

# Vanguard Community Development Office

2817 E Grand Blvd, Detroit MI 48211

VOLUME I OF I

ISSUED FOR: CONSTRUCTION DOCUMENTS



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ISSUE DATE: Issue Date

2407

## Other Work

architecture advocacy art  
3303 Wesson St  
Detroit, Michigan 48210  
248.991.1457  
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CLIENT:  
Pamela Turner

pturner@vanguardcdc.org  
313.872.7831

### PROJECT DESCRIPTION

SCOPE OF WORK INCLUDES RENOVATION OF A FORMER OFFICE BUILDING INTO OFFICE SPACES. THIS BUILDING IS APPROXIMATELY 9,000 GROSS SQUARE FOOTAGE. THE MAJORITY OF WORK IS ON THE 2ND FLOOR. NEW MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS ARE BEING PROPOSED, WITH ONE EXISTING FURNACE REMAINING. NEW PARTITIONS, DOORS, DUCTWORK, VENTILATION, EXHAUST, LIGHT FIXTURES, PLUMBING FIXTURES, AND APPLIANCES ARE BEING PROVIDED. NO EXTERIOR FACADE RENOVATIONS ARE BEING PROPOSED.

NOTE: THE EXTERIOR WROUGHT IRON FENCE IS NOT INCLUDED IN THIS CONTRACT.

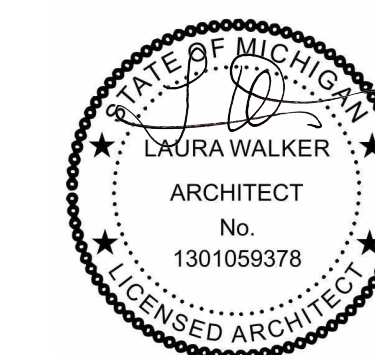
### DEFINED SUBMITTALS

ALL ENGINEERED DRAWINGS ARE TO BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

ELECTRICAL DRAWINGS  
PLUMBING DRAWINGS  
FIRE ALARM DRAWINGS



LOCATION MAP





# Other Work

architecture advocacy art  
3303 Wesson St  
Detroit, Michigan 48210  
248.991.1457  
laura@other-work.com

## GENERAL NOTES

NOTIFY THE CITY OF DETROIT CONSULTING ENGINEERS, MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION CALL "MISS DIG" (800-482-7171) A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

ALL WORK SHALL CONFORM TO THE CURRENT CITY OF DETROIT STANDARDS AND SPECIFICATIONS.

ALL EXCAVATION UNDER OR WITHIN 3 FEET OF PAVEMENT, EXISTING OR PROPOSED, OR WHERE SAND BACKFILL IS CALLED FOR ON THE PLAN, SHALL BE BACKFILLED AND COMPACTED WITH GRANULAR MATERIAL (SAND) MDOT CLASS II TO 95 PERCENT MAXIMUM UNIT DENSITY.

THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES AND FACILITIES. ANY CONFLICTS WITH UTILITIES SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER.

DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES.  
ANY MUD TRACKED ONTO ROADS SHALL BE REMOVED DAILY.

THE FOLLOWING PROJECT GENERAL NOTES APPLY TO THE ENTIRE DRAWING SET AND ARE NOT SPECIFIC TO ANY ONE DISCIPLINE, UNLESS OTHERWISE NOTED.

DO NOT DISTRIBUTE OR UTILIZE PARTIAL DRAWINGS SETS.

UNLESS INDICATED OTHERWISE, THE ARCHITECTURAL SERIES DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES.

THE DRAWINGS MAY MAKE REFERENCE TO OR ILLUSTRATE ITEMS WHICH ARE NOT PART OF THE WORK OF THE CONTRACT. THESE NOT IN CONTRACT ITEMS AS INDICATED ARE REFERENCED OR ILLUSTRATED FOR THE CONTRACTOR'S REFERENCE, INFORMATION AND COORDINATION ONLY.

VERIFY ACTUAL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. NOTIFY THE ARCHITECT, IN WRITING AND PRIOR TO SUBMITTING A BID, OF ANY DISCREPANCIES. TAKE PRECAUTIONS TO MAINTAIN AND PROTECT NEW WORK AS WELL AS EXISTING SYSTEMS AND ELEMENTS, IF ANY, WHICH ARE TO REMAIN OR BE SALVAGED.

ALL PARTS OF THE WORK, INCLUDING BUT NOT LIMITED TO MATERIALS, METHODS, OR ASSEMBLIES, MUST COMPLY WITH THE REQUIREMENTS OF THE GOVERNING CODES AND REGULATIONS OF ALL FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT, AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR ALLOW WORK CONTRARY TO A GOVERNING CODE OR REGULATION.

IDENTIFY AND NOTIFY THE ARCHITECT OF CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND OWNER.

REVIEW AND COORDINATE THE WORK OF ALL OTHER PARTIES PERFORMING WORK AT THE PROJECT, INCLUDING BUT NOT LIMITED TO, DELEGATED DESIGN ENTITIES, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.

## DEMOLITION NOTES

REMOVE WALLS, DOORS, FRAMES, & ELECTRICAL AS INDICATED ON PLAN. TELEPHONE OUTLETS & ELECTRICAL WITHIN WALLS TO BE DEMOLISHED SHALL BE REMOVED AND/OR CAPPED. REMOVE WIRE, CONDUIT AND/OR CABLE BACK TO SOURCE (PHONE BOARD OR ELECTRICAL PANEL). ALL MATERIALS FROM DEMOLITION SHALL BE DISPOSED OF IN ACCORDANCE WITH CITY, STATE, & FEDERAL REGULATION, UNLESS INDICATED TO BE SALVAGED. PATCH AND REPAIR EXISTING GYPSUM BOARD FINISH AS REQUIRED.

DEMOLITION WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND ADJACENT SITE AND NOT INTERFERE WITH ITS OPERATION. ANY DEMOLITION WORK TO BE PERFORMED MUST BE PLANNED IN ADVANCE AND APPROVED BY THE OWNER.

ANY EQUIPMENT, MATERIALS, AND SUPPLIES TEMPORARILY REMOVED FOR THE PURPOSE OF PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS AND CONDITIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.

ALL MATERIALS INDICATED TO BE REMOVED SHALL BE DISPOSED OF PROPERLY AND REMOVED FROM THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH AND DEBRIS FROM THE PROJECT SITE.

CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE SITE AGAINST VANDALS AND THEFT.

ALL REMOVED MATERIALS AND EQUIPMENT WHICH IS CLASSIFIED AS "SALVAGE FOR OWNER" SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY THE OWNER AND NEATLY STORE AND PROTECT FROM DAMAGE.

PATCH AND REPAIR ALL ELEMENTS THAT ARE TO REMAIN WHICH ARE DAMAGED FROM THE DEMOLITION WORK WITH CONSTRUCTION TO MATCH EXISTING CONDITIONS.

## ARCHITECTURAL NOTES

DO NOT SCALE DRAWINGS.

ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES, MATERIALS, AND OPERATIONS SCHEDULED INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR COMPLETION.

ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.

THE TERM "TYPICAL" SHALL DENOTE THE SAME OR SIMILAR MANNER OF WORK AND MATERIALS AS DESIGNATED THROUGHOUT THE CONTRACT CONSTRUCTION DRAWINGS AND AS DESCRIBED BY THE PROJECT SPECIFICATIONS IN APPROPRIATE AREAS.

THE CONTRACTOR AND/OR BUILDER WILL ASSUME RESPONSIBILITY OF MAKING ANY CHANGES IN THE CONSTRUCTION PLANS, DRAWINGS, DETAILS, AND SPECIFICATION, AS MAY BE NEEDED, TO ADJUST FOR LOCAL CODE REQUIREMENTS AND CONDITIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE BUILDING AND OTHER PERMITS REQUIRED FOR THE COMPLETION OF THE WORK.

THE ARCHITECTURAL DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF ALL REQUIRED DRAWINGS FOR THE EXECUTION OF WORK. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR.

## ARCHITECTURAL NOTES - CONTINUED

THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.

REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR DETAILED DESIGN OF THE MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS, OF WHICH PORTIONS MAY BE SHOWN ON THE ARCHITECTURAL DRAWINGS.

EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATIONS SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES, AND SPECIFICATIONS.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS AT THE JOB SITE. NOTIFY THE ARCHITECT OR OWNER PRIOR TO COMMENCING WORK OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS AND BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS. AN ADDENDUM WILL BE ISSUED AS NECESSARY AND WILL BECOME A PART OF THE CONTRACT DOCUMENTS. FOR THOSE DISCREPANCIES NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT OR OWNER, IT WILL BE ASSUMED THAT THE CONTRACTOR HAS BID THE MORE EXPENSIVE METHOD OF CONSTRUCTION.

ALL DIMENSION LUMBER, PLYWOOD, PARTICLE BD., FURRING AND BLOCKING SHALL BE PRESSURE TREATED / UL CERTIFIED NON-COMBUSTIBLE.

COORDINATE LOCATION OF BLOCKING WITHIN PARTITIONS FOR ITEMS TO BE SECURED TO SURFACE.

CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS AND DEBRIS AND PROVIDE FINAL CLEAN-UP OF JOB SITE PRIOR TO MOVE-IN.

CONTRACTOR TO PROVIDE ALL NECESSARY TEMPORARY PROTECTION TO ENSURE THE SAFETY OF THE EXISTING TENANT AND GENERAL PUBLIC DURING CONSTRUCTION.

COORDINATE ALL WORK BEFORE AND DURING CONSTRUCTION WITH ALL OTHER AFFECTED TRADES.

WHERE INTERFERENCES DEVELOP, NOTIFY ARCHITECT FOR RESOLUTION OF CONFLICT.

RELOCATION OF CONFLICTING INSTALLED WORK, DUE TO LACK OF COORDINATION, OR POOR COORDINATION WILL NOT BE CONSIDERED EXTRA WORK.

NO OPENINGS ON SLAB SHALL BE PROVIDED UNLESS APPROVED BY THE ARCHITECT.

PREPARED ON BEHALF OF:

VANGUARD COMMUNITY DEVELOPMENT  
pturner@vanguardcdc.org  
313.872.7831

ISSUED FOR	REV	DATE
CONSTRUCTION DOCUMENTS	1	06NOV2024

SEAL & SIGNATURE



PROJECT VANGUARD OFFICES

2817 E GRAND BLVD  
DETROIT, MI 48211

## GENERAL NOTES

PROJECT NORTH PROJECT No: 2407

DWG No:



# A002

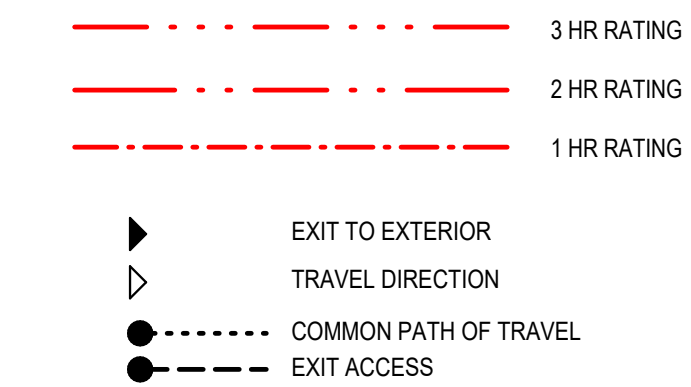
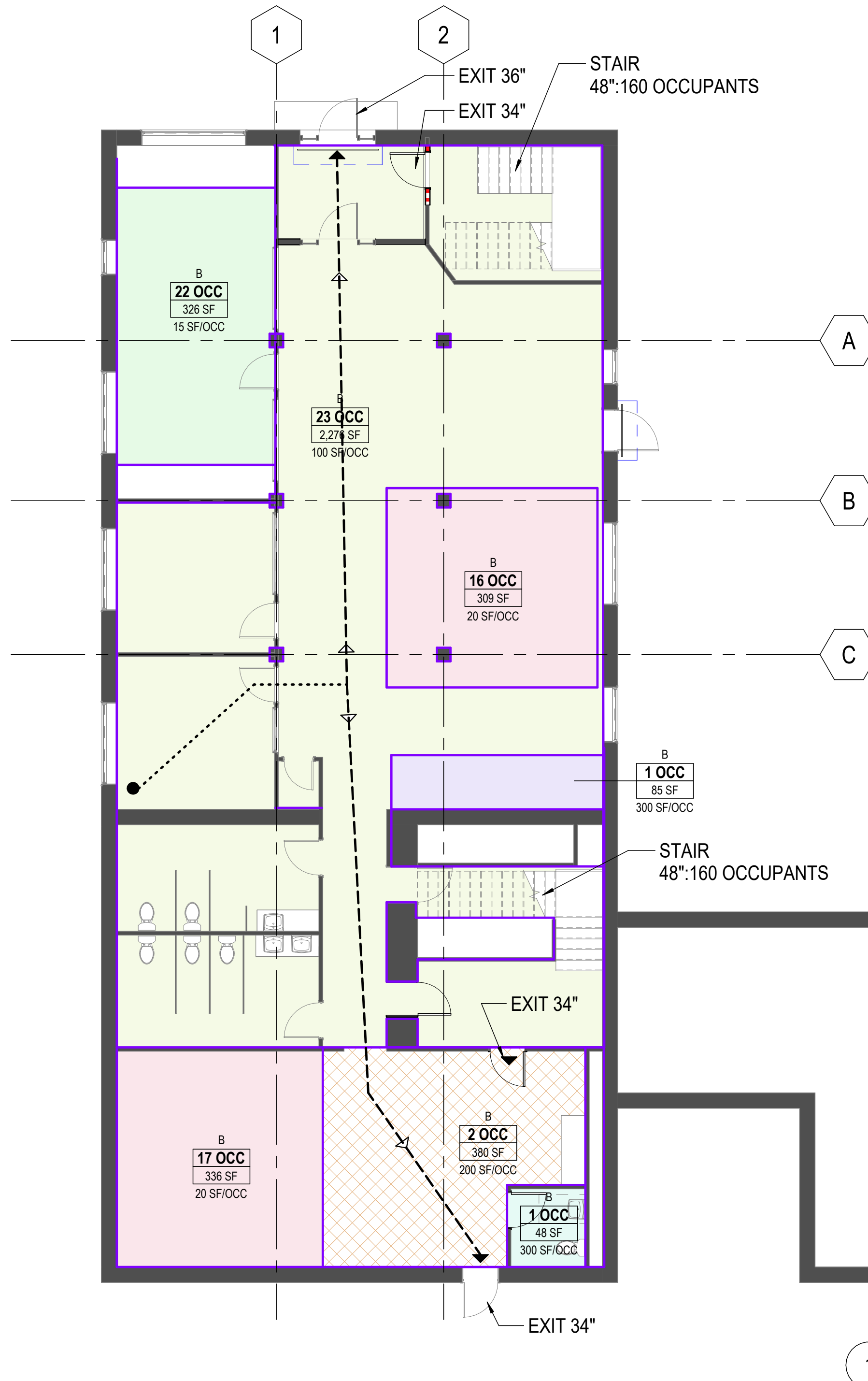
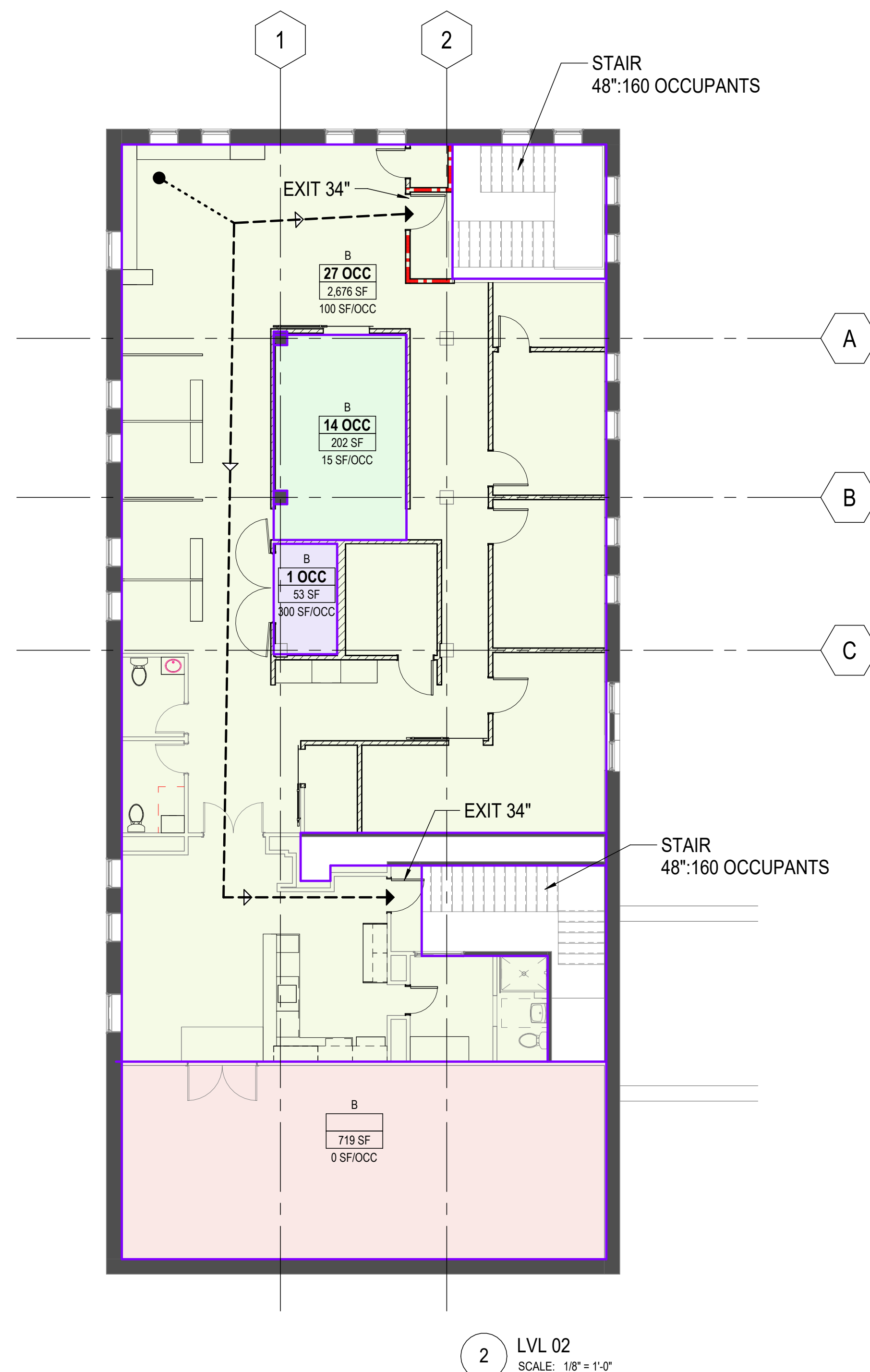


Area Schedule (LIFE SAFETY)					
Level	LS OCCUPANCY	LS Occupancy Class Name	Area	LOAD FACTOR	OCCUPANTS
Level 1	ASSEMBLY	ASSEMBLY - UNCONCENTRATED TABLES AND CHAIRS	326 SF	15	22
Level 1	BUSINESS	BUSINESS - OFFICE	2276 SF	100	23
Level 1	EDUCATIONAL	CLASSROOM	645 SF	20	33
Level 1	KITCHEN	BUSINESS - KITCHEN	380 SF	200	2
Level 1	STORAGE	MECHANICAL	85 SF	300	1
Level 1	STORAGE	STORAGE	48 SF	300	1
			3760 SF		82
LVL 02	ASSEMBLY	ASSEMBLY - UNCONCENTRATED TABLES AND CHAIRS	202 SF	15	14
LVL 02	BUSINESS	BUSINESS - OFFICE	2676 SF	100	27
LVL 02	BUSINESS	UNOCCUPIED	719 SF	0	0
LVL 02	STORAGE	MECHANICAL	53 SF	300	1
			3650 SF		42
			7410 SF		124

SECTION	DESCRIPTION
REVIEW CODE	2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS 2015 MICHIGAN BUILDING CODE (AS REFERENCED BY MRCEB) 2021 MICHIGAN MECHANICAL CODE 2021 MICHIGAN PLUMBING CODE 2015 MICHIGAN EXISTING STRUCTURES CODE 2023 Michigan Electrical Code, Adopts with Amendments NFPA 70, 2023 2017 Michigan Electrical Code based on 2014 N.E.C. with Part 8 State Amendments 2015 MICHIGAN ENERGY CODE ANSI/ASHRAE/IESNA Standard 90.1-2013 ICC/ANCI A117.1-2009
MICHIGAN REHABILITATION COMPLIANCE METHOD	WORK AREA COMPLIANCE METHOD, ALTERATION - LEVEL 2 (CHAPTER 8) - NEW PARTITIONS, HVAC EQUIPMENT, ELECTRICAL OUTLIGHTS AND FIXTURES.
MRCEB Ch. 7 & 8 REVIEW	
PREVIOUS OCCUPANCY CLASSIFICATION AND CHANGE OF OCCUPANCY	THE OCCUPANCY REMAINS BUSINESS. THE PROPOSED USE IS OFFICE SPACE
TOTAL FLOORS IN BLDG.	2 STORIES, 4,366 SF / FLOOR
USE GROUP	B, BUSINESS (MBC 2015.309)
TYPE OF CONSTRUCTION	TYPE III-B (MBC TABLE 601) 3 STORIES, 19,000 SF ALLOWED, UNSPRINKLERED  FIRE RESISTANCE RATINGS: STRUCTURAL FRAME: 0 BEARING WALLS - EXTERIOR: 2 NONBEARING WALLS AND PARTITIONS 0 FLOOR CONSTRUCTION: 0 ROOF CONSTRUCTION: 0
OCCUPANCY LOAD	(MBC TABLE 1004.1.2) REFER TO SCHEDULE THIS SHEET
EXIT ACCESS	EXITS REQUIRED: 2 (MBC 1006.2.1) EXITS PROVIDED: 3
EGRESS WIDTH PER OCCUPANT	30 OCCUP. x 0.2" = 6" REQUIRED, 34" PROVIDED, EXISTING (MBC 1005.3.2)
SPRINKLER SYSTEM	NOT REQUIRED (MBC 903.2.1.2), NONE PROVIDED
RESTROOMS	63 WOMEN, 63 MEN. WC: 3 REQUIRED PER SEX LAV: 2 REQUIRED PER SEX  WC: 7 EXISTING (MRCEB 810.1), 7 PROVIDED LAV: 7 EXISTING (MRCEB 810.1), 7 PROVIDED DRINKING FOUNTAIN: NOT REQUIRED (MRCEB 810.1)
ACCESSIBILITY	(2015 MBC 1109.2) - GENDER NEUTRAL TOILET ROOM IS ACCESSIBLE
FIRE ALARMS	YES, EXISTING AUTOMATIC SMOKE DETECTION (NFPA 72 10.4.5)
EMERGENCY LIGHTING	YES

**Other Work**

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DETROIT, MI 48211

**LIFE SAFETY PLAN & CODE ANALYSIS**

PROJECT NORTH PROJECT No: 2407  
DWG No:

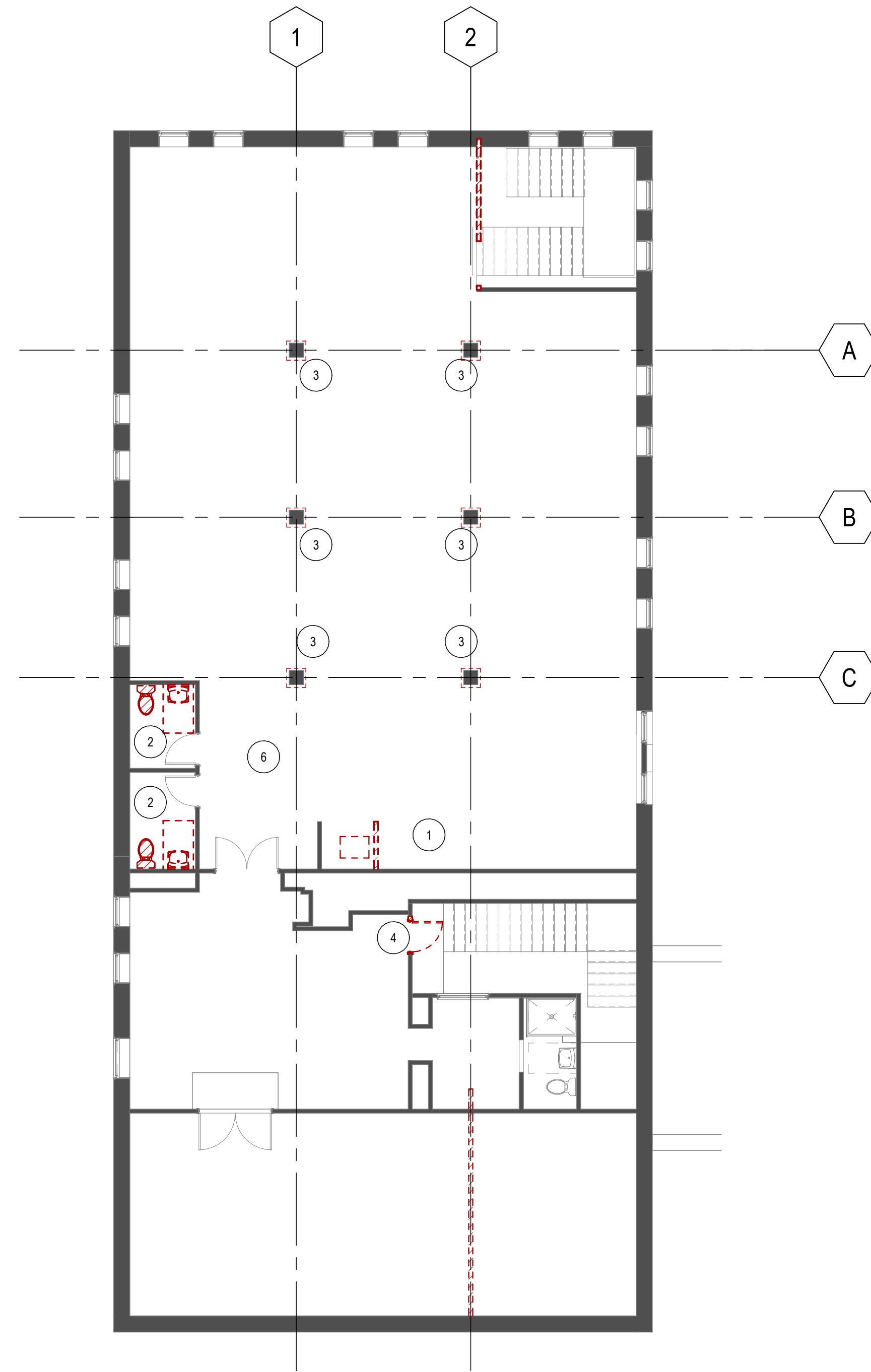
**A003**

GENERAL SHEET NOTES

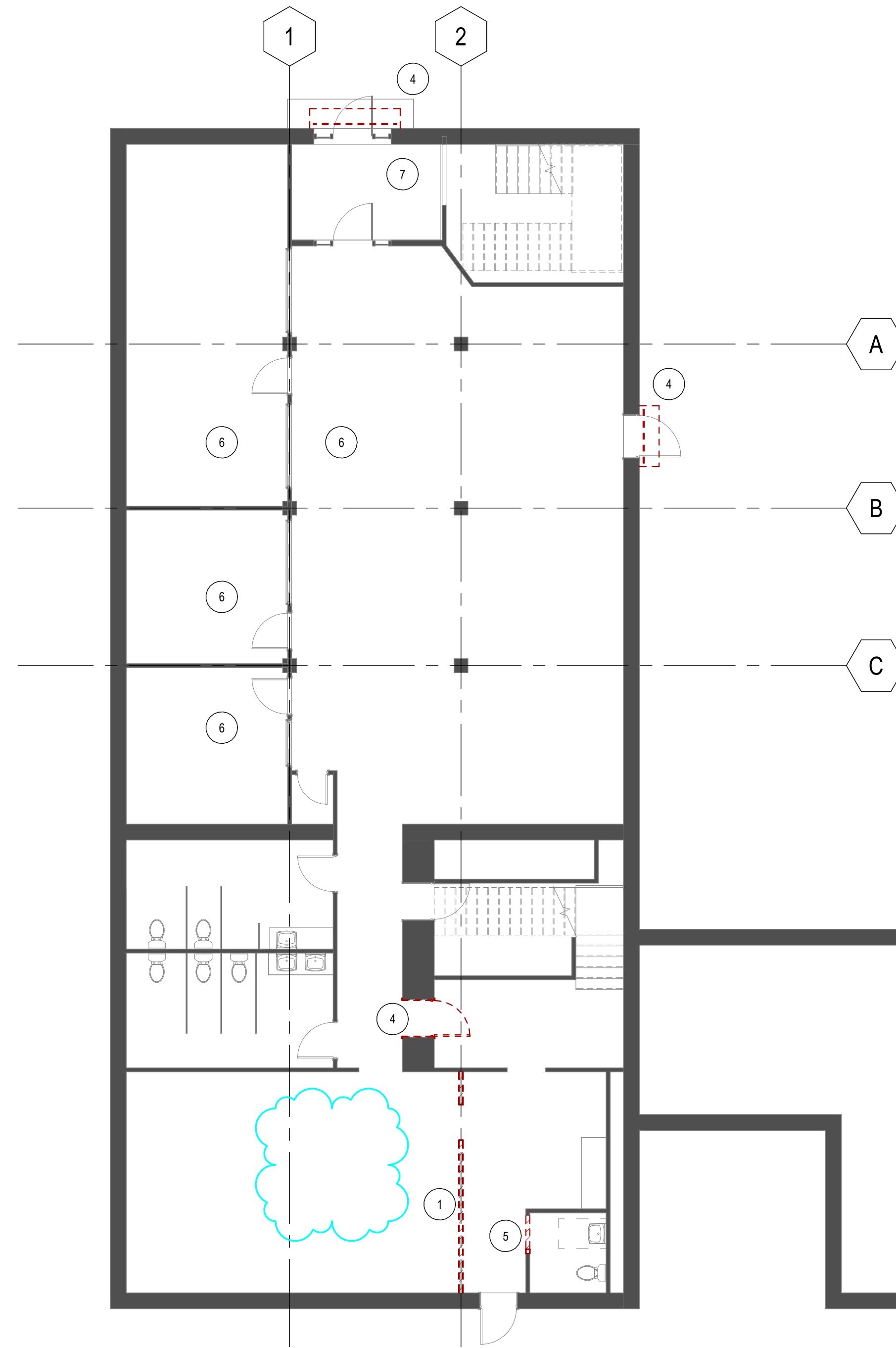
A. FURNITURE SHOWN FOR REFERENCE ONLY

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2 LVL 02 DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



1 LVL 01 DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES "O"

1. REMOVE WALLS
2. REMOVE TOILET ROOM FIXTURES. SALVAGE FIXTURES TO BE USED AT OWNER'S DIRECTION.
3. REMOVE COLUMN ENCLOSURE.
4. REMOVE AND SALVAGE DOOR.
5. REMOVE PORTION OF WALL FOR NEW DOOR.
6. REMOVE FLOORING

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ADDENDUM 1	2	18NOV2024
CONSTRUCTION DOCUMENTS	1	06NOV2024

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DEMOLITION PLANS

PROJECT NORTH PROJECT No: 2407  
DWG No:

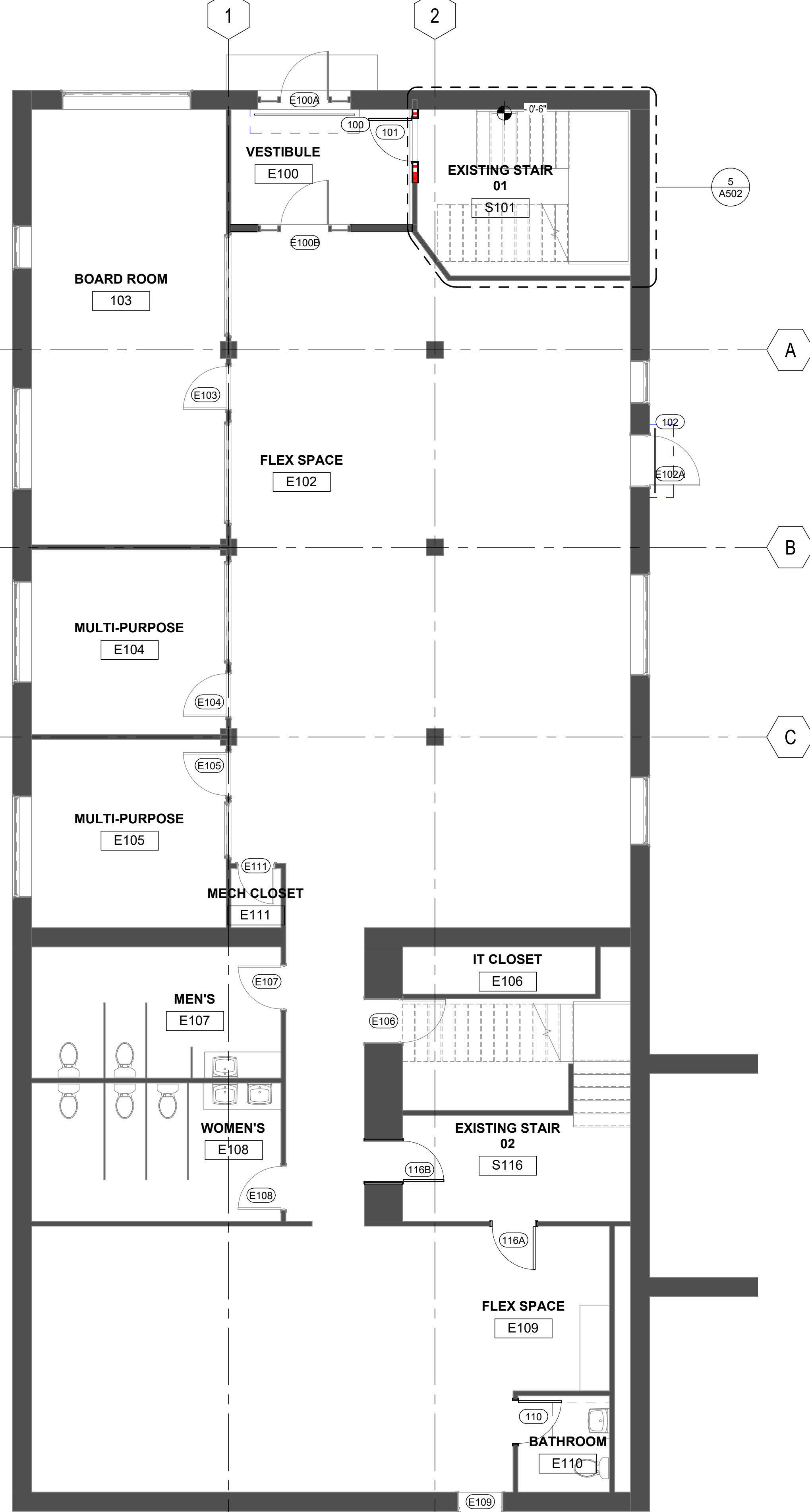
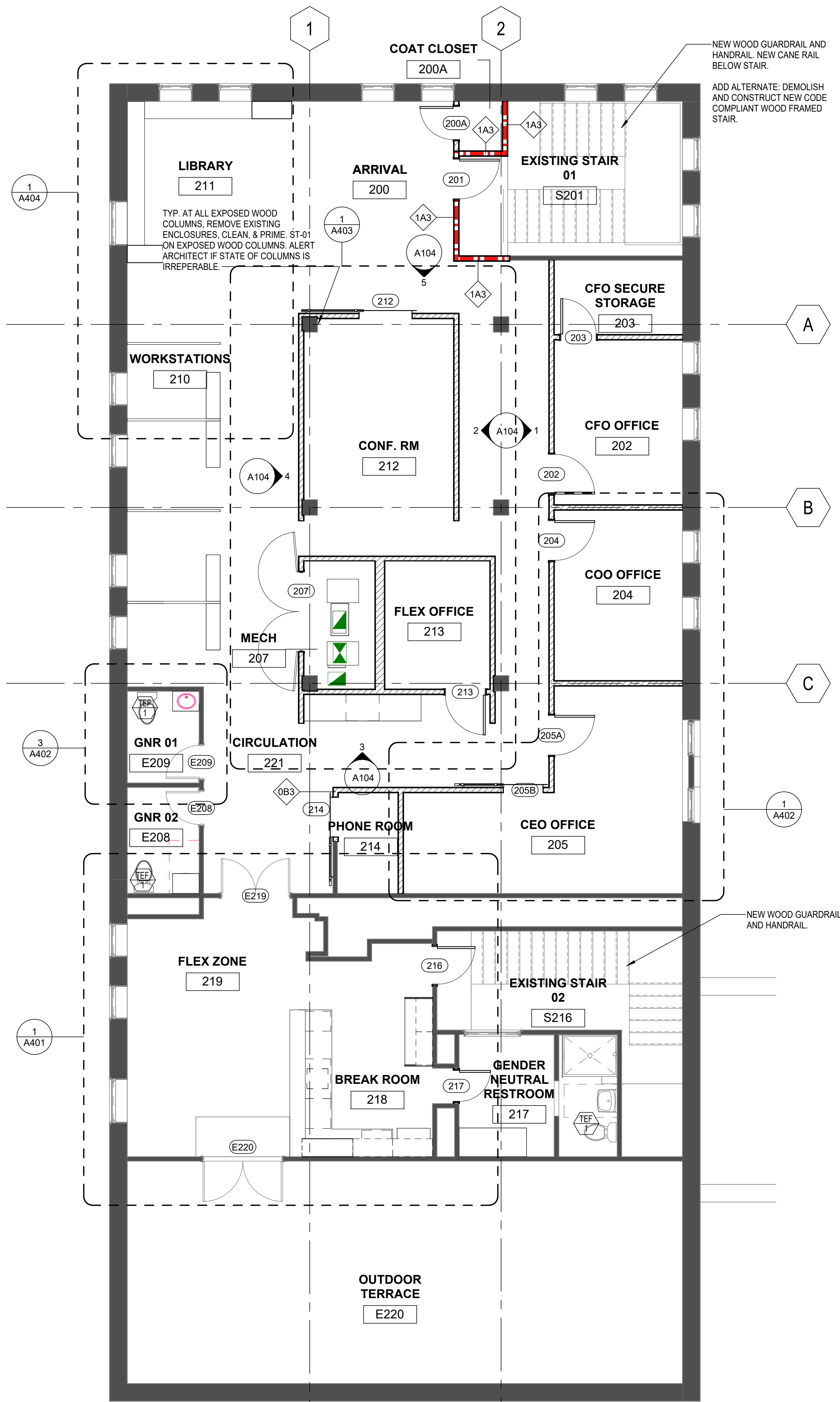


