

BID DOCUMENTS 05/05/2021



PROJECT MAP



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 renovation scope includes the following elements:

Exterior building improvements:

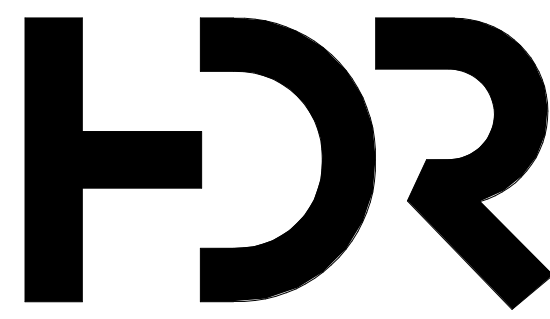
- Roof repairs and modifications, new exterior windows (in original openings), and a new front entry.
- Accessible entry and egress points to the public way.
- Replacement of existing entry at first floor on North 4th Street.
- Opening of original window openings and addition of new windows in the historic facade.
- All exterior improvements designed to meet the Secretary of the Interior's Standards for the Treatment of Historic Properties.

Interior building improvements:

- New mechanical, electrical, and plumbing systems. This includes a new fire alarm system but excludes a building sprinkler system.
- New restrooms to serve the full facility.
- New vertical circulation to connect 1st and 2nd floors.
- Fit-up consists of enclosed offices with associated office support spaces.
- New interior finishes throughout.

DRAWING INDEX

01-GENERAL	COVER SHEET 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 01 LIFE SAFETY PLAN - LEVEL 02
05-CIVIL	EXISTING CONDITIONS AND DEMOLITION PLAN CIVIL SITE PLAN CIVIL UTILITY PLAN GRADING AND DRAINAGE PLAN CIVIL DETAILS CIVIL DETAILS
07-STRUCTURAL	STRUCTURAL DESIGN CRITERIA AND STATEMENT OF SPECIAL INSPECTIONS STRUCTURAL FOUNDATION PLAN LEVEL 01 STRUCTURAL PLAN LEVEL 02 STRUCTURAL PLAN LEVEL 03 STRUCTURAL PLAN STRUCTURAL ROOF PARAPET REPAIR AND BRACING PLAN STRUCTURAL EXTERIOR ELEVATIONS STRUCTURAL EXTERIOR ELEVATIONS STRUCTURAL FRAMING ELEVATIONS STRUCTURAL TRUSS ELEVATIONS STRUCTURAL SECTIONS STRUCTURAL SECTIONS STRUCTURAL EXTERIOR DETAILS STRUCTURAL DETAILS STRUCTURAL DETAILS STRUCTURAL DETAILS STRUCTURAL DETAILS STRUCTURAL DIAGRAMS AND SCHEDULES STRUCTURAL TYPICAL DETAILS
08-ARCHITECTURAL	SYMBOLS, & GENERAL NOTES OVERALL SITE PLAN DEMOLITION PLAN - LEVEL 00 DEMOLITION PLAN - LEVEL 01 DEMOLITION PLAN - LEVEL 02 DEMOLITION PLAN - LEVEL 03 DEMOLITION EXTERIOR ELEVATIONS DEMOLITION EXTERIOR ELEVATIONS OVERALL PLAN - LEVEL 01 OVERALL PLAN - LEVEL 02 OVERALL PLAN - LEVEL 03 REFLECTED CEILING PLAN - LEVEL 01 REFLECTED CEILING PLAN - LEVEL 02 UPPER REFLECTED CEILING PLAN - LEVEL 02 EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS INTERIOR ELEVATIONS INTERIOR ELEVATIONS SECTIONS - BUILDING SECTIONS - EXTERIOR WALL SECTIONS - EXTERIOR WALL SECTIONS - EXTERIOR WALL ENLARGED INTERIOR VIEWS ENLARGED INTERIOR VIEWS ENLARGED INTERIOR STAIR ENLARGED INTERIOR STAIR 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 STANDARD PARTITION TYPES PARTITION FRAMING DETAILS TOILET LAYOUTS AND MOUNTING DIAGRAM INTERIOR CASEWORK STANDARDS ARCHITECTURAL WOODWORK & DETAILS
09-INTERIORS	INTERIOR NOTES AND FINISH LEGEND I-001 I-101 I-102 I-201 I-202 I-501 I-901
12-PLUMBING	PLUMBING LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES PLUMBING DEMOLITION PLANS FIRST FLOOR DOMESTIC WATER PLAN - NEW WORK SECOND FLOOR DOMESTIC WATER PLAN - NEW WORK FIRST FLOOR WASTE AND VENT PLAN - NEW WORK SECOND FLOOR WASTE AND VENT PLAN - NEW WORK PLUMBING RISER DIAGRAMS PLUMBING DETAILS
14-MECHANICAL	MECHANICAL LEGENDS AND ABBREVIATIONS MECHANICAL DETAILS MECHANICAL DETAILS FIRST FLOOR MECHANICAL DUCTWORK PLAN SECOND FLOOR MECHANICAL DUCTWORK PLAN FIRST FLOOR MECHANICAL PIPING PLAN
15-ELECTRICAL	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



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

Project Number | 10251228

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

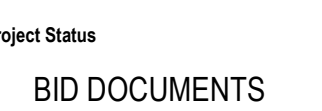
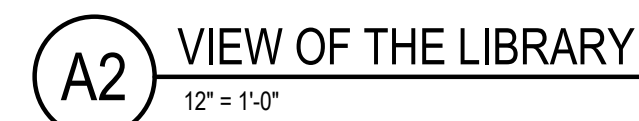


Structural Engineering  
Andrew Consulting Engineers  
3811 Peachtree Avenue, Suite 300  
Wilmington, NC 28403  
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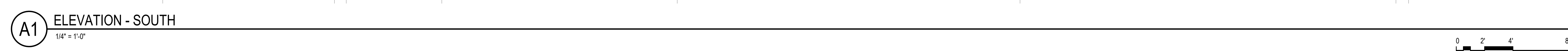
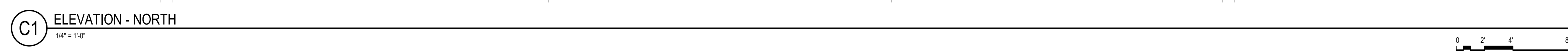


MEP Engineering  
Engineered Designs, Inc  
1151 SE Cary Parkway, Suite 200  
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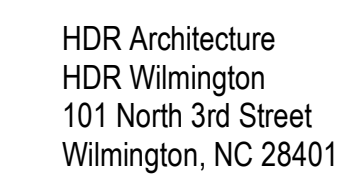






0 2' 4' 8

EWA7	EXTERIOR WALL ASSEMBLY TYPE
W01	EXTERIOR WINDOW ASSEMBLY; REFER TO A-601
L01	LOUVER TYPE; REFER TO A-601
G1	GLAZING/SPANDREL PANEL TYPE; REFER TO A-601



