

mahlum

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MAHLUM ARCHITECTS INC

FOR REFERENCE
ONLY



CLACKAMAS COMMUNITY
COLLEGE
DEJARDIN
ADDITION/RENOVATION

19600 MOLALLA AVE.
OREGON CITY, OR 97045



DEJARDIN ADDITION/RENOVATION

CLACKAMAS COMMUNITY COLLEGE

19600 MOLALLA AVE.
OREGON CITY, OR 97045

SCHEMATIC DESIGN

AUGUST 23, 2017

MARK	DATE	DESCRIPTION
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ISSUE DATE:	AUGUST 23, 2017
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ISSUE:	SCHEMATIC DESIGN
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PROJECT NO.:	2017401
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DRAWN BY:	KF
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CHECKED BY:	KO
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COVER SHEET

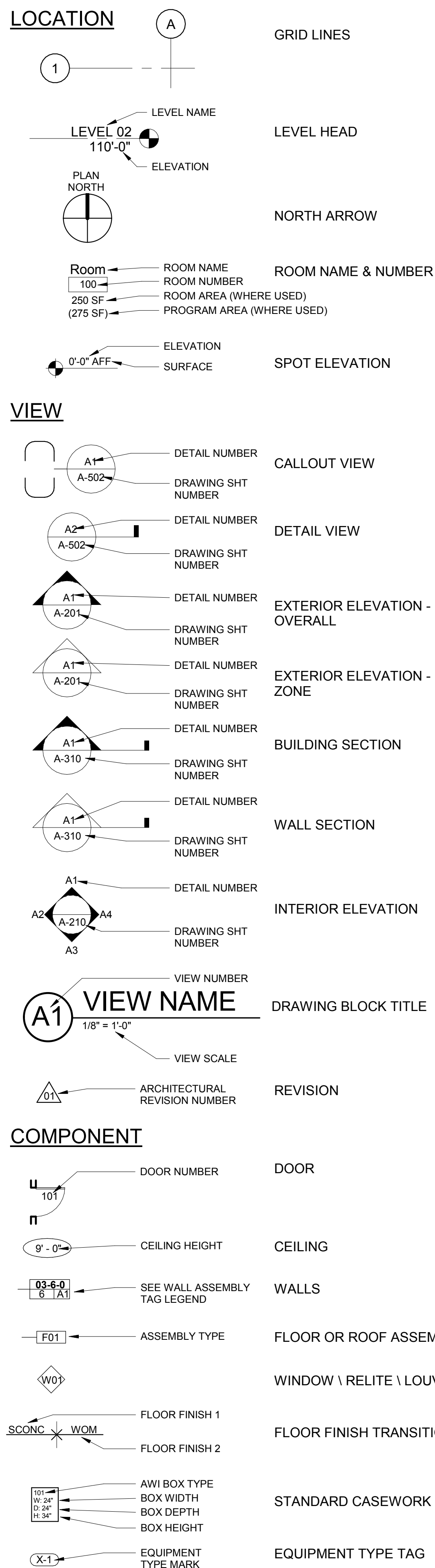
EXHIBIT F

G-001

ABBREVIATIONS

AB ANCHOR BOLT	INT INTERIOR
ACT ACUSTICAL CEILING TILE	JAN JANITOR
ADDL ADDITIONAL	L LONG
AFF ABOVE FINISH FLOOR	LAV LAVATORY
ALUM ALUMINUM	MAS MASONRY
ANOD ANODIZED(D)	MATL MATERIAL
APPROX APPROXIMATE	MAX MAXIMUM
ARCH ARCHITECT (URAL)	MCH MECHANICAL
BD BOARD	MFD MANUFACTURED
BITUM BITUMINOUS	MFR MANUFACTURE (R)
BLDG BUILDING	MN MINIMUM MINUTE
BLKG BLOCKING	MISC MISCELLANEOUS
BM BEAM	MO MASONRY OPENING
BO BOTTOM OF	MTD MOUNTED
BOT BOTTOM	MTL METAL
C CHANNEL	NA NOT APPLICABLE
CB CATCH BASIN	NC NOT IN CONTRACT
CF/OI CONTRACTOR FURNISHED; OWNER INSTALLED	NO NUMBER
CG CORNER GUARD	NOM NOMINAL
CL CENTERLINE	NTS NET TO SCALE
CLG CEILING	OA OVERALL
CLR CLEAR	OC ON CENTER
CMU CONCRETE MASONRY UNIT	OD OUTSIDE DIAMETER
COL COLUMN	OF/CI OWNER FURNISHED; CONTRACTOR INSTALLED
CONC CONCRETE	OF/OI OWNER FURNISHED; OWNER INSTALLED
CONT CONTINUOUS	OH OVERHANG
CONTR CONTRACT (OR)	OPH OPPOSITE HAND
COORD COORDINATE	OPNG OPENING
CPT CARPET (ED)	OPP OPPOSITE
CT CERAMIC TILE	ORD OVERFLOW ROOF DRAIN
DEMO DEMOLISH, DEMOLITION	OVHD OVERHEAD
DET DETAIL	PL PROPERTY LINE
DF DRINKING FOUNTAIN	PLAM PLASTIC LAMINATE
DIA DIAMETER	PLWD PLYWOOD
DIM DIMENSION	PT PAINT, PRESSURE TREATED
DN DOWN	PVG PAVING
DS DOWNSPOUT	R RADIUS, RISER
DWG DRAWING	RB RUBBER/RESILIENT BASE
E EAST	RCP REFLECTED CEILING PLAN
EA ELEVATION	RD ROOF DRAIN, ROAD
ELEC ELECTRIC (AL)	REQD REQUIRED
ELEV ELEVATOR	RM ROOM
ENCL ENCLOSE (URE)	RO ROUGH OPENING
EQ EQUAL	S SOUTH
EXP EQUIPMENT	SAM SELF ADHERING MEMBRANE
EW EACH WAY	SAM-HT SELF ADHERING MEMBRANE HIGH TEMP
EXIST EXISTING	SAM-MC SELF ADHERING MEMBRANE METAL CLAD
EXP EXPANSION	SCHED SCHEDULE
EXT EXTERIOR	SCHED SQUARE FOOT (FEET)
FAF FLUID APPLIED FLASHING	SHT SHEET
FD FLOOR DRAIN	SHTG SHEATHING
FDN FOUNDATION	SIM SIMILAR
FEC FIRE EXTINGUISHER CABINET	SPKLR SPRINKLER
FF FINISH FACE	SQ SQUARE
FH FUME HOOD	SS SANITARY SEWER;
FIN FINISHED	STD STANDARD
FLR FLOOR	STOR STORAGE
FOC FACE OF CONCRETE	STRCT STRUCTURE (AL)
FOF FACE OF FINISH	SUSP (SUSPENDED)
FOM FACE OF MASONRY	SV SHEET VINYL
FOS FACE OF STUDS	T TREAD
FRMG FRAMING	TB TACK BOARD
FRTW FIRE RETARDANT TREATED WOOD	TFRU TOP OF FINISH FLOOR THROUGH
FT FOOT, FEET	TMPD TEMPERED
FTG FOOTING	TOM TOP OF MASONRY TYPICAL
GA GAGE	UNO UNLESS NOTED OTHERWISE
GALV GALVANIZED, GALVANIC	UTL UTILITY
GAR GARAGE	VEH VEHICLE
GB GRAB BAR, GYPSUM BOARD	VERT VERTICAL
GC GENERAL CONTRACTOR	VERFY VERIFY
GL GLASS	VIF VERIFY IN FIELD
GYP GYPSUM	W WEST, WIDE, WASHER
H HIGH	WI WITH
HB HOSE BIBB	WO WITHOUT
HC HANDICAP	WID HEATING, VENTILATION, AIR CONDITIONING
HDW HARDWARE	WD WOOD, WOOD DOOR
HM HOLLOW METAL	WDW WINDOW
HORIZ HORIZONTAL	WR WEATHER RESISTANT, WATER REPELLENT
HR HOUR	WRB WEATHER RESISTIVE BARRIER
HT HEIGHT	WSCT WAINSCOT
HVAC HEATING, VENTILATION, AIR CONDITIONING	
IBC INTERNATIONAL BUILDING CODE	
INCL INCLUDING (ED)	
INFO INFORMATION	
INSUL INSULATION	

SYMBOLS



SHEET INDEX

01-GENERAL

- G-001 COVER SHEET
- G-002 SHEET INDEX, PROJECT INFORMATION, ABBREVIATIONS, SYMBOL LEGEND, GENERAL NOTES, PROJECT DIRECTORY
- G-101 LIFE SAFETY PLAN

03-CIVIL

- C-101 CIVIL

06-LANDSCAPE

- L-100 SITE PLAN AND PLANTING TYPOLOGIES

05-STRUCTURAL

- S-121A FIRST FLOOR PLAN - SECTOR 01
- S-122A SECOND FLOOR PLAN - SECTOR 01
- S-141A PARTIAL ROOF PLAN - SECTOR 01

06.0-ARCHITECTURAL DEMO

- AD-111 FIRST FLOOR PLAN - DEMOLITION
- AD-112 SECOND FLOOR PLAN - DEMOLITION
- AD-131 DEMOLITION ROOF PLAN
- AD-151 FIRST FLOOR REFLECTED CEILING PLAN - DEMOLITION
- AD-152 SECOND FLOOR REFLECTED CEILING PLAN - DEMOLITION
- AD-211 EXTERIOR ELEVATIONS - DEMOLITION

06.1-ARCHITECTURAL

- A-101 ARCHITECTURAL SITE PLAN
- A-111 OVERALL FLOOR PLANS
- A-121A FIRST FLOOR PLAN - SECTOR 01
- A-121B FIRST FLOOR PLAN - SECTOR 02
- A-122A SECOND FLOOR PLAN - SECTOR 01
- A-122B SECOND FLOOR PLAN - SECTOR 02
- A-131 OVERALL ROOF PLAN
- A-141A PARTIAL ROOF PLAN - SECTOR 01
- A-151 REFLECTED CEILING PLAN
- A-161A FIRST FLOOR RCP - SECTOR 01
- A-161B FIRST FLOOR RCP - SECTOR 02
- A-162A SECOND FLOOR RCP - SECTOR 01
- A-162B SECOND FLOOR RCP - SECTOR 02
- A-171 FINISH FLOOR PLANS
- A-211 EXTERIOR ELEVATIONS - OVERALL
- A-221 EXTERIOR ELEVATIONS
- A-311 BUILDING SECTIONS

07-LAB

- LF-121A FIRST FLOOR PLAN - SECTOR 01 - LAB
- LF-122A SECOND FLOOR PLAN - SECTOR 01 - LAB

08-PLUMBING

- P-211A FIRST FLOOR PLAN - SECTOR 01 - PLUMBING
- P-221A SECOND FLOOR PLAN - SECTOR 01 - PLUMBING

09-MECHANICAL

- M-211A FIRST FLOOR PLAN - SECTOR 01 - MECHANICAL
- M-221A SECOND FLOOR PLAN - SECTOR 01 - MECHANICAL
- M-231A ROOF PLAN - SECTOR 01 - MECHANICAL

10-ELECTRICAL

- E-121A FIRST FLOOR POWER PLAN - SECTOR 01
- E-121B SECOND FLOOR POWER PLAN - SECTOR 01
- E-601 ONE-LINE DIAGRAM

PROJECT DATA

PROJECT DESCRIPTION:	22,564 SF ADDITION TO EXISTING SCIENCE BUILDING ON COMMUNITY COLLEGE CAMPUS WITH MINOR EXTERIOR AND INTERIOR RENOVATION WORK TO EXISTING BUILDING.
PROJECT ADDRESS:	19600 MOLALLA AVE. OREGON CITY, OR 97045
PARCEL NO:	
RELATED PERMITS:	N/A
DEFERRED SUBMITTALS:	TBD



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MAHLUM ARCHITECTS INC

PROJECT TEAM

OWNER	CLACKAMAS COMMUNITY COLLEGE 19600 S. MOLALLA AVE. OREGON CITY, OR 97045 425.882.8183 OFFICE CONTACT: PATTI MILES, INICI GROUP PMM@INICIGROUP.COM
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CIVIL ENGINEER	KPFF 111 SW FIFTH AVENUE, SUITE 2500 PORTLAND, OR 97204 503.542.3860 OFFICE CONTACT: PAUL DEDYO, PE PAUL.DEDYO@KPFF.COM
STRUCTURAL ENGINEER	CATENA ENGINEERS 1500 NE IRVING STREET, SUITE 412 PORTLAND, OR 97232 503.467.4980 OFFICE CONTACT: JARED LEWIS, PE, SE JARED@CATENAENGINEERS.COM
MECHANICAL ENGINEER	INTERFACE 100 SW MAIN STREET, SUITE 1600 PORTLAND, OR 97204 503.382.2694 OFFICE CONTACT: BRIAN BUTLER, ASSOC. PRINCIPAL BRIANBUTLER@INTERFACEENG.COM
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LABORATORY CONSULTANT	RFD 3965 FIFTH AVENUE, SUITE 400 SAN DIEGO, CA 92103 619.756.2681 OFFICE CONTACT: MARK RANYAK MWR@RFD.COM

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CLACKAMAS COMMUNITY COLLEGE
DEJARDIN
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19600 MOLALLA AVE.
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PATTERNS

MATERIAL	
	ASPHALT
	CONCRETE
	EARTH
	GRAVEL
	GYPSUM BOARD
	INSULATION - ACOUSTICAL
	INSULATION - BATT
	INSULATION - RIGID
	MASONRY - BRICK
	MASONRY - CONCRETE BLOCK
	METAL - ALUMINUM
	METAL - STEEL
	SAND
	WOOD - BLOCKING
	WOOD - CONTINUOUS
	WOOD - FINISH
	WOOD - PARTICLE BOARD

VICINITY MAP



DEJARDIN
ADDITION &
RENOVATION

MARK	DATE	DESCRIPTION
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ISSUE DATE: AUGUST 23, 2017
ISSUE: SCHEMATIC DESIGN

PROJECT NO: 2017401
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SHEET INDEX, PROJECT INFORMATION, ABBREVIATIONS, SYMBOL LEGEND, GENERAL NOTES, PROJECT DIRECTORY

G-002

CODE SUMMARY

REFERENCE CODES

Table listing reference codes: OSBC (Oregon Structural Specialty Code), OEESC (Oregon Energy Efficiency Specialty Code), OPSC (Oregon Plumbing Specialty Code), OEESC (Oregon Electrical Specialty Code), OVSC (Oregon Elevator Specialty Code), OFC (Oregon Fire Code), and NFPA (National Fire Protection Association).

OREGON ENERGY EFFICIENCY CODE

Table detailing energy efficiency requirements for Section 502, including insulation, fenestration, and slab-on-grade floors.

FIRE AND LIFE SAFETY (CONTINUED)

Table detailing fire and life safety requirements for Section 506 (Building Area Modifications) and Section 1005 (Means of Egress Sizing).

DEFERRED SUBMITTALS

- List of deferred submittals including fall arrest/safety restraint system, curtain wall, skylights, mechanical/electrical/plumbing and lab equipment anchorage, and fire alarm system.

ZONING

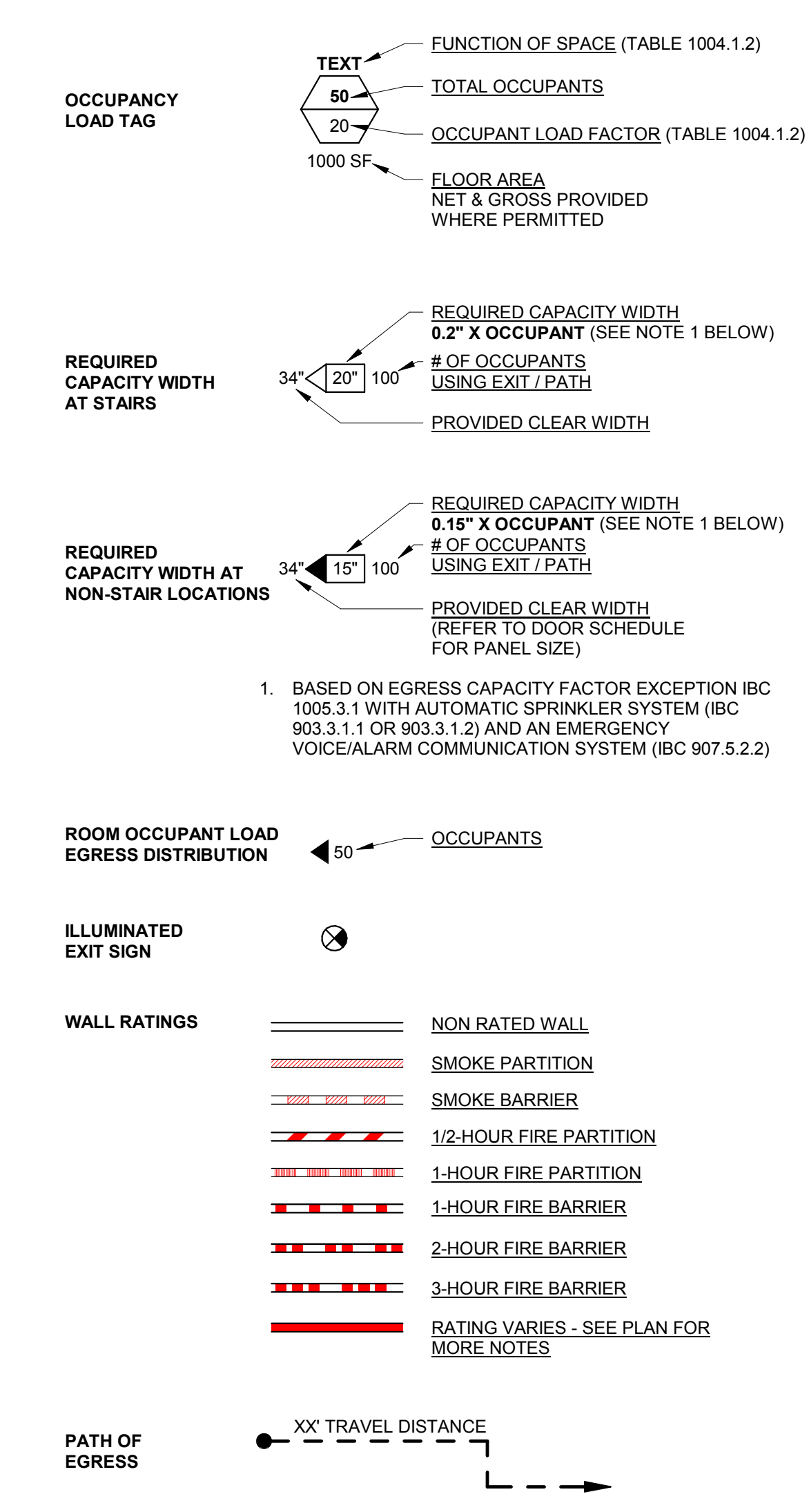
Text describing zoning requirements, project address (19600 South Molalla Avenue), location, zone designation (I - Institutional District), maximum building height, and parking requirements.

FIRE AND LIFE SAFETY

Table detailing fire and life safety requirements for Chapter 3 (Use & Occupancy Classification), Chapter 6 (Types of Construction), and Chapter 8 (Interior Finishes).

Table detailing fire and life safety requirements for Chapter 10 (Means of Egress), Chapter 29 (Plumbing Systems), and Chapter 2 (Minimum Plumbing Fixtures).

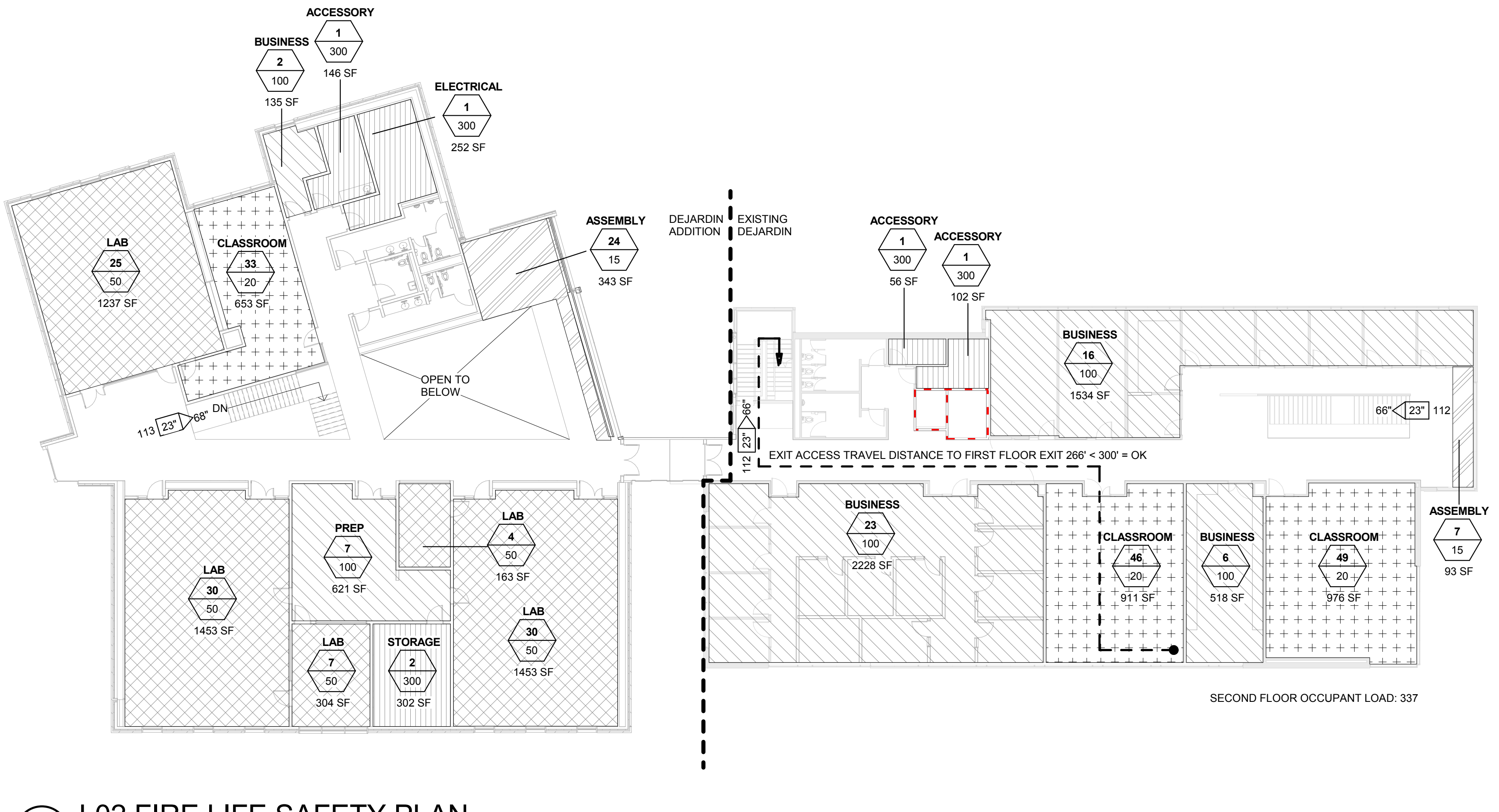
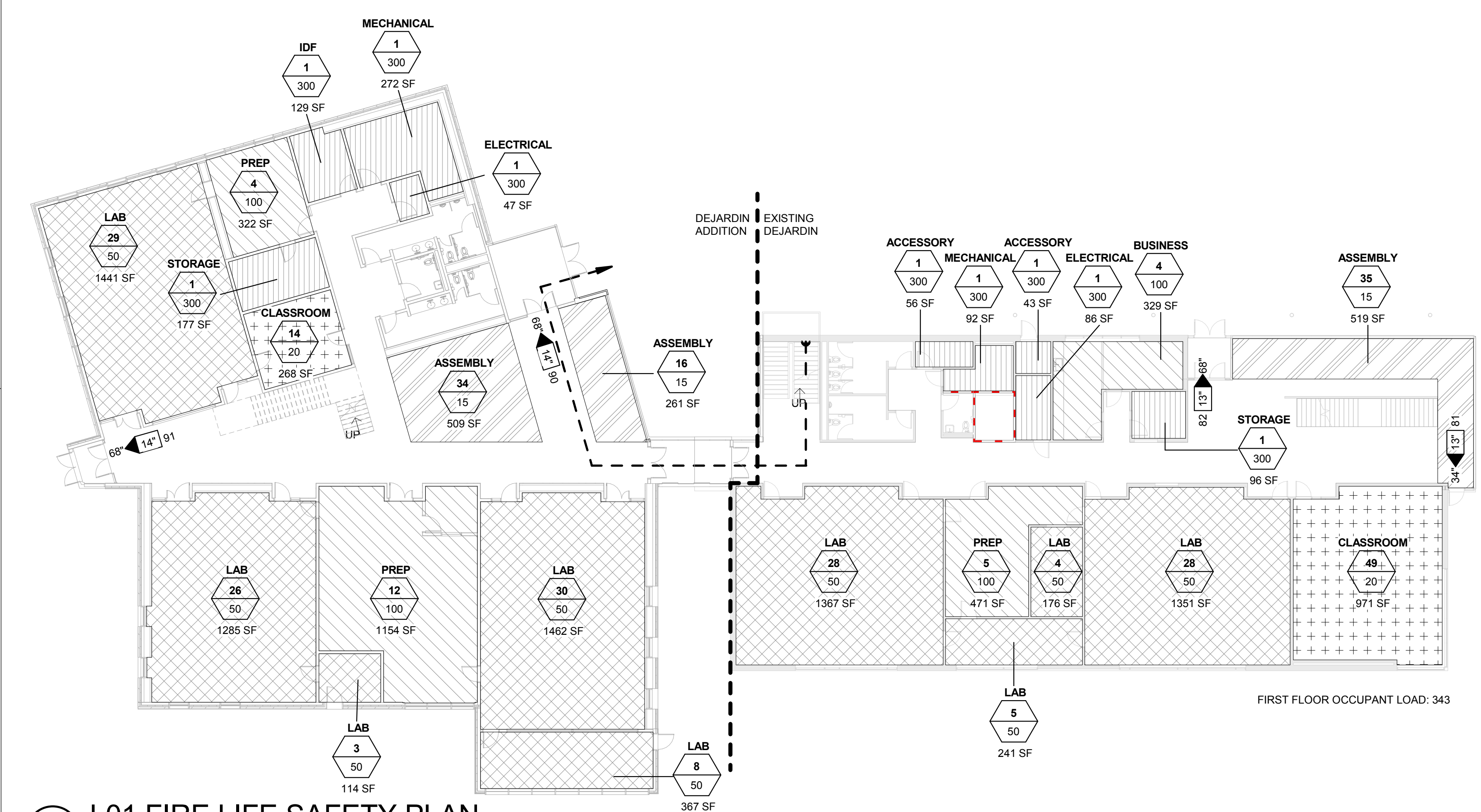
LIFE SAFETY PLAN LEGEND



Mahlum logo and contact information for Seattle, Portland, and other offices.

FOR REFERENCE ONLY

Clackamas Community College logo and project information for DeJardin Addition/Renovation.

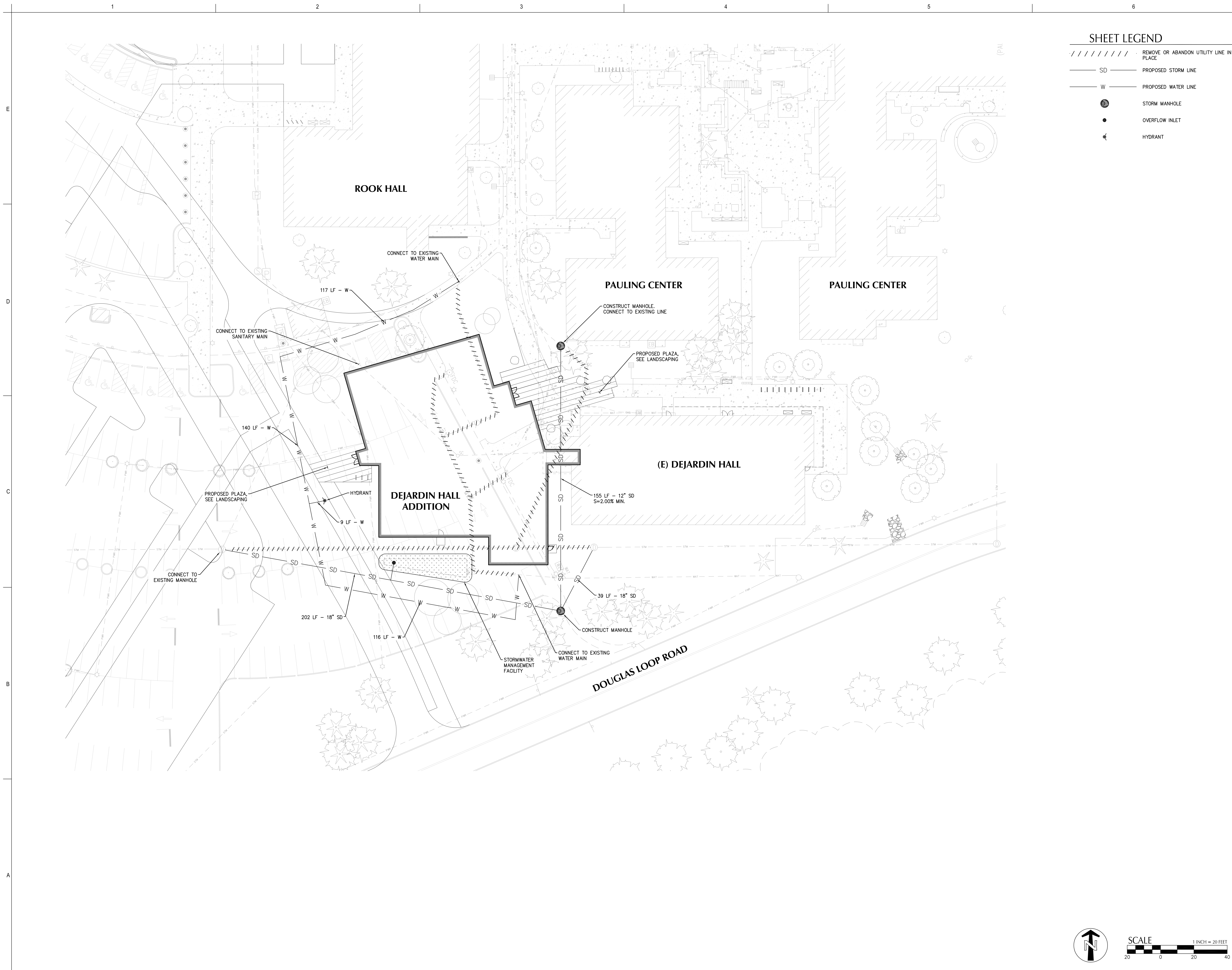


A1 L01 FIRE LIFE SAFETY PLAN 1/16" = 1'-0"

A4 L02 FIRE LIFE SAFETY PLAN 1/16" = 1'-0"

Table with columns: MARK, DATE, DESCRIPTION. Includes issue date (August 23, 2017) and project number (2017401).