**A101**



**PARTITION SCHEDULE / LEGEND**

- EXISTING PARTITION
- 0A3 NEW PARTITION TO UNDERSIDE OF DECK - 5/8" GYPSUM WALL BOARD ON EACH SIDE OF 3 5/8" METAL STUDS SPACED 16" ON CENTER
- 0B3 NEW PARTITION 10'-0" IN HEIGHT - 5/8" GYPSUM WALL BOARD ON EACH SIDE OF 3 5/8" METAL STUDS SPACED 16" ON CENTER
- 0C3 NEW PARTITION 10'-0" IN HEIGHT - (1) LAYER OF 5/8" GYPSUM WALL BOARD ON EACH SIDE OF 3 5/8" METAL STUDS SPACED 16" ON CENTER, WITH SOUND ATTENUATION BATTS AND ACOUSTIC SEALANT.
- 002 NEW PARTITION 10'-0" IN HEIGHT - (1) LAYER OF 5/8" GYPSUM WALL BOARD ON SIDE OF 2 1/2" METAL STUDS SPACED 16" ON CENTER.
- 009 NEW PARTITION TO UNDERSIDE OF DECK - 5/8" GYPSUM WALL BOARD ON EACH SIDE OF 3 5/8" STAGGERED METAL STUDS SPACED 16" ON CENTER WITH SOUND ATTENUATION BATTS AND ACOUSTIC SEALANT.
- 1A3 NEW PARTITION TO UNDERSIDE OF DECK - ONE LAYER OF 5/8" TYPE X GYPSUM BOARD EACH SIDE OF METAL STUDS AT 16" OC



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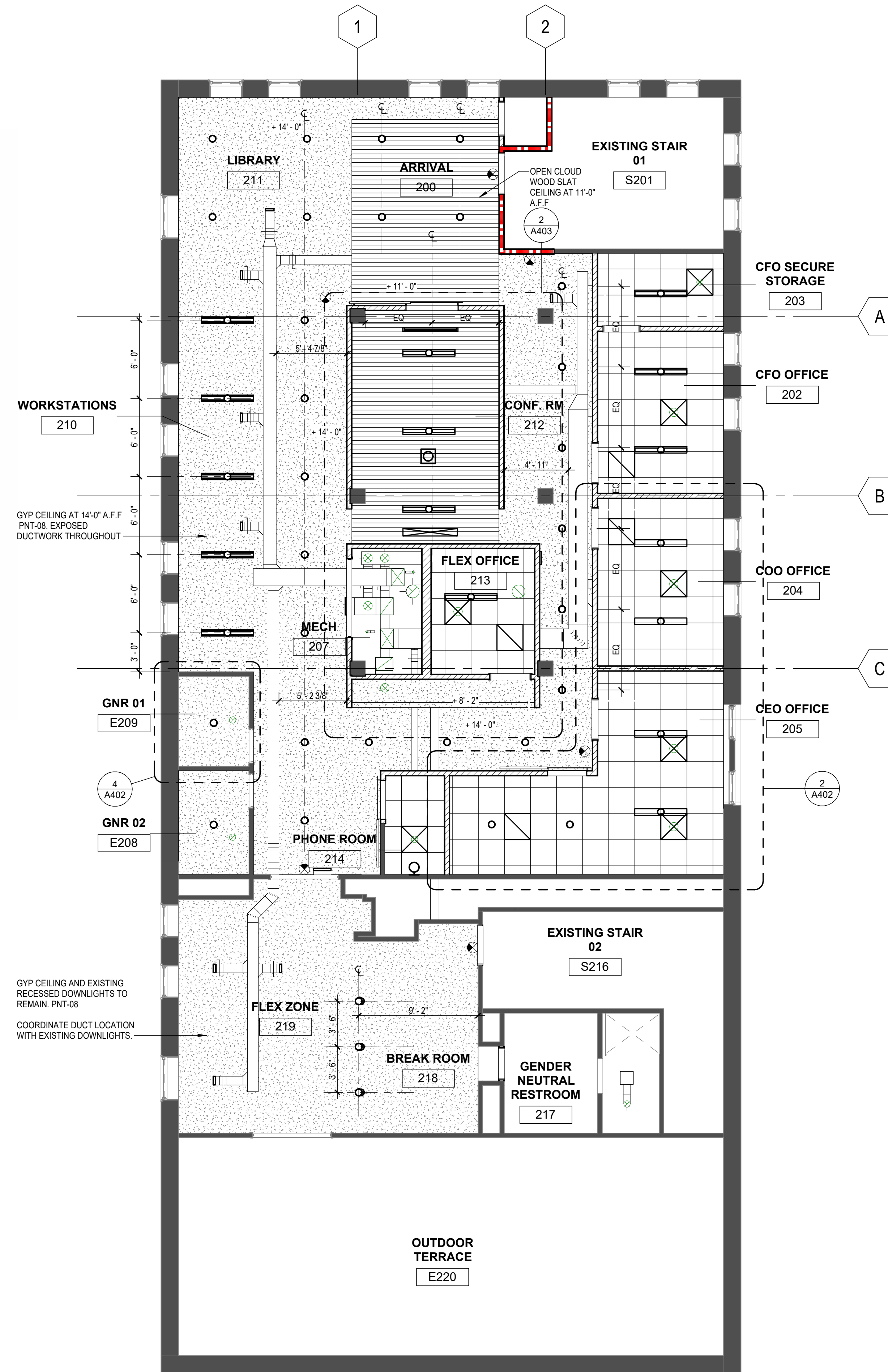
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**FLOOR PLANS**

PROJECT NORTH PROJECT No: 2407  
 DWG No:



TAG	DESCRIPTION	MANUFACTURER	MODEL #	LAMP	WATTS	FINISH	INSTALLATION	NOTES
L1	SUSPENDED LED CAN, CORD MOUNT W/ DIMMABLE CANOPY. SAME AS L1, EXCEPT WITH EM-L1 EMERGENCY POWER.	GOHAM	EY06 CC	120V, 0-10V 10% DIMMING, 1500L, 3500K, 80-CRI	14			MOUNT 9' AFF
L2	4" RECESSED LINEAR LED LIGHT	MARK ARCHITECTURAL LIGHTING	S04 4 RECESSED	120V, 0-10V 1% DIMMING, 800 L/FT, 3500K, 80-CRI	8	WHITE	CONTRACTOR PROVIDED AND INSTALLED	RECESSED IN T GRID
L3	4" LONG WALL MOUNT LED DIRECT/ INDIRECT, TUNABLE WHITE SCENCE, SILVER	MARK ARCHITECTURAL LIGHTING	SLOT 4 LED WALL	120V, 0-10V 1% DIMMING, 800 L/FT, 3500K, 80-CRI	8	SILVER	CONTRACTOR PROVIDED AND INSTALLED	
L4	DECORATIVE PENDANT	TBD	TBD	120V, 0-10V, 1000L, 3500K, 80-CRI	TBD	TBD		DECORATIVE PENDANT IN BREAK ROOM
L5	4" SUSPENDED LINEAR LED LIGHT, BLACK CORD MOUNT	MARK ARCHITECTURAL LIGHTING	SLOT 4 PENDANT DIRECT	120V, 0-10V 1% DIMMING, 800 L/FT, 3500K, 80-CRI	6.33FT	BLACK		REGRESSED LOUVER, MOUNT 9' AFF.



## GENERAL SHEET NOTES

A. FURNITURE SHOWN FOR REFERENCE ONLY

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## REFLECTED CEILING PLANS

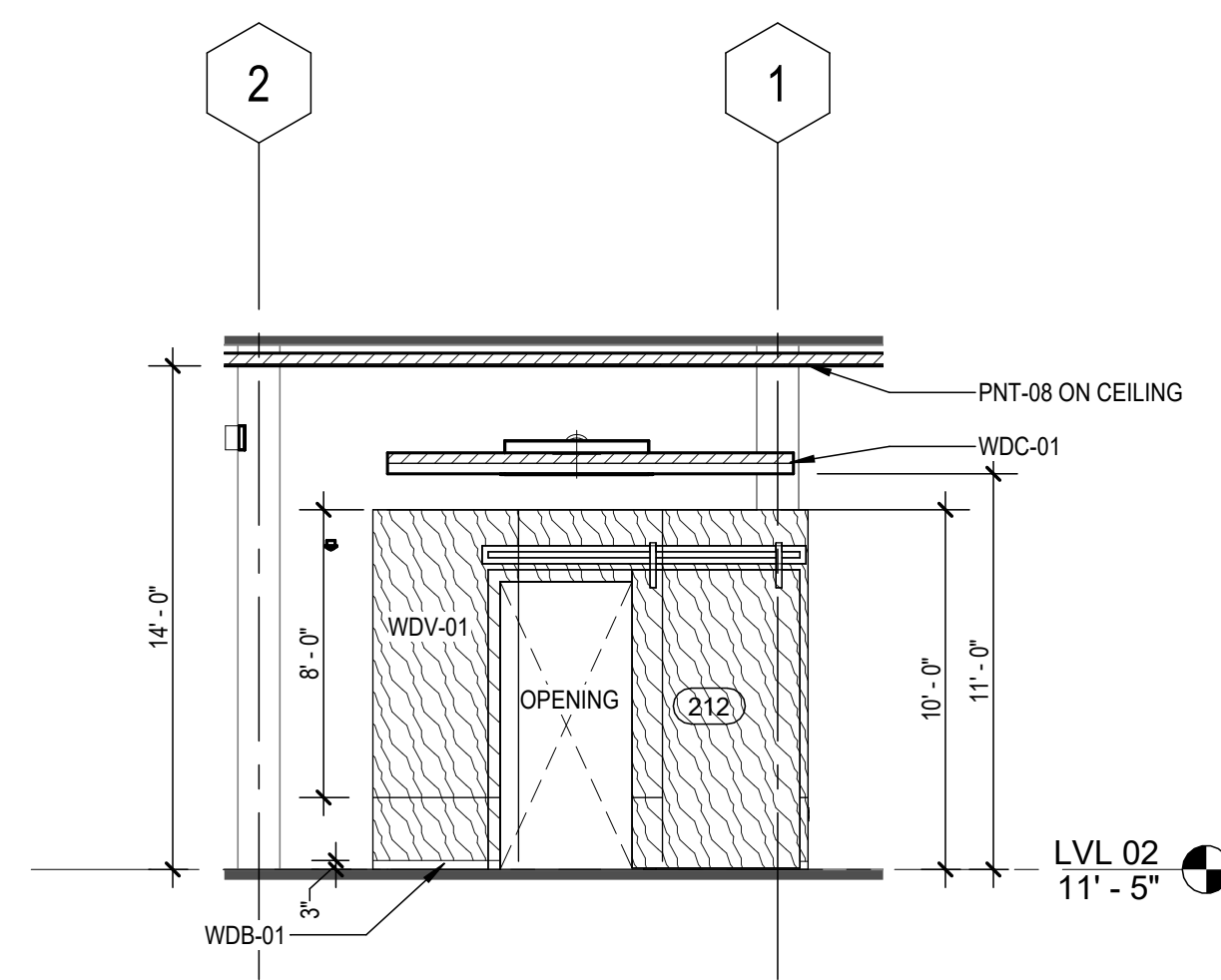
PROJECT NORTH PROJECT No: 2407  
 DWG No:

2 LVL 02 RCP  
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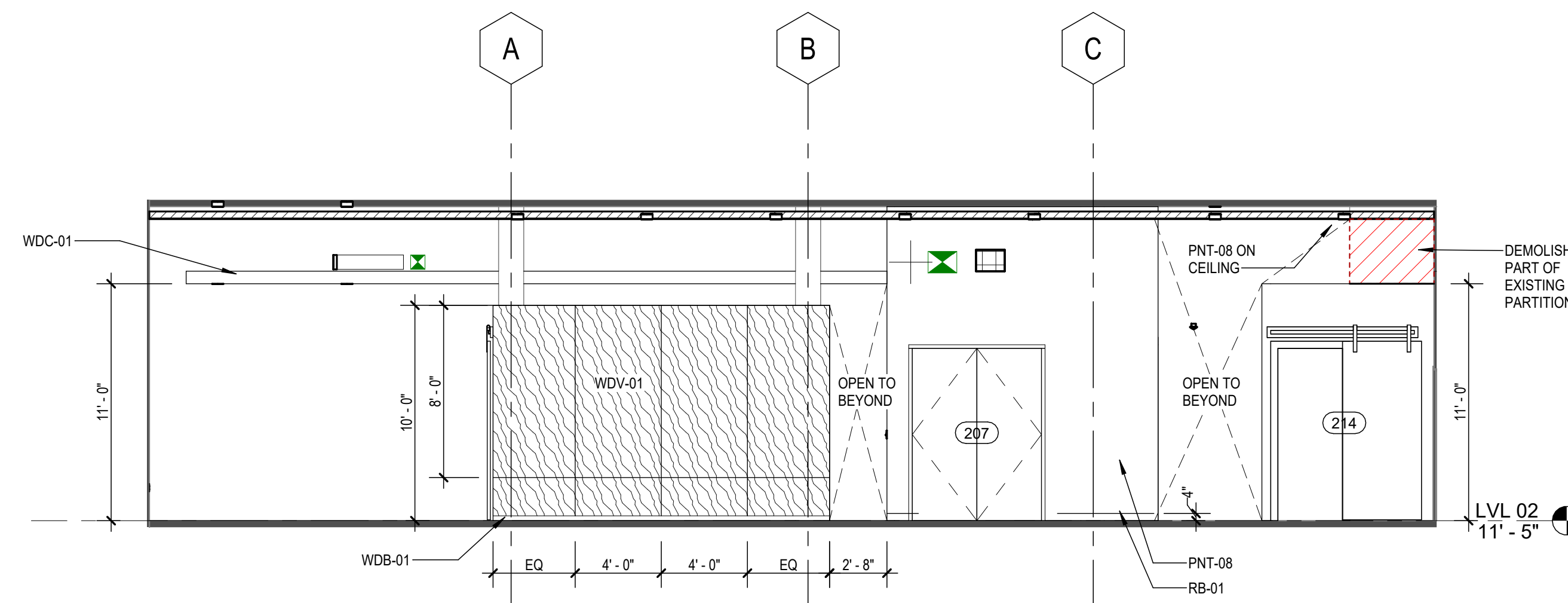


**A103**

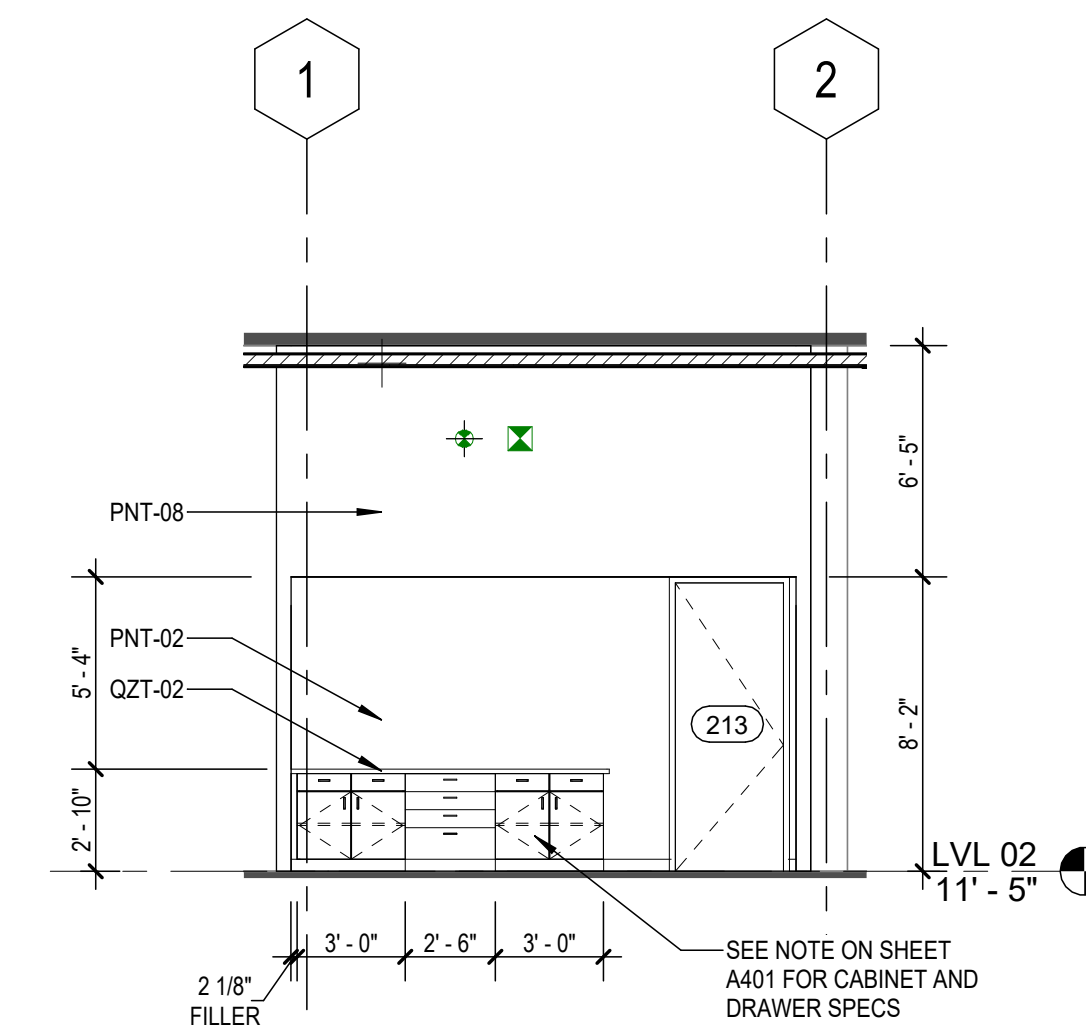




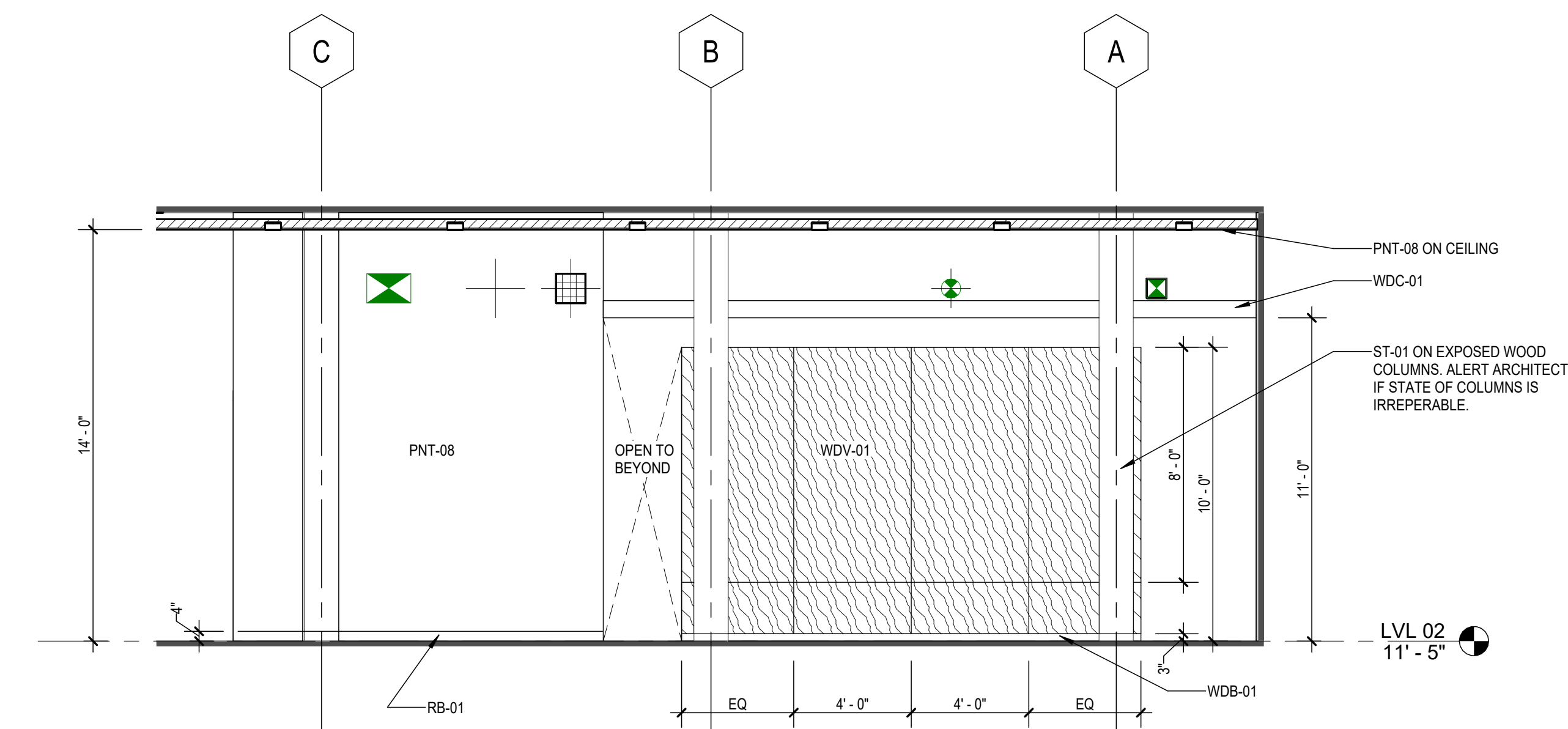
5 INT ELEV CIRC - SOUTH  
 SCALE: 3/16" = 1'-0"



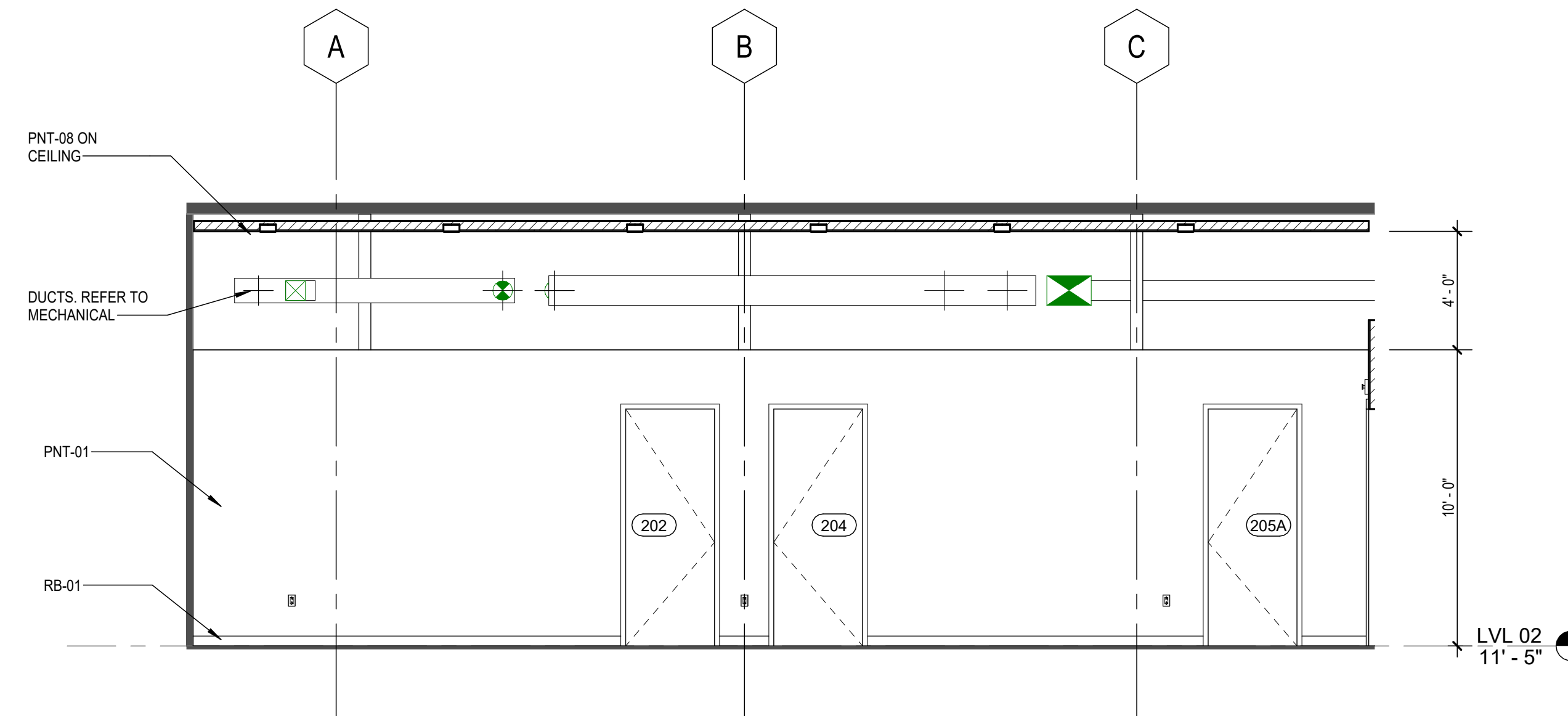
4 INT ELEV - CIRC EAST  
 SCALE: 3/16" = 1'-0"