City of Wilmington  
102 North Third Street  
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Project Manager	Todd Case, AIA
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Project Architect	Robert Bittel, RA
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Civil Engineer	Chris Tynes, PE
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Plumbing Engineer	M. Ginger Scoggins, PE
Interior Designer	Sara Shamloo, AIA
Planner	Robert Bittel, RA
Wayfinding	N/A

Sheet Reviewer	RJB
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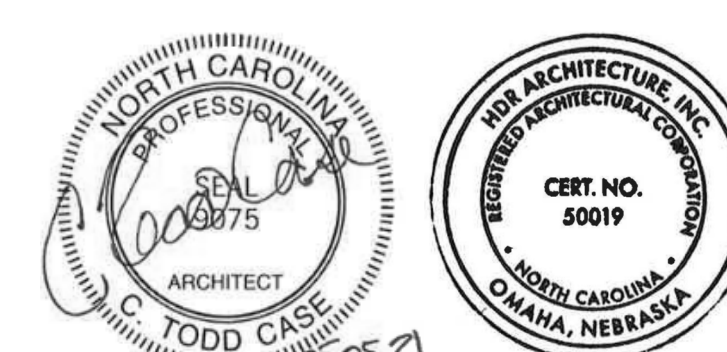
  

MARK	DATE	DESCRIPTION
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A01	ALUMINUM DOWNSPOUT, COLOR AND FINISH TO MATCH COPING, WINDOWS, AND STOREFRONT. REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION 7 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
A04	OVERFLOW SLOPPER, REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION 7 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
A05	PAVEL MASONRY OPENINGS WITH MODULAR BRICKS, TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS.
A11	ELECTRICAL EQUIPMENT, COLOR AND FINISH TO MATCH COPING, WINDOWS, DOWNSPOUTS, AND STOREFRONT. REFER TO ELECTRICAL (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.
A19	CONTRACTOR TO REMOVE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL A-2 COURSE ROWLOCK WINDOW HEAD TO MATCH EXISTING ARCH CONSTRUCTION.
A27	EXTERIOR WALL MOUNTED DECORATIVE LIGHTING: REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.
A28	GRANITE SILL, SIZE, SHAPE, TEXTURE, AND COLOR TO MATCH EXISTING SILLS.
A29	CONTRACTOR TO REMOVE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL A-3 RECONSTRUCTED WALL PARAPET TO MATCH EXISTING WALL PARAPET CONSTRUCTION.
A35	STANDARD TWO-WAY COMMUNICATION DEVICE: REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.
A36	COURSE ROWLOCK WINDOW HEAD, MODULAR BRICKS, TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS.
A37	CONTINUOUS ALUMINUM COPING, COLOR AND FINISH TO MATCH DOWNSPOUT, WINDOWS, AND STOREFRONT.
A67	CONTRACTOR TO REMOVE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL A-3 RECONSTRUCTED VENTILATION HEAD. REMOVE MOLD OF CORNING TO MATCH EXISTING CONSTRUCTION.
A68	CONTRACTOR TO REMOVE SAVED EXISTING TRADITIONAL BRICKS AND INSTALL A-3 RECONSTRUCTED EXTENDED HEIGHT CORBELLED PARAPET TO MATCH EXISTING CONSTRUCTION.

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Sheet Name

## EXTERIOR ELEVATIONS

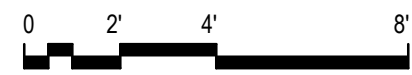
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**A-201**

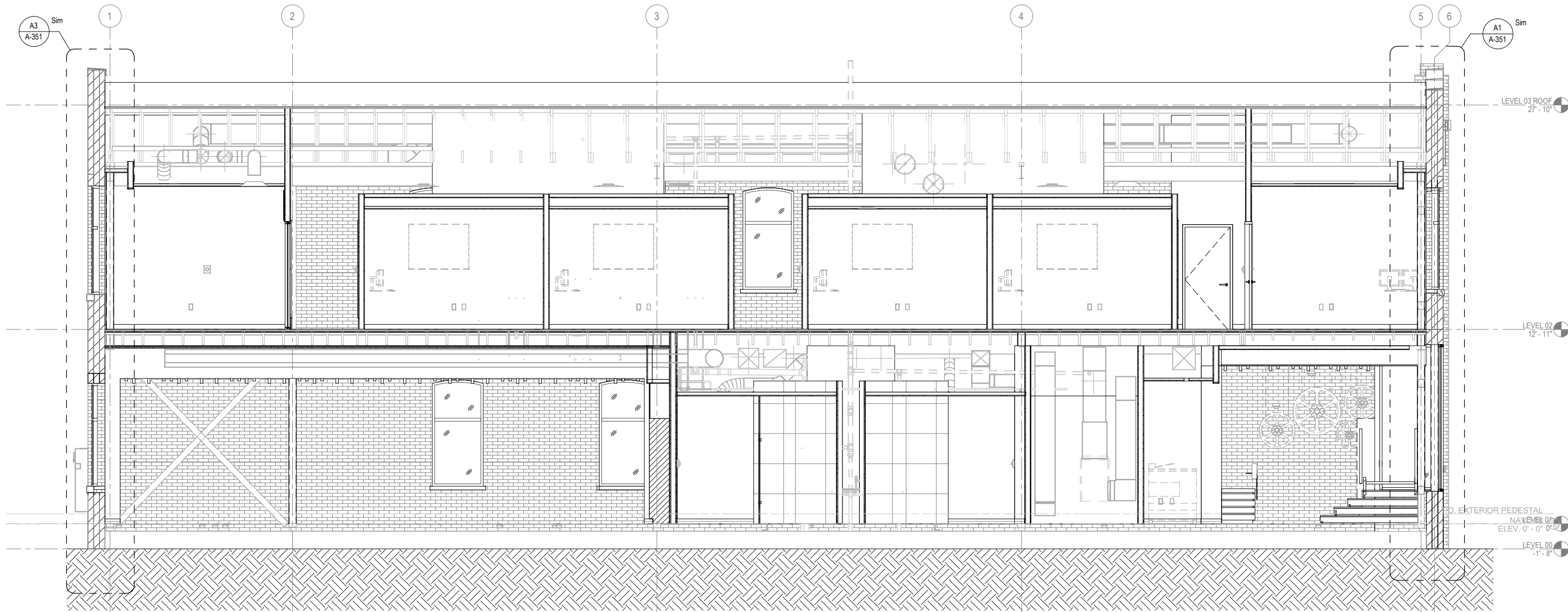
Project Status

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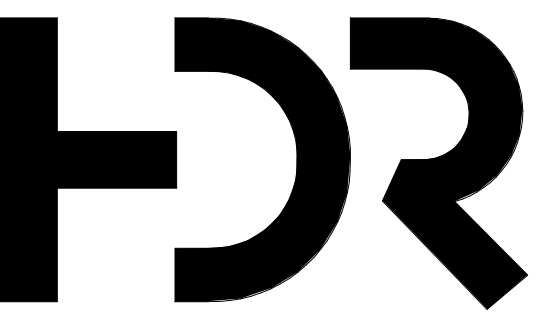