G-101



- SHEET LEGEND**
- - - - REMOVE OR ABANDON UTILITY LINE IN PLACE
 - SD PROPOSED STORM LINE
 - W PROPOSED WATER LINE
 - STORM MANHOLE
 - OVERFLOW INLET
 - ⊕ HYDRANT

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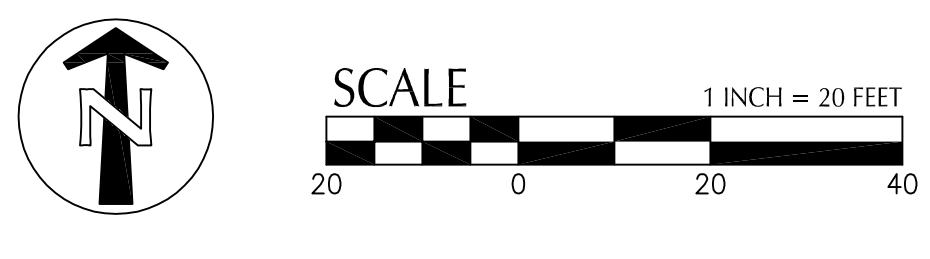
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	AUGUST 23, 2017	ISSUE DATE:
		SCHEMATIC DESIGN
	2017401	PROJECT NO.:
	KPEF	DRAWN BY.:
	Checker	CHECKED BY.:

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X:\Projects\2017\20170823\20170823_DEJARDIN\PROJECT\20170823_DEJARDIN\20170823_DEJARDIN\DWG\C-C-101.dwg
© 2017 MAHLUM ARCHITECTS, INC. 2011 ORIGINAL SHEET 622 37'x42'

CIVIL



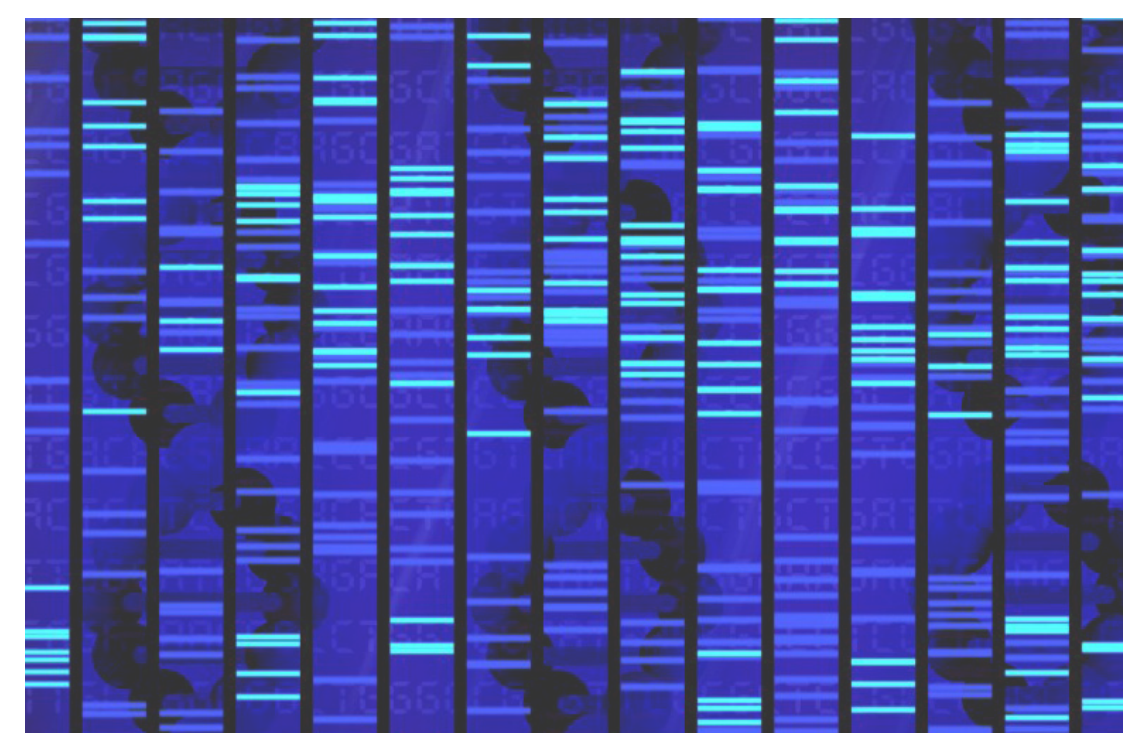
C-101



1 OVERALL SITE PLAN
1"=20'-0"

LEGEND

- L.O.W.
- new concrete
- existing concrete to remain
- new planting (with irrigation)
- new meadow (with irrigation)
- new lawn (with irrigation)
- existing planting
- stormwater treatment area
- ||| bike racks
- boulder/ boulder seating
- new trees
- existing trees



paving inspiration - DNA ladder



concrete paving



boulder seating

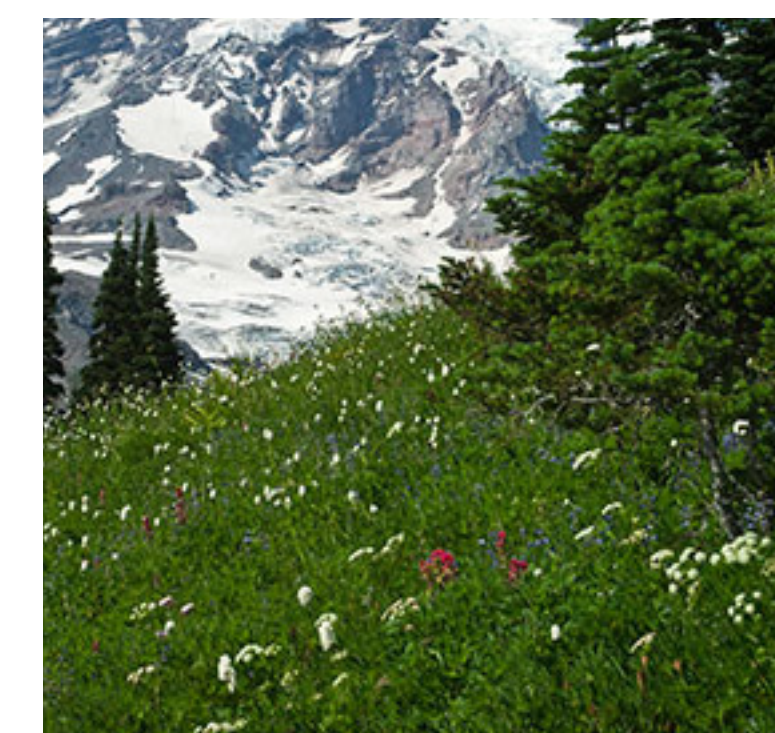


Ecoregion planting

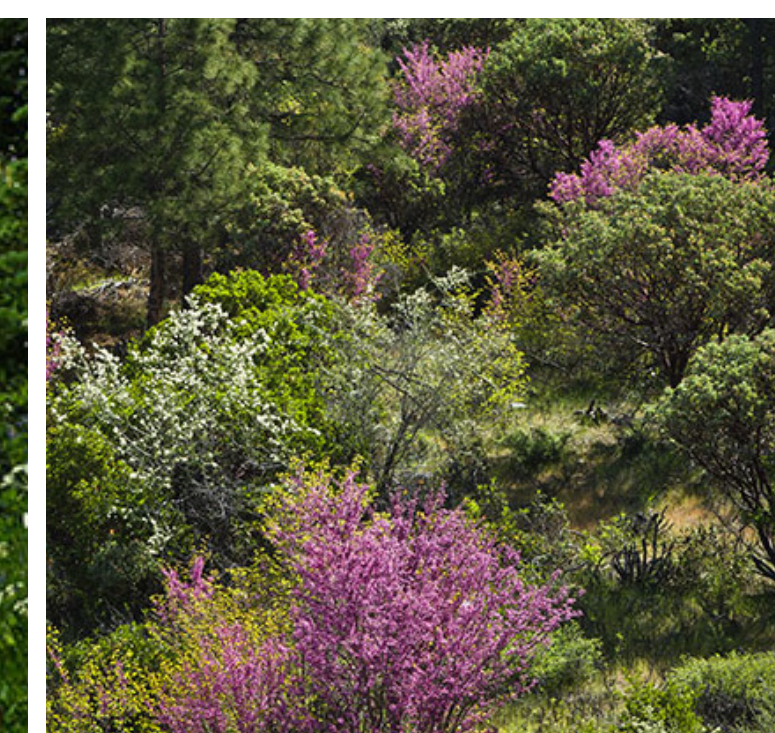
2 PLANTING TYPOLOGIES CONCEPT
1"=20'-0"

LEGEND

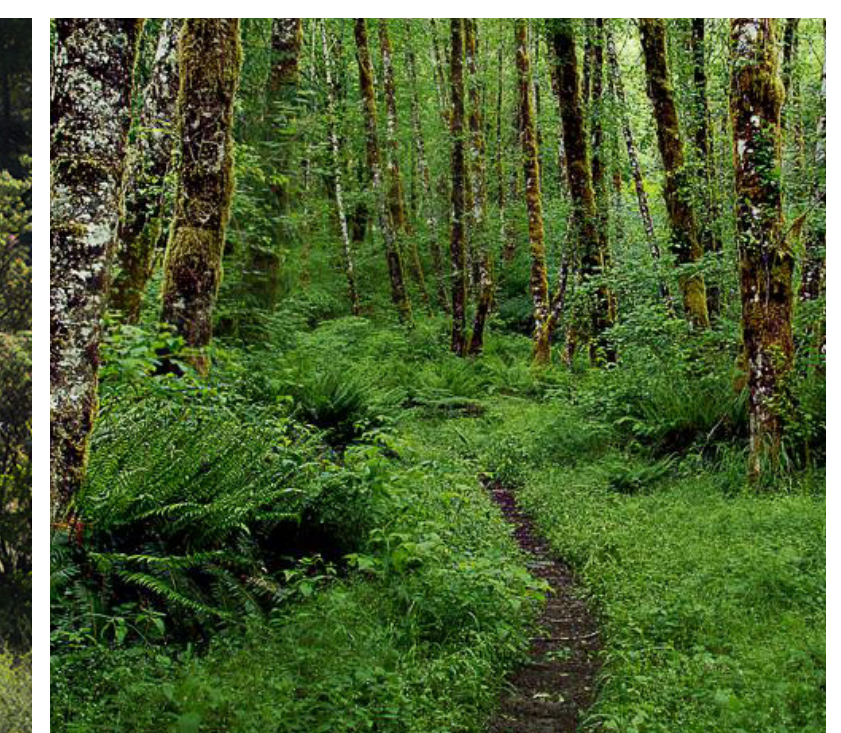
- L.O.W.
- Cascade zone
- Eastern Cascade Slope and Foothill zone
- Willamette Valley zone
- Stormwater treatment area
- new lawn (with irrigation)
- new trees
- existing trees



Cascade zone



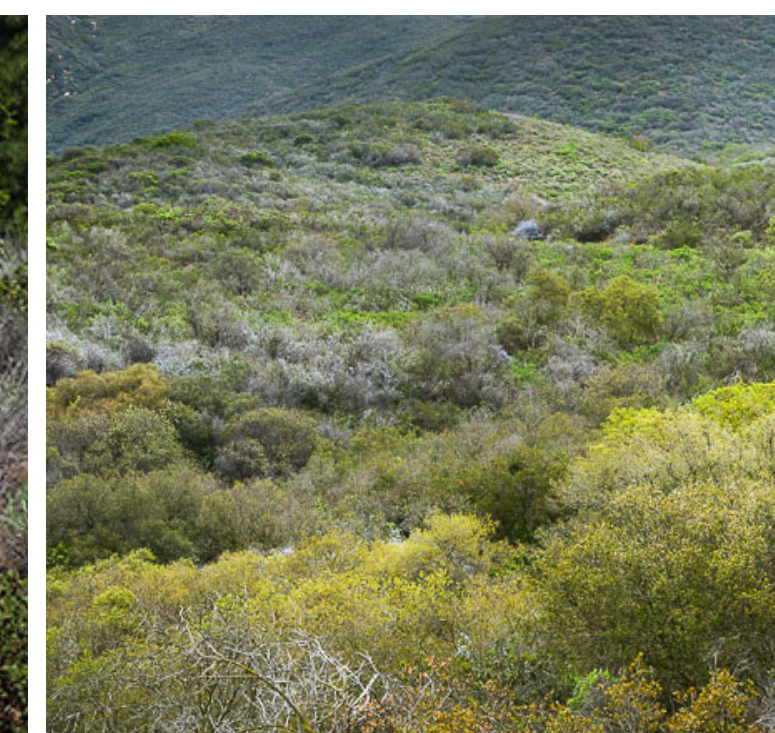
Eastern Cascade Slope and Foothill zone



Willamette Valley zone



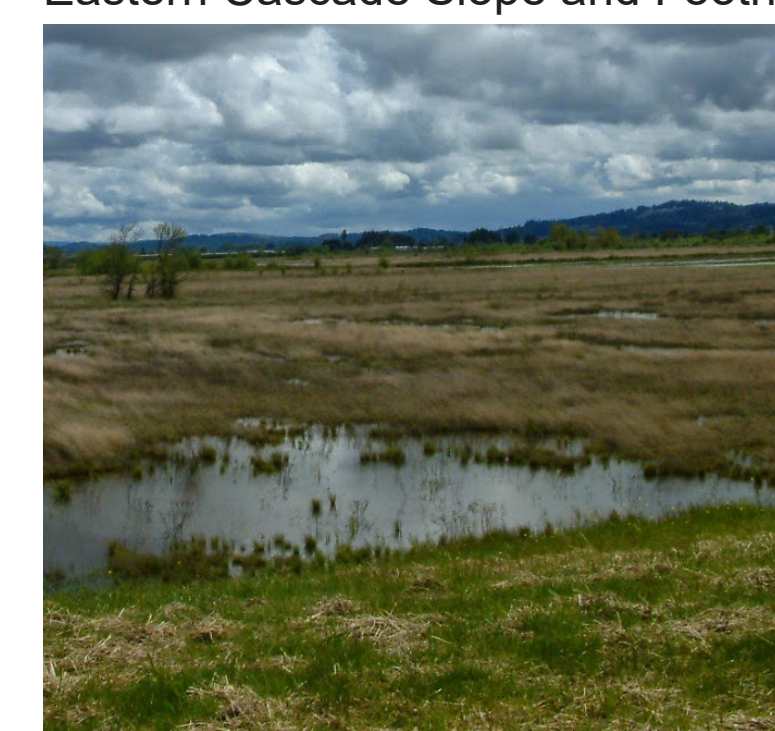
Eastern Cascade Slope and Foothill zone



Stormwater treatment area



new lawn (with irrigation)



Willamette Valley zone



new trees



existing trees

PLAN NORTH

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FOR REFERENCE ONLY

Clackamas
Community College

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DEJARDIN
ADDITION/RENOVATION

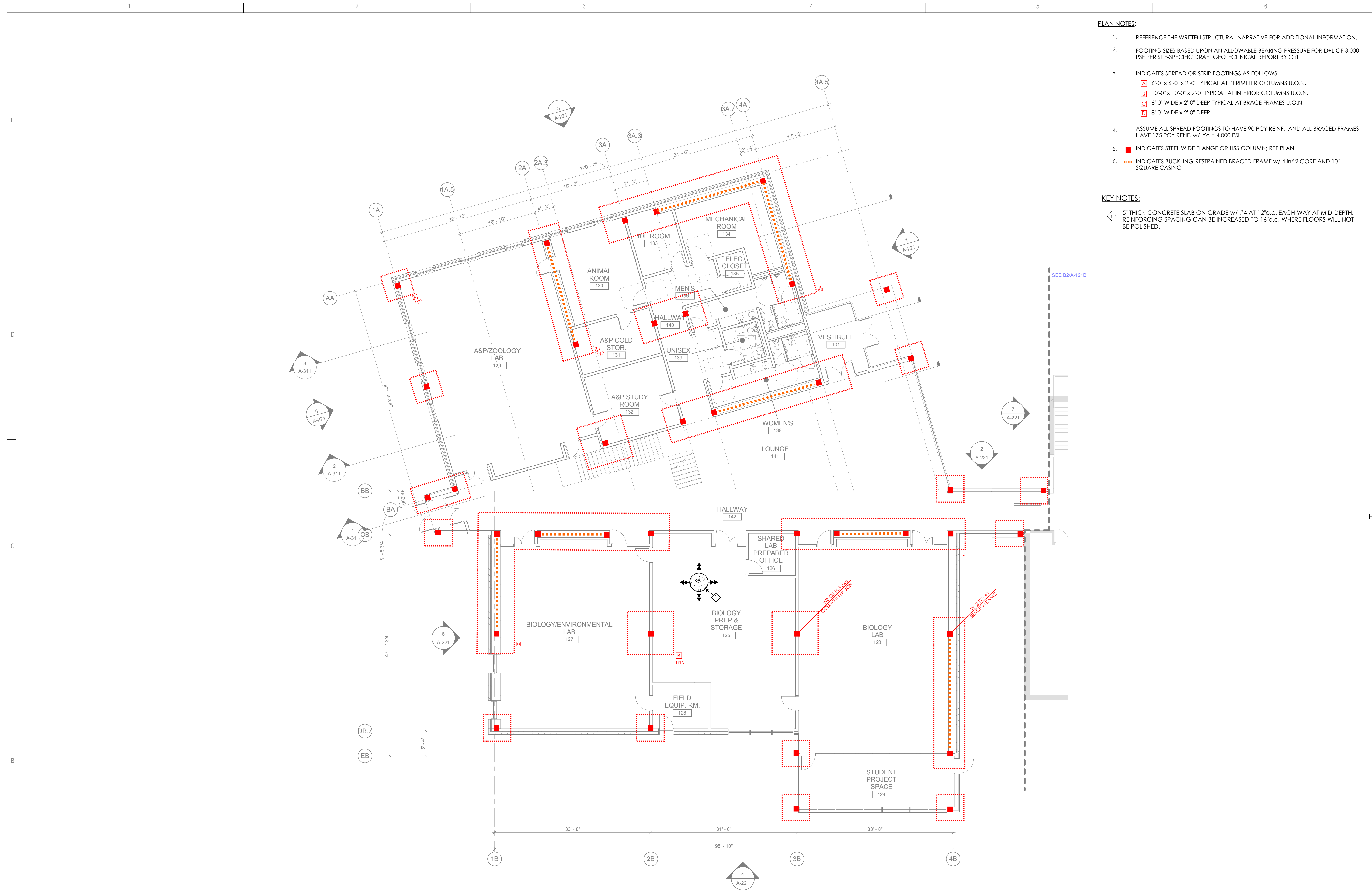
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SITE PLAN AND PLANTING
TYPOLOGIES

L-100



- PLAN NOTES:**
1. REFERENCE THE WRITTEN STRUCTURAL NARRATIVE FOR ADDITIONAL INFORMATION.
 2. FOOTING SIZES BASED UPON AN ALLOWABLE BEARING PRESSURE FOR D+L OF 3,000 PSF PER SITE-SPECIFIC DRAFT GEOTECHNICAL REPORT BY GRI.
 3. INDICATES SPREAD OR STRIP FOOTINGS AS FOLLOWS:
A 6'-0" x 6'-0" x 2'-0" TYPICAL AT PERIMETER COLUMNS U.O.N.
B 10'-0" x 10'-0" x 2'-0" TYPICAL AT INTERIOR COLUMNS U.O.N.
C 6'-0" WIDE x 2'-0" DEEP TYPICAL AT BRACE FRAMES U.O.N.
D 8'-0" WIDE x 2'-0" DEEP
 4. ASSUME ALL SPREAD FOOTINGS TO HAVE 90 PCY REINF. AND ALL BRACED FRAMES HAVE 175 PCY REINF. w/ $f_c = 4,000$ PSI
 5. ■ INDICATES STEEL WIDE FLANGE OR HSS COLUMN; REF PLAN.
 6. INDICATES BUCKLING-RESTRAINED BRACED FRAME w/ 4 in² CORE AND 10" SQUARE CASING
- KEY NOTES:**
1. ◇ 5" THICK CONCRETE SLAB ON GRADE w/ #4 AT 12" o.c. EACH WAY AT MID-DEPTH. REINFORCING SPACING CAN BE INCREASED TO 16" o.c. WHERE FLOORS WILL NOT BE POLISHED.

A2 FIRST FLOOR PLAN - SECTOR 01
1/8" = 1'-0"

PLAN NORTH

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HALLWAY OREGON CITY, OR 97045
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FIRST FLOOR PLAN - SECTOR 01

S-121A

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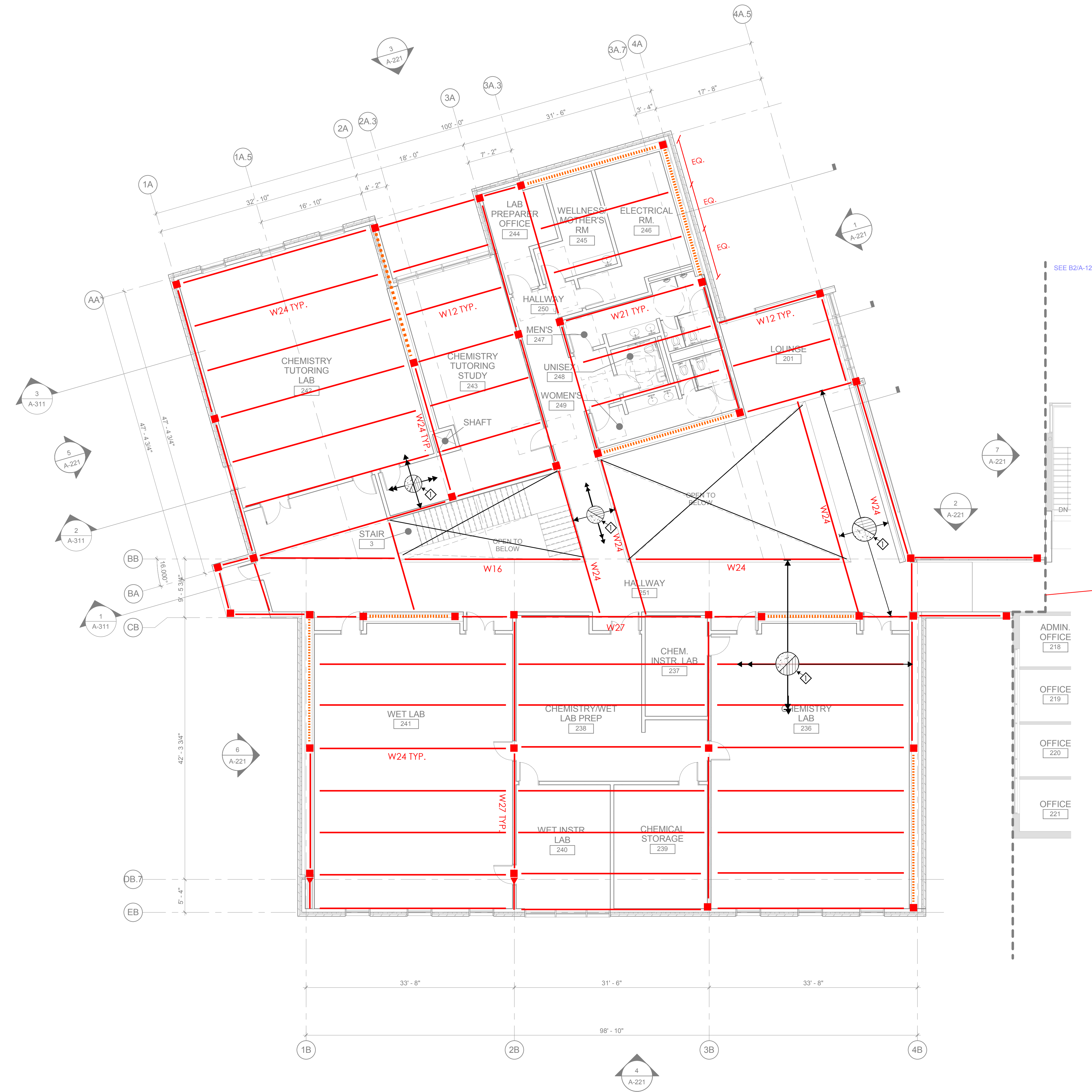
19600 MOLALLA AVE.
OREGON CITY, OR 97045

PLAN NOTES:

1. REFERENCE THE WRITTEN STRUCTURAL NARRATIVE FOR ADDITIONAL INFORMATION.
2. ■ INDICATES STEEL WIDE FLANGE OR HSS COLUMN; REF. PLAN
3. ■■■ INDICATES BUCKLING-RESTRAINED BRACED FRAME w/ 4 in² CORE AND 10" SQUARE CASING
4. ■■■ INDICATES TYPICAL FLOOR FRAMING

KEY NOTES:

- ◇ 3" 20 GA. TYPE W VENTED COMPOSITE METAL FLOOR DECK w/ 3" CONCRETE FILL SPANNING IN DIRECTION SHOWN. REINFORCE w/ #4 @ 12" o.c. AT MID-DEPTH. REINFORCING SPACING CAN BE INCREASED TO 16" o.c. WHERE FLOORS WILL NOT BE POLISHED.



3" SEISMIC JOINT AT INTERFACE OF (E) AND (N) BUILDING

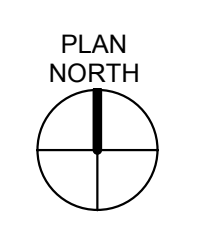
A2 SECOND FLOOR PLAN - SECTOR 01
1/8" = 1'-0"

MARK	DATE	DESCRIPTION
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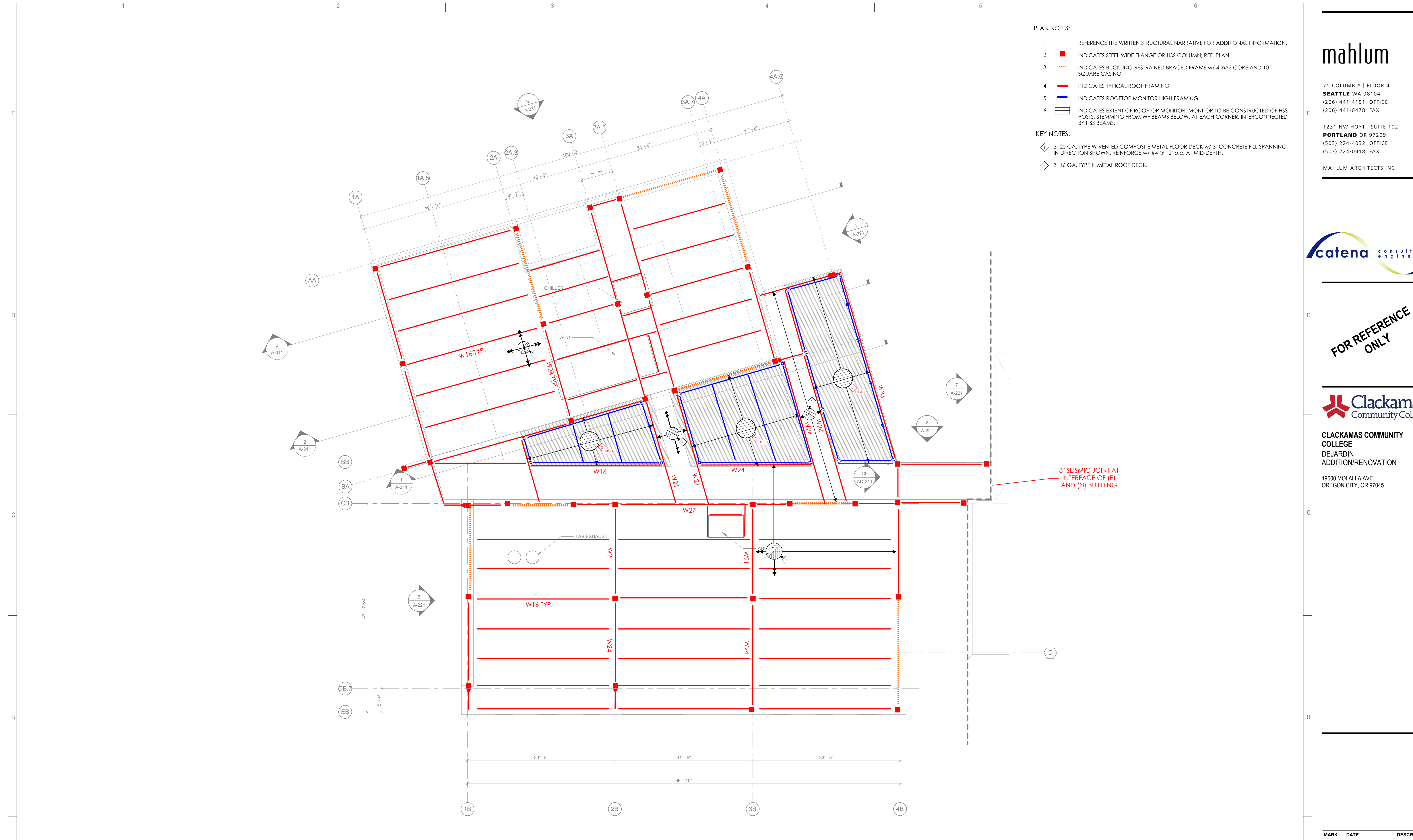
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SECOND FLOOR PLAN - SECTOR 01



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- PLAN NOTES:**
1. REFERENCE THE WRITTEN STRUCTURAL NARRATIVE FOR ADDITIONAL INFORMATION.
 2. ■ INDICATES STEEL WIDE FLANGE OR HSS COLUMN; REF. PLAN
 3. - - - - INDICATES BUCKLING-RESTRAINED BRACED FRAME w/ 4 in² CORE AND 10' SQUARE CASING
 4. — INDICATES TYPICAL ROOF FRAMING
 5. — INDICATES ROOFTOP MONITOR HIGH FRAMING.
 6. ▨ INDICATES EXTENT OF ROOFTOP MONITOR. MONITOR TO BE CONSTRUCTED OF HSS POSTS, STEMMING FROM WF BEAMS BELOW, AT EACH CORNER, INTERCONNECTED BY HSS BEAMS.
- KEY NOTES:**
- ◇ 3" 20 GA. TYPE W VENTED COMPOSITE METAL FLOOR DECK w/ 3" CONCRETE FILL SPANNING IN DIRECTION SHOWN. REINFORCE w/ #4 @ 12" o.c. AT MID-DEPTH.
 - ◇ 3" 16 GA. TYPE N METAL ROOF DECK.