3 INT ELEV CIRC - NORTH  
 SCALE: 3/16" = 1'-0"



2 INT ELEV CIRC WEST  
 SCALE: 1/4" = 1'-0"



1 INT ELEV CIRC OFFICE - EAST  
 SCALE: 1/4" = 1'-0"

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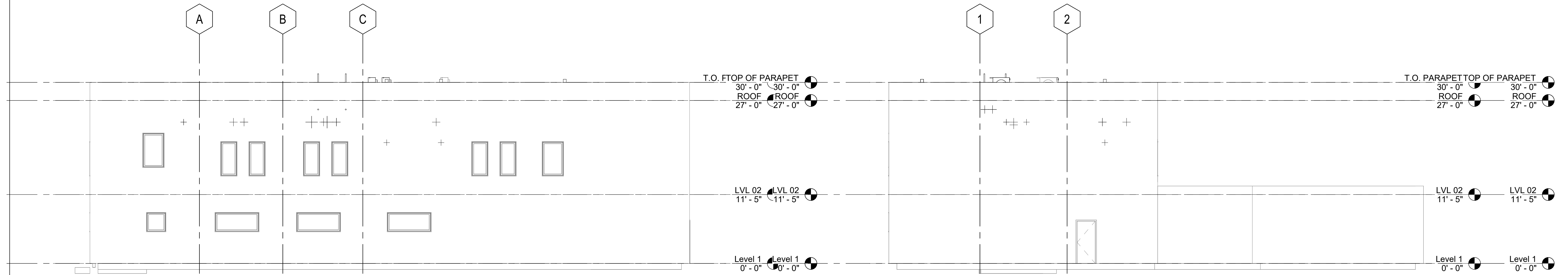
**INTERIOR ELEVATIONS**

PROJECT NORTH PROJECT No: 2407  
 DWG No:



# Other Work

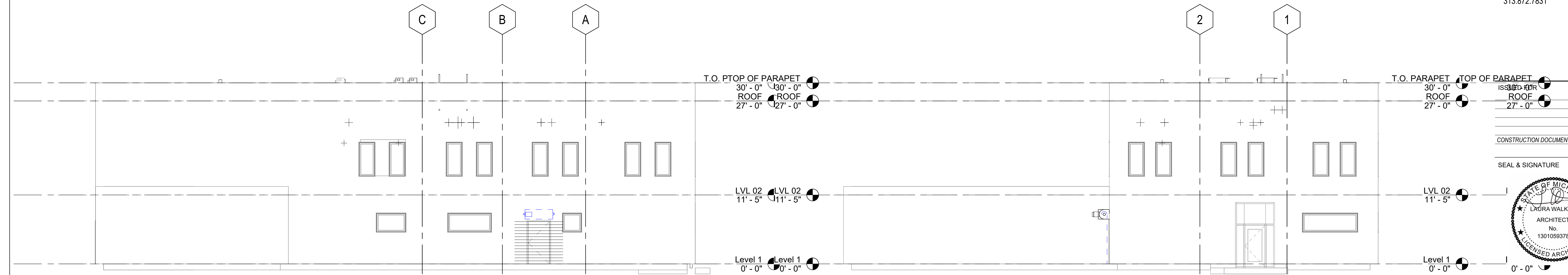
architecture advocacy art  
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4 EXT BUILDING ELEV - WEST  
 SCALE: 1/8" = 1'-0"

3 EXT BUILDING ELEV - SOUTH  
 SCALE: 1/8" = 1'-0"

PREPARED ON BEHALF OF:  
 VANGUARD COMMUNITY DEVELOPMENT  
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2 EXT BUILDING ELEV - EAST  
 SCALE: 1/8" = 1'-0"

1 EXT BUILDING ELEV - NORTH  
 SCALE: 1/8" = 1'-0"

ISSUED FOR	REV	DATE
ROOF		
ROOF		
CONSTRUCTION DOCUMENTS	1	06NOV2024

SEAL & SIGNATURE



PROJECT VANGUARD OFFICES

2817 E GRAND BLVD  
 DETROIT, MI 48211

## EXTERIOR ELEVATIONS

PROJECT NORTH PROJECT No: 2407  
 DWG No:



A201



**CABINETS AND MILLWORK NOTES**

CABINETS, DRAWERS, SHELVES, AND MILLWORK IN THE BREAKROOM, SUPPLIES AREA, GNR 01 AND GNR 02 SHALL BE THE FOLLOWING, UNLESS OTHERWISE NOTED:

CABINETS MANUFACTURER: DCI CABINETS DIRECT: (248) 310-1926  
 DOOR STYLE: RUSHMORE ON HDF CORE  
 CONSTRUCTION: FULL PLYWOOD WITH SOLID FRAME AND DOOR FRAMES  
 DRAWERS: SOLID BIRCH, DOVETAILED WITH 3/8" PLYWOOD BOTTOMS  
 DRAWER TRACKS: SOFT CLOSING FULL EXTENSION UNDERMOUNT  
 HINGES: SOFT CLOSING 6-WAY ADJUSTABLE FACE FRAME, 110 OPENING  
 FINISH: CONVERSION VARNISH NON YELLOWING FINISH

A REQUEST FOR SUBSTITUTION WILL BE CONSIDERED FOR DETROIT BASED OR MINORITY OWNED MANUFACTURERS, SUBJECT TO THE OWNER AND ARCHITECT'S APPROVAL, BASED ON THE FOLLOWING DATA:

- PRODUCT DATA RELATING TO THE DESIGN, PERFORMANCE, AND QUALITIES OF THE PROPOSED SUBSTITUTION
- REFERENCES AND SAMPLES

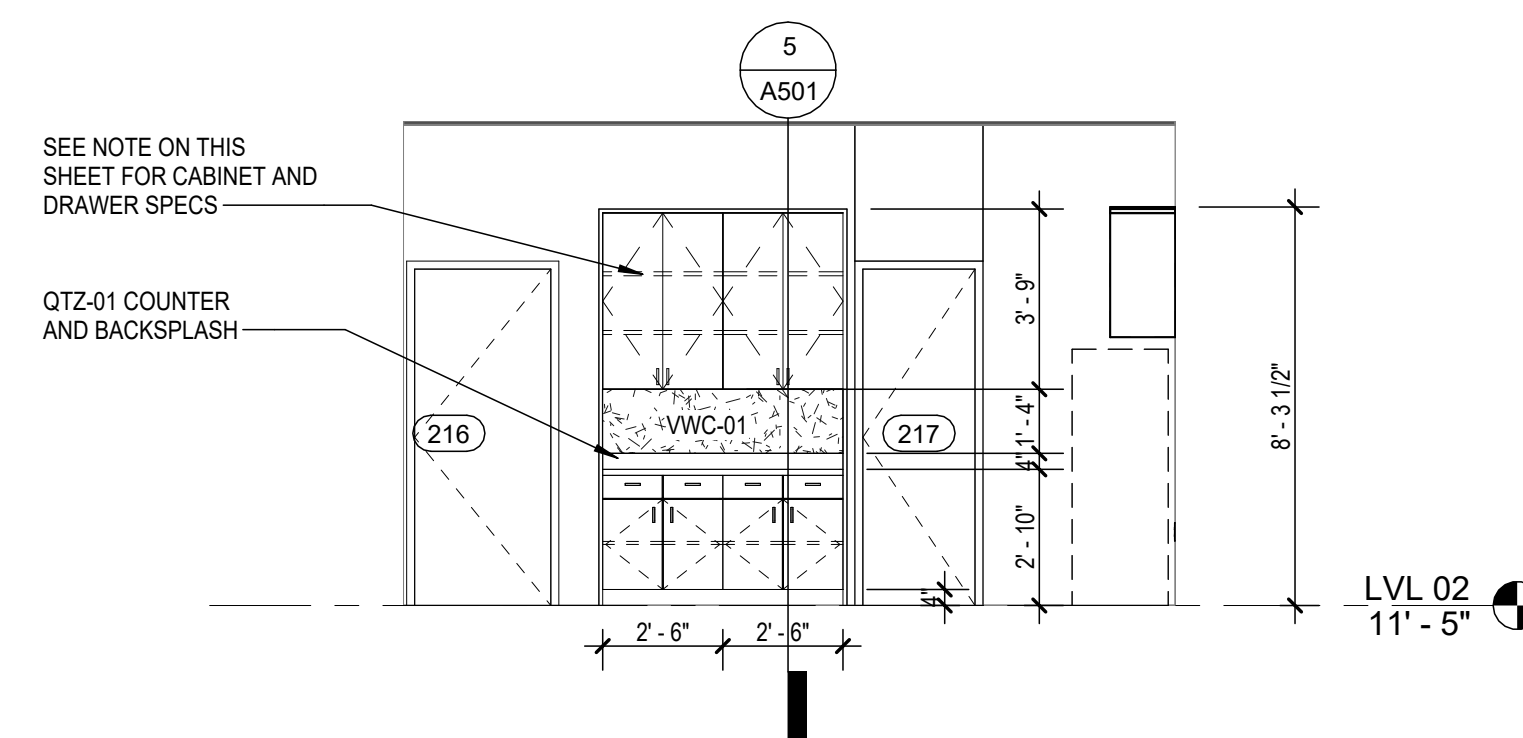
BY SUBMITTING THE SUBSTITUTION REQUEST, CONTRACTOR AFFIRMS THAT THE PROPOSED SUBSTITUTION CONFORMS TO THE REQUIRED DIMENSIONS AND MEETS OR EXCEEDS THE STANDARDS OF REQUIRED FUNCTION, APPEARANCE, AND QUALITY SET BY THE SPECIFIED PRODUCT.

**ACTION SUBMITTALS INCLUDE:**

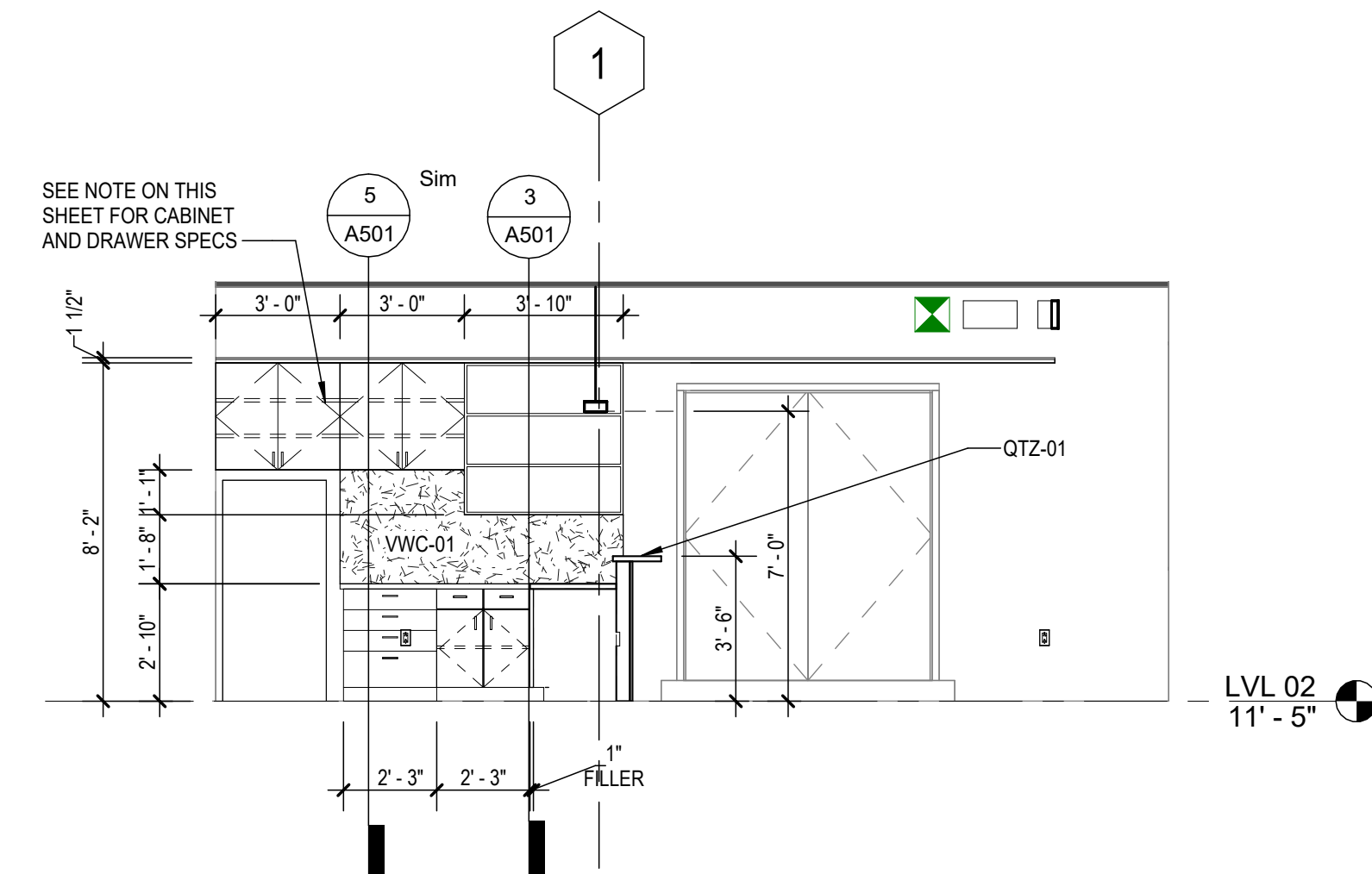
- A. PRODUCT DATA: FOR THE FOLLOWING:**
1. CABINETS
  2. CABINET HARDWARE
  3. QUARTZ COUNTERTOP