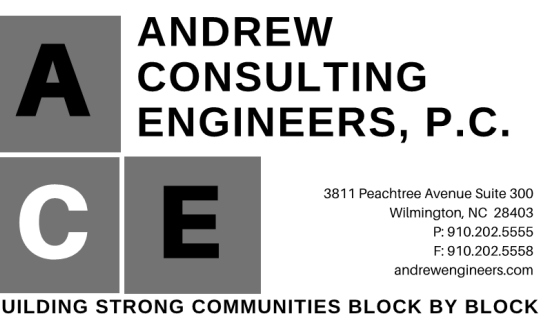








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Interior Designer	Sara Shamloo, AIA
Planner	Robert Bittel, RA
Grading	N/A

Sheet Reviewer	RJB
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MARK	DATE	DESCRIPTION
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## SECTIONS - BUILDING

Sheet Number

**A-301**

**BID DOCUMENTS**

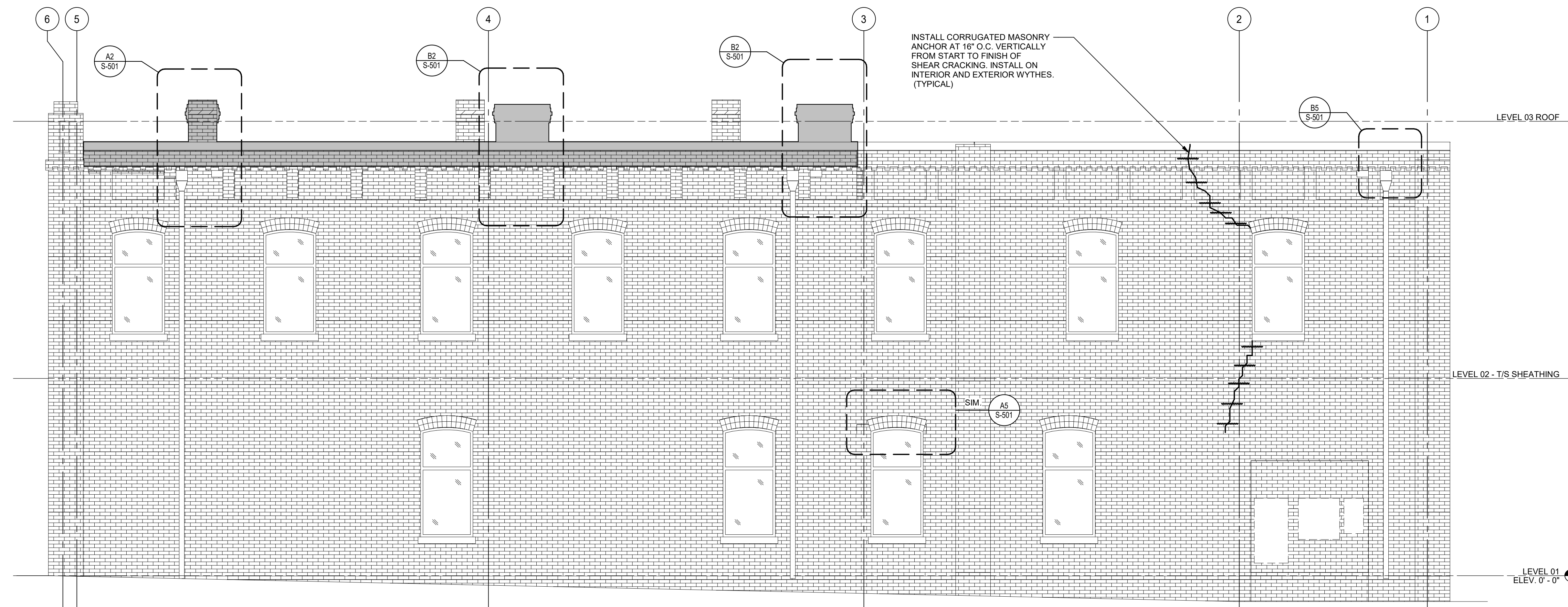
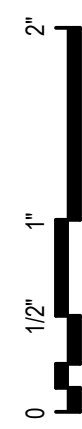




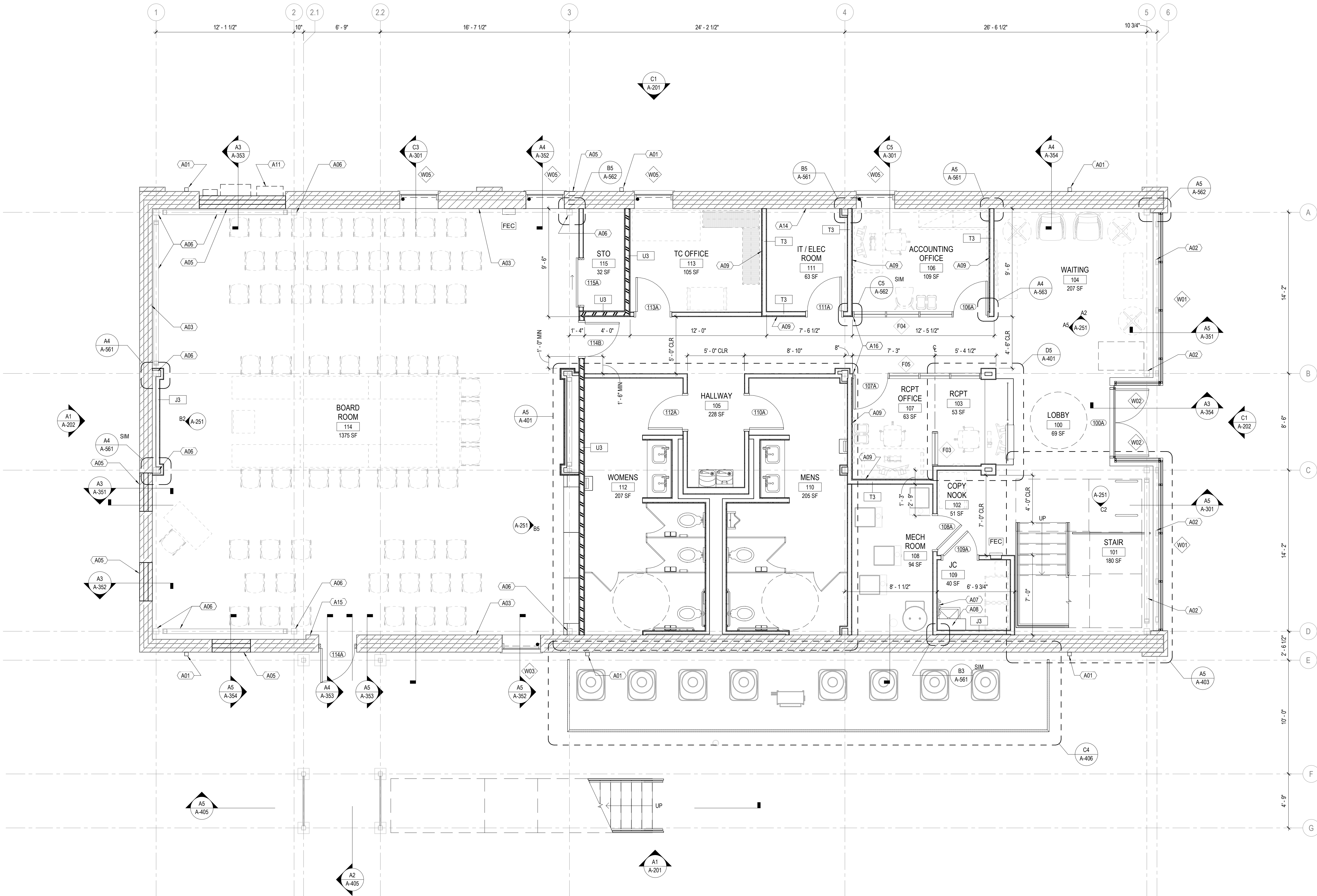


GENERAL SHEET NOTES
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1.  INDICATES FAILED PARAPET TO BE REBUILT WITH EXISTING BRICK.