A2 PARTIAL ROOF PLAN - SECTOR 01
1/8" = 1'-0"

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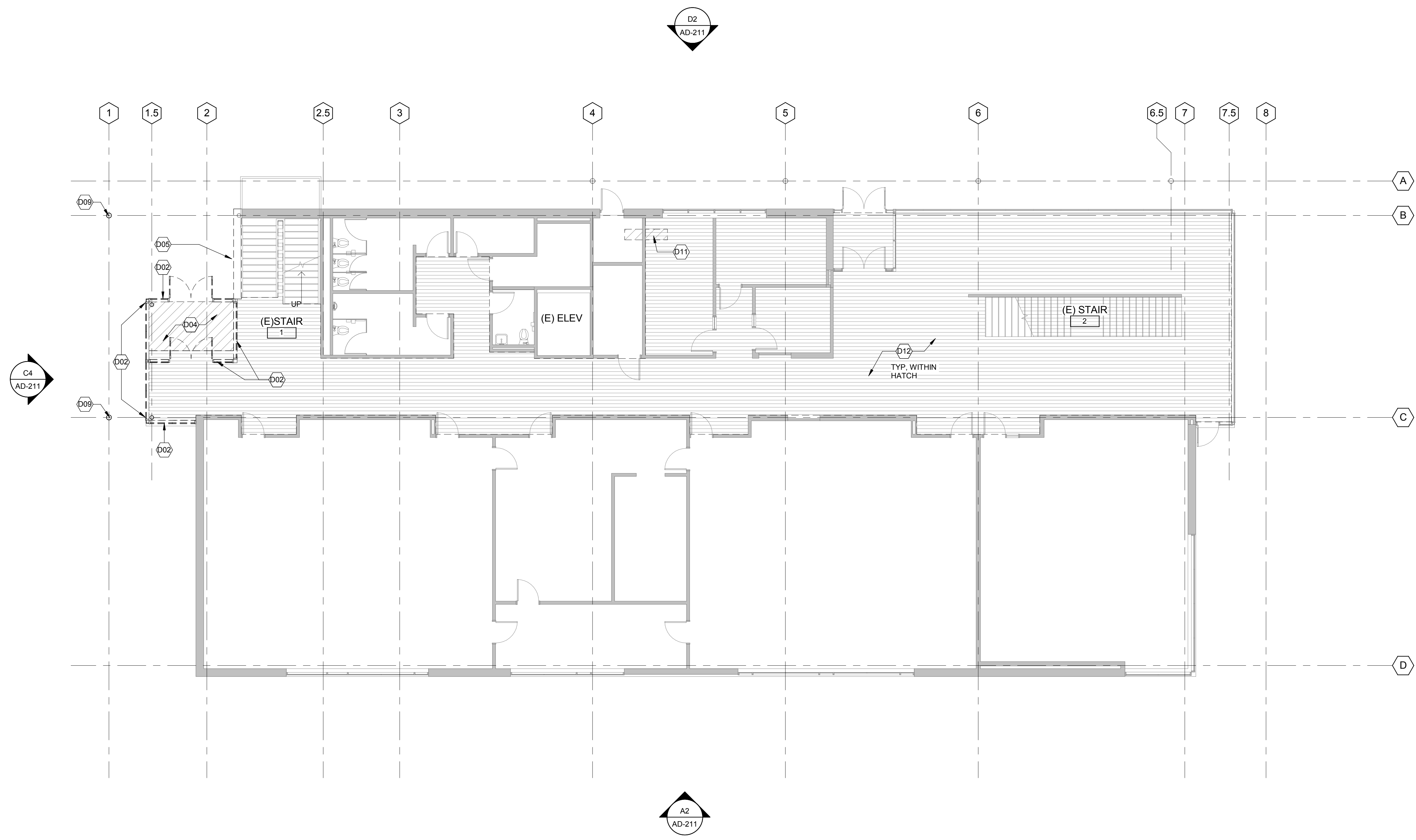
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PARTIAL ROOF PLAN - SECTOR 01

S-141A

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(B2) FIRST FLOOR PLAN - DEMOLITION
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- ITEMS NOTED FOR REMOVAL ARE INDICATED TO ESTABLISH GENERAL SCOPE OF DEMOLITION. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND PROVIDE ADDITIONAL DEMOLITION AS NECESSARY TO COMPLETE AND COORDINATE THE WORK.
- EXISTING CEILINGS TO REMAIN, U.N.O.

DEMO SYMBOL LEGEND

- DEMO WALL
- DEMO DOOR
- DEMO SLAB
- DEMO FLOORING
- DEMO ACOUSTIC CEILING TILE AND GRID

KEYNOTES

NUMBER	NOTE
D01	DEMO GYP CEILING AS REQUIRED FOR NEW SPRINKLER MAIN FROM EXISTING RISER ROOM
D02	DEMO STOREFRONT WINDOWS, DOORS, AND CONCRETE CURBS
D03	DEMO AREA OF ROOF AND ROOF FRAMING, SOFFIT, AND LIGHTING
D04	DEMO AREA OF CONCRETE SLAB
D05	DEMO MASONRY VENEER, WALL FRAMING AND SHEATHING TO REMAIN
D07	DEMO AREA OF GYPSUM BOARD CEILING
D08	REMOVE AND SALVAGE DOOR, FRAMING, AND RELITE FOR RE-USE
D09	DEMO COLUMN
D10	DEMOLISH ACOUSTIC CEILING TILES/GRID
D11	DEMO SLAB AS REQUIRED TO CONNECT WASTE LINE FROM NEW SINK
D12	REMOVE EXISTING FLOORING AND PREPARE SLAB FOR NEW FLOOR FINISH

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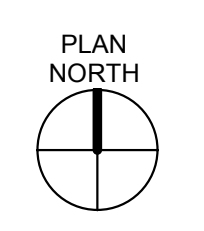
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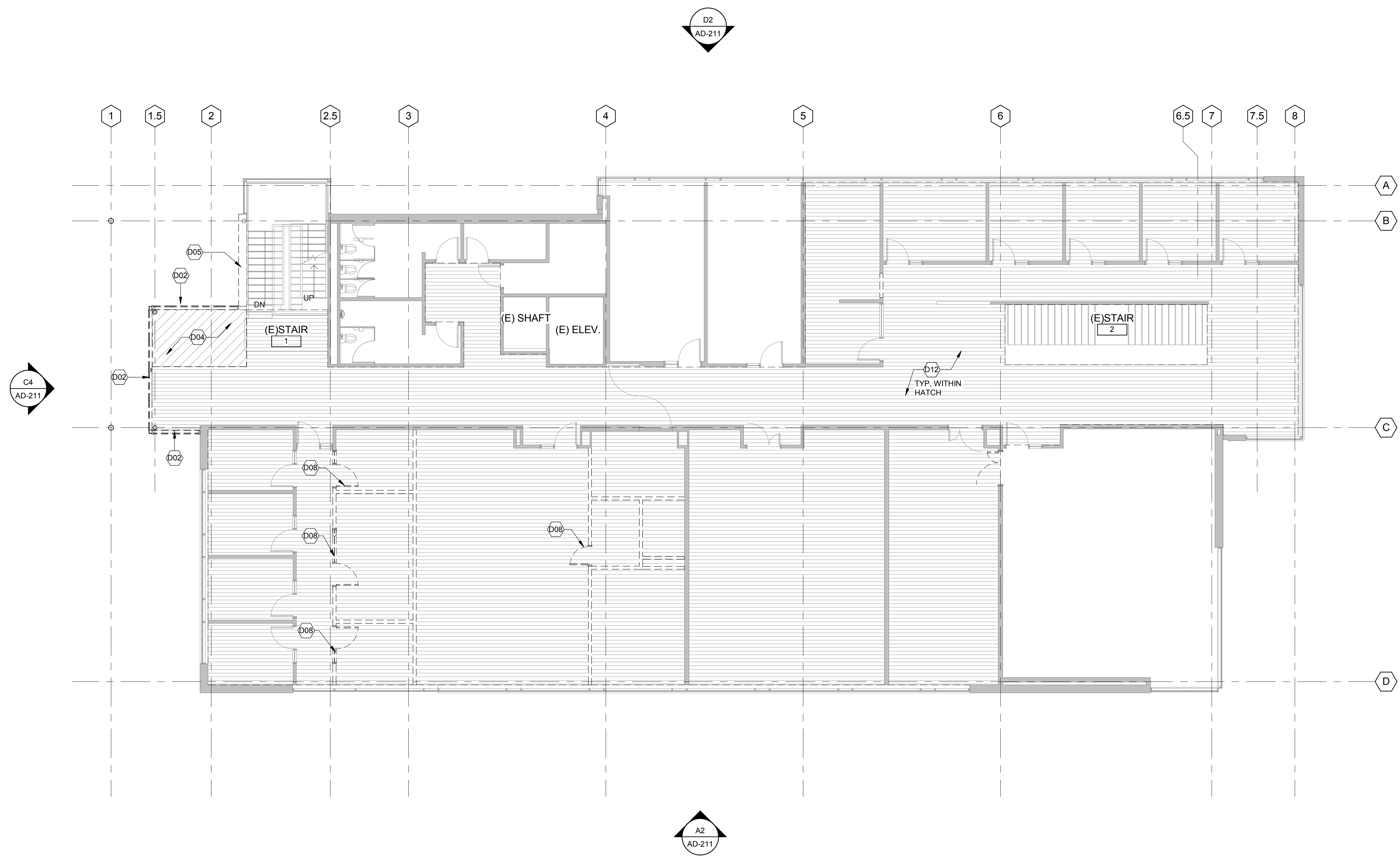
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FIRST FLOOR PLAN - DEMOLITION

AD-111





B2 SECOND FLOOR PLAN - DEMOLITION
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- ITEMS NOTED FOR REMOVAL ARE INDICATED TO ESTABLISH GENERAL SCOPE OF DEMOLITION. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND PROVIDE ADDITIONAL DEMOLITION AS NECESSARY TO COMPLETE AND COORDINATE THE WORK.
- EXISTING CEILINGS TO REMAIN, U.N.O.

DEMO SYMBOL LEGEND

- DEMO WALL
- DEMO DOOR
- DEMO SLAB
- DEMO FLOORING
- DEMO ACOUSTIC CEILING TILE AND GRID

KEYNOTES

NUMBER	NOTE
D01	DEMO GYP CEILING AS REQUIRED FOR NEW SPRINKLER MAIN FROM EXISTING RISER ROOM
D02	DEMO STOREFRONT WINDOWS, DOORS, AND CONCRETE CURBS
D03	DEMO AREA OF ROOF AND ROOF FRAMING, SOFFIT, AND LIGHTING
D04	DEMO AREA OF CONCRETE SLAB
D05	DEMO MASONRY VENEER, WALL FRAMING AND SHEATHING TO REMAIN
D06	DEMO AREA OF GYPSUM BOARD CEILING
D07	REMOVE AND SALVAGE DOOR, FRAMING, AND RELITE FOR RE-USE
D08	DEMO COLUMN
D09	DEMOLISH ACOUSTIC CEILING TILES/GRID
D10	DEMO SLAB AS REQUIRED TO CONNECT WASTE LINE FROM NEW SINK
D11	REMOVE EXISTING FLOORING AND PREPARE SLAB FOR NEW FLOOR FINISH
D12	

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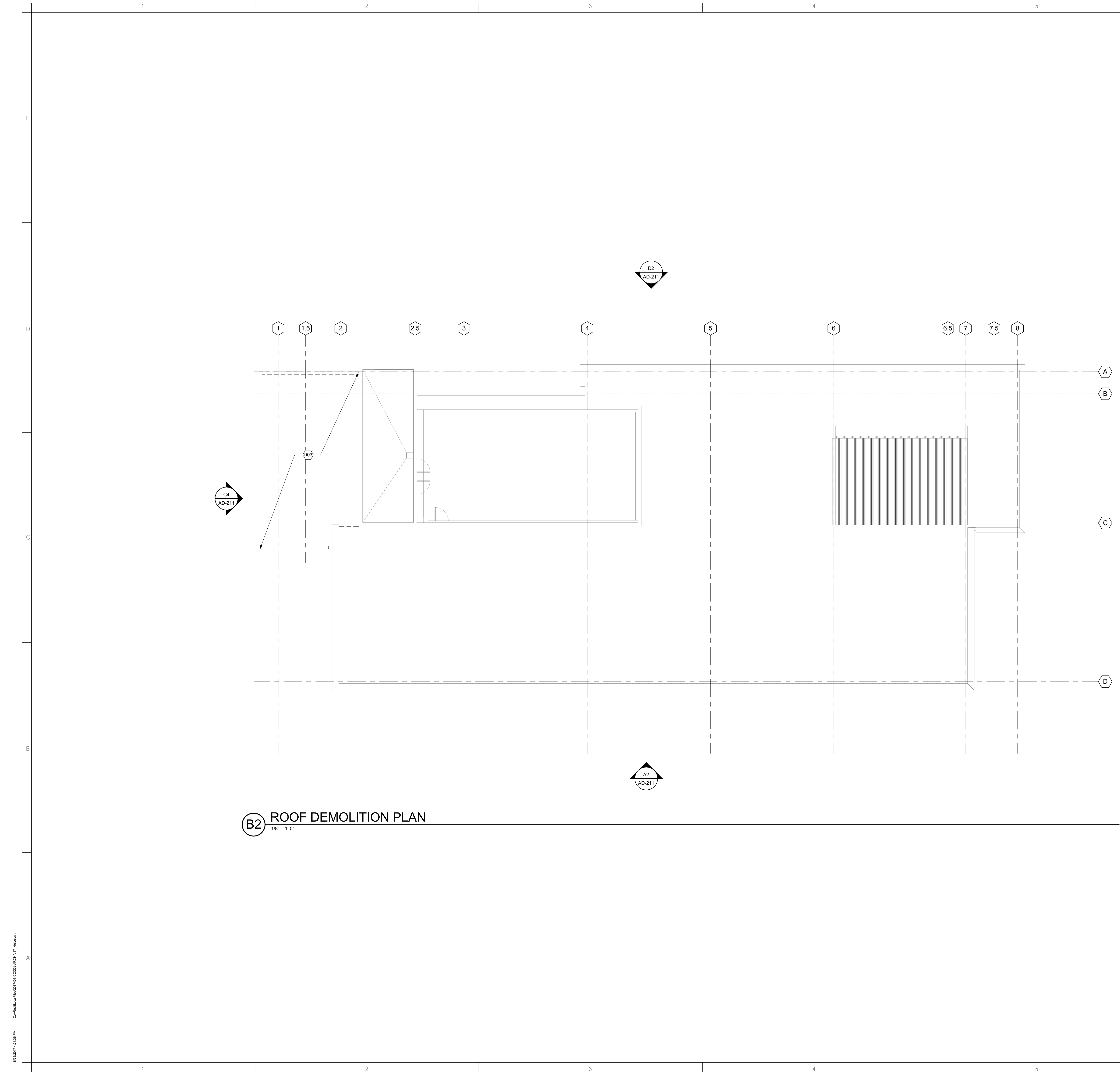
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SECOND FLOOR PLAN - DEMOLITION

AD-112



B2 ROOF DEMOLITION PLAN
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- ITEMS NOTED FOR REMOVAL ARE INDICATED TO ESTABLISH GENERAL SCOPE OF DEMOLITION. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND PROVIDE ADDITIONAL DEMOLITION AS NECESSARY TO COMPLETE AND COORDINATE THE WORK.
- EXISTING CEILINGS TO REMAIN, U.N.O.

DEMO SYMBOL LEGEND

- DEMO WALL
- DEMO DOOR
- DEMO SLAB
- DEMO FLOORING
- DEMO ACOUSTIC CEILING TILE AND GRID

KEYNOTES

NUMBER	NOTE
D01	DEMO GYP CEILING AS REQUIRED FOR NEW SPRINKLER MAIN FROM EXISTING RISER ROOM
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D11	DEMO SLAB AS REQUIRED TO CONNECT WASTE LINE FROM NEW SINK
D12	REMOVE EXISTING FLOORING AND PREPARE SLAB FOR NEW FLOOR FINISH

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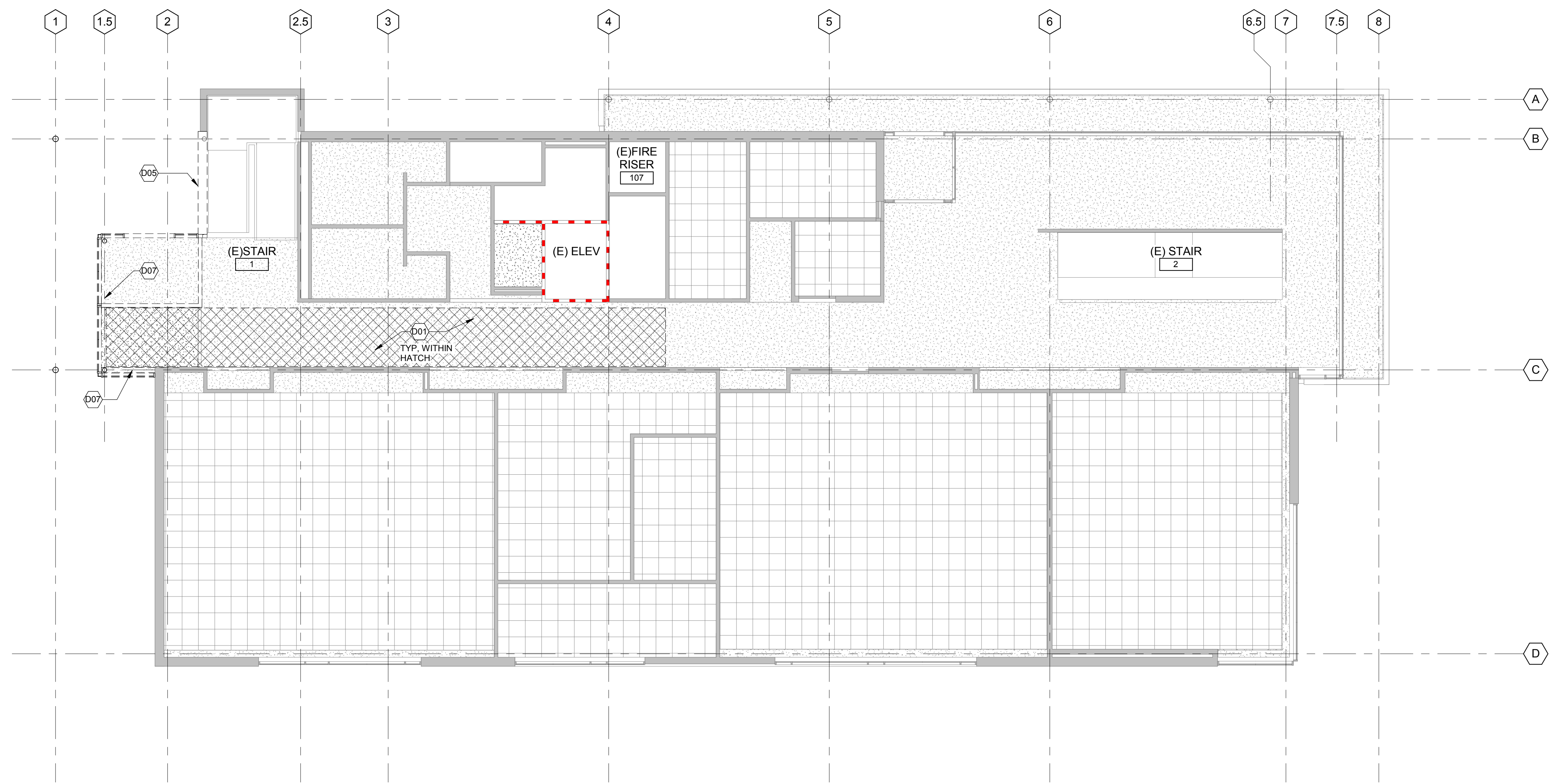
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DEMOLITION ROOF PLAN

AD-131

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B2 FIRST FLOOR REFLECTED CEILING PLAN - DEMOLITION
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

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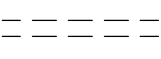
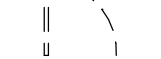

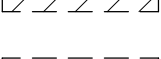

FIRST FLOOR REFLECTED CEILING PLAN - DEMOLITION

AD-151

GENERAL DEMOLITION NOTES

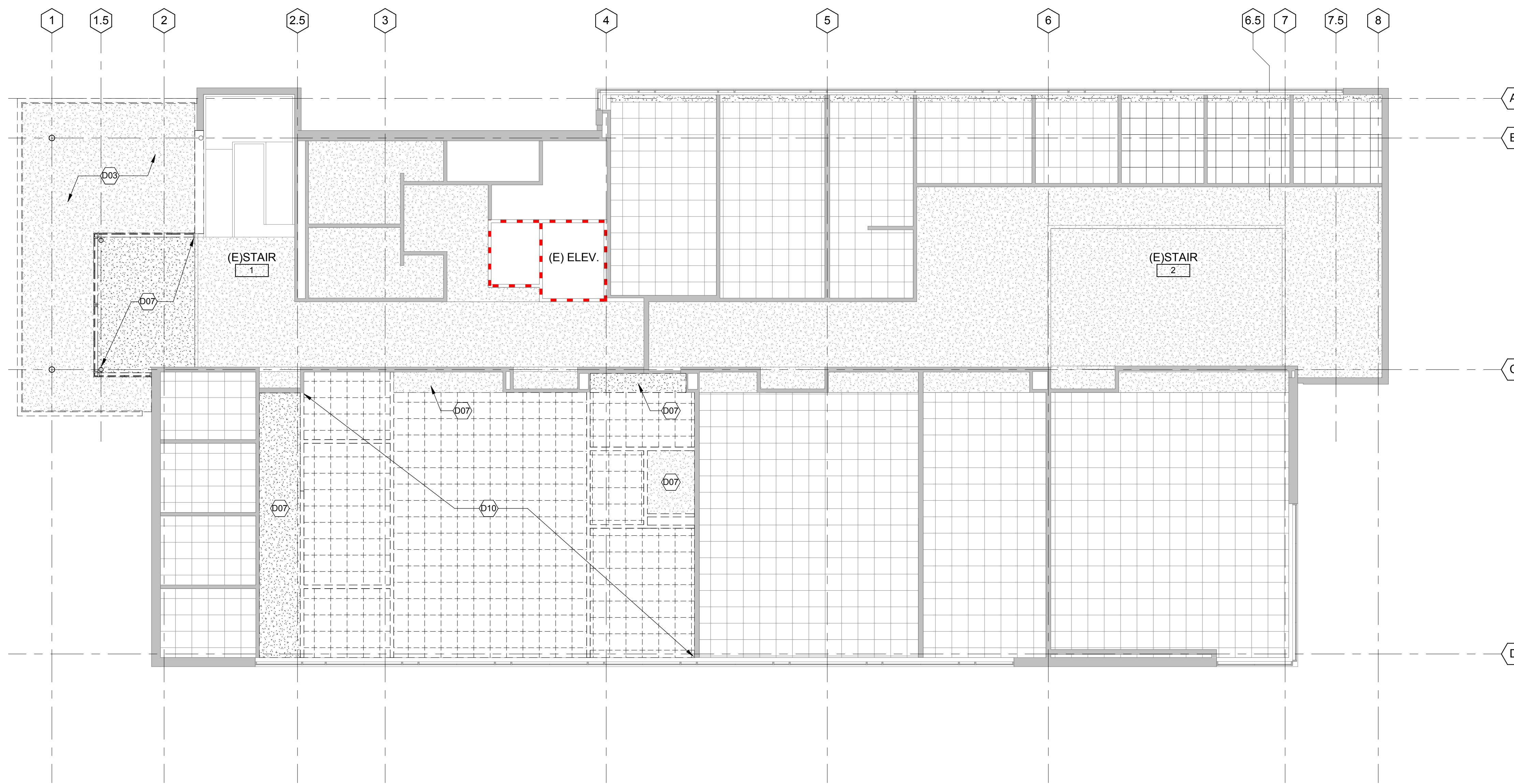
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-  DEMO SLAB
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D11	DEMO SLAB AS REQUIRED TO CONNECT WASTE LINE FROM NEW SINK
D12	REMOVE EXISTING FLOORING AND PREPARE SLAB FOR NEW FLOOR FINISH



B2 SECOND FLOOR REFLECTED CEILING PLAN - DEMOLITION
1/8" = 1'-0"

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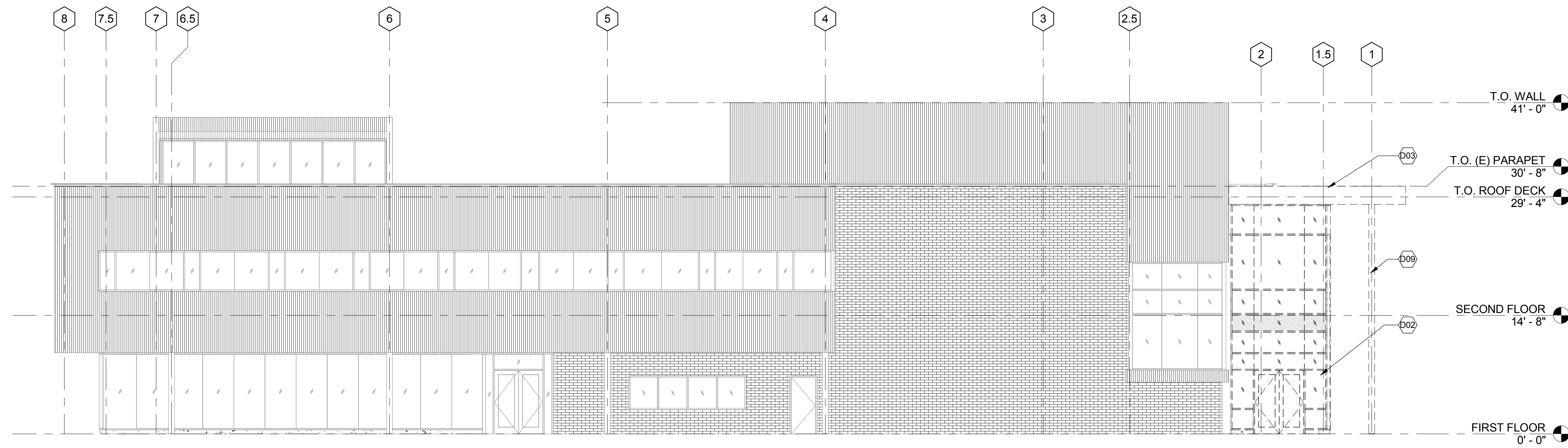
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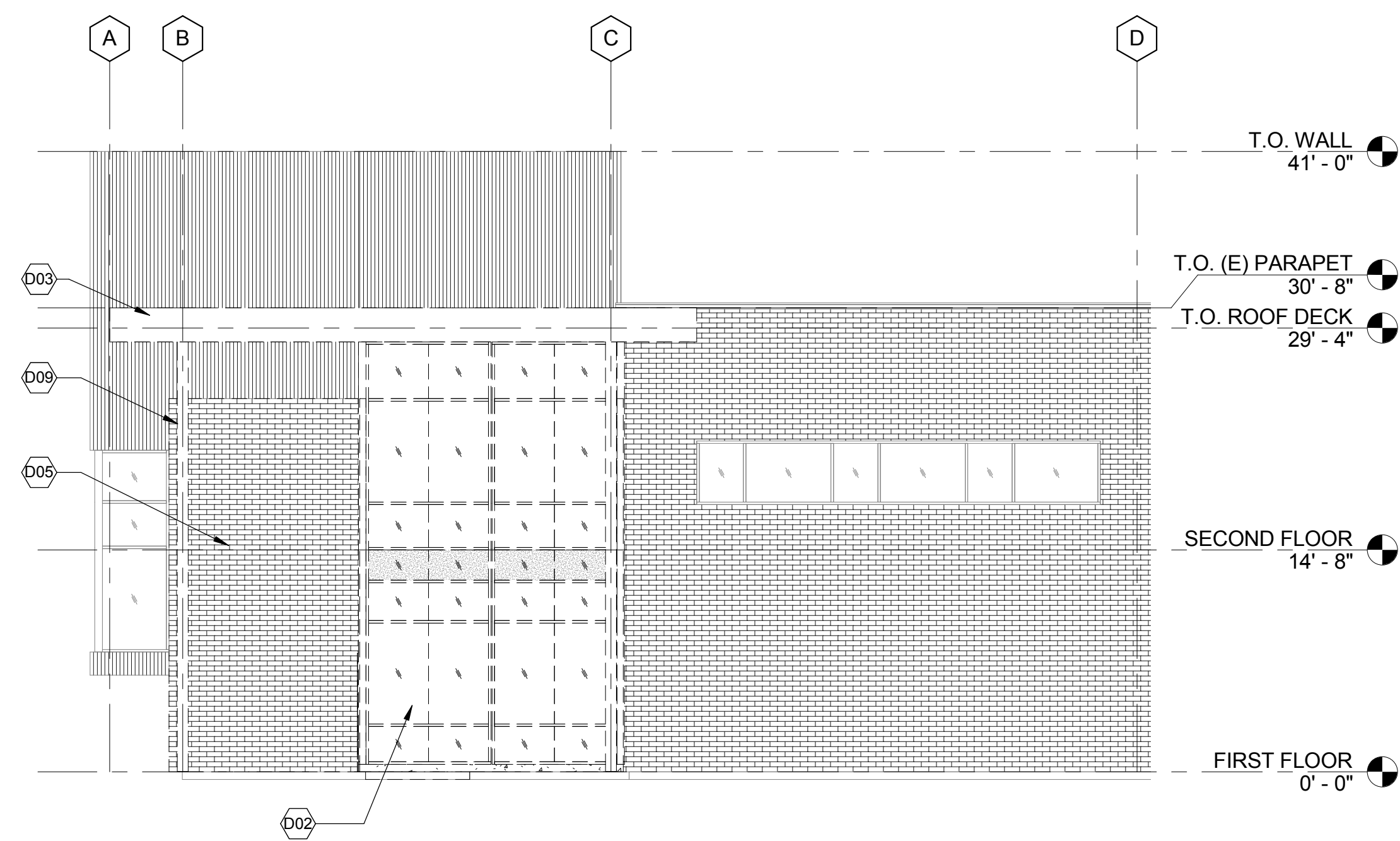
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SECOND FLOOR REFLECTED CEILING PLAN - DEMOLITION

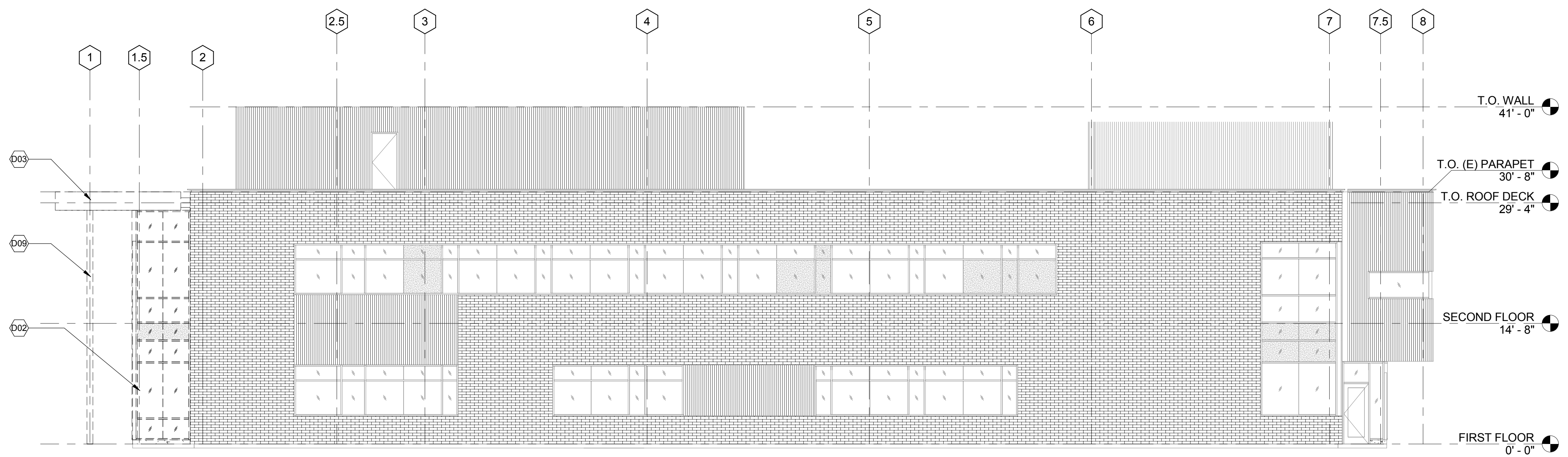
AD-152



D2 NORTH ELEVATION - DEMOLITION
1/8" = 1'-0"



C4 EAST ELEVATION - DEMOLITION
1/8" = 1'-0"



A2 SOUTH ELEVATION - DEMOLITION
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

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KEYNOTES

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D10	DEMOLISH ACOUSTIC CEILING TILES/GRID
D11	DEMO SLAB AS REQUIRED TO CONNECT WASTE LINE FROM NEW SINK
D12	REMOVE EXISTING FLOORING AND PREPARE SLAB FOR NEW FLOOR FINISH

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EXTERIOR ELEVATIONS - DEMOLITION

