02;

REFER TO U.L. DETAIL L505 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.L. L505 INCLUDES THE ENTIRE BOARD ROOM WITH THE EXCEPTION OF THE AREA OF

HORIZONTAL 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS ON LEVEL 01 AND LEVEL 02; REFER TO U.L. DETAIL L541 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.L. L541 INCLUDES ONLY THE AREA OF SEPERATION BELOW THE UNISEX BATHROOM ON

SEPERATION BELOW THE UNISEX BATHROOM ON LEVEL 02.

LEVEL 02.

1 HR FIRE RATING & SMOKE BARRIER

SMOKE PARTITION (NON-RATED) -

EGRESS COMPONENT - OCCUPANT LOAD AND WIDTH (IN INCHES)

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PRIORITY

— 5 LOWEST



Wilmington Urban Area MPO 305 Chestnut Street Wilmington, NC 28402



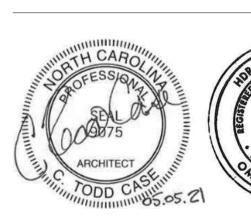
Project Manager	Todd Case, AIA
Project Designer	Stephen Nuttall
Project Architect	Robert Bittel, RA
Landscape Architect	Brandon List, PL
Civil Engineer	Chris Tynes, PE
Structural Engineer	Neal Andrew, PE
Mechanical Engineer	Elizabeth Gorne
Electrical Engineer	Bradley Wynne,
Plumbing Engineer	M. Ginger Scogo
Interior Designer	Sara Shamloo, A
Planner	Robert Bittel, RA

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Project Number

Original Issue

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LIFE SAFETY PLAN -LEVEL 02

G-102