## 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 WITH HATCH PATTERNS.

### PARTITION RATING GRAPHIC DESIGNATION

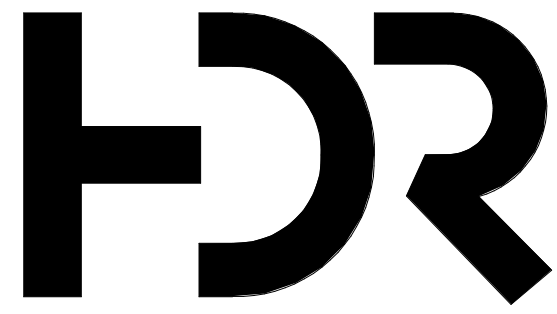
	4 HR FIRE RATING
	3 HR FIRE RATING
	2 HR FIRE RATING & SMOKE BARRIER
	2 HR FIRE RATING
	1 HR FIRE RATING & SMOKE BARRIER
	1 HR FIRE RATING
	SMOKE PARTITION (NON-RATED)
	NON-RATED PARTITION

## FLOOR PLAN GENERAL NOTES

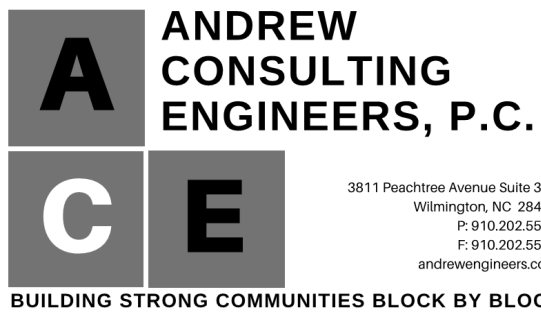
- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS, AND/OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONAL 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.
- REFER TO DEMOLITION DRAWINGS AND SPECIFICATIONS FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS, UNLESS NOTED OTHERWISE. REFER TO DRAWING A-721.
- REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE/SMOKE RATING REQUIREMENTS.
- 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.
- REFER TO INTERIOR (I-SERIES) DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- REFER TO STRUCTURAL (S-SERIES) DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
- REFER TO MEP (M-SERIES, E-SERIES, P-SERIES) DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
- ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE "A3," UNLESS NOTED OTHERWISE.
- HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
- ALL FURNITURE AND EQUIPMENT IS NIC AND TO BE PROVIDED BY OTHERS.
- 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.
- REFER TO DRAWING A-721 FOR BLOCKING AND STRAPPING DETAILS AT PARTITIONS. ALL PARTITIONS SUPPORTING CASEWORK, EQUIPMENT, COUNTERTOPS, SHELVING, AND ANY OTHER ITEMS, OWNER PROVIDED OR OTHERWISE, ARE TO INCLUDE BLOCKING AND STRAPPING.
- FOR LOCATIONS OF WINDOW SHADES AND TYPES OF SHADES, REFER TO DRAWING A-601 FOR WINDOW SCHEDULE INFORMATION.

## SHEET KEYNOTES

A01	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.
A02	PAINT ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND BRACING. FINISH COLOR: BLACK. REFER TO INTERIORS DRAWINGS, SCHEDULES, AND SPECIFICATION SECTION 09 91 23.
A03	EXISTING WEATHERED WHITE PAINT TO BE CLEANED, PROTECTED, AND ENCAPSULATED PER DIVISION-2 OF THE PROJECT SPECIFICATIONS.
A05	INFILL MASONRY OPENING WITH MODULAR BRICKS; TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS.
A06	APPLY INTUMESCENT FIRE RESISTIVE PAINT ON STRUCTURAL STEEL COLUMNS, BEAMS, AND BRACING. FINISH COLOR: BLACK. REFER TO U.L. DETAIL Y516 IN GENERAL (G-SERIES) DRAWINGS.
A07	WALL MOUNTED MOP RACK; REFER TO DRAWING A-730.
A08	WALL MOUNTED METAL SHELVING; REFER TO DRAWING A-730.
A09	INSTALL DOUBLE LAYER OF GYPSUM WALL BOARD ON THIS SIDE OF PARTITION.
A11	ELECTRICAL EQUIPMENT; COLOR AND FINISH TO MATCH COPING, WINDOWS, DOWNSPOUTS, AND STOREFRONT. REFER TO ELECTRICAL (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.
A14	PLYWOOD MOUNTED TO EXISTING MASONRY WALL FOR ELECTRICAL EQUIPMENT; REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.
A15	REBUILD EXISTING EDGE OF MASONRY WYTHE UP TO LEVEL 02 TO MAINTAIN PROTRUDED CORNER IN THE EXISTING WALL AND TO FRAME DOOR OPENING. CONTRACTOR TO REUSE SAVED EXISTING TRADITIONAL BRICKS IN THIS LOCATION.
A16	ALIGN INTERIOR ALUMINUM STOREFRONT JAMBS.



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Electrical Engineer	Bradley Wymie, PE
Plumbing Engineer	M. Ginger Scoggins, PE
Interior Designer	Sara Shamloo, AIA
Planner	Robert Bittel, RA
Writing	N/A

Sheet Reviewer: RJB

MARK DATE DESCRIPTION

Project Number: 10251228

Original Issue: 05/05/2021

Sheet Name

OVERALL PLAN - LEVEL 01

Sheet Number

A-101

Project Status

BID DOCUMENTS

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OVERALL PLAN - LEVEL 01

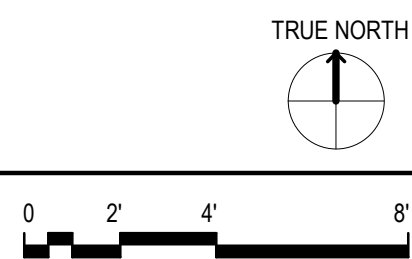
Sheet Number

A-101

Project Status

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A01	ALUMINUM DOWNSPOUT: COLOR AND FINISH TO MATCH COPINGS, WINDOWS, AND STOREFRONT. REFER TO EXTERIOR ELEVATIONS, ROOF PLAN, ROOF DETAILS, AND DIVISION OF THE PROJECT SPECIFICATIONS FOR MATERIAL SELECTION AND FORMATION.
A02	PANT ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND BRACING, FINISH COLOR: BLACK. REFER TO INTERIORS DRAWINGS, SCHEDULES, AND SPECIFICATION SECTION 09 91 23.
A05	FILL MASONRY OPENING WITH MODULAR BRICKS, TEXTURE AND COLOR TO MATCH EXISTING TRADITIONAL BRICKS.
A09	INSTALL DOUBLE LAYER OF GYPSUM WALL BOARD ON THIS SIDE OF PARTITION.
A16	ALIGN INTERIOR ALUMINUM STOREFRONT JAMBS
A58	STANDARD TWO-WAY COMMUNICATION DEVICE. REFER TO (E-SERIES) DRAWINGS FOR ADDITIONAL INFORMATION.