AD-211

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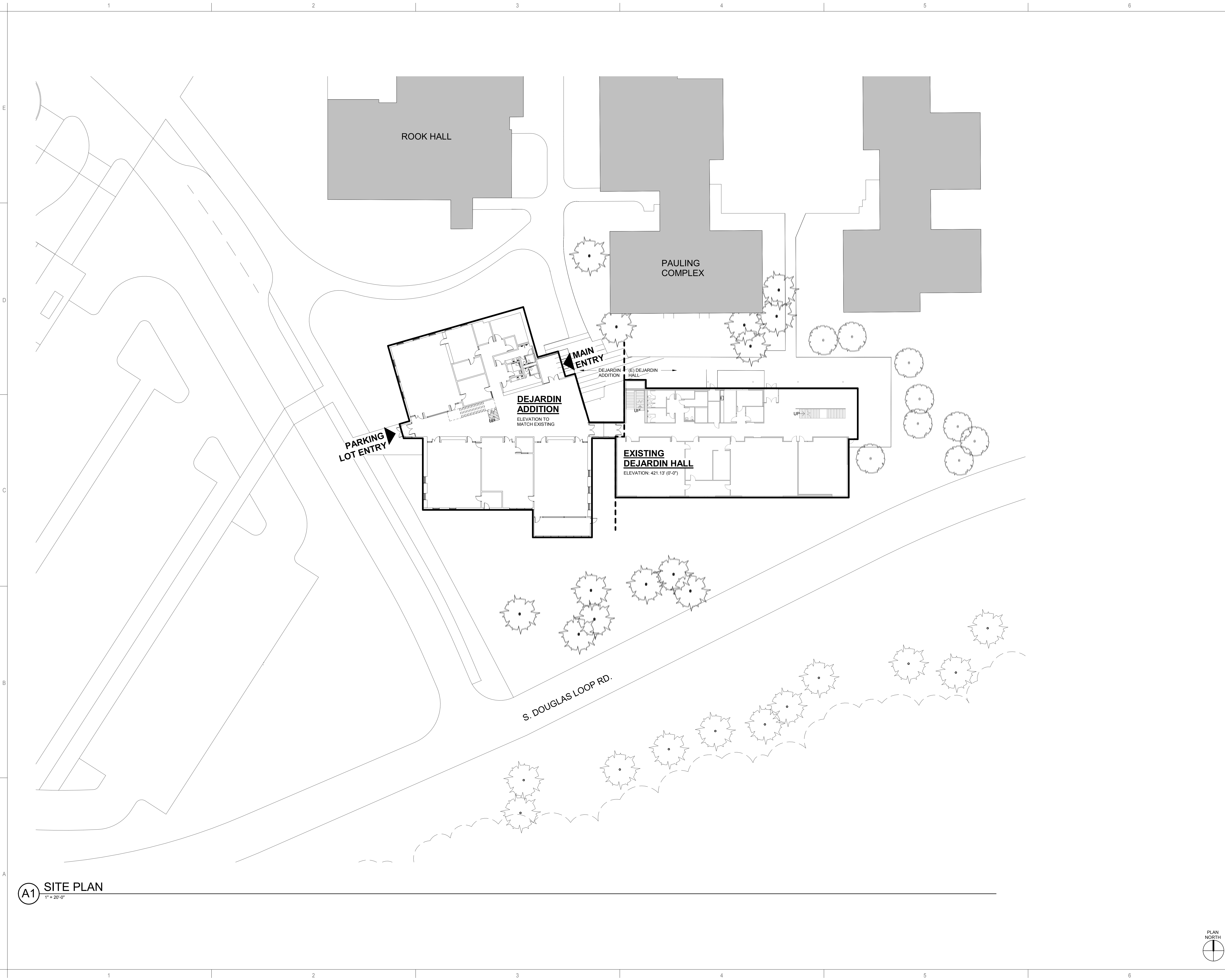
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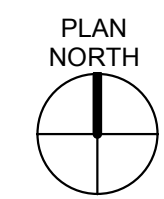
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ARCHITECTURAL SITE PLAN



A1 SITE PLAN
1" = 20'-0"



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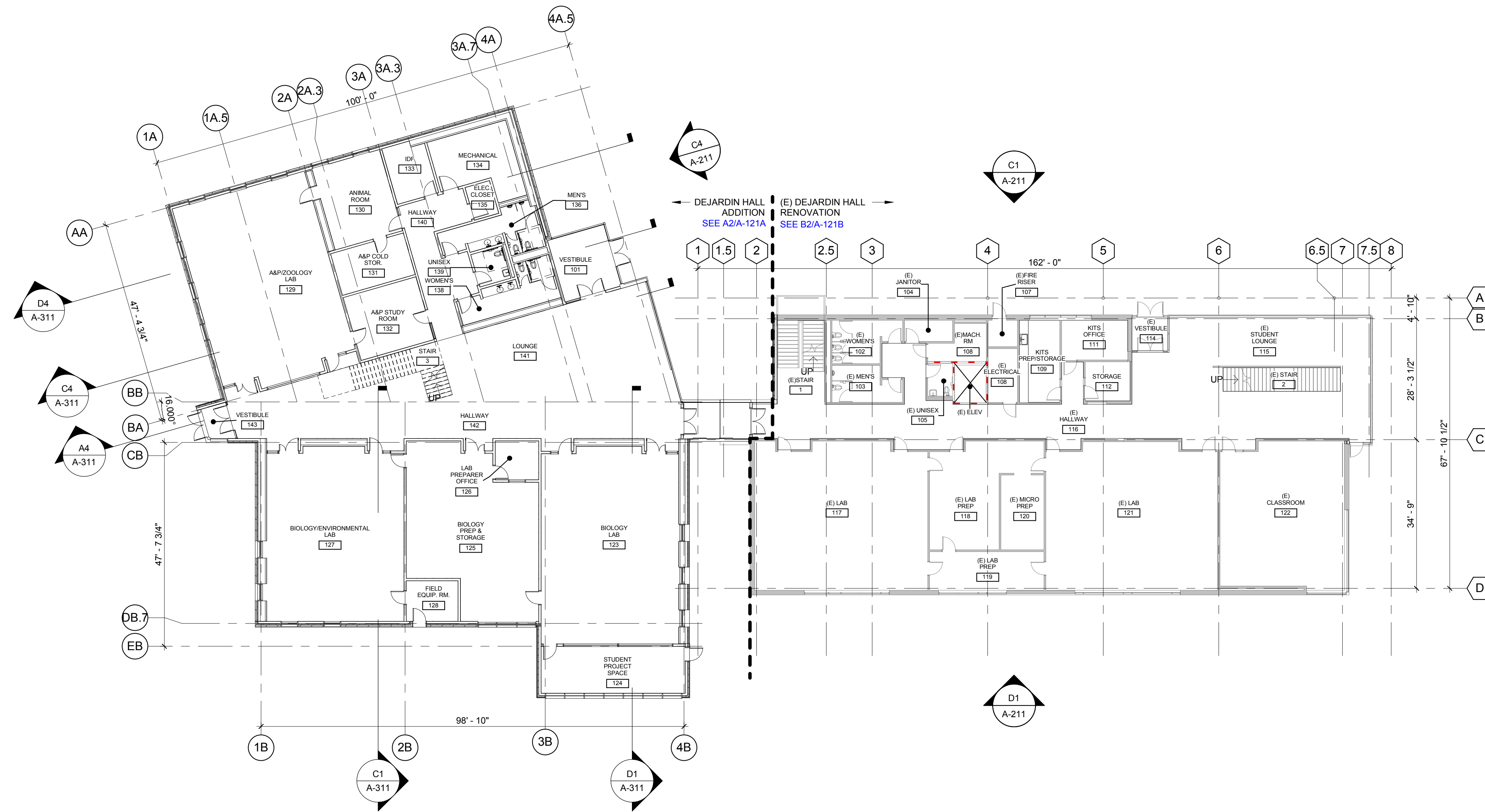
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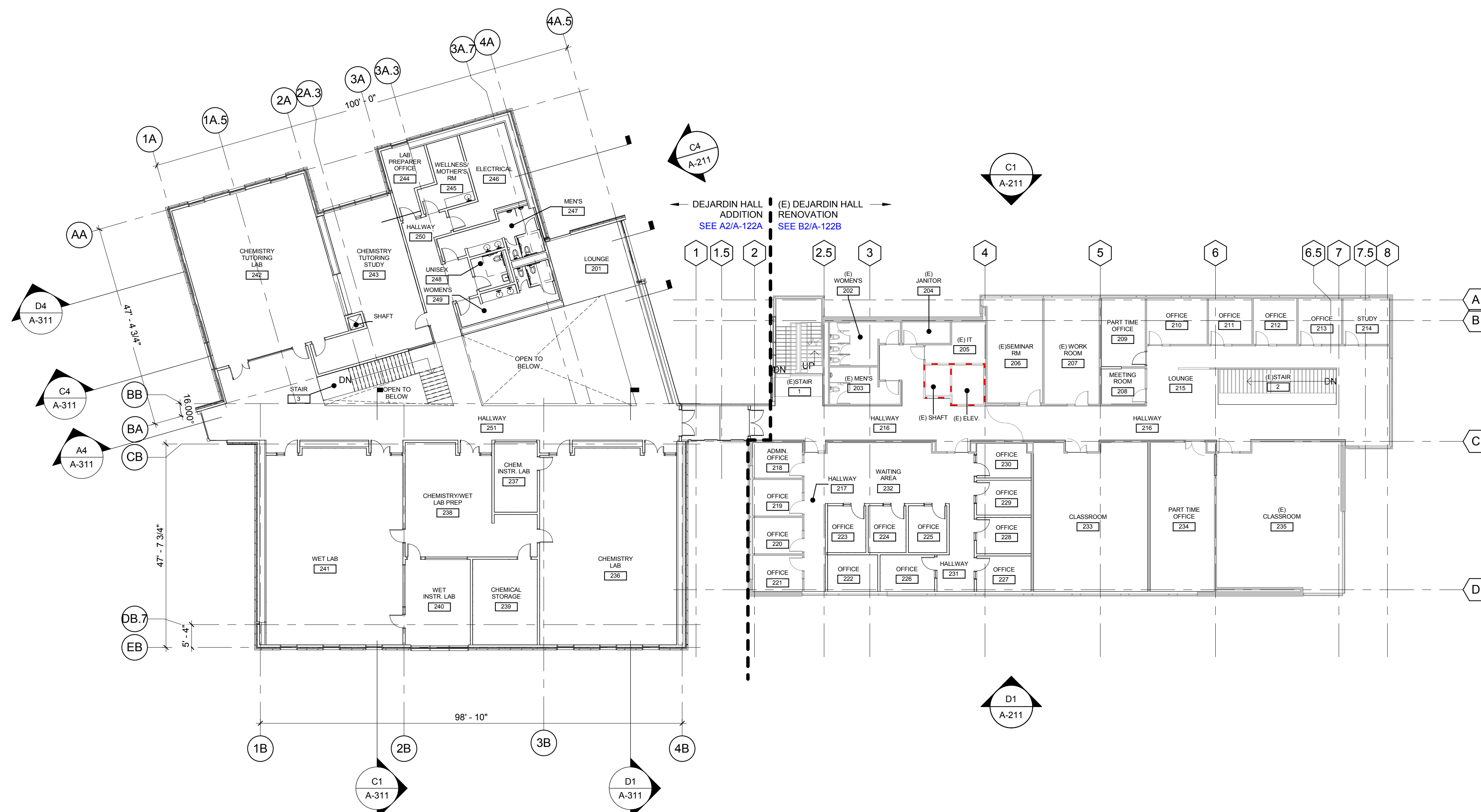
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OVERALL FLOOR PLANS



C2 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"



A2 OVERALL SECOND FLOOR PLAN
1/16" = 1'-0"



KEYNOTES

NUMBER	NOTE
F01	METAL STUDS ON BOTH SIDES OF STRUCTURAL BRACE FRAME
F02	RECESSED DISPLAY CASE
F03	RE-LITE
F04	NEW SINK AND COUNTERTOP. PATCH-BACK CONCRETE SLAB WHERE REMOVED FOR PIPING CONNECTION TO NEW SINK
F05	TWO-STORY GRAPHIC APPLIED TO WALL

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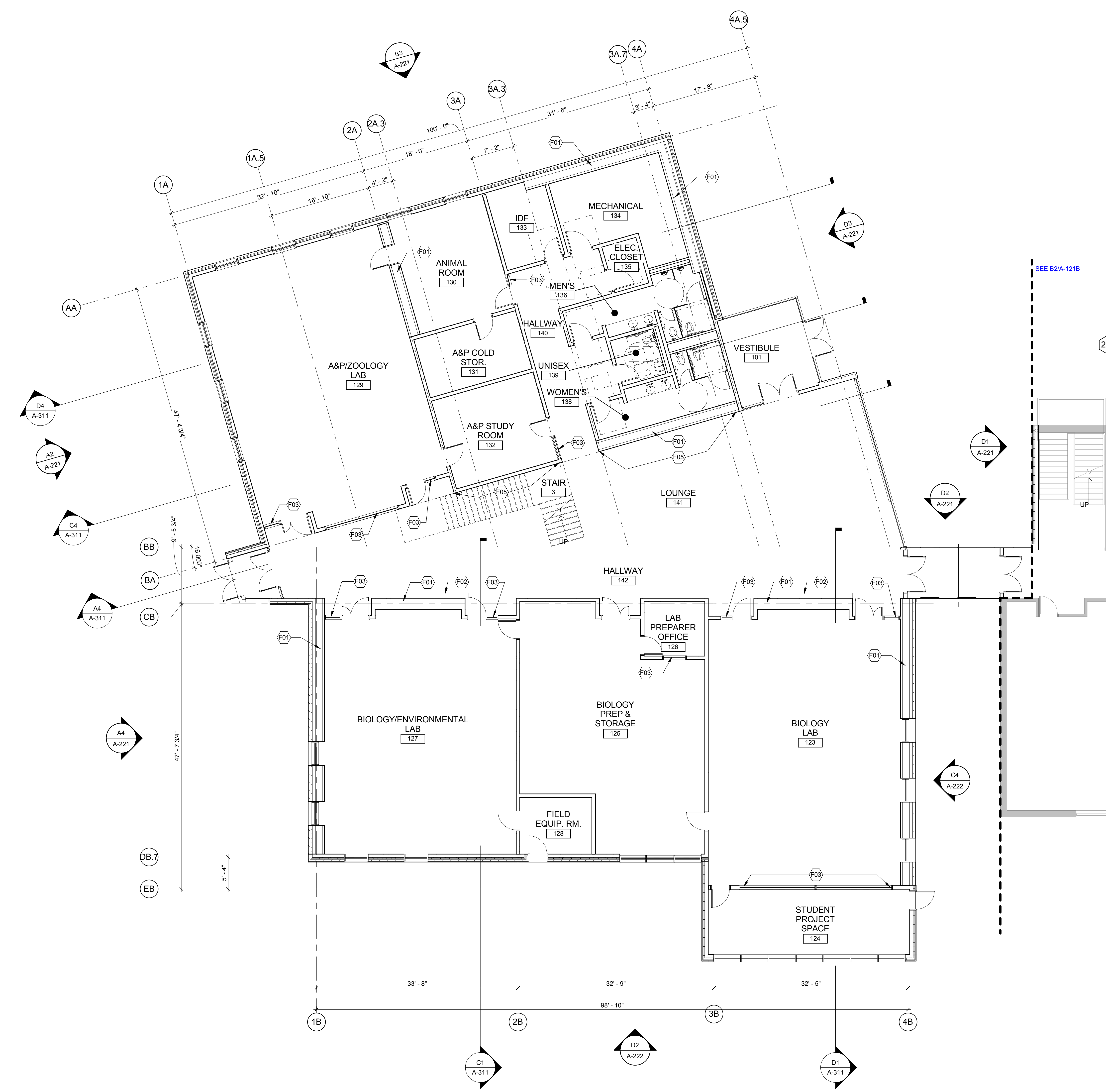
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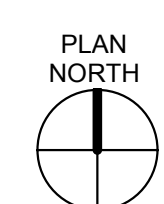
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FIRST FLOOR PLAN - SECTOR 01

A-121A



A2 FIRST FLOOR PLAN - SECTOR 01
1/8" = 1'-0"



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KEYNOTES

NUMBER	NOTE
F01	METAL STUDS ON BOTH SIDES OF STRUCTURAL BRACE FRAME
F02	RECESSED DISPLAY CASE
F03	RE-LITE
F04	NEW SINK AND COUNTERTOP. PATCH-BACK CONCRETE SLAB WHERE REMOVED FOR PIPING CONNECTION TO NEW SINK
F05	TWO-STORY GRAPHIC APPLIED TO WALL

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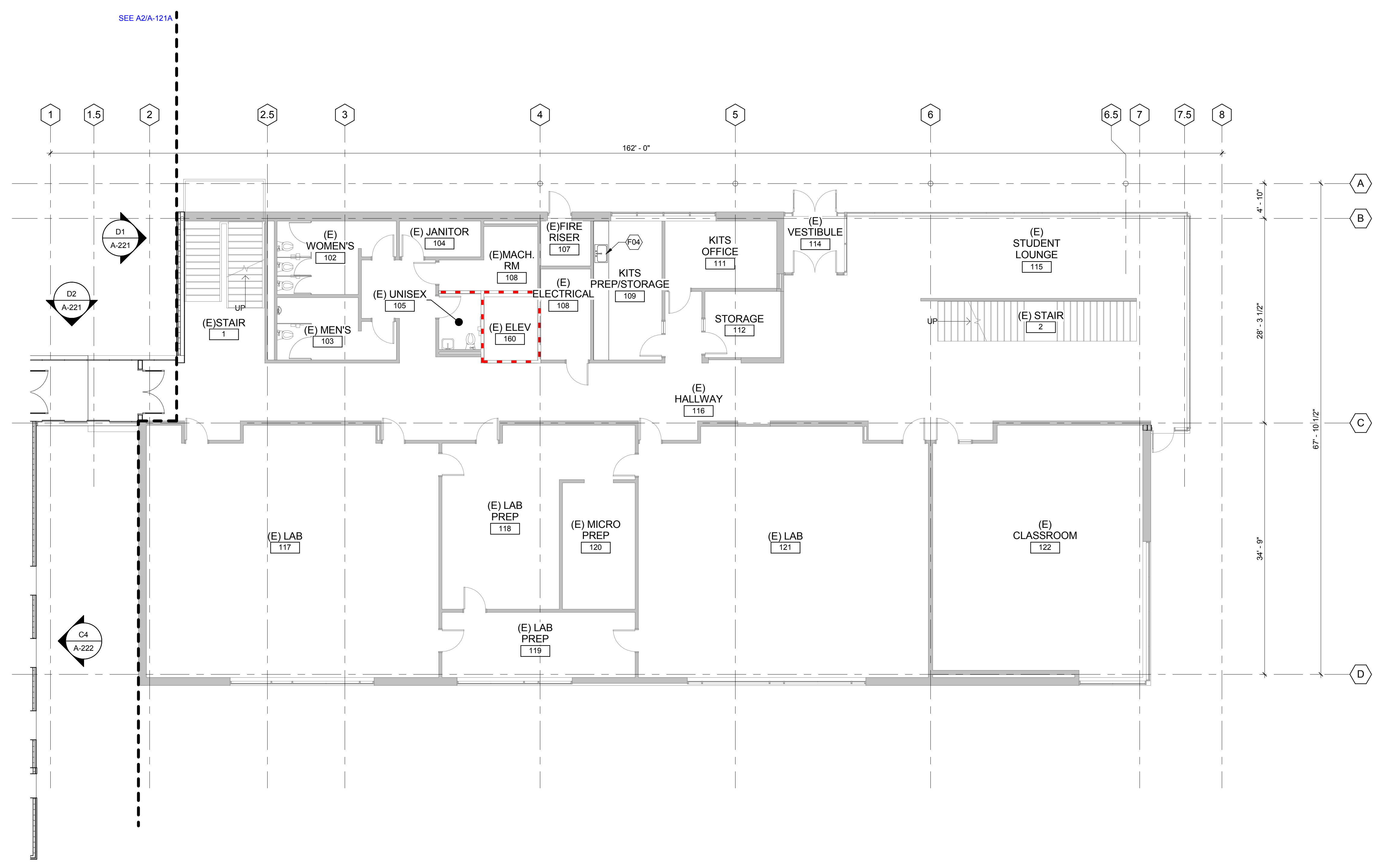
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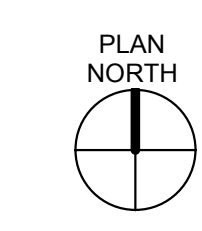
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B2 FIRST FLOOR PLAN - SECTOR 02
 1/8" = 1'-0"

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FIRST FLOOR PLAN - SECTOR 02



A-121B

KEYNOTES

NUMBER	NOTE
F01	METAL STUDS ON BOTH SIDES OF STRUCTURAL BRACE FRAME
F02	RECESSED DISPLAY CASE
F03	RE-LITE
F04	NEW SINK AND COUNTERTOP, PATCH-BACK CONCRETE SLAB WHERE REMOVED FOR PIPING CONNECTION TO NEW SINK
F05	TWO-STORY GRAPHIC APPLIED TO WALL

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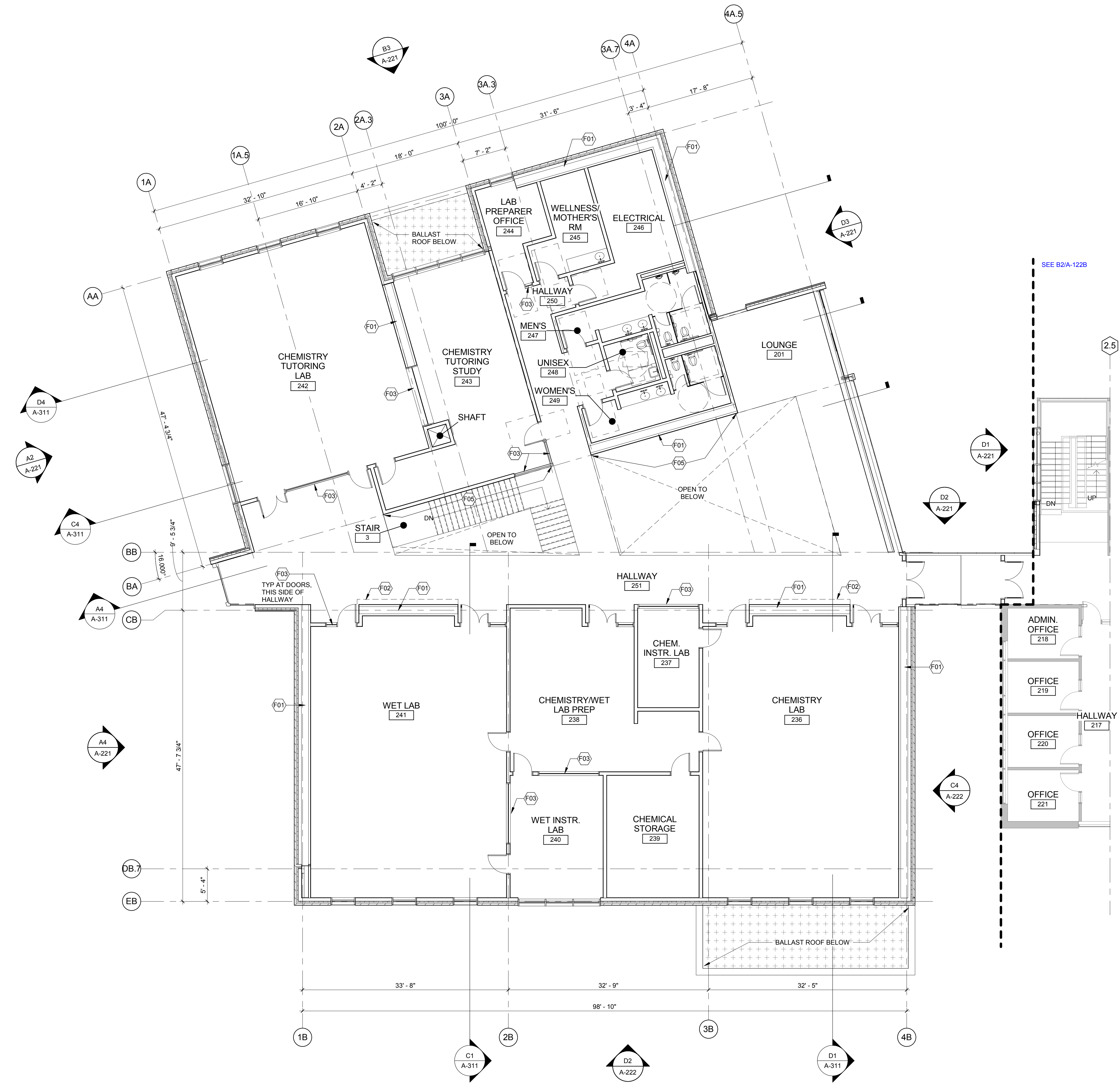
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A2 SECOND FLOOR PLAN - SECTOR 01
1/8" = 1'-0"

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SECOND FLOOR PLAN - SECTOR 01

A-122A

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KEYNOTES

NUMBER	NOTE
F01	METAL STUDS ON BOTH SIDES OF STRUCTURAL BRACE FRAME
F02	RECESSED DISPLAY CASE
F03	RE-LITE
F04	NEW SINK AND COUNTERTOP, PATCH-BACK CONCRETE SLAB WHERE REMOVED FOR PIPING CONNECTION TO NEW SINK
F05	TWO-STORY GRAPHIC APPLIED TO WALL

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B2 SECOND FLOOR PLAN - SECTOR 02
 1/8" = 1'-0"

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SECOND FLOOR PLAN - SECTOR 02



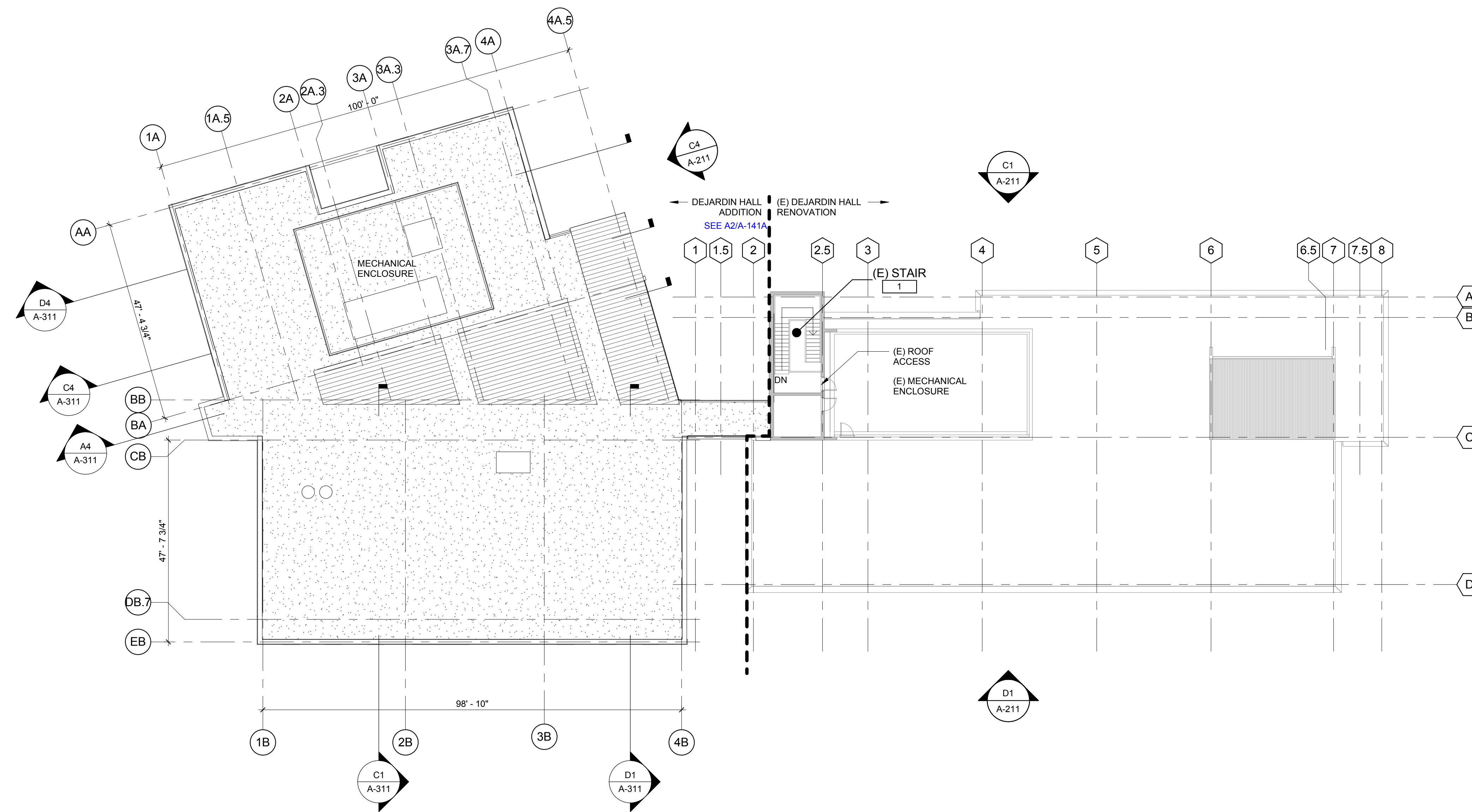
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B2 OVERALL ROOF PLAN
 1/16" = 1'-0"

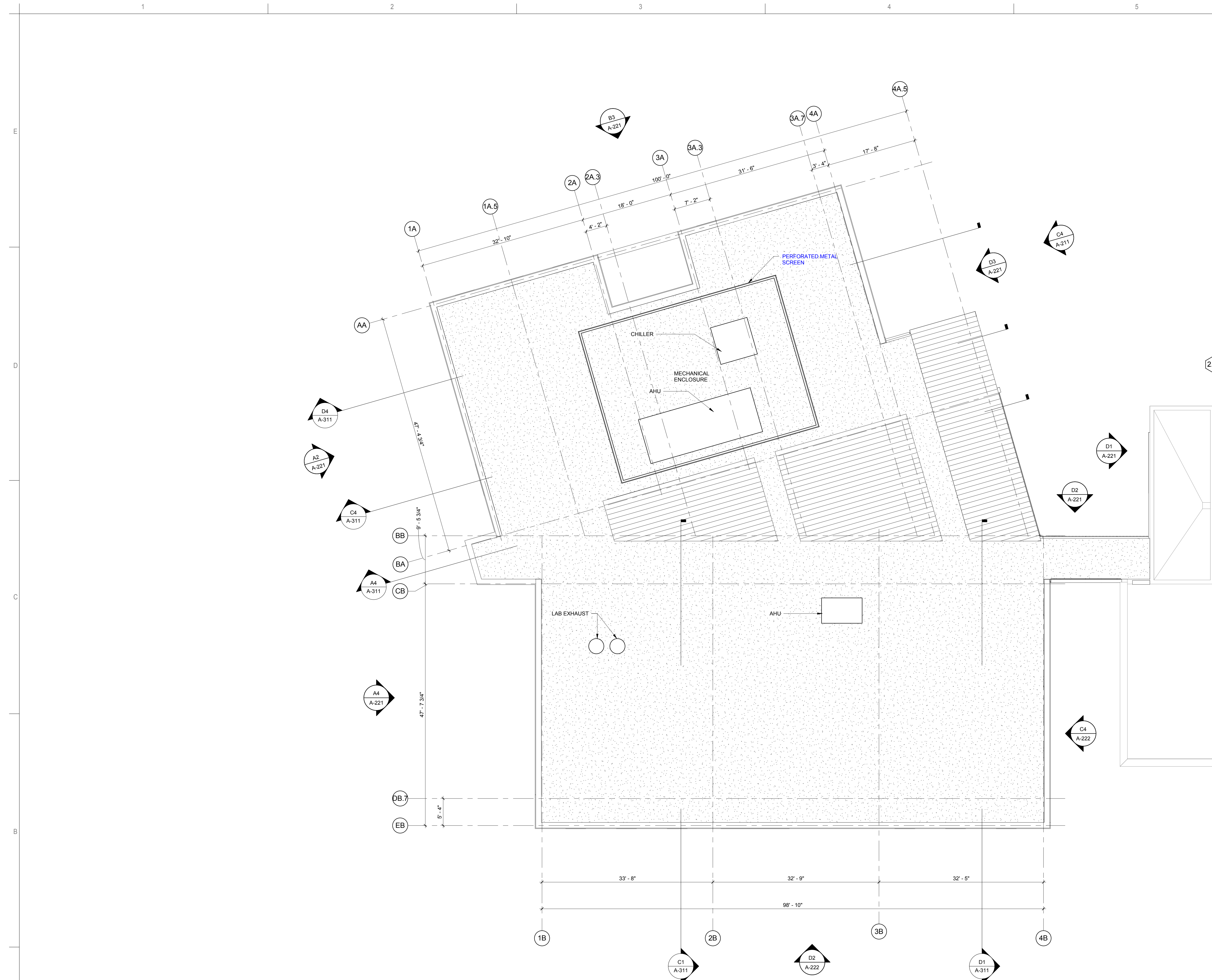
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OVERALL ROOF PLAN