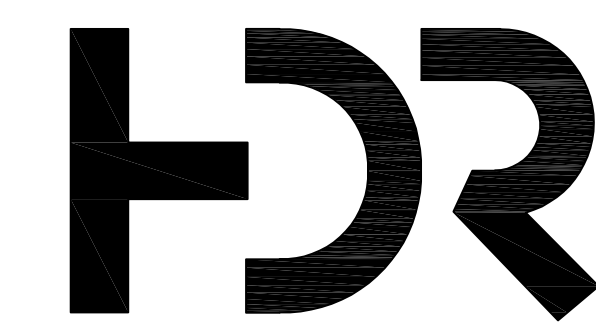


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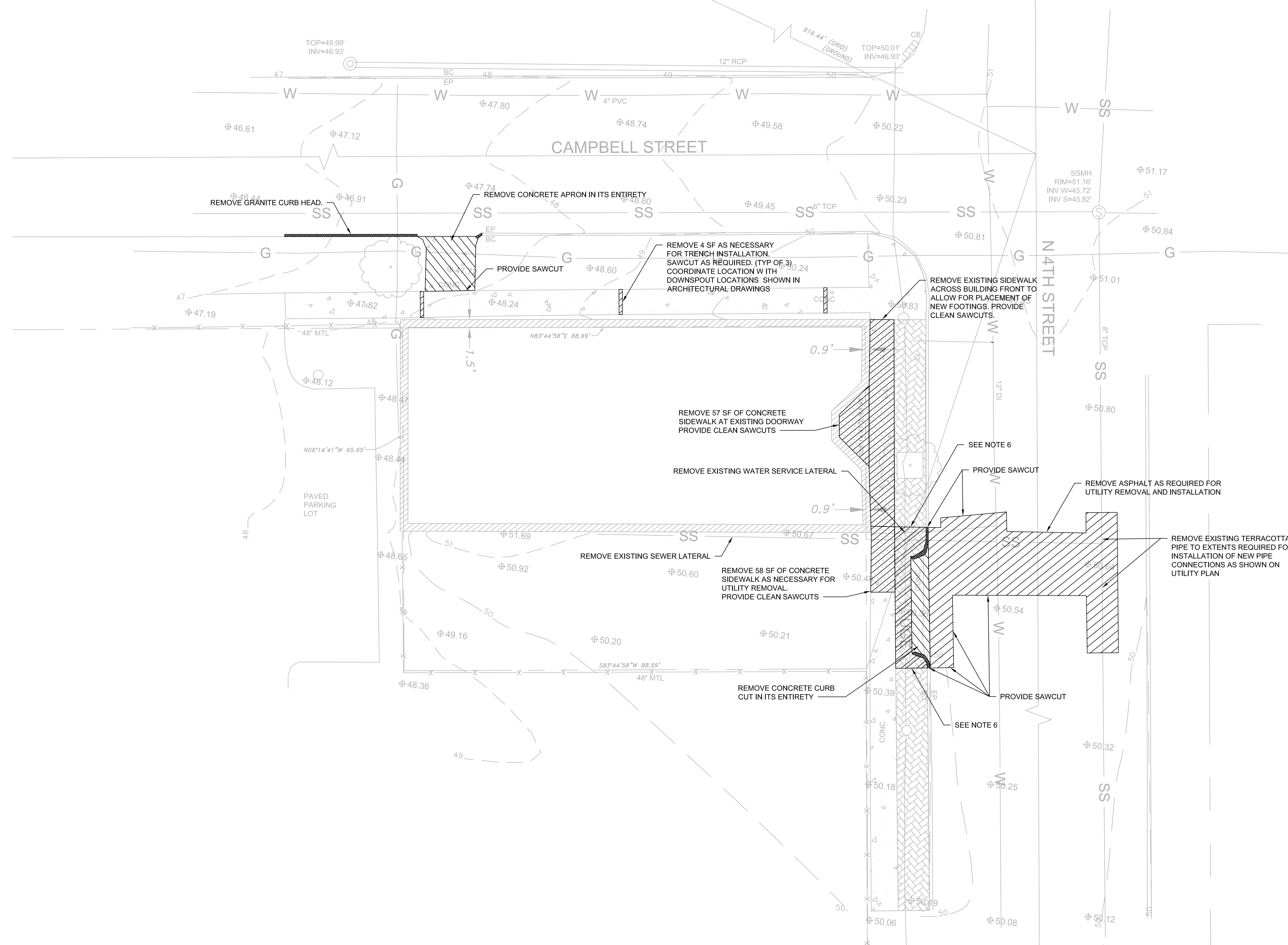
**A** **ANDREW**  
**C** **CONSULTING**  
**E** **ENGINEERS, P.C.**

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[andrewengr.com](http://andrewengr.com)

**BUILDING STRONG COMMUNITIES BLOCK BY BLOCK**

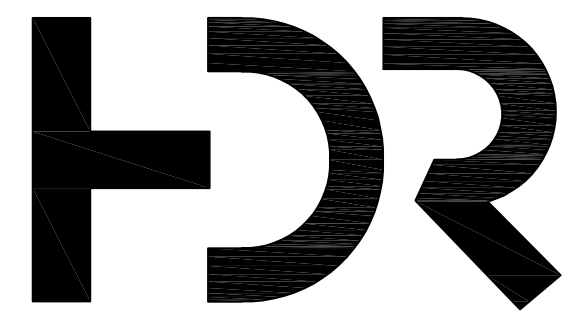
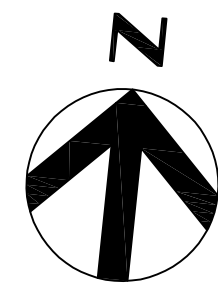
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## Construction Documents



SCALE: 1" = 10'





HDR Architecture  
HDR Wilmington  
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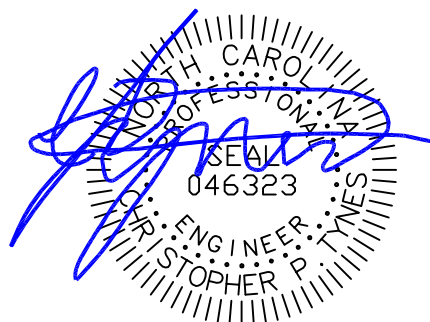


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Structural Engineer	Neal Andrew
Mechanical Engineer	Beth Gomey
Electrical Engineer	Shawn Gray
Plumbing Engineer	Scottie Miller
Interior Designer	Sara Shamloo
Equipment Planner	N/A
Wayfinding	N/A

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
0	5/5/21	ISSUED FOR BID

Project Number: 10251228  
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Sheet Name

CIVIL SITE PLAN

Sheet Number

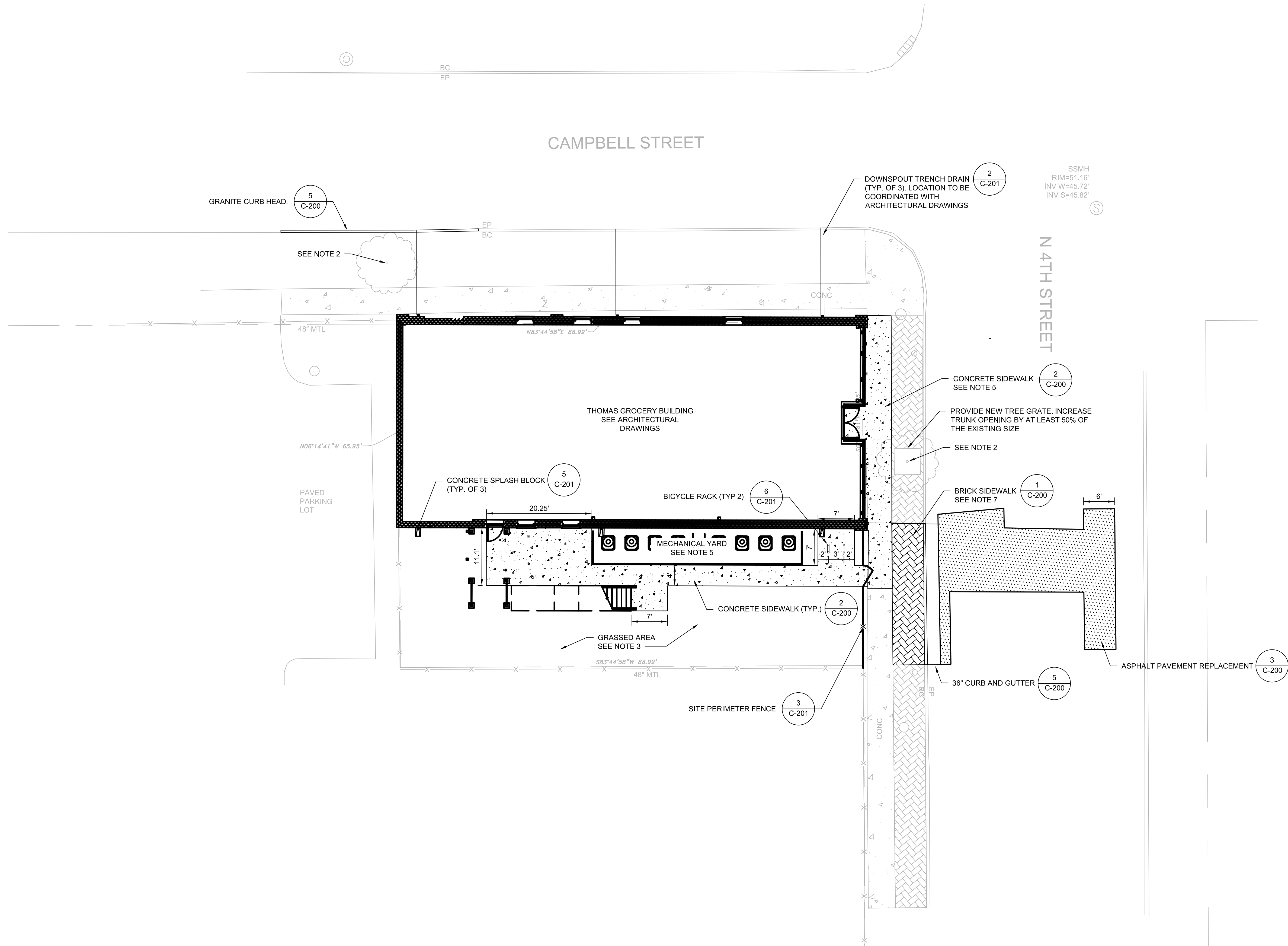
C-101

Project Status

Construction Documents

NOTES:

- SEE SHEET C-100 FOR EXISTING CONDITIONS AND SURVEY NOTES.
- PROTECT EXISTING TREE DURING DEMOLITION AND CONSTRUCTION ACTIVITIES FROM DAMAGE.
- SEE CIVIL DETAILS FOR SEEDING SPECIFICATIONS.
- 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 WATER FLOW AWAY FROM THE BUILDING.
- RESTORE CONCRETE SIDEWALK ALONG BUILDING FRONT TO EXISTING WIDTH. ENSURE THAT ALL DRAINAGE FLOWS AWAY FROM THE BUILDING AT A MINIMUM 2%.
- BICYCLE RACKS MUST BE SPACED AT LEAST 3 FEET APART.
- PROVIDE NEW BRICKS IN AN INTERLOCKING MANNER MATCHING THE EXISTING. NO SAWCUTS ALLOWED THROUGH EXISTING BRICKS.

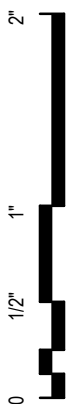


CIVIL SITE PLAN

SCALE: 1" = 10'

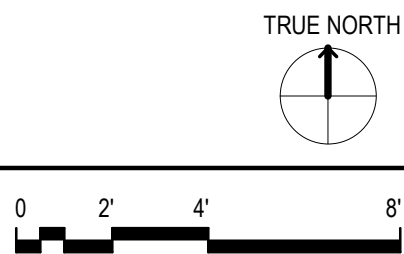


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**A1** FIRST FLOOR - AREA FLOOR PLAN

1/4" = 1'-0"



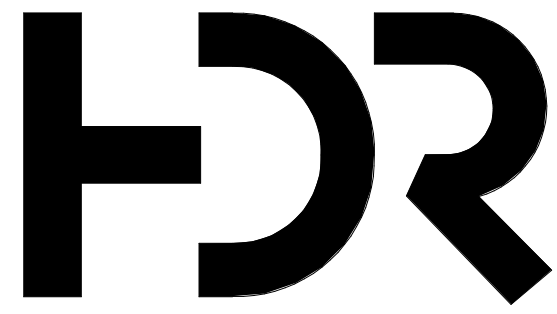
**AREA PLAN LEGEND**

- BATHROOMS
- BUILDING SERVICES
- CIRCULATION
- CONFERENCE
- LOBBY & WAITING
- OFFICE
- OFFICE SUPPORT

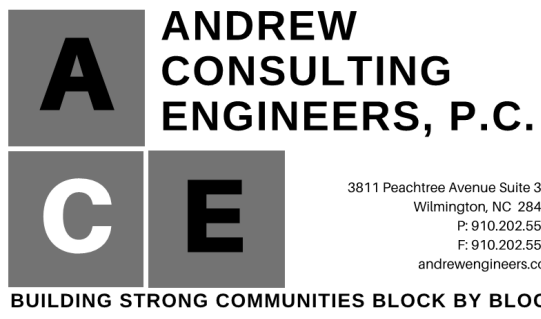
**AREA PLAN GENERAL NOTES**

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- REFER TO MEP (M-SERIES, E-SERIES, P-SERIES) DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
- REFER TO INTERIOR (I-SERIES) DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- REFER TO STRUCTURAL (S-SERIES) DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
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**SHEET KEYNOTES**