(A2) PARTIAL ROOF PLAN - SECTOR 01
1/8" = 1'-0"

ROOF GENERAL NOTES

1. FALL PROTECTION SYSTEM REQUIRED AT ROOF PERIMETER. SEE BUILDING NARRATIVE

ROOF LEGEND

- 07 41 00 STANDING SEAM METAL ROOF
- 07 51 00 BUILT-UP ROOF

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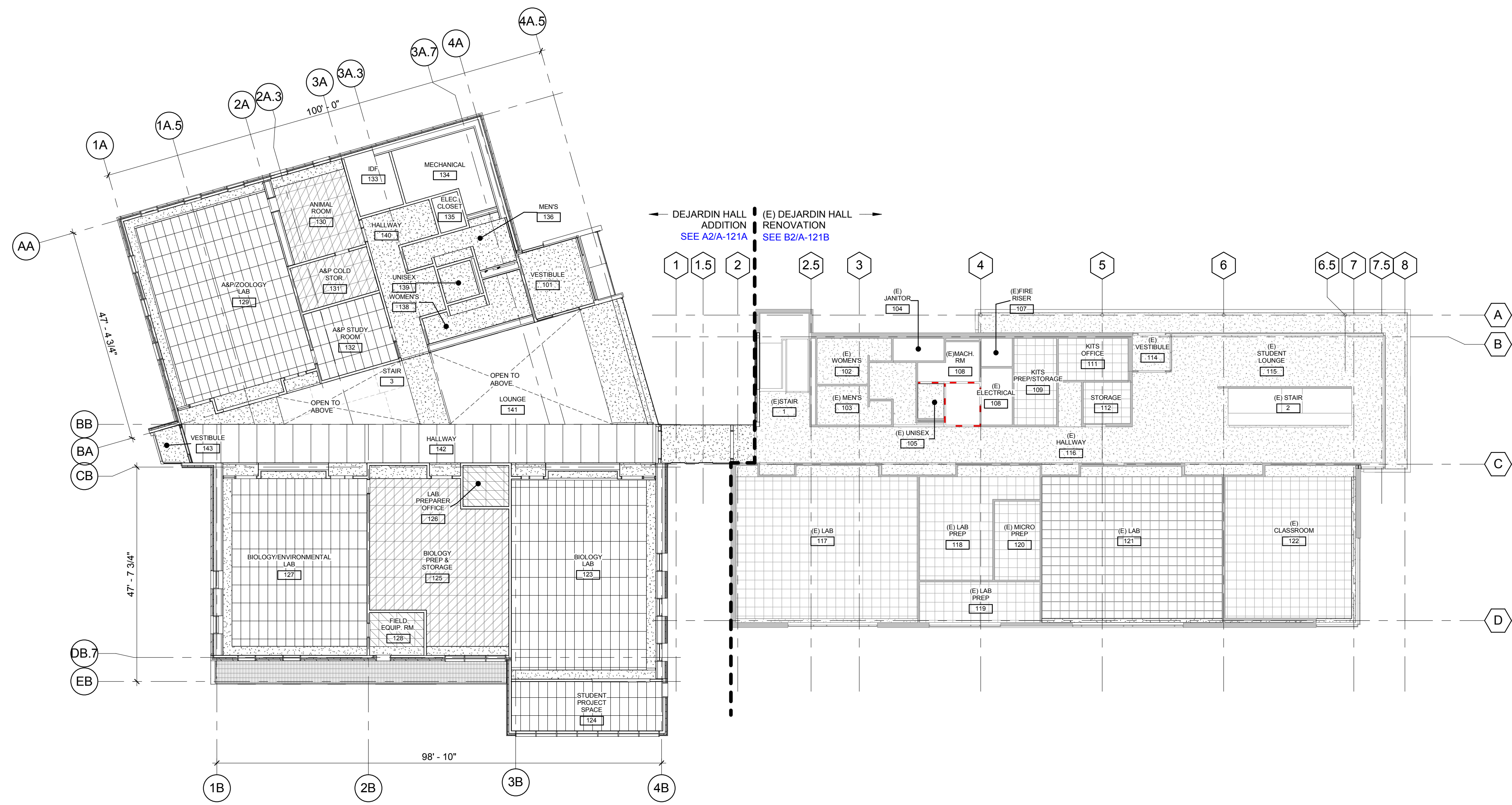
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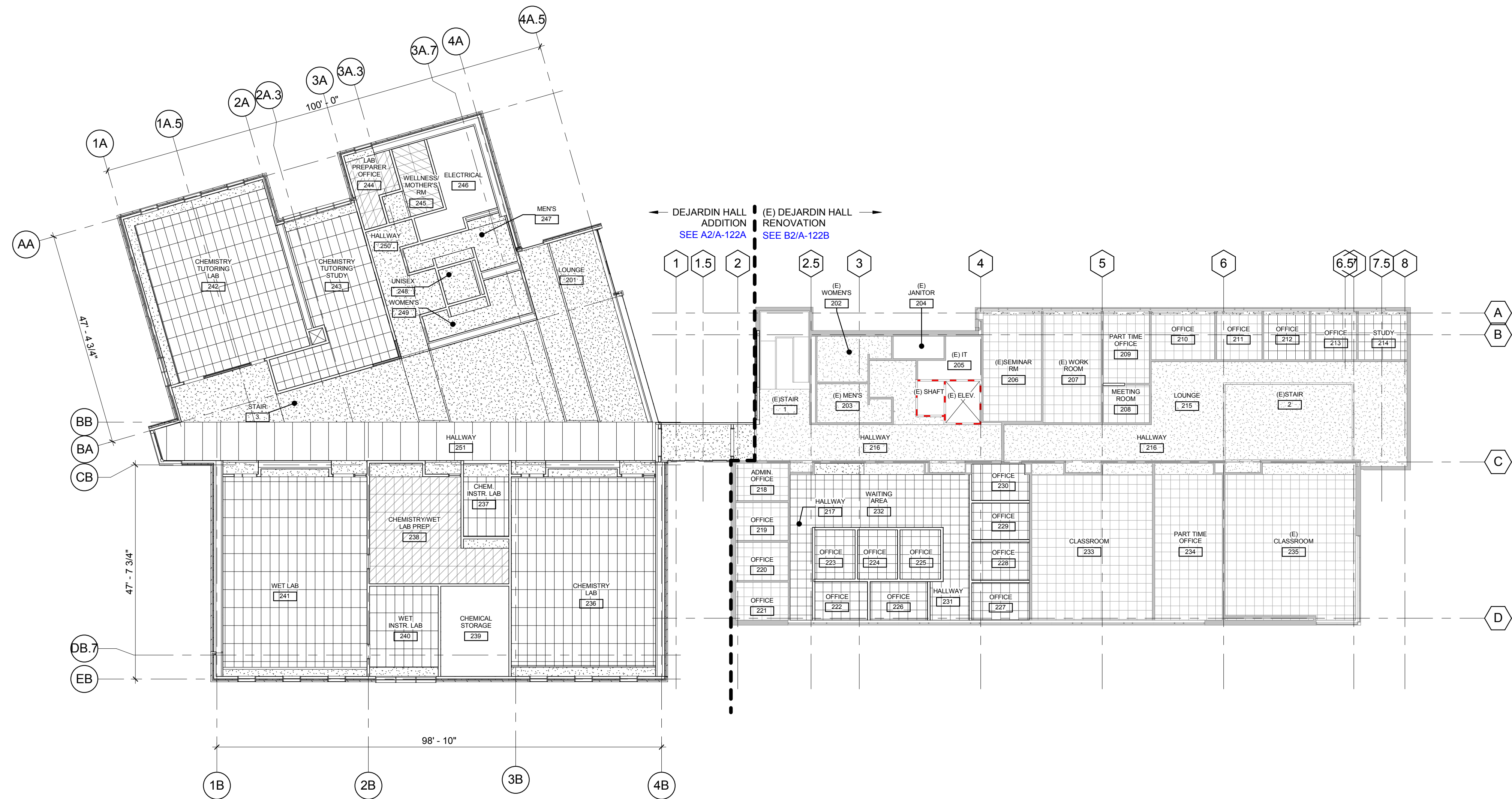
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PARTIAL ROOF PLAN - SECTOR 01		

A-141A

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C2 L01 REFLECTED CEILING PLAN
1/16" = 1'-0"



A2 L02 REFLECTED CEILING PLAN
1/16" = 1'-0"

RCP GENERAL NOTES

1. ALL CEILING SUSPENSION SYSTEMS SHALL HAVE SEISMIC RESTRAINTS THAT COMPLY WITH APPLICABLE CODES AND ORDINANCES IN FORCE AT TIME OF CONSTRUCTION
2. CENTER ITEMS IN CEILING TILES UNLESS OTHERWISE NOTED

RCP MATERIAL LEGEND

- 09 21 16 GYPSUM WALLBOARD CEILING (PT-1)
- 09 51 00 ACOUSTICAL CEILING TILE-24X24 (ACT-1)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-2)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-3)
- 05 00 00 UNISTRUT OPEN-FRAMED SOFFIT WITH TECTUM AT UNDERSIDE OF SLAB/METAL DECKING
- 04 00 00 BRICK SOFFIT (BP-2)

RCP SYMBOL LEGEND

- 8'-6" CEILING HEIGHT FROM FINISH FLOOR

KEYNOTES

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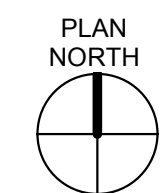
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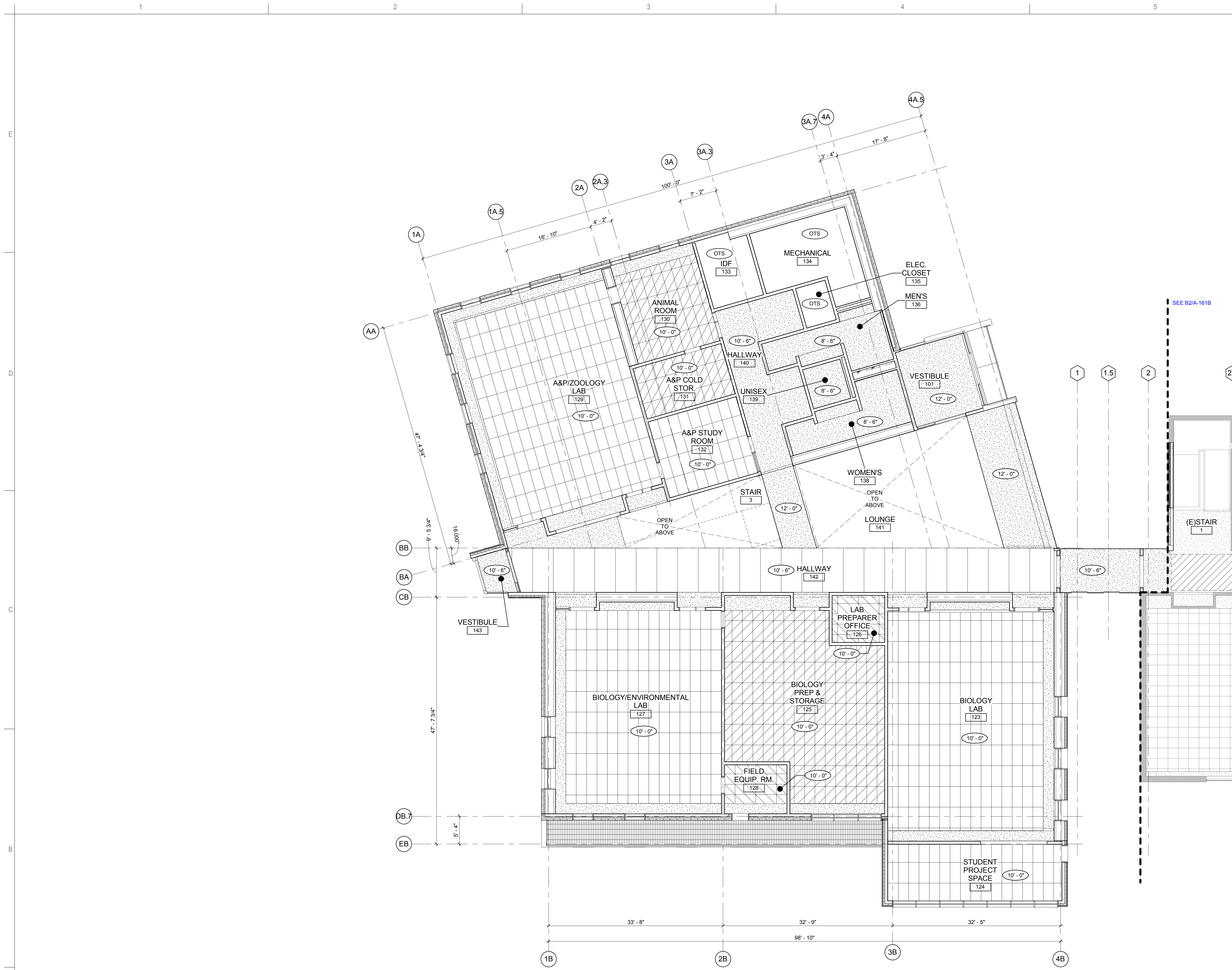
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REFLECTED CEILING PLAN



A-151



A2 FIRST FLOOR REFLECTED CEILING PLAN - SECTOR 01
1/8" = 1'-0"

RCP GENERAL NOTES

1. ALL CEILING SUSPENSION SYSTEMS SHALL HAVE SEISMIC RESTRAINTS THAT COMPLY WITH APPLICABLE CODES AND ORDINANCES IN FORCE AT TIME OF CONSTRUCTION
2. CENTER ITEMS IN CEILING TILES UNLESS OTHERWISE NOTED

RCP MATERIAL LEGEND

- 09 21 16 GYPSUM WALLBOARD CEILING (PT-1)
- 09 51 00 ACOUSTICAL CEILING TILE-24X24 (ACT-1)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-2)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-3)
- 05 00 00 UNISTRUT OPEN-FRAMED SOFFIT WITH TECTUM AT UNDERSIDE OF SLAB/METAL DECKING
- 04 00 00 BRICK SOFFIT (BP-2)

RCP SYMBOL LEGEND

- 8'-6" CEILING HEIGHT FROM FINISH FLOOR

KEYNOTES

NUMBER	NOTE
C01	PATCH AREAS OF REMOVED CEILING FOR INSTALLATION OF NEW SPRINKLER MAIN FROM EXISTING FIRE RISER. FINISH SMOOTH.

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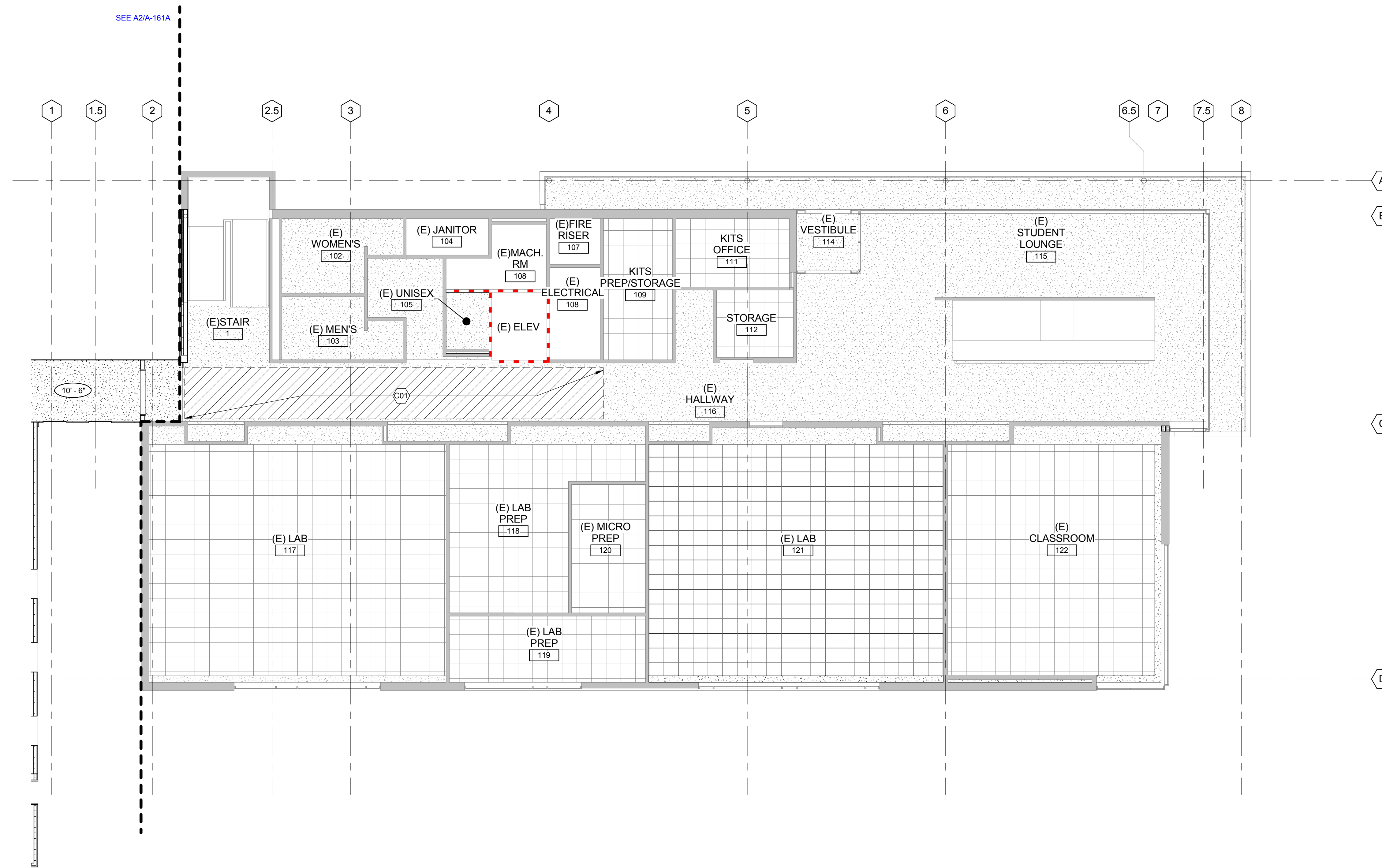
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FIRST FLOOR RCP - SECTOR 01		

A-161A

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B2 FIRST FLOOR REFLECTED CEILING PLAN - SECTOR 02
1/8" = 1'-0"

RCP GENERAL NOTES

1. ALL CEILING SUSPENSION SYSTEMS SHALL HAVE SEISMIC RESTRAINTS THAT COMPLY WITH APPLICABLE CODES AND ORDINANCES IN FORCE AT TIME OF CONSTRUCTION
2. CENTER ITEMS IN CEILING TILES UNLESS OTHERWISE NOTED

RCP MATERIAL LEGEND

- 09 21 16 GYPSUM WALLBOARD CEILING (PT-1)
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- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-2)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-3)
- 05 00 00 UNISTRUT OPEN-FRAMED SOFFIT WITH TECTUM AT UNDERSIDE OF SLAB/METAL DECKING
- 04 00 00 BRICK SOFFIT (BP-2)

RCP SYMBOL LEGEND

- 8'-0" CEILING HEIGHT FROM FINISH FLOOR

KEYNOTES

NUMBER	NOTE
C01	PATCH AREAS OF REMOVED CEILING FOR INSTALLATION OF NEW SPRINKLER MAIN FROM EXISTING FIRE RISER, FINISH SMOOTH.

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FIRST FLOOR RCP - SECTOR 02

A-161B



A2 SECOND FLOOR REFLECTED CEILING PLAN - SECTOR 01
 1/8" = 1'-0"

RCP GENERAL NOTES

1. ALL CEILING SUSPENSION SYSTEMS SHALL HAVE SEISMIC RESTRAINTS THAT COMPLY WITH APPLICABLE CODES AND ORDINANCES IN FORCE AT TIME OF CONSTRUCTION
2. CENTER ITEMS IN CEILING TILES UNLESS OTHERWISE NOTED

RCP MATERIAL LEGEND

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- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-3)
- 05 00 00 UNISTRUT OPEN-FRAMED SOFFIT WITH TECTUM AT UNDERSIDE OF SLAB/METAL DECKING
- 04 00 00 BRICK SOFFIT (BP-2)

RCP SYMBOL LEGEND

- 8'-0" CEILING HEIGHT FROM FINISH FLOOR

KEYNOTES

NUMBER	NOTE
C01	PATCH AREAS OF REMOVED CEILING FOR INSTALLATION OF NEW SPRINKLER MAIN FROM EXISTING FIRE RISER, FINISH SMOOTH.

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SECOND FLOOR RCP - SECTOR 01

A-162A



B2 SECOND FLOOR REFLECTED CEILING PLAN - SECTOR 02
1/8" = 1'-0"

RCP GENERAL NOTES

1. ALL CEILING SUSPENSION SYSTEMS SHALL HAVE SEISMIC RESTRAINTS THAT COMPLY WITH APPLICABLE CODES AND ORDINANCES IN FORCE AT TIME OF CONSTRUCTION
2. CENTER ITEMS IN CEILING TILES UNLESS OTHERWISE NOTED

RCP MATERIAL LEGEND

- 09 21 16 GYPSUM WALLBOARD CEILING (PT-1)
- 09 51 00 ACOUSTICAL CEILING TILE-24X24 (ACT-1)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-2)
- 09 51 00 ACOUSTICAL CEILING TILE-24X48 (ACT-3)
- 05 00 00 UNISTRUT OPEN-FRAMED SOFFIT WITH TECTUM AT UNDERSIDE OF SLAB/METAL DECKING
- 04 00 00 BRICK SOFFIT (BP-2)

RCP SYMBOL LEGEND

- 9'-6" CEILING HEIGHT FROM FINISH FLOOR

KEYNOTES

NUMBER	NOTE
C01	PATCH AREAS OF REMOVED CEILING FOR INSTALLATION OF NEW SPRINKLER MAIN FROM EXISTING FIRE RISER. FINISH SMOOTH.

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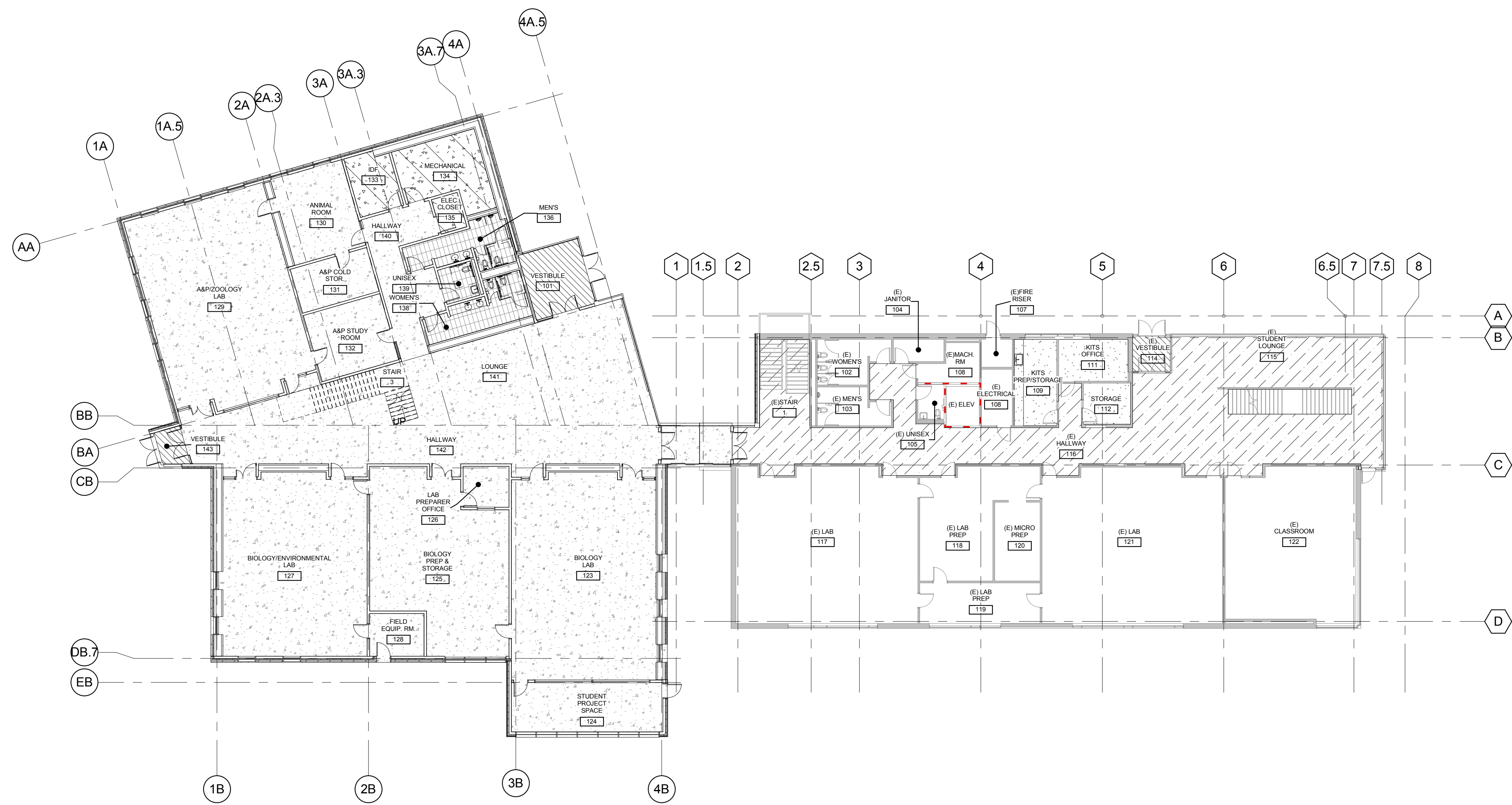
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SECOND FLOOR RCP - SECTOR 02

A-162B



C2 FIRST FLOOR FINISH PLAN
1/16" = 1'-0"



A2 SECOND FLOOR FINISH PLAN
1/16" = 1'-0"

GENERAL NOTES

1. FLOOR FINISH PATTERNS ARE NOT REPRESENTATIVE OF ACTUAL MATERIAL PATTERN, SCALE, OR DIRECTION.

MATERIAL LEGEND

- CONCRETE**
- 03 30 00 POLISHED CONCRETE
 - 09 00 00 SEALED CONCRETE
- PORCELAIN TILE**
- 03 30 00 POLISHED CONCRETE
- CARPET**
- 09 68 00 CARPET TILE (CPT-1)
 - 09 68 00 CARPET TILE (CPT-2)
 - 09 00 00 WALK OFF MAT (WOM-1)

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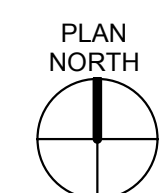
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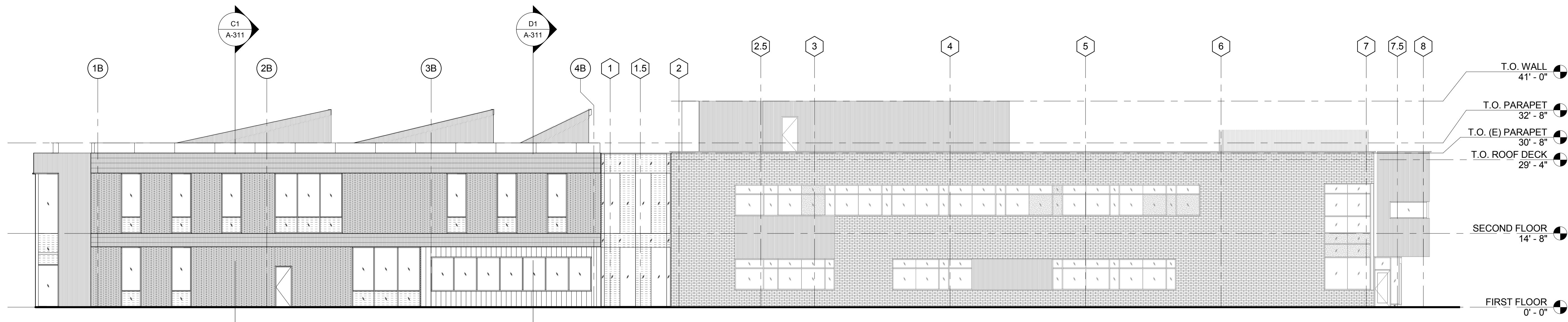
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FINISH FLOOR PLANS



A-171

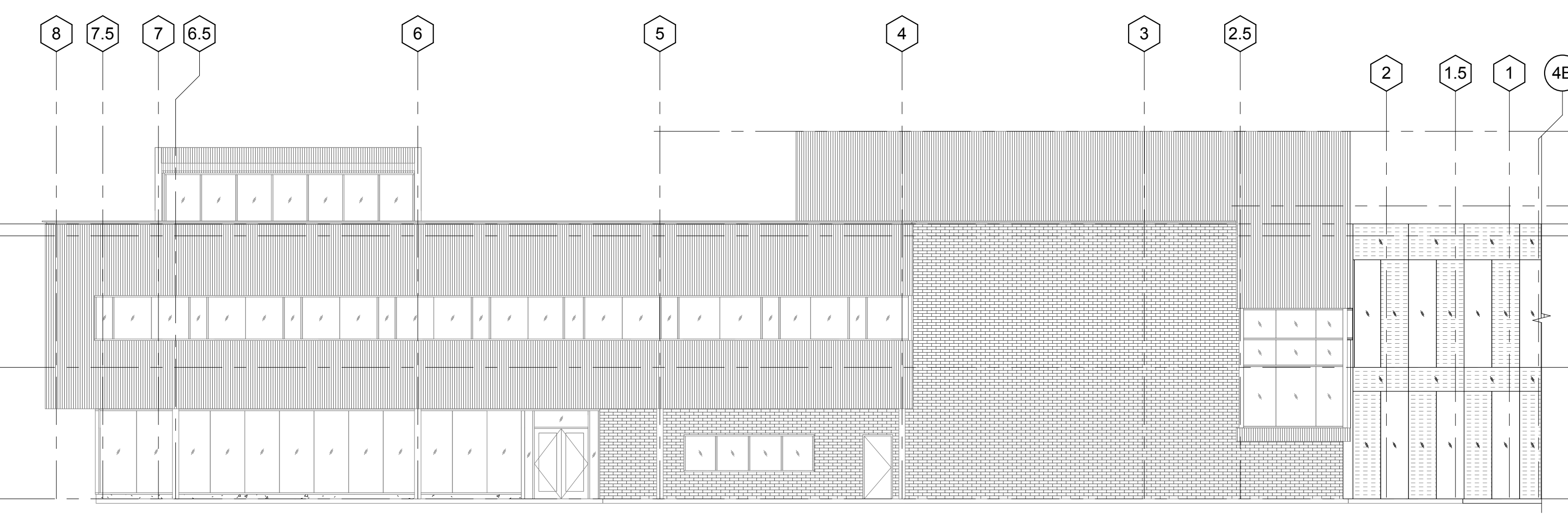


D1 SOUTH ELEVATION
3/32" = 1'-0"