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



**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

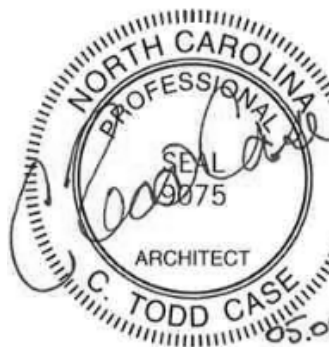


Project Manager	Todd Case, AIA
Project Designer	Stephen Nuttall
Project Architect	Robert Bittel, RA
Landscape Architect	Brandon Lat, PLA
Civil Engineer	Chris Tynes, PE
Structural Engineer	Neal Andrew, PE
Mechanical Engineer	Elizabeth Gorney, PE
Electrical Engineer	Bradley Wynne, PE
Plumbing Engineer	M. Ginger Scoggins, PE
Interior Designer	Sara Shamloo, AIA
Planner	Robert Bittel, RA
Wayfinding	N/A

Sheet Reviewer: RJB

MARK	DATE	DESCRIPTION
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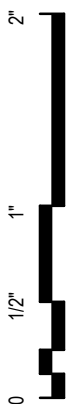


Sheet Name  
**AREA PLAN - LEVEL 01**

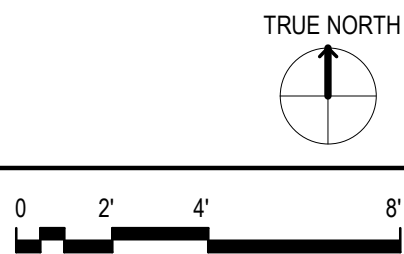
Sheet Number  
**G-011**  
Project Status  
BID DOCUMENTS



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**A1** SECOND FLOOR - AREA FLOOR PLAN  
1/4" = 1'-0"



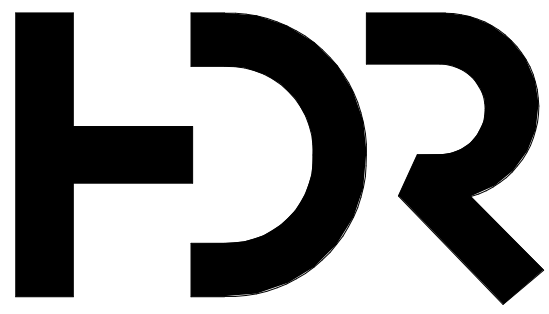
**AREA PLAN LEGEND**

- BATHROOMS
- BUILDING SERVICES
- CIRCULATION
- OFFICE
- OFFICE SUPPORT

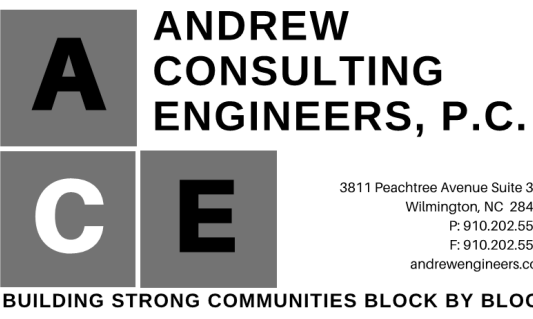
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**SHEET KEYNOTES**



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**Wilmington Urban Area MPO**  
305 Chestnut Street  
Wilmington, NC 28402

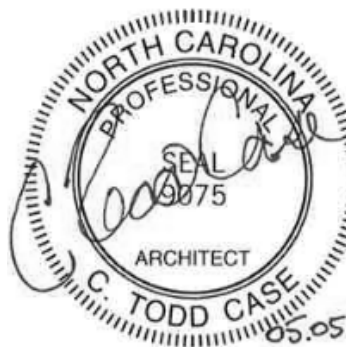


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Project Designer	Stephen Nuttall
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Civil Engineer	Chris Tynes, PE
Structural Engineer	Neal Andrew, PE
Mechanical Engineer	Elizabeth Gorney, PE
Electrical Engineer	Bradley Wynne, PE
Plumbing Engineer	M. Ginger Scoggins, PE
Interior Designer	Sara Shamloo, AIA
Planner	Robert Bittel, RA
Wayfinding	N/A

Sheet Reviewer: RJB

MARK	DATE	DESCRIPTION
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Sheet Name

AREA PLAN - LEVEL 02

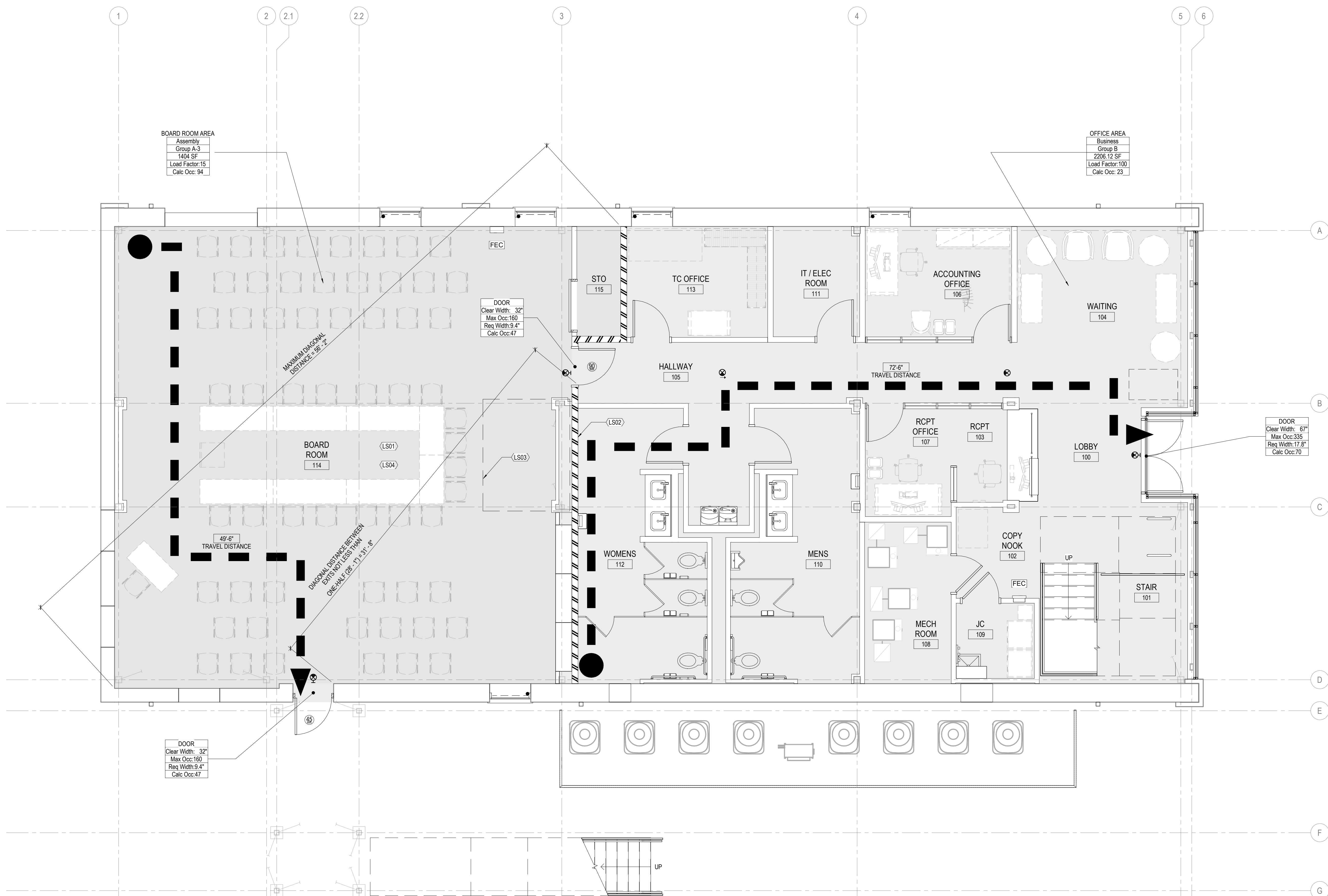
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**G-012**