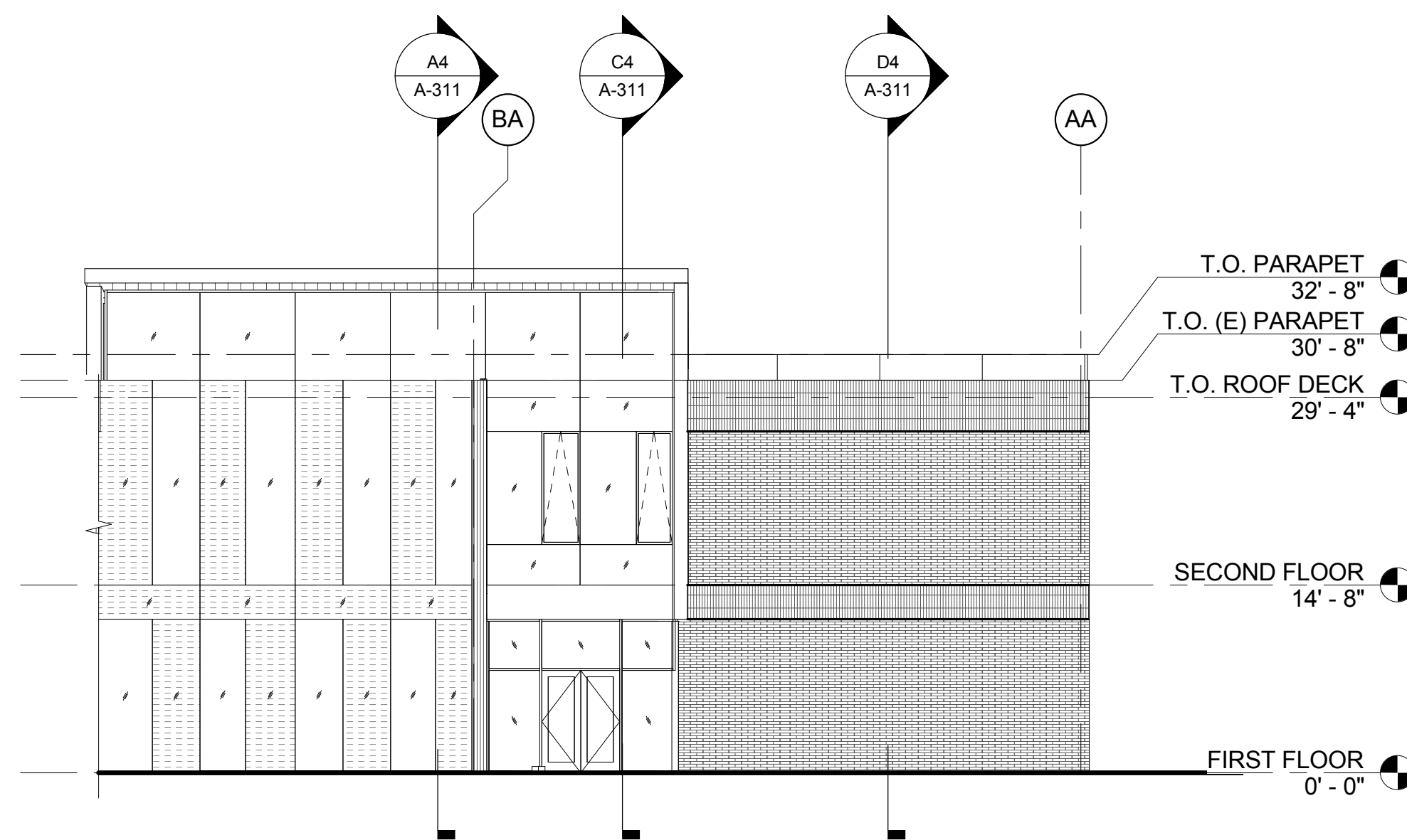
ELEVATION LEGEND

- 07 42 13 METAL PANEL (MP-1)
- 07 42 13 METAL PANEL (MP-2)
- 04 20 13 BRICK MASONRY - RUNNING BOND (BP-1)
- 04 20 00 BRICK MASONRY - STACKED SOLDIER COURSE (BP-2)
- SPANDREL GLASS
- OPERABLE WINDOW

KEYNOTES



C1 NORTH ELEVATION
3/32" = 1'-0"



C4 NORTH-EAST ELEVATION
3/32" = 1'-0"

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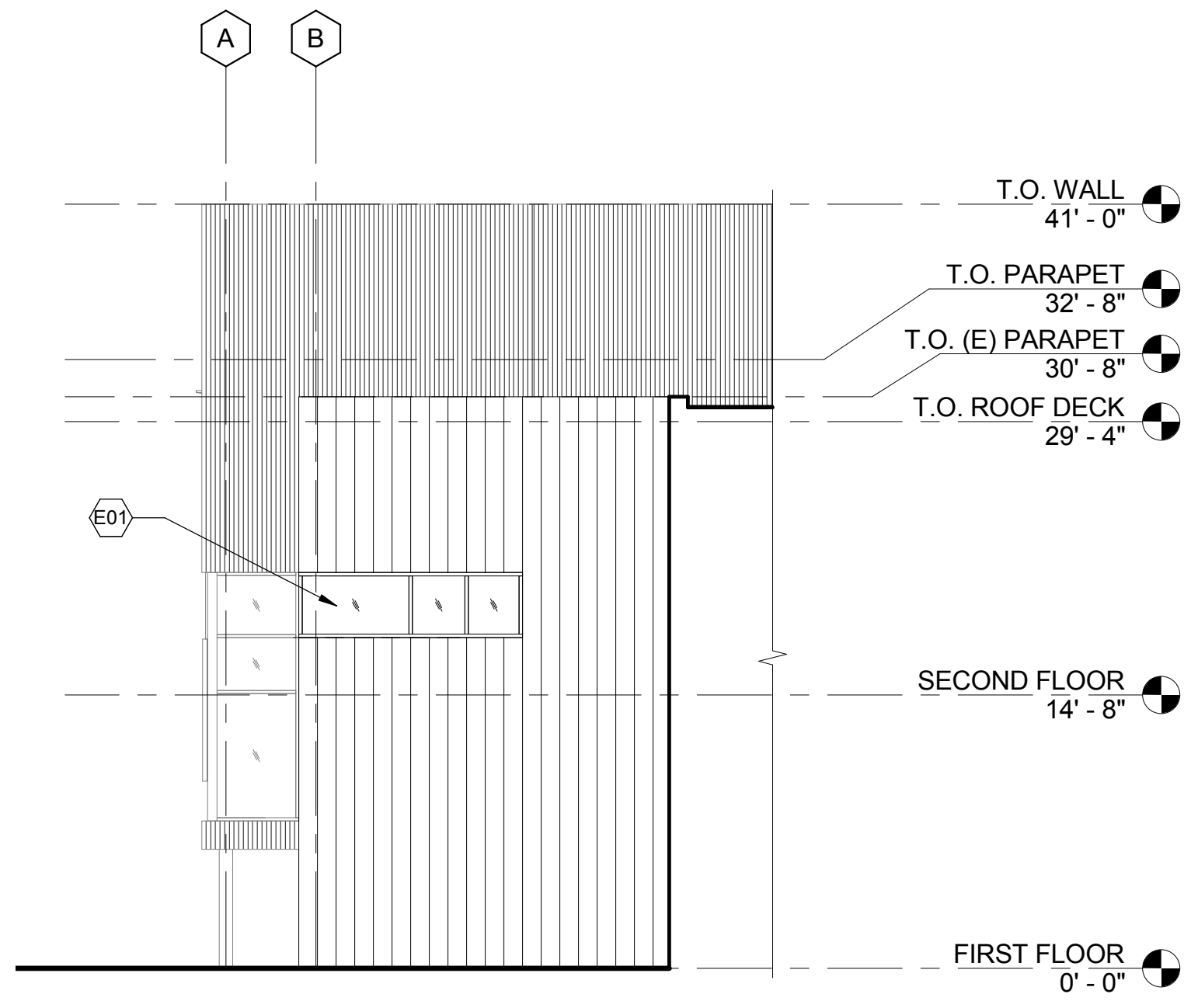
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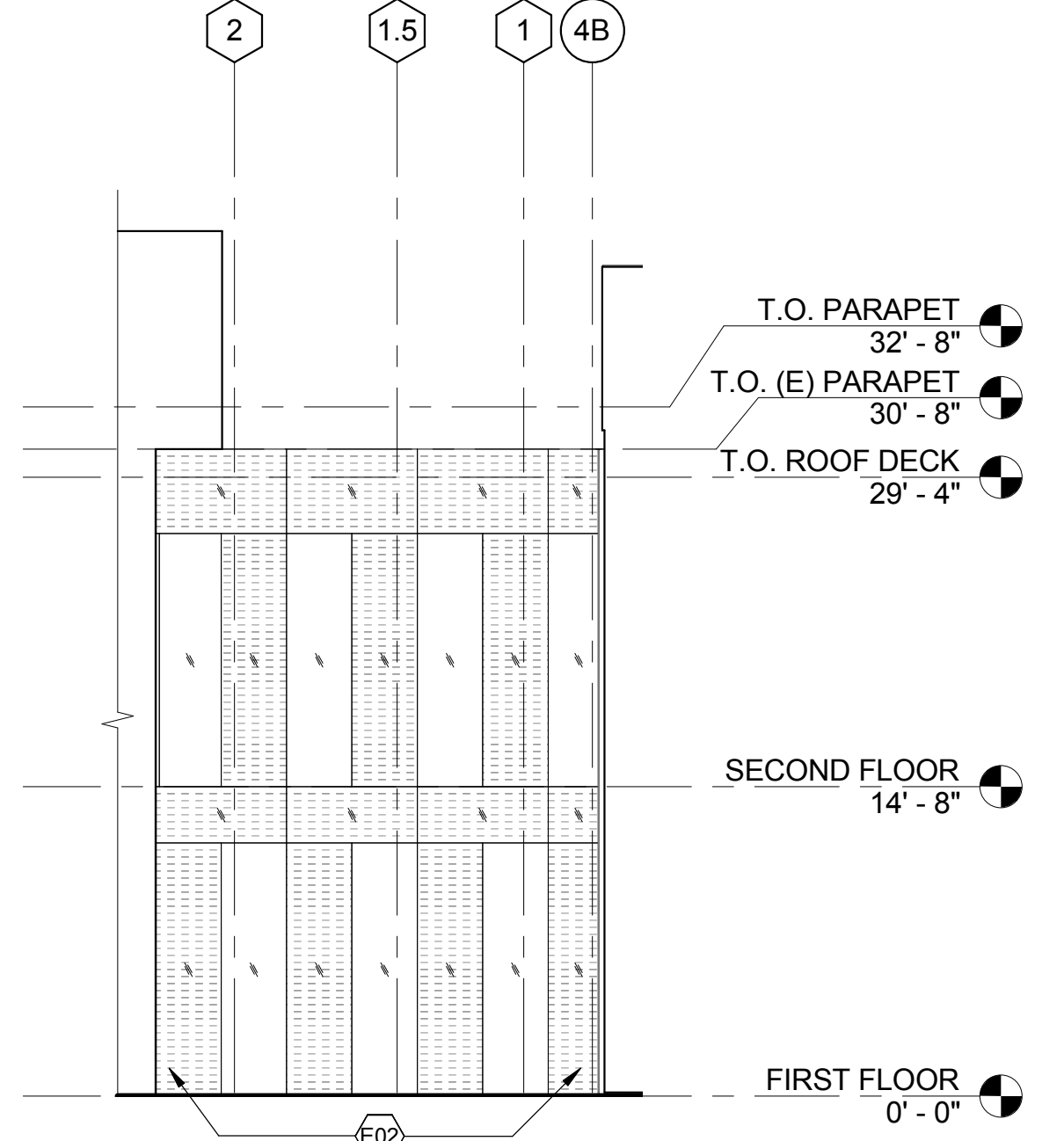
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EXTERIOR ELEVATIONS - OVERALL

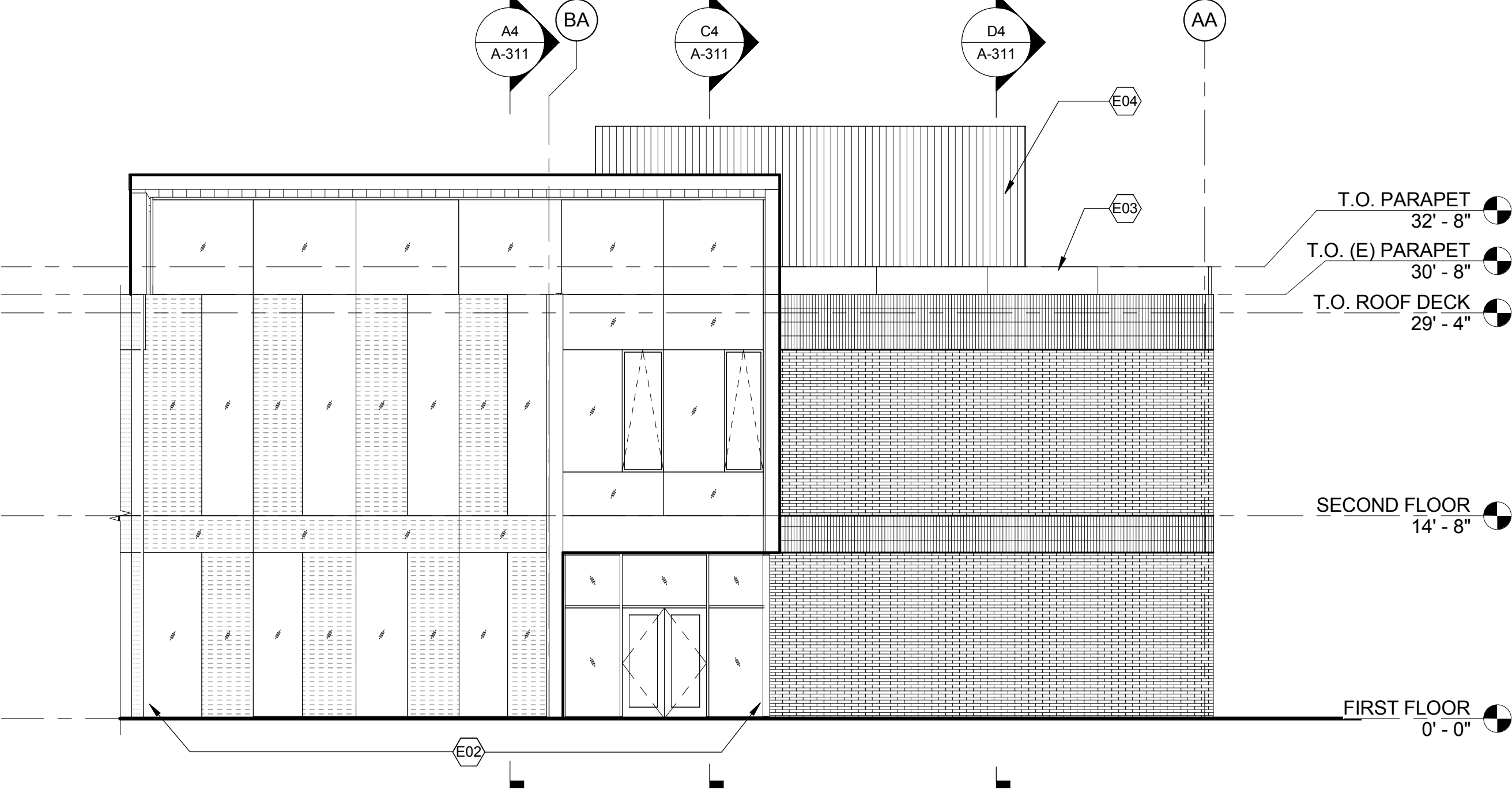
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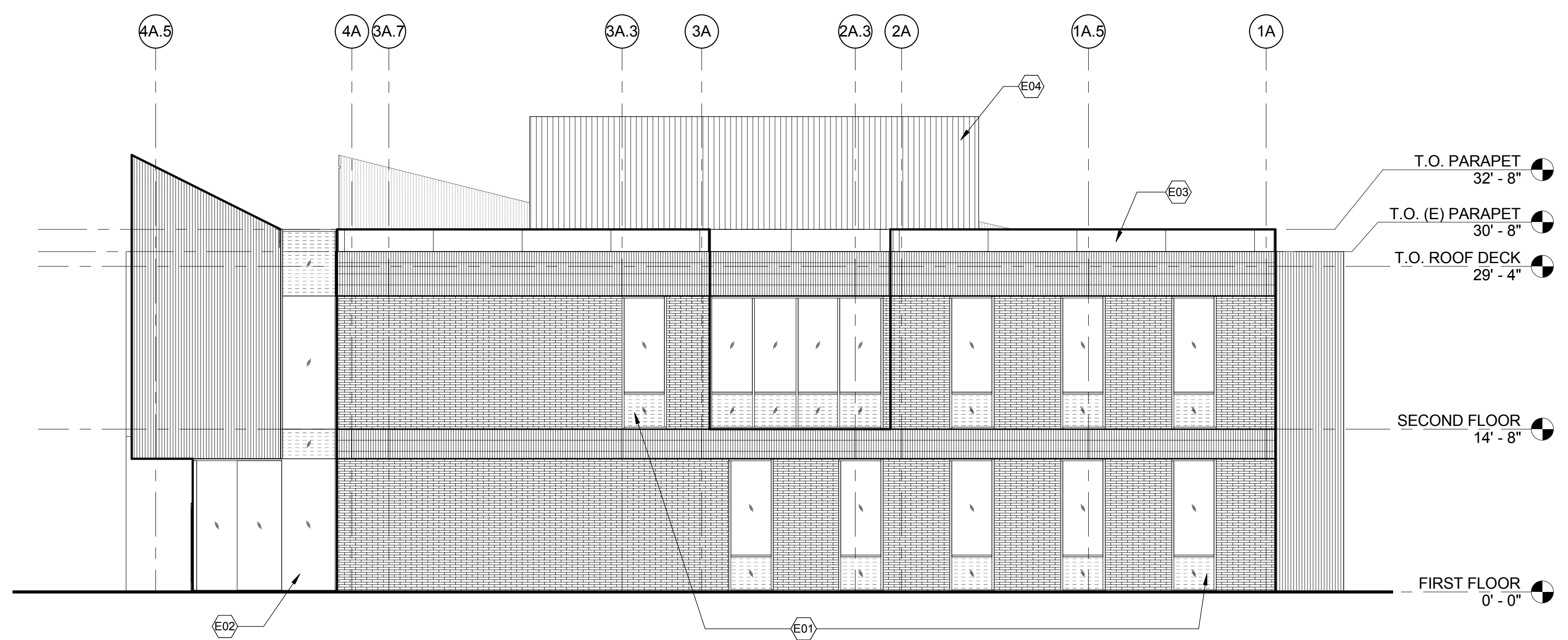
D1 WEST ELEVATION
1/8" = 1'-0"



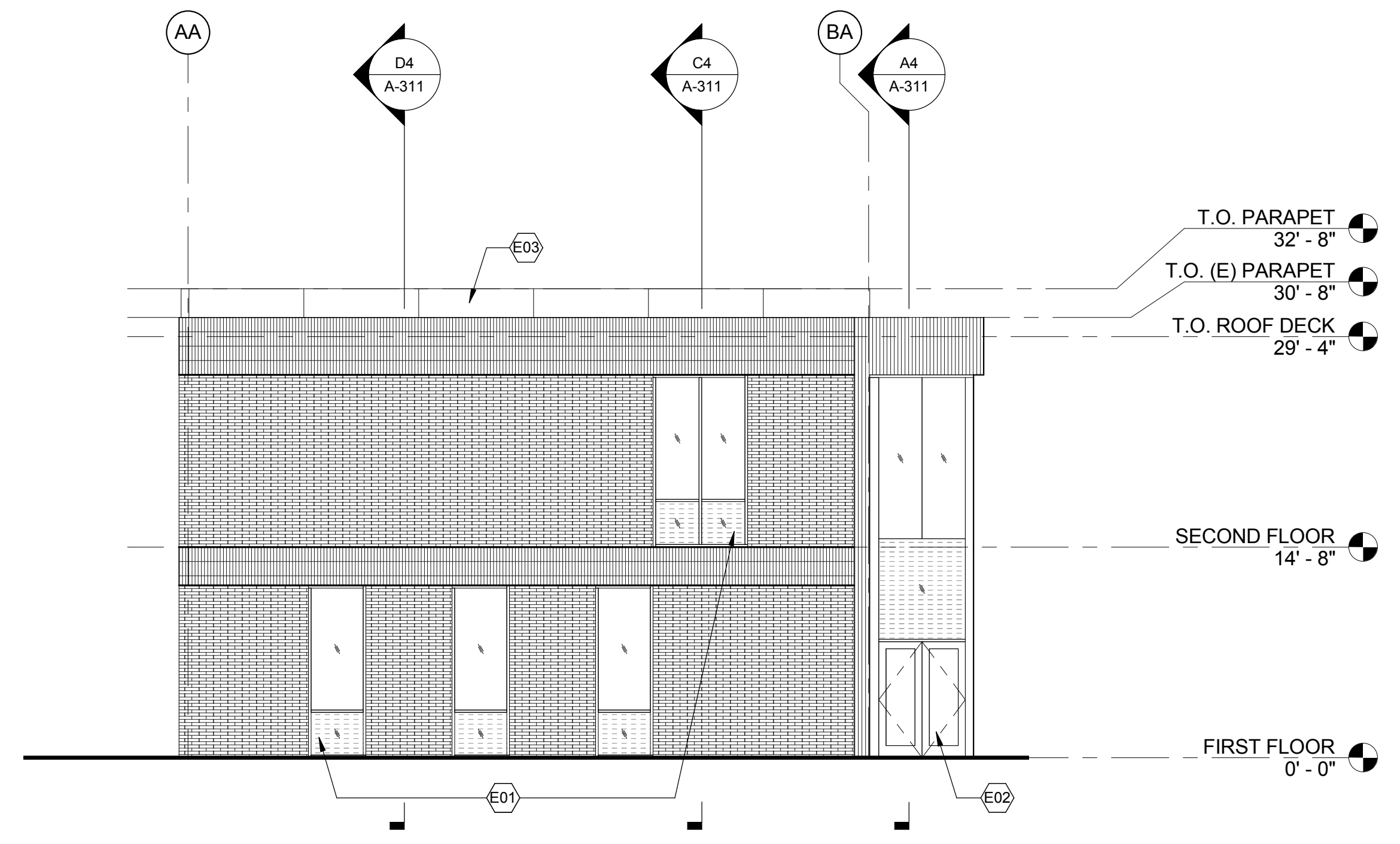
D2 ADDITION - NORTH BRIDGE ELEVATION
1/8" = 1'-0"



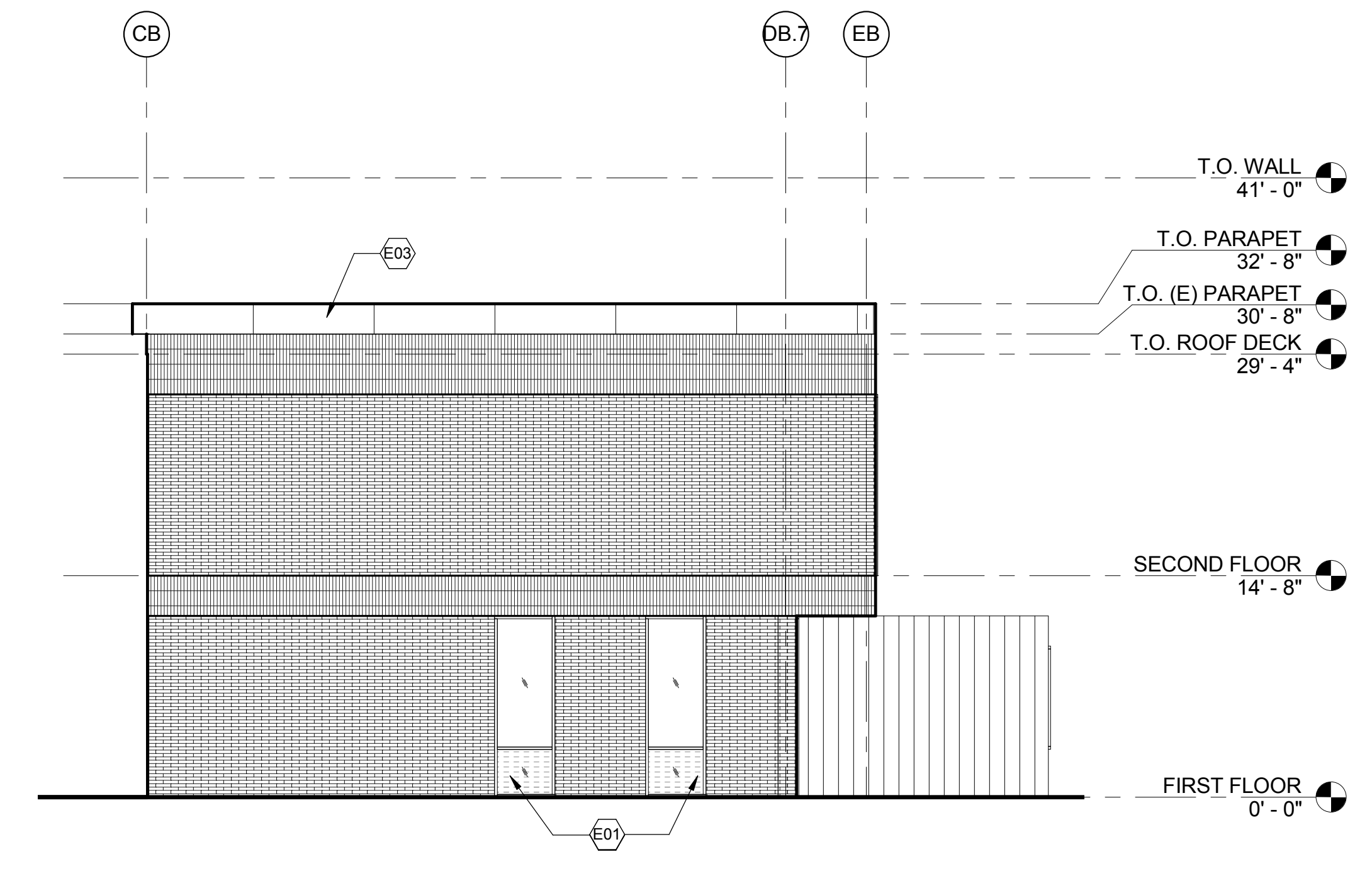
D3 ADDITION - NOTHEAST ELEVATION
1/8" = 1'-0"



B3 ADDITION - NORTH ELEVATION
1/8" = 1'-0"



A2 ADDITION - WEST ELEVATION-NORTH
1/8" = 1'-0"



A4 ADDITION - WEST ELEVATION-SOUTH
1/8" = 1'-0"

ELEVATION LEGEND

- 07 42 13 METAL PANEL (MP-1)
- 07 42 13 METAL PANEL (MP-2)
- 04 20 00 BRICK MASONRY - RUNNING BOND (BP-1)
- 04 20 00 BRICK MASONRY - STACKED SOLDIER COURSE (BP-2)
- SPANDREL GLASS
- OPERABLE WINDOW

KEYNOTES

NUMBER	NOTE
E01	STORE FRONT WINDOW(S)
E02	CURTAIN WALL SYSTEM
E03	PRE-FINISHED METAL COPING
E04	PERFORATED MECHANICAL SCREEN

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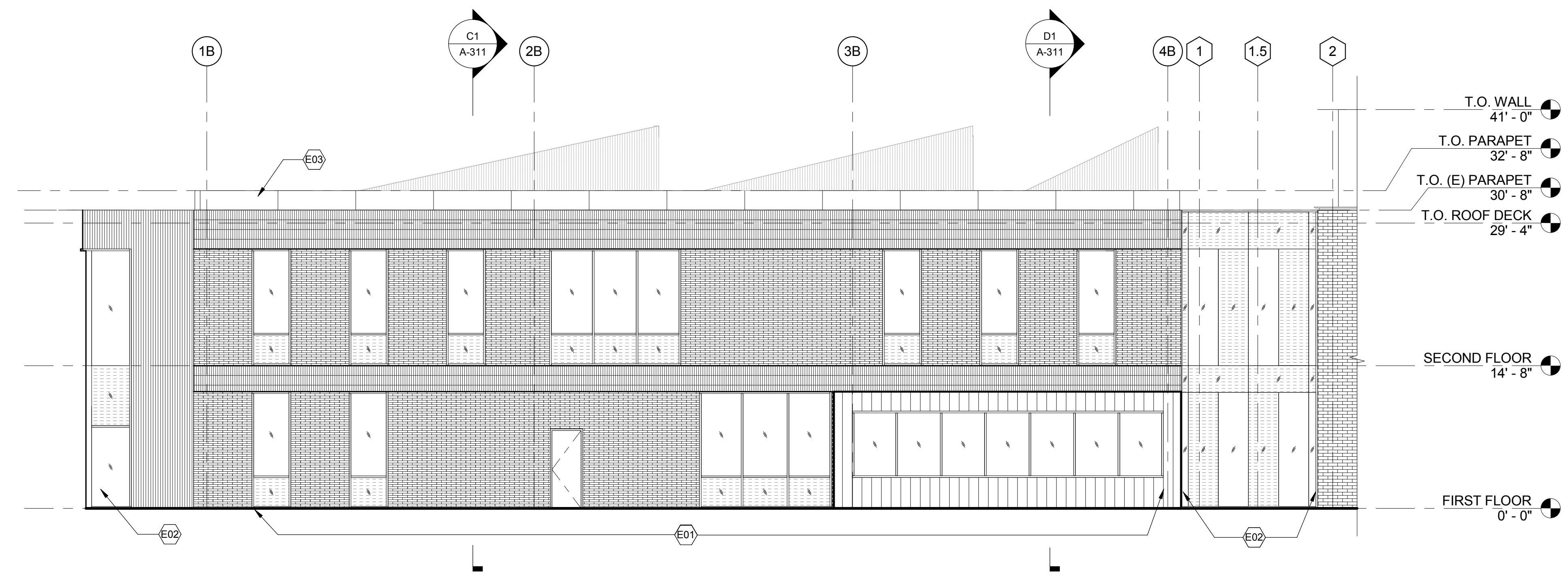
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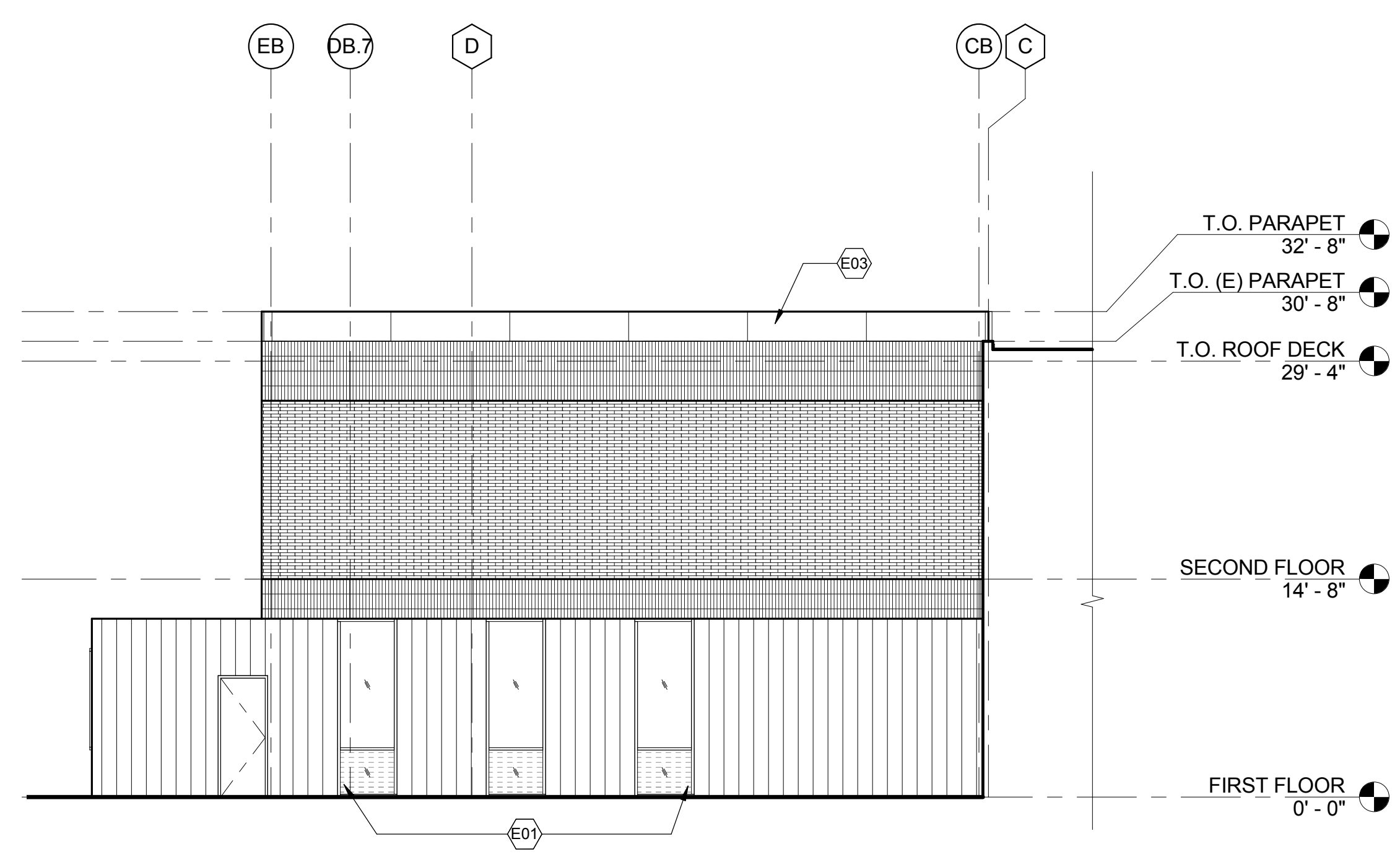
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EXTERIOR ELEVATIONS

A-221



D2 ADDITION - SOUTH ELEVATION
1/8" = 1'-0"



C4 ADDITION-EAST ELEVATION
1/8" = 1'-0"

ELEVATION LEGEND

- 07 42 13 METAL PANEL (MP-1)
- 07 42 13 METAL PANEL (MP-2)
- 04 20 00 BRICK MASONRY - RUNNING BOND (BP-1)
- 04 20 00 BRICK MASONRY - STACKED SOLDIER COURSE (BP-2)
- SPANDREL GLASS
- OPERABLE WINDOW

KEYNOTES

NUMBER	NOTE
E01	STORE FRONT WINDOW(S)
E02	CURTAIN WALL SYSTEM
E03	PRE-FINISHED METAL COPING
E04	PERFORATED MECHANICAL SCREEN

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EXTERIOR ELEVATIONS

A-222

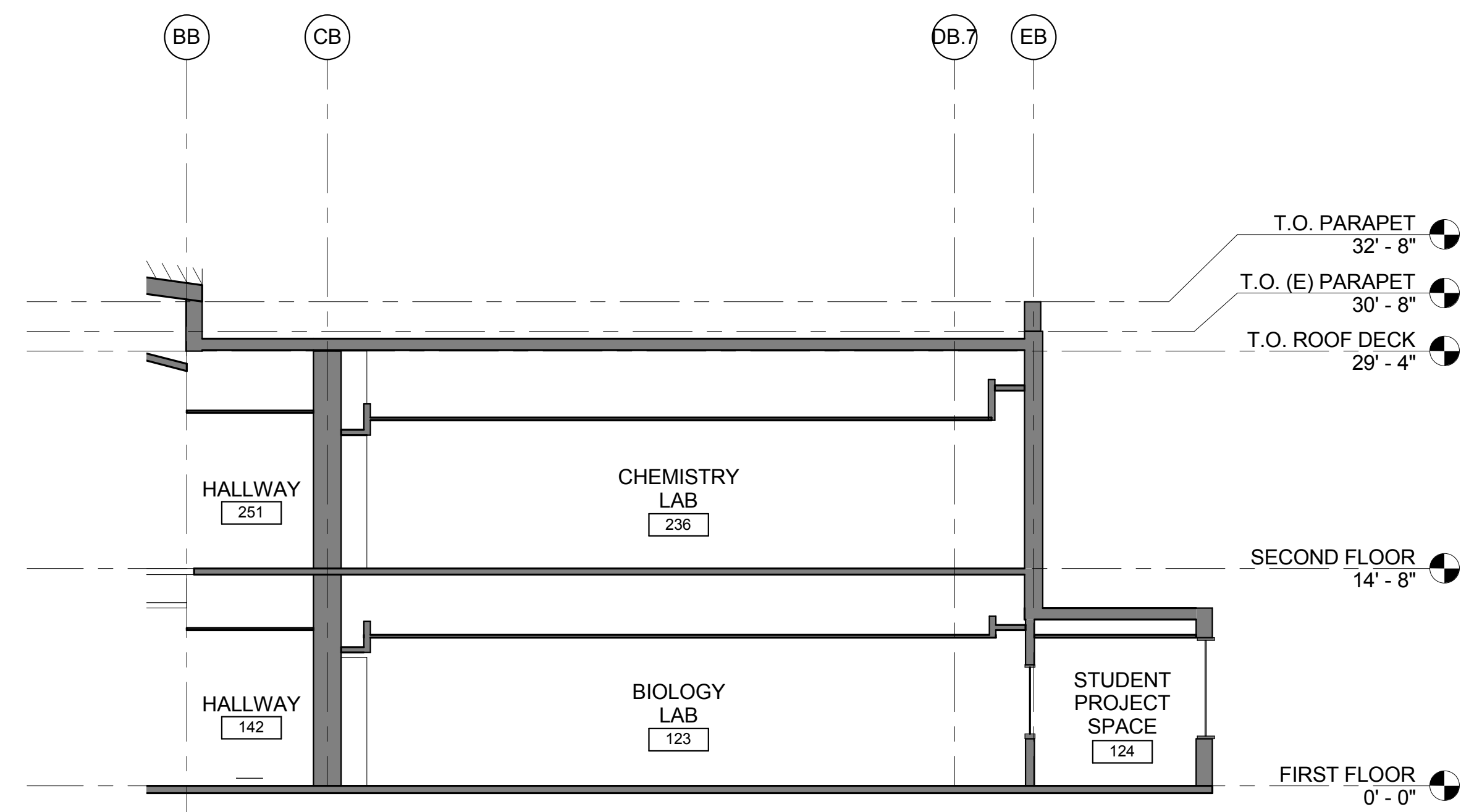
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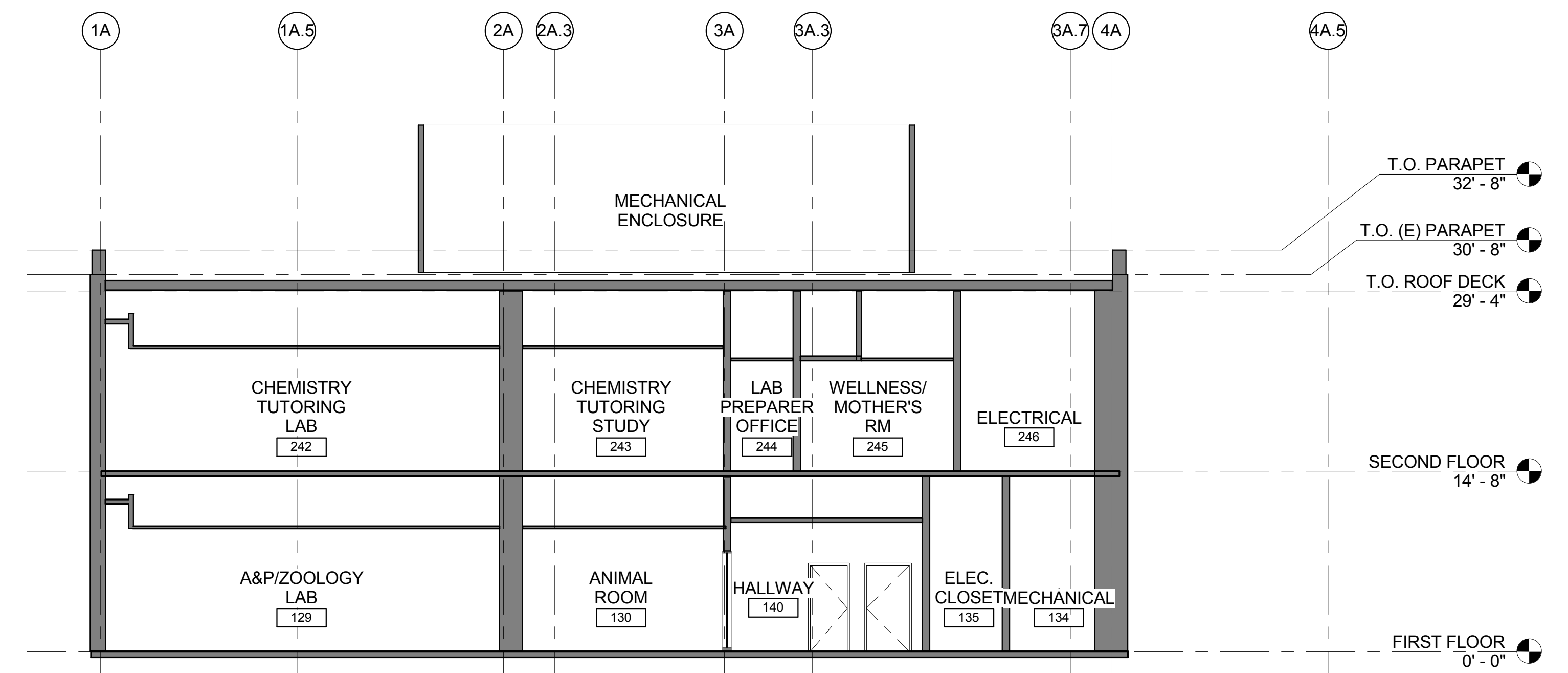
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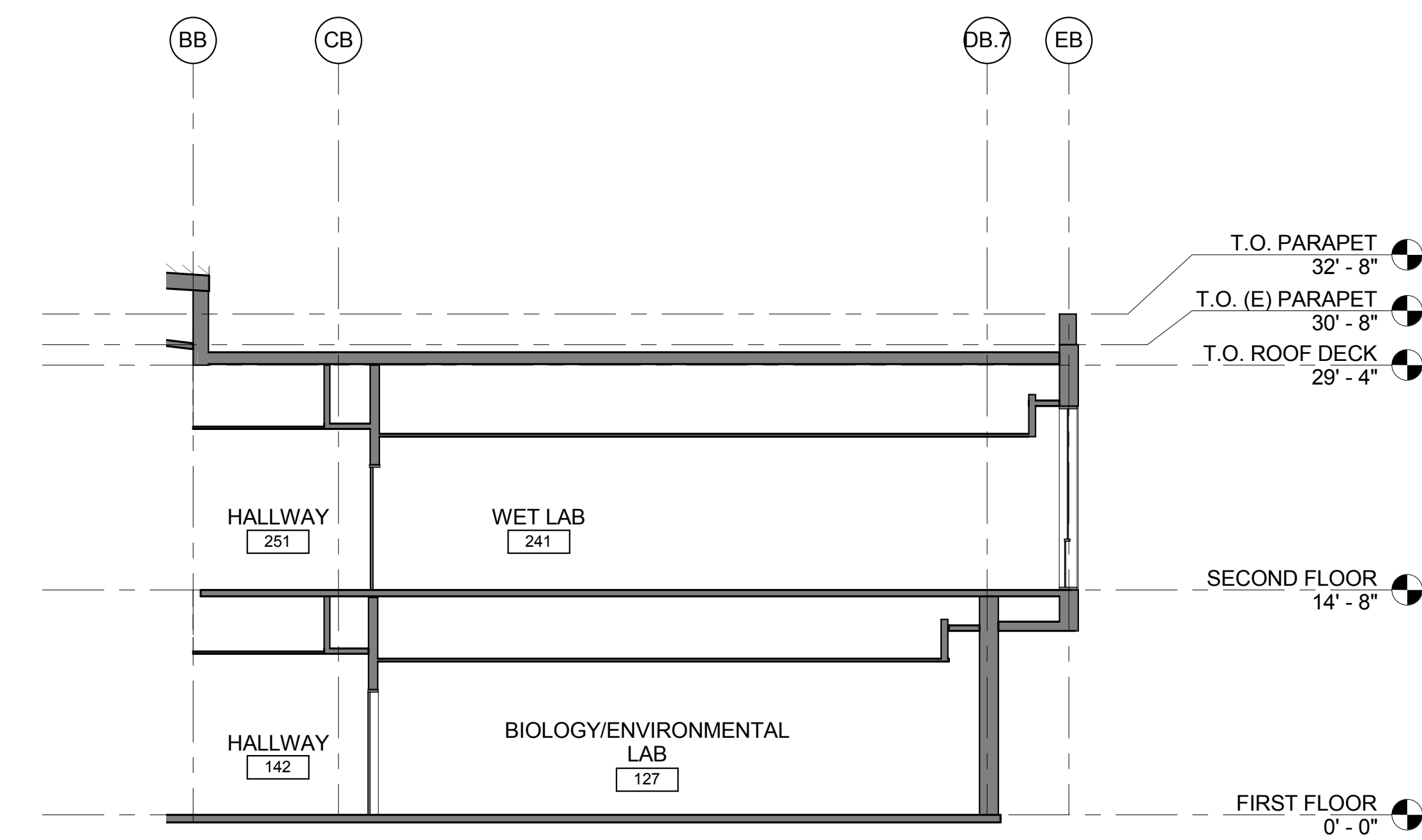
BUILDING SECTIONS



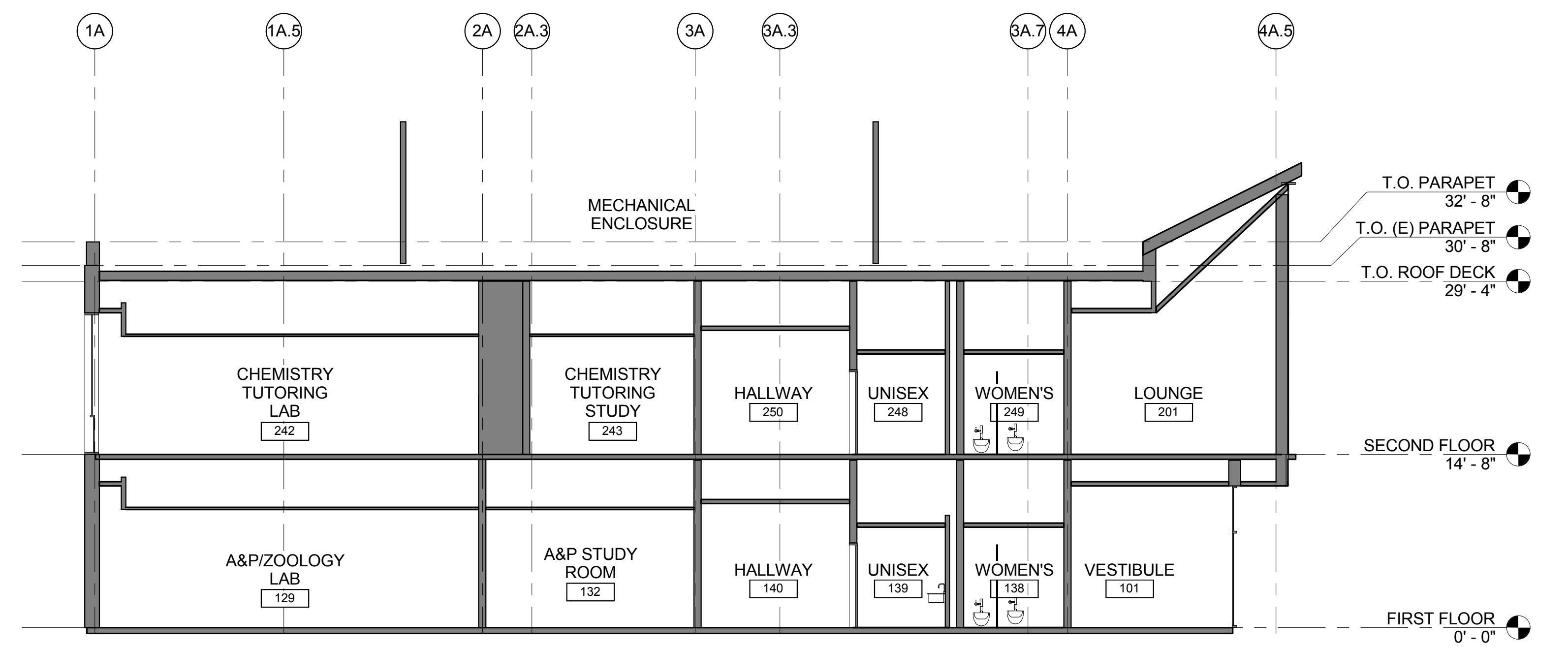
D1 ADDITION - NS SECTION THROUGH BUILDING EXTENSION
 1/8" = 1'-0"



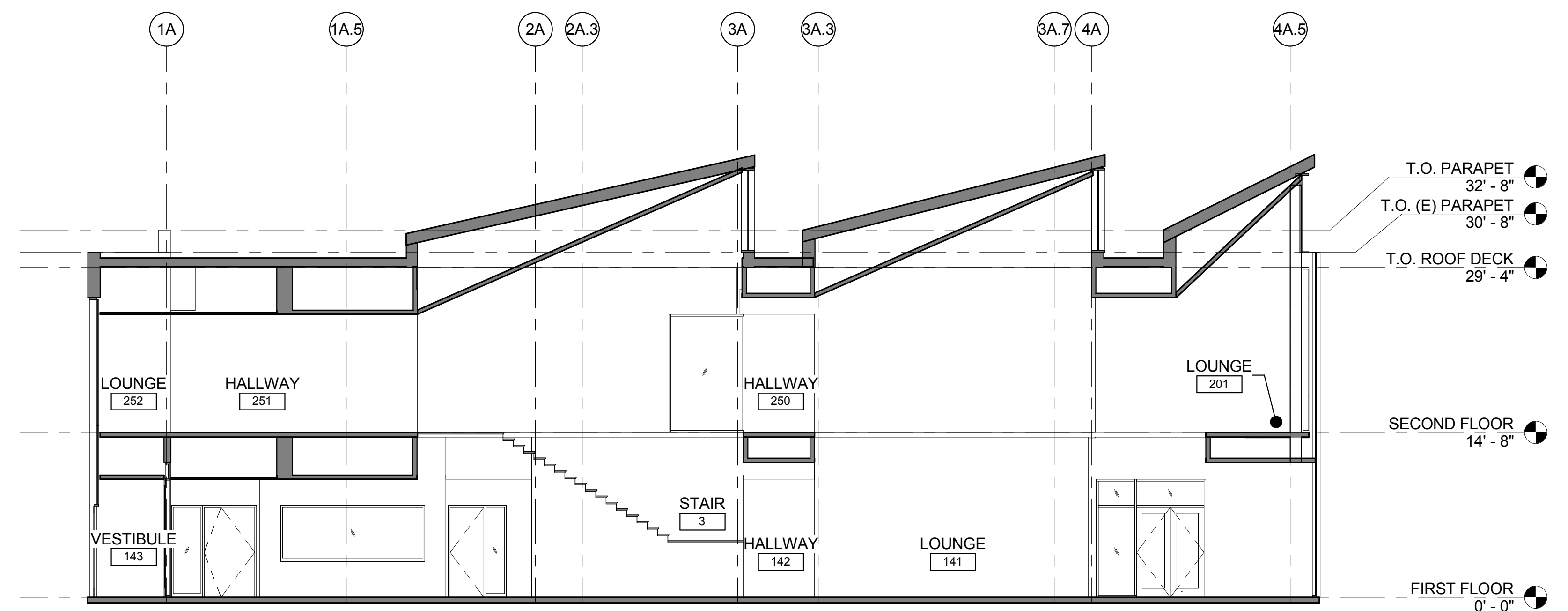
D4 ADDITION - EW SECTION THROUGH N. CLASSROOMS AT SERVICES
 1/8" = 1'-0"



C1 ADDITION - NS SECTION THROUGH BUILDING OVERHANG
 1/8" = 1'-0"



C4 ADDITION - EW SECTION THROUGH N. CLASSROOMS AT ENTRY
 1/8" = 1'-0"



A4 ADDITION - EW SECTION THROUGH MONITORS
 1/8" = 1'-0"



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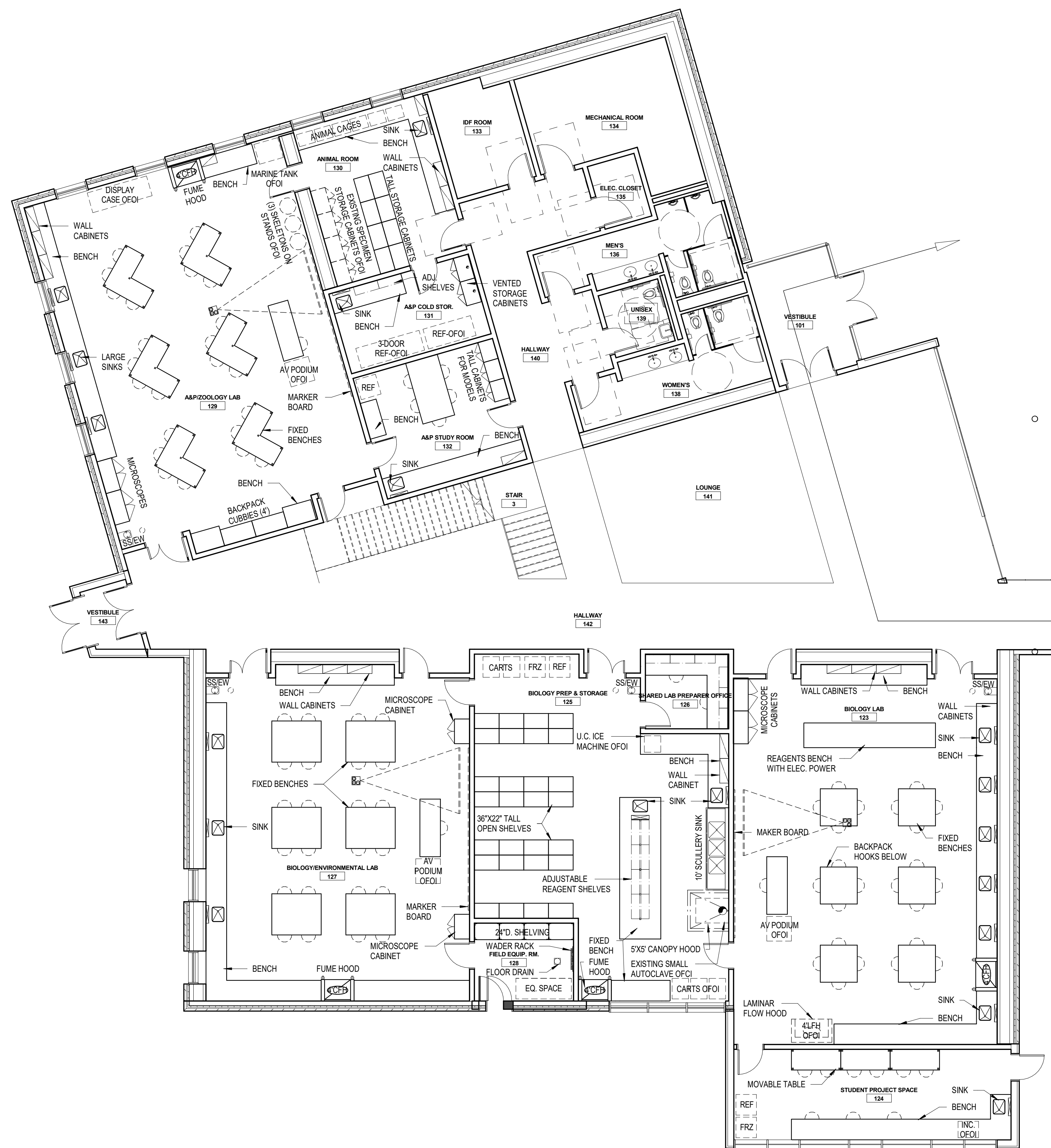
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1 Level 1-PARTIAL PLAN
1/8" = 1'-0"

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ISSUE: SD

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FIRST FLOOR PLAN - SECTOR 01 - LAB

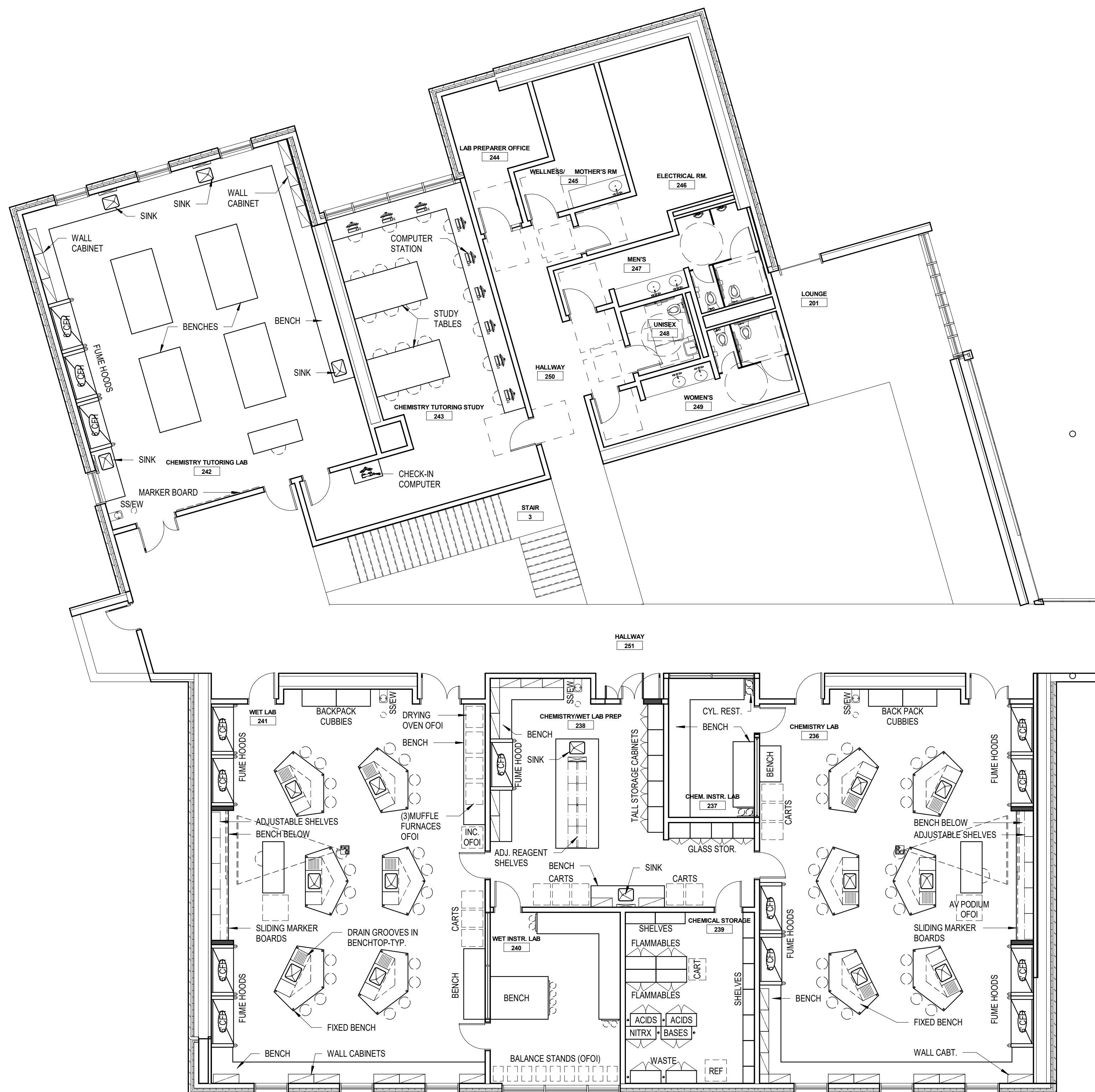
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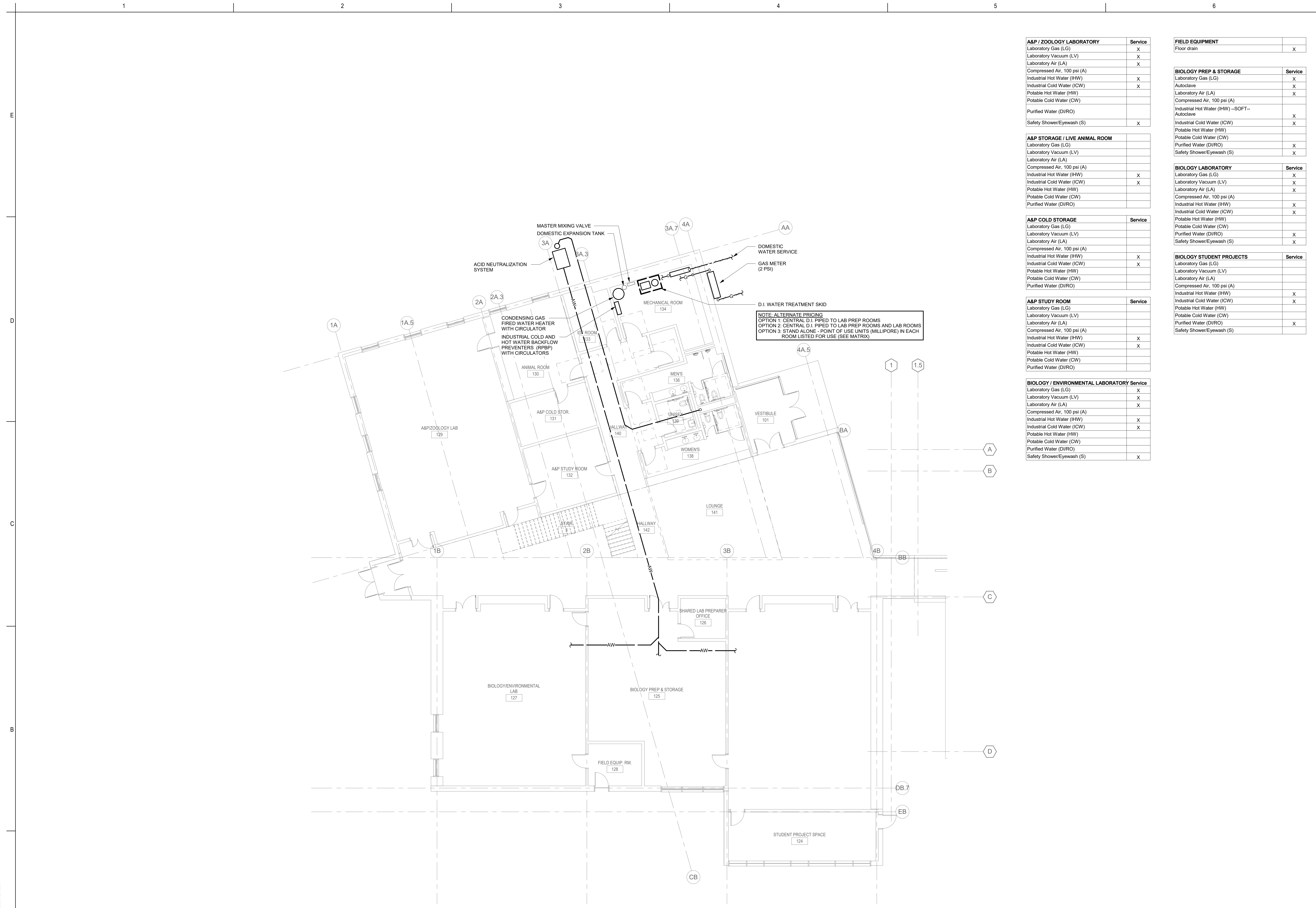
① Level 2-PARTIAL PLAN
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ISSUE:		SD