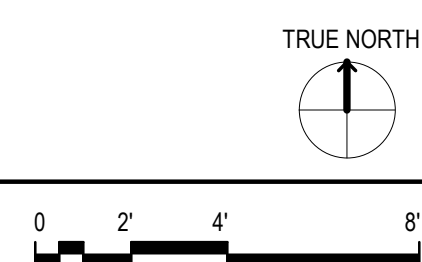
Project Status

BID DOCUMENTS





**A1** FIRST FLOOR - LIFE SAFETY FLOOR PLAN  
1/4" = 1'-0"



## LIFE SAFETY LEGEND

Area Name	NAME OF AREA/SPACE
Group B	USE DESIGNATION OF AREA/SPACE
150 SF	SQUARE FOOTAGE OF AREA/SPACE
Load Factor: 200	LOAD FACTOR
Calc: 300	CALCULATED OCCUPANT LOAD PER AREA/SPACE
<b>DOOR</b>	EGRESS COMPONENT - OCCUPANT LOAD AND WIDTH (IN INCHES)
Clear Width: 34"	ACTUAL CLEAR WIDTH PROVIDED
Max. Occ: 26	MAXIMUM ALLOWED OCCUPANT LOAD PER EXIT
Req. Width: 28"	REQUIRED MINIMUM WIDTH PER OCCUPANCY
Calc: Oct: 150	CALCULATED OCCUPANT LOAD PER EXIT
<b>STAIR</b>	EGRESS STAIR - OCCUPANT LOAD AND WIDTH (IN INCHES)
Clear Width: 44"	ACTUAL CLEAR WIDTH PROVIDED
Max. Occ: 26	MAXIMUM ALLOWED OCCUPANT LOAD PER STAIR
Req. Width: 28"	REQUIRED MINIMUM WIDTH PER OCCUPANCY
Calc: Oct: 150	CALCULATED OCCUPANT LOAD PER STAIR
<b>899'-11"</b>	
<b>TRAVEL DISTANCE</b>	
	TRAVEL DISTANCE: LONGEST ROUTE TO AN EXIT (MAXIMUM PER SPACE/AREA SHOWN)
<b>999'-11"</b>	
<b>COMMON PATH</b>	
	COMMON PATH: DISTANCE TRAVELED BEFORE AN EXIT PATH IS CHOSEN (MAXIMUM PER SPACE/AREA SHOWN)
	DOOR FIRE RATING
	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 DISTANCE: 75'
	FIRE EXTINGUISHER SURFACE MOUNTED MAX TRAVEL DISTANCE: 75'
	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 WITH HATCH PATTERNS.

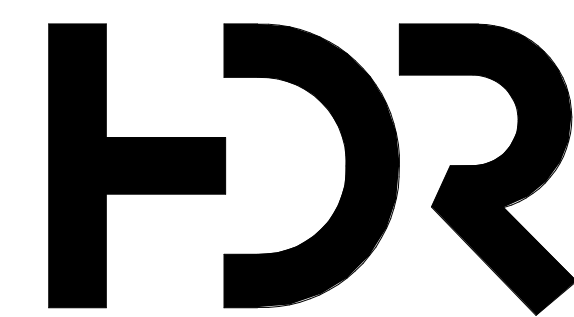
PARTITION RATING GRAPHIC DESIGNATION		PRIORITY
	4 HR FIRE RATING	1 HIGHEST
	3 HR FIRE RATING	2
	2 HR FIRE RATING & SMOKE BARRIER	3
	2 HR FIRE RATING	
	1 HR FIRE RATING & SMOKE BARRIER	4
	1 HR FIRE RATING	
	SMOKE PARTITION (NON-RATED)	5 LOWEST
	NON-RATED PARTITION	

## LIFE SAFETY GENERAL NOTES

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4. REFER TO DRAWING A-601 AND SPECIFICATION SECTION SERIES 08 71 00 FOR INFORMATION ON DOOR HARDWARE.
5. 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.

## SHEET KEYNOTES

L501	HORIZONTAL: 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS ON LEVEL 01 AND LEVEL 02. REFER TO U.I. DETAIL L505 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.I. L505 INCLUDES THE ENTIRE BOARD ROOM WITH THE EXCEPTION OF THE AREA OF SEPARATION BELOW THE UNISEX BOARDROOM ON LEVEL 02.
L502	VERTICAL: 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS; REFER TO U.I. DETAIL L411 IN GENERAL (G-SERIES) DRAWINGS.
L503	HORIZONTAL: 2-HOUR SEPARATION BETWEEN OCCUPANCY GROUPS ON LEVEL 01 AND LEVEL 02. REFER TO U.I. DETAIL L541 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.I. L541 INCLUDES ONLY THE AREA OF SEPARATION BELOW THE UNISEX BOARDROOM ON LEVEL 02.
L504	REFER TO U.I. DETAILS X639 AND Y616 IN GENERAL (G-SERIES) DRAWINGS. EXTENT OF AREA APPLICABLE TO U.I. X529 AND Y616 INCLUDES THE ENTIRE BOARD ROOM.



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Interior Designer	Sara Shamloo, AIA
Planner	Robert Bittel, RA
Wayfinding	N/A

Sheet Reviewer	R.
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Project Number	10251228
Original Issue	05/05/202



Sheet Name

LIFE SAFETY PLAN -  
LEVEL 01

Sheet Number

**G-101**

Project Status

BID DOCUMENTS