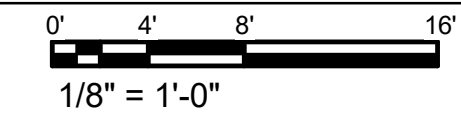
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SECOND FLOOR PLAN - SECTOR 01 - LAB



1 LEVEL 1 PLUMBING PLAN - SECTOR 01



A&P / ZOOLOGY LABORATORY	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	X
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	X
Potable Cold Water (CW)	
Purified Water (DIRO)	
Safety Shower/Eyewash (S)	X

A&P STORAGE / LIVE ANIMAL ROOM	Service
Laboratory Gas (LG)	
Laboratory Vacuum (LV)	
Laboratory Air (LA)	
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	

A&P COLD STORAGE	Service
Laboratory Gas (LG)	
Laboratory Vacuum (LV)	
Laboratory Air (LA)	
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	

A&P STUDY ROOM	Service
Laboratory Gas (LG)	
Laboratory Vacuum (LV)	
Laboratory Air (LA)	
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	

BIOLOGY / ENVIRONMENTAL LABORATORY Service	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	
Safety Shower/Eyewash (S)	X

FIELD EQUIPMENT	Service
Floor drain	X

BIOLOGY PREP & STORAGE	Service
Laboratory Gas (LG)	X
Autoclave	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	X
Industrial Hot Water (IHW) -SOFT-	
Autoclave	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	X

BIOLOGY LABORATORY	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	X

BIOLOGY STUDENT PROJECTS	Service
Laboratory Gas (LG)	
Laboratory Vacuum (LV)	
Laboratory Air (LA)	
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	

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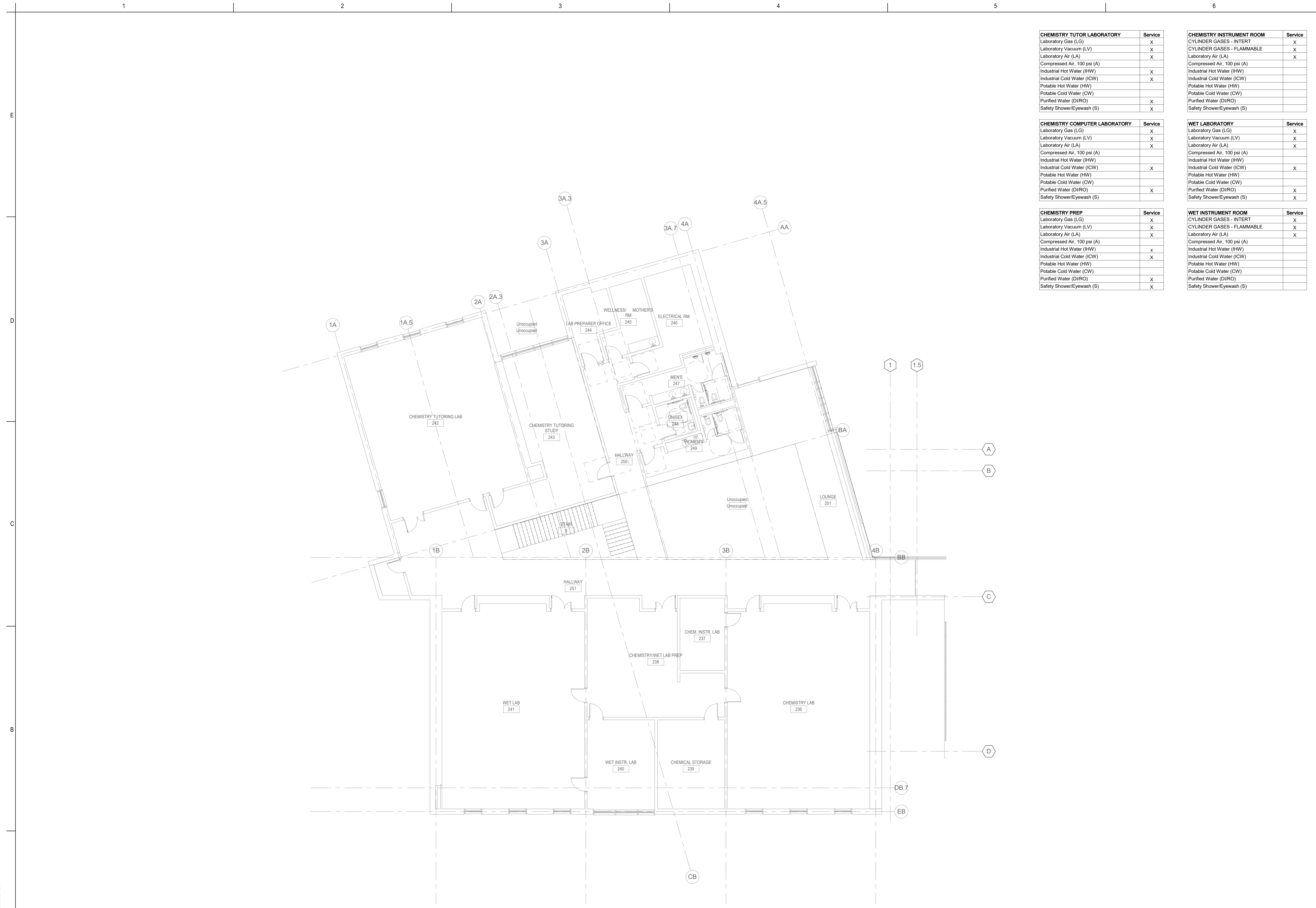
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FIRST FLOOR PLAN - SECTOR 01 - PLUMBING



CHEMISTRY TUTOR LABORATORY	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	X

CHEMISTRY COMPUTER LABORATORY	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	X

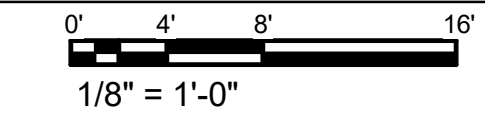
CHEMISTRY PREP	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	X
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	X

CHEMISTRY INSTRUMENT ROOM	Service
CYLINDER GASES - INTERT	X
CYLINDER GASES - FLAMMABLE	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	
Industrial Cold Water (ICW)	
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	
Safety Shower/Eyewash (S)	

WET LABORATORY	Service
Laboratory Gas (LG)	X
Laboratory Vacuum (LV)	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	
Industrial Cold Water (ICW)	X
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	X
Safety Shower/Eyewash (S)	X

WET INSTRUMENT ROOM	Service
CYLINDER GASES - INTERT	X
CYLINDER GASES - FLAMMABLE	X
Laboratory Air (LA)	X
Compressed Air, 100 psi (A)	
Industrial Hot Water (IHW)	
Industrial Cold Water (ICW)	
Potable Hot Water (HW)	
Potable Cold Water (CW)	
Purified Water (DIRO)	
Safety Shower/Eyewash (S)	

1 LEVEL 02 PLUMBING PLAN - SECTOR 01



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SECOND FLOOR PLAN - SECTOR 01 - PLUMBING

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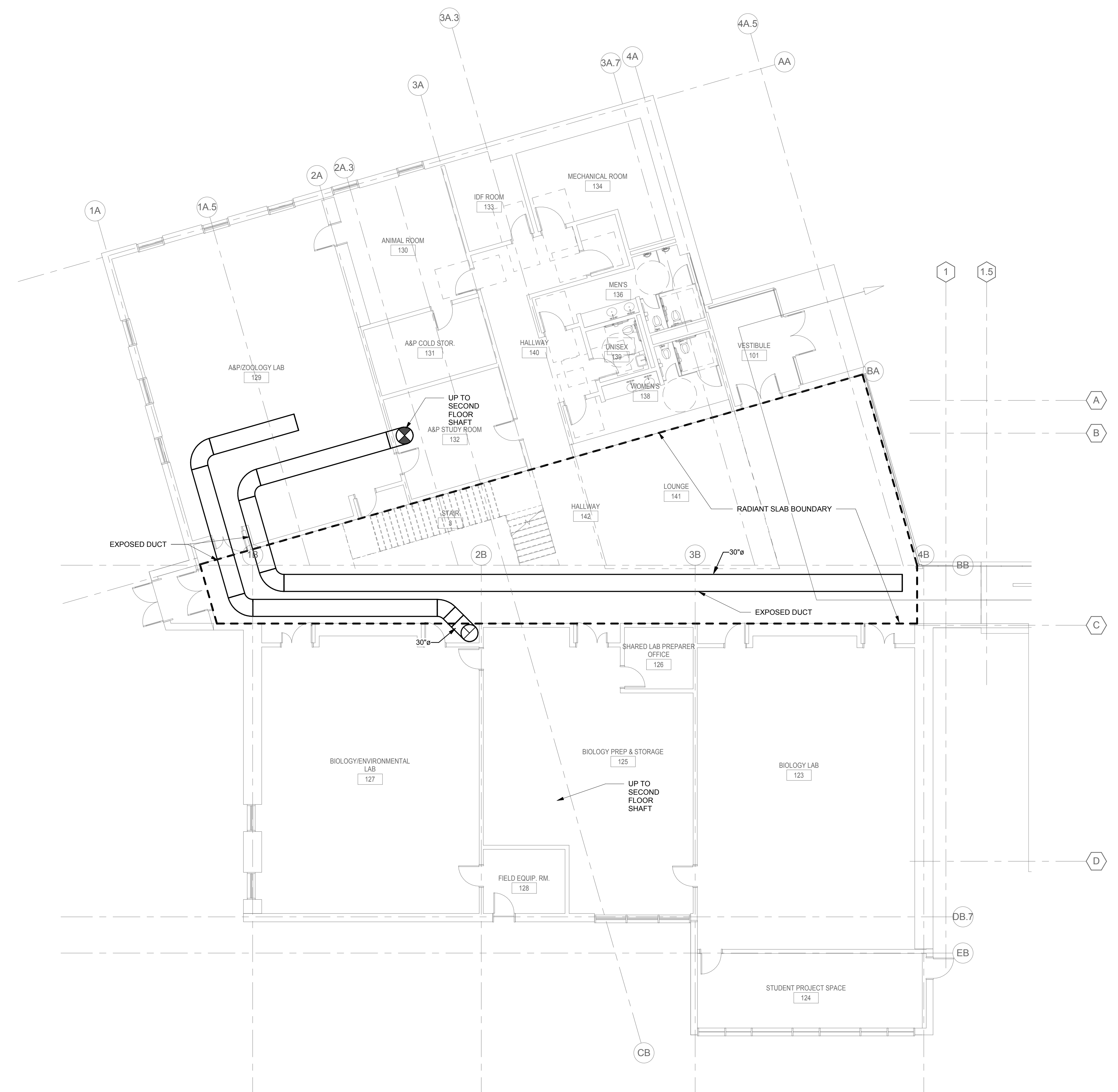
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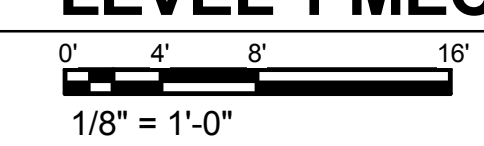


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1 LEVEL 1 MECHANICAL PLAN - SECTOR 01



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FIRST FLOOR PLAN - SECTOR 01 - MECHANICAL

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SHEET KEYNOTES

- 1 SUPPLY AIR VALVE (PHOENIX) WITH HW REHEAT COIL, TYPICAL.
- 2 EXHAUST AIR VALVE (PHOENIX).
- 3 TYPICAL LAB HVAC LAYOUT.

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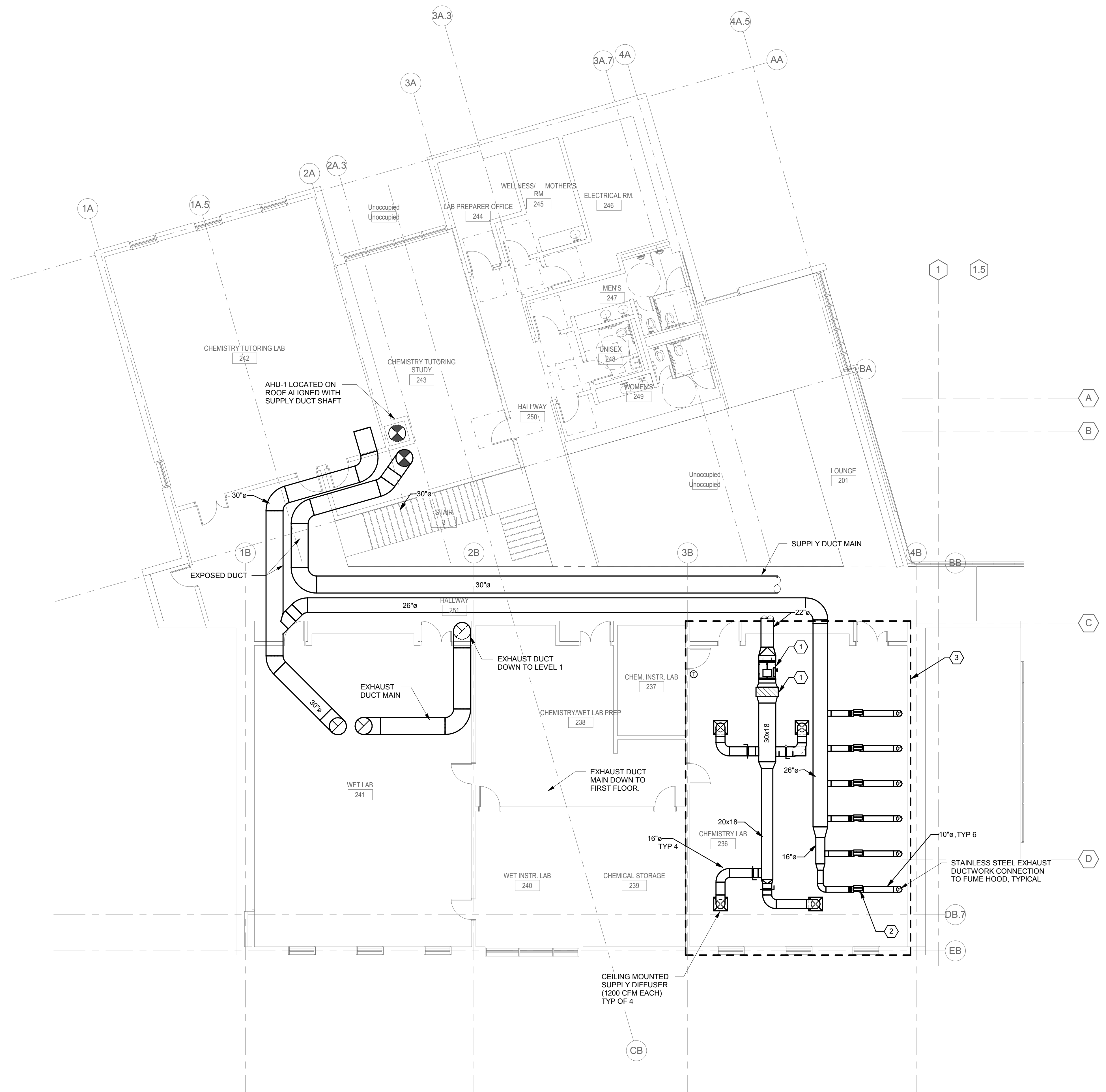
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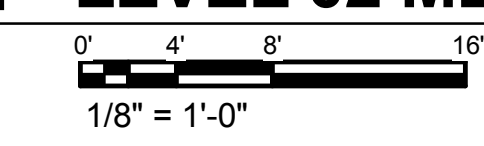
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1 LEVEL 02 MECHANICAL PLAN - SECTOR 01



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SECOND FLOOR PLAN - SECTOR 01 - MECHANICAL

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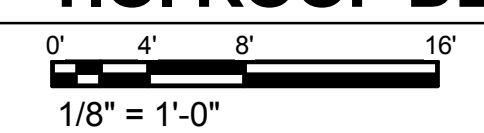
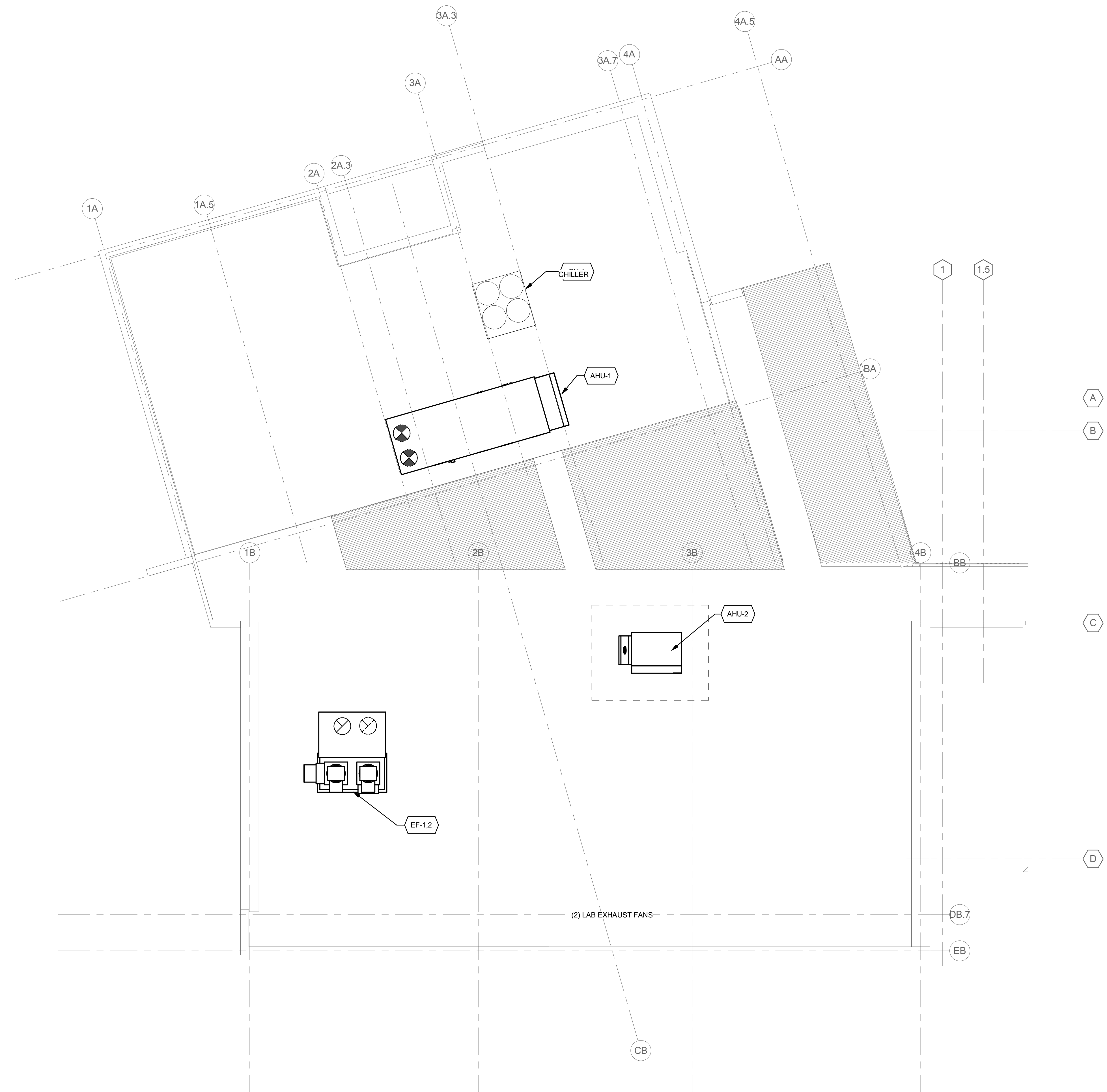
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ROOF PLAN - SECTOR 01 - MECHANICAL

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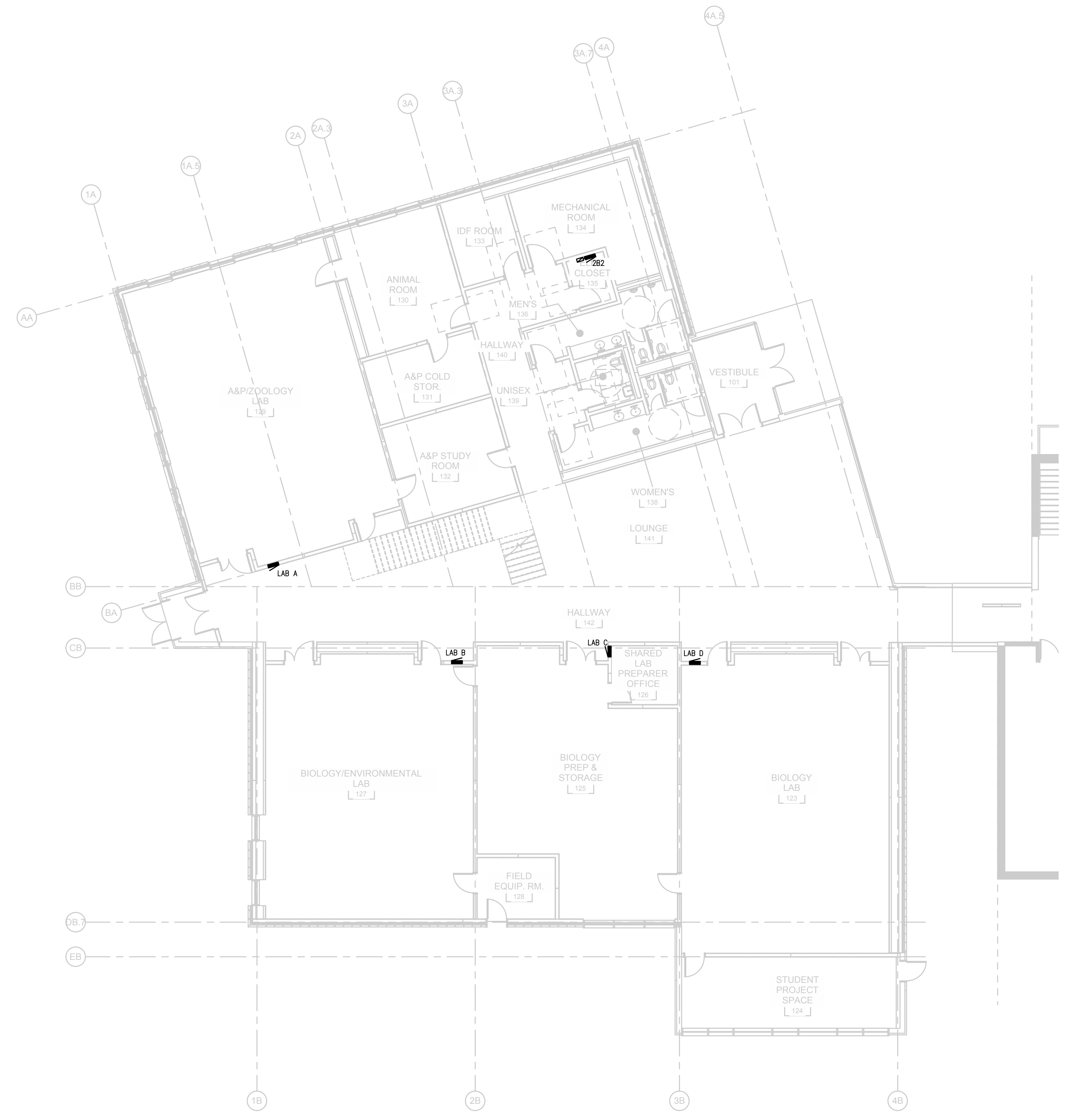
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FIRST FLOOR POWER
 PLAN - SECTOR 01



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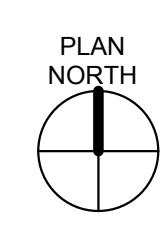
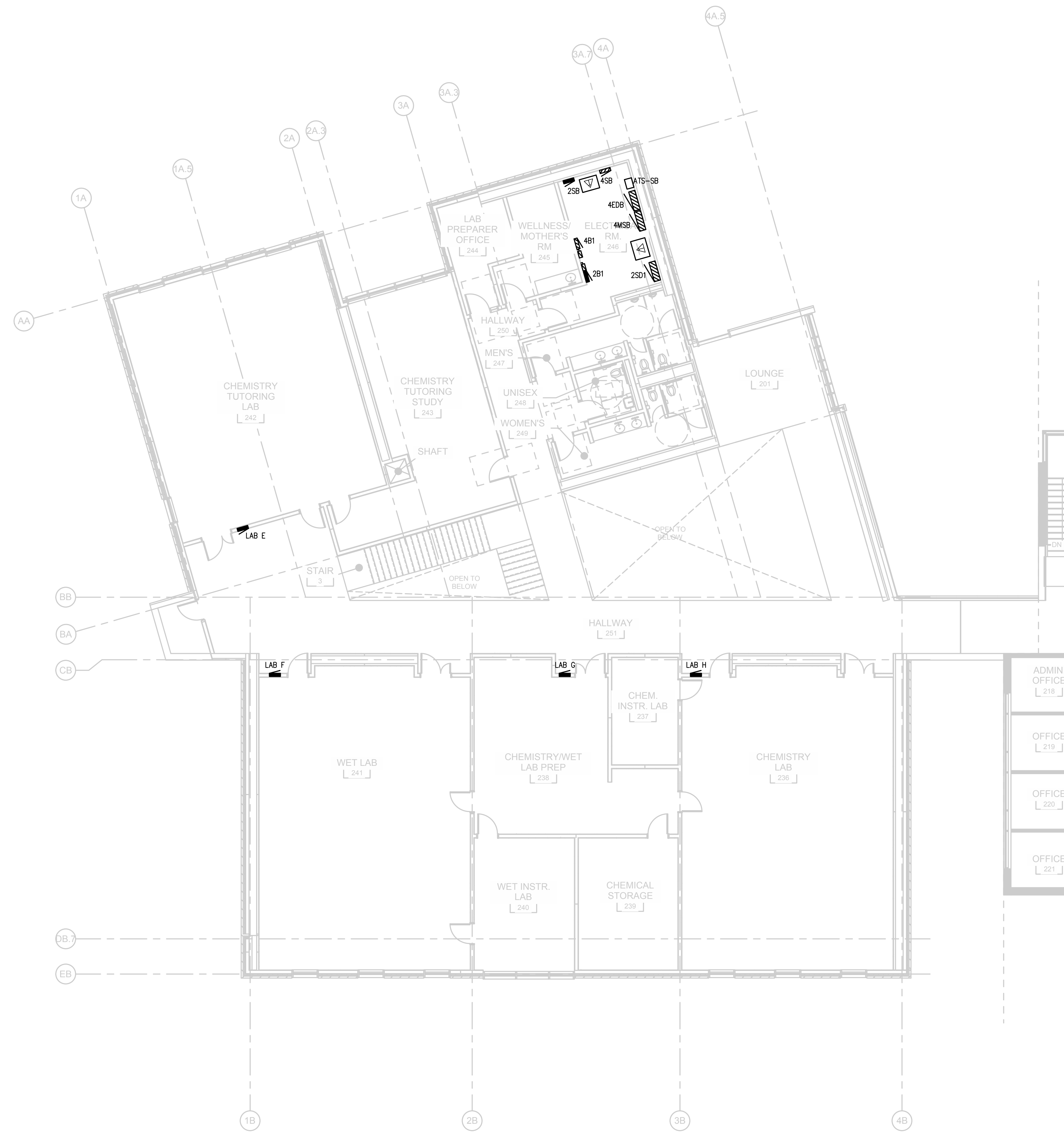
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SECOND FLOOR POWER PLAN - SECTOR 01

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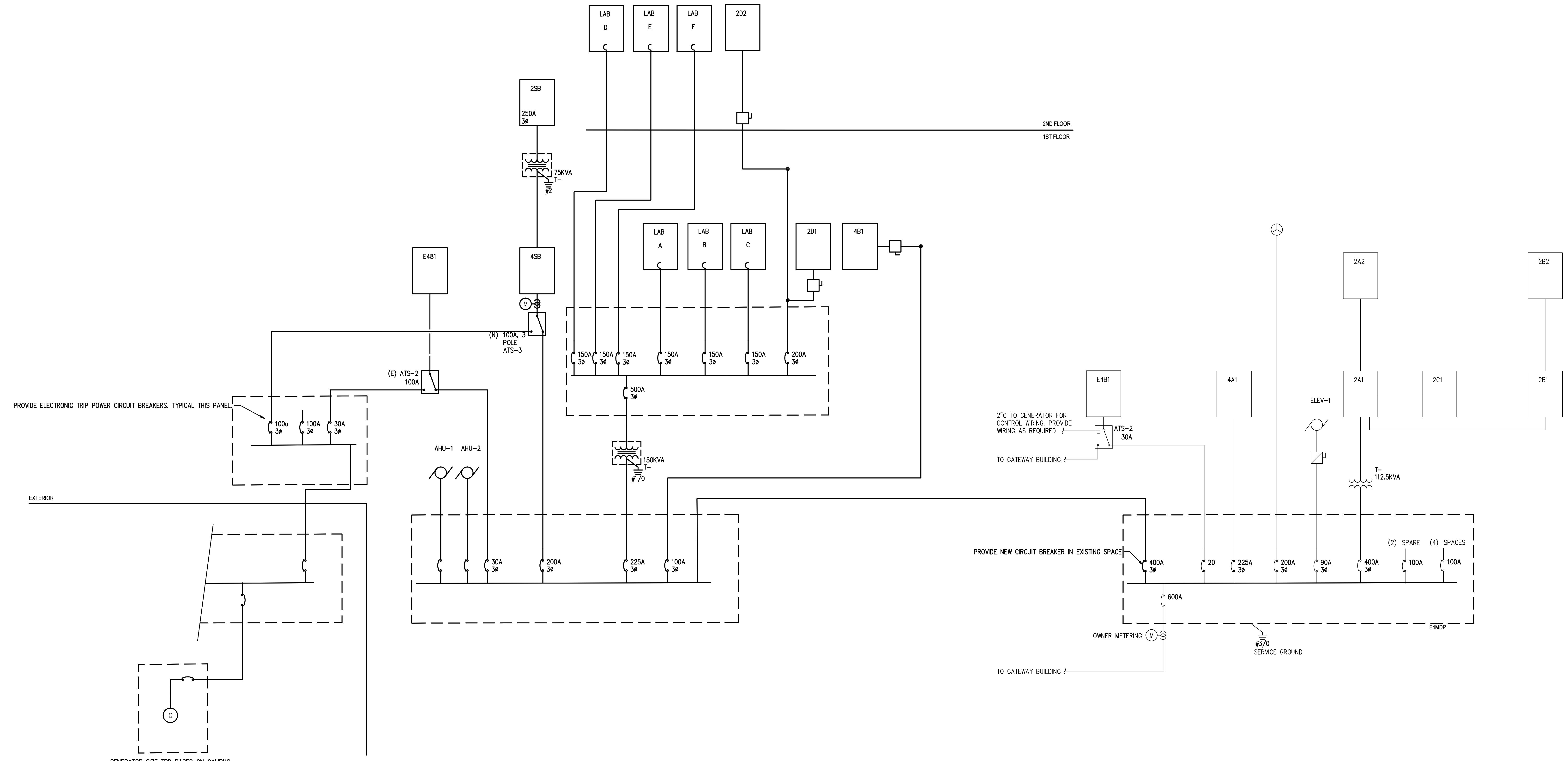
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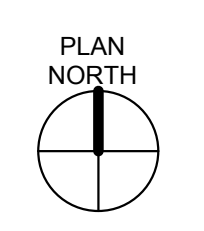


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ELECTRICAL ONE-LINE



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ONE-LINE DIAGRAM

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