**B. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK. SHOW MATERIALS, FINISHES, FILLER PANELS, AND HARDWARE.**

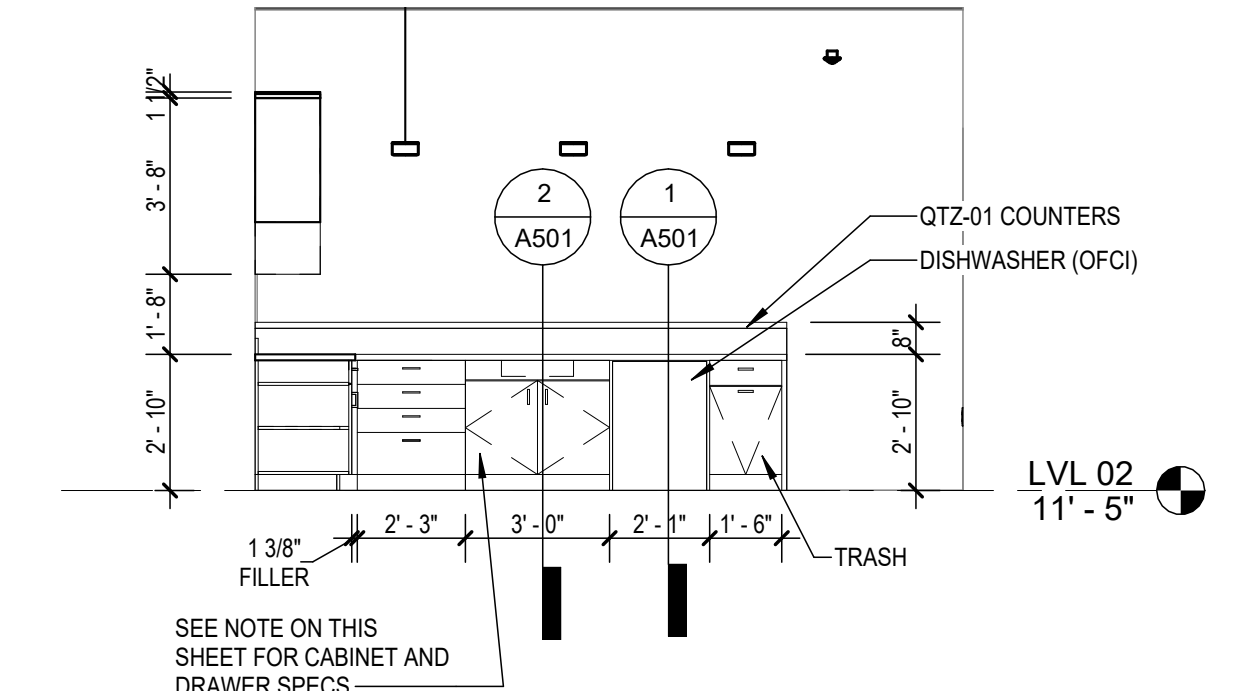
**C. SAMPLES: FOR CABINET AND COUNTERTOP FINISHES.**



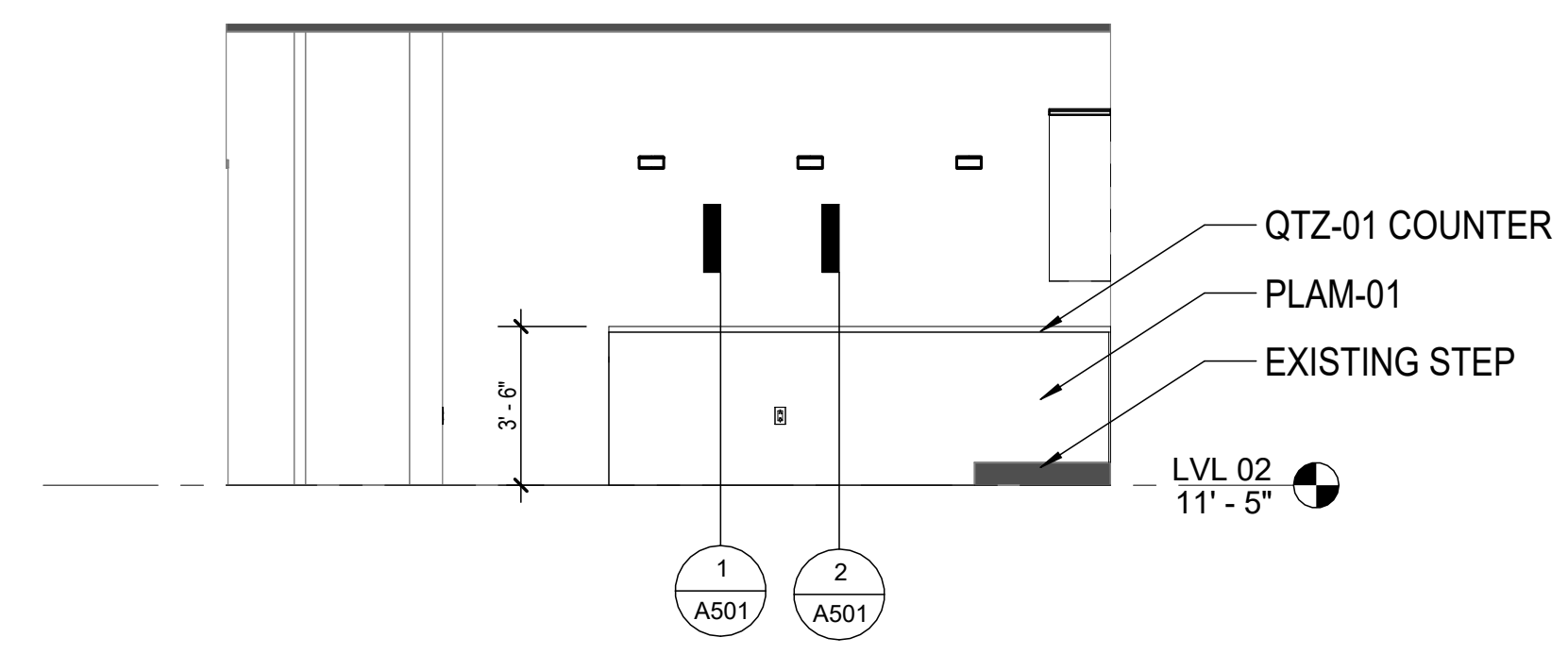
5 LVL 02 - INT ELEV - BREAK ROOM - EAST  
 SCALE: 1/4" = 1'-0"



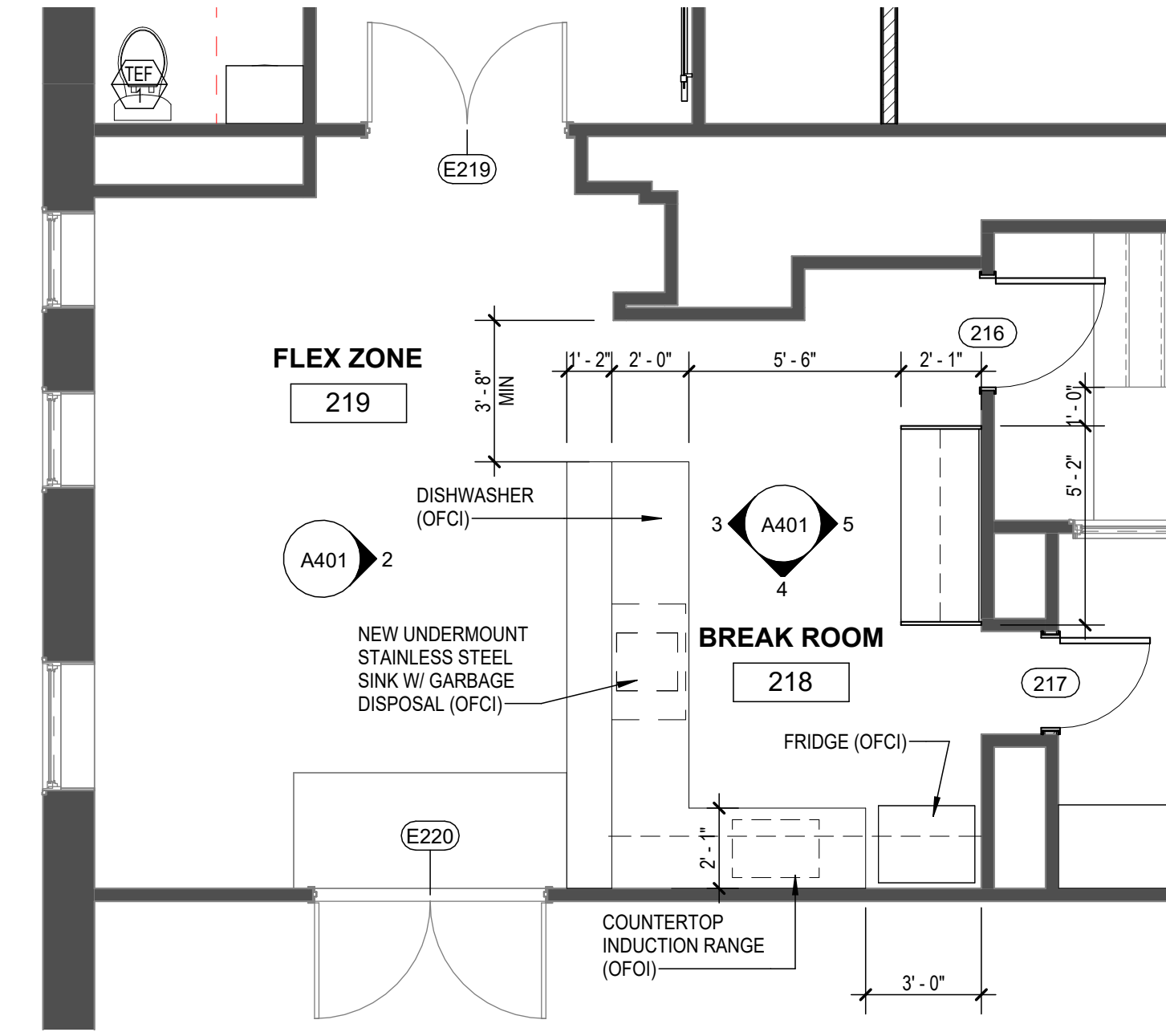
4 LVL 02 - INT ELEV - BREAK ROOM - SOUTH  
 SCALE: 1/4" = 1'-0"



3 LVL 02 - INT ELEV - BREAK ROOM - WEST  
 SCALE: 1/4" = 1'-0"



2 LVL 02 - ELEV - BREAK ROOM - EAST 02  
 SCALE: 1/4" = 1'-0"



1 LVL 02 - ENLARGED PLAN - BREAK ROOM AND LOUNGE  
 SCALE: 1/4" = 1'-0"

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2817 E GRAND BLVD  
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**LVL 02 BREAK ROOM**

PROJECT NORTH PROJECT No: 2407  
 DWG No:





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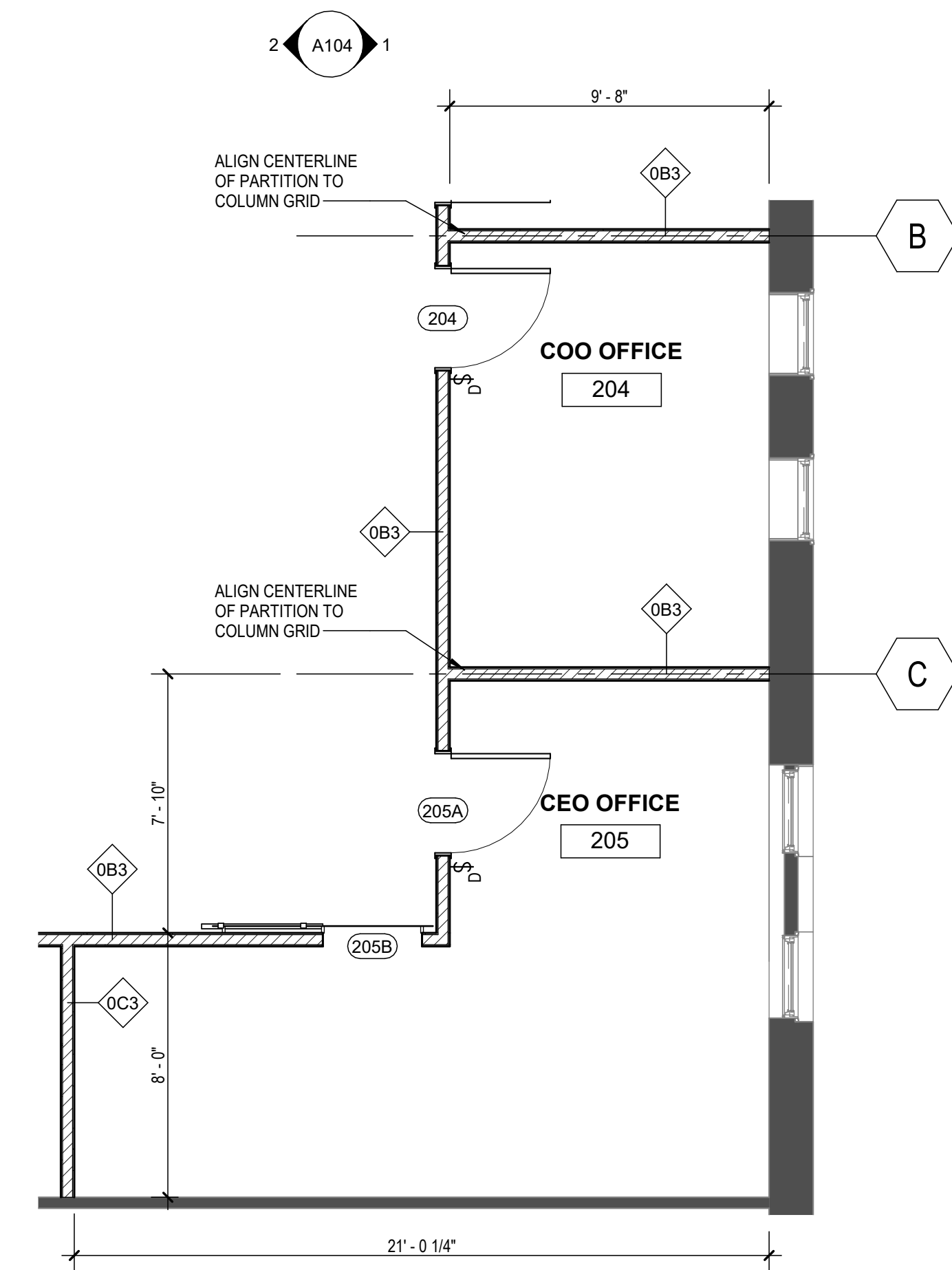
**LVL 02 CEO AND  
COO OFFICE**

PROJECT NORTH PROJECT No: 2407

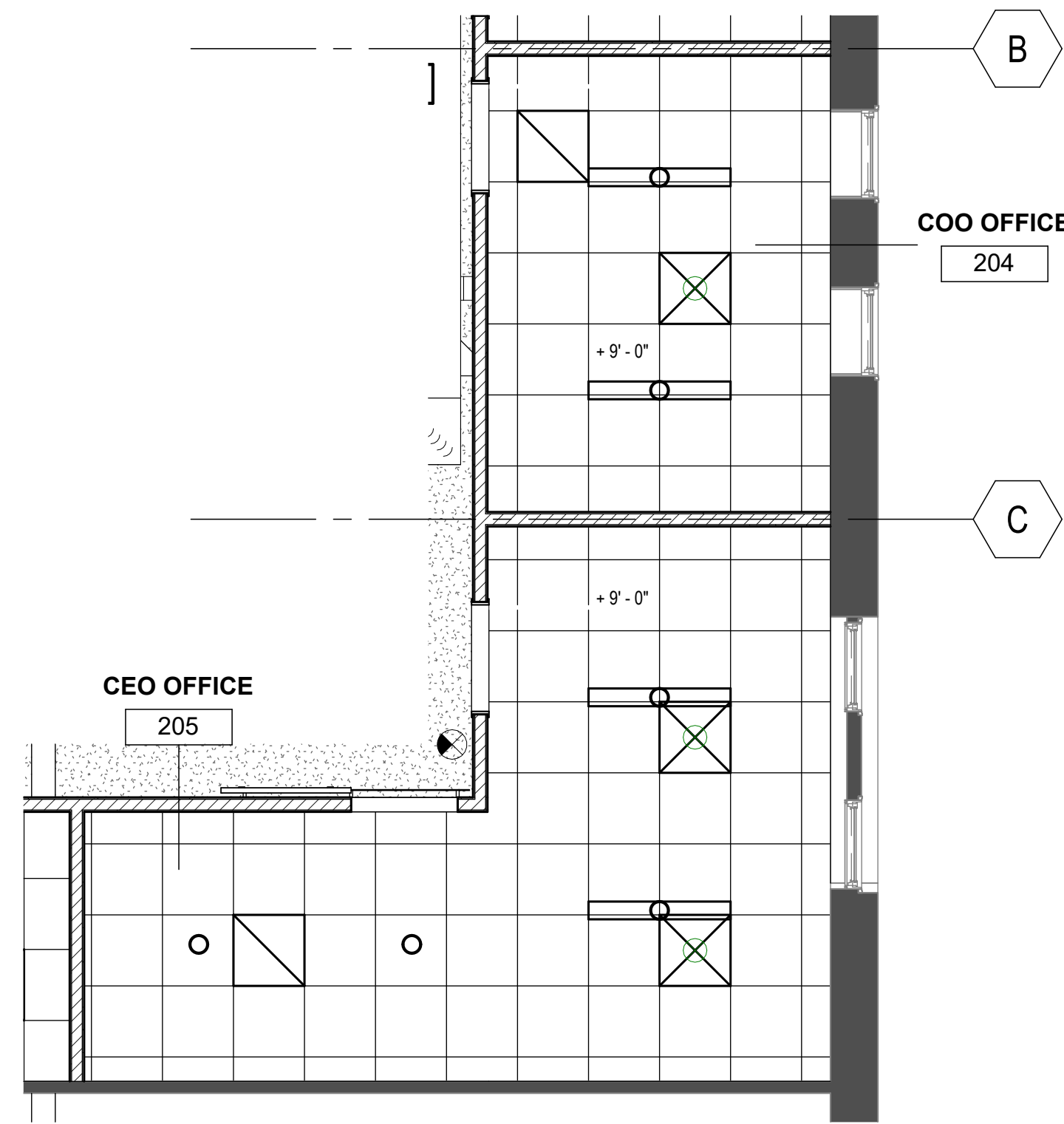
DWG No:



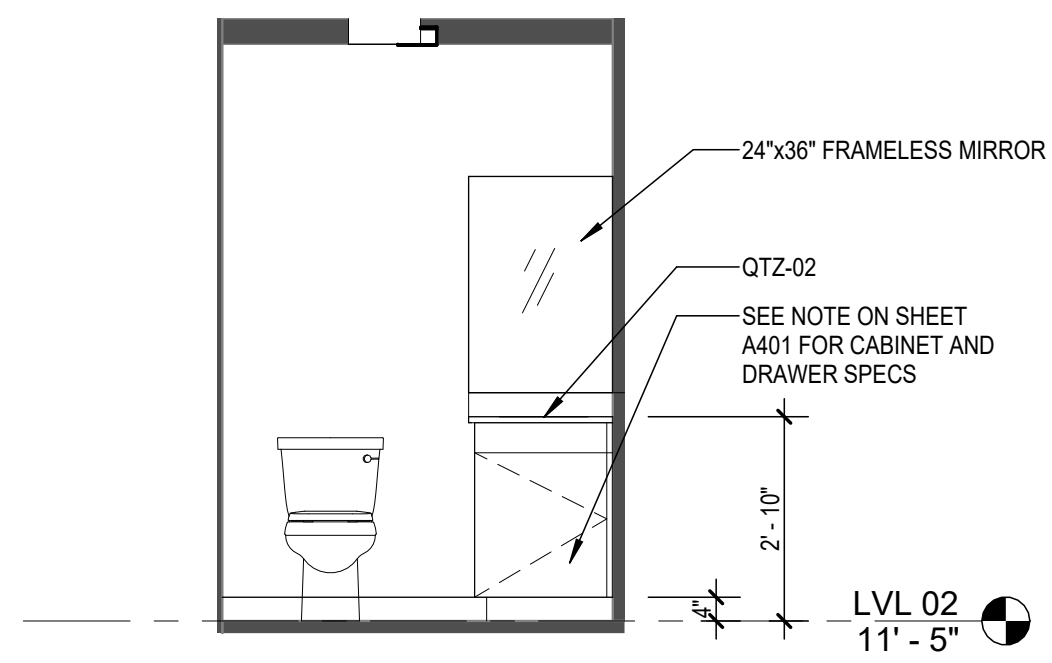
**A402**



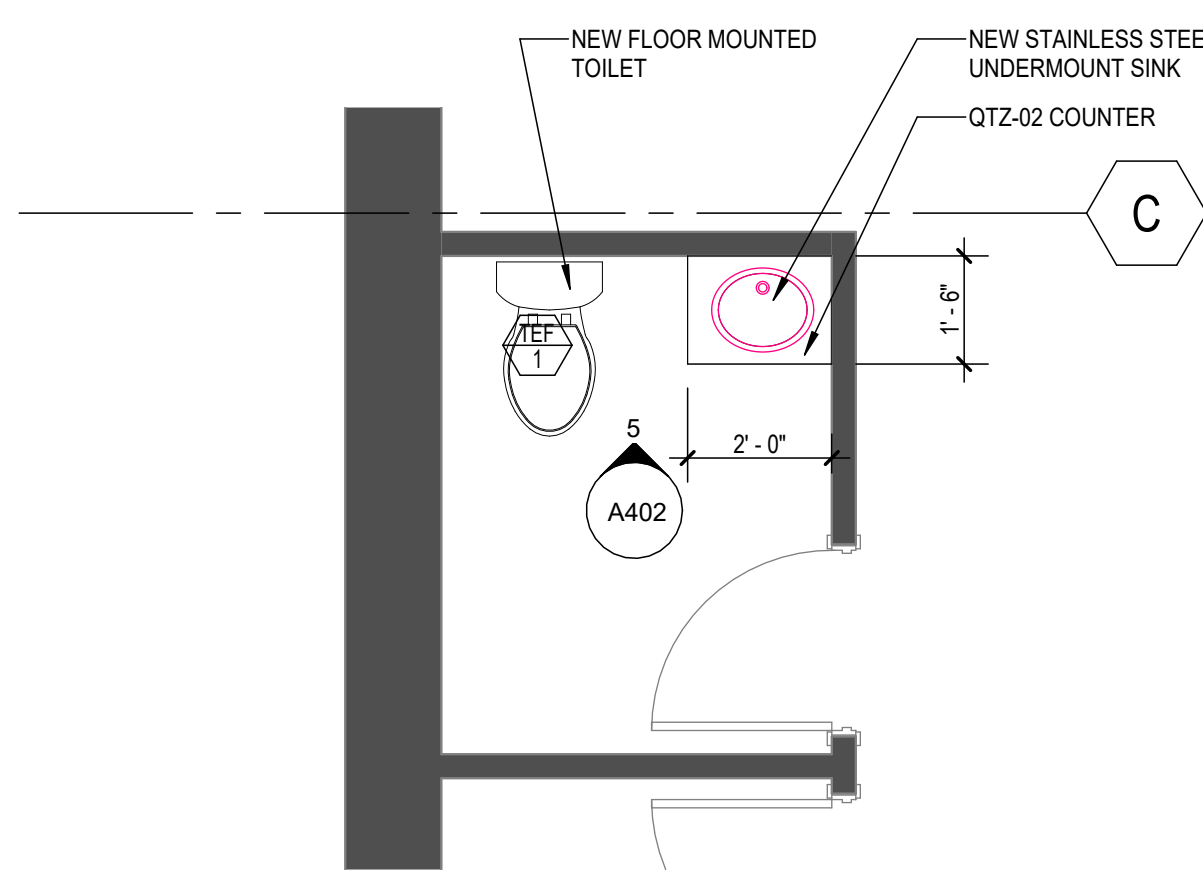
1 LVL 02 - ENLARGED PLAN - OFFICE  
SCALE: 1/4" = 1'-0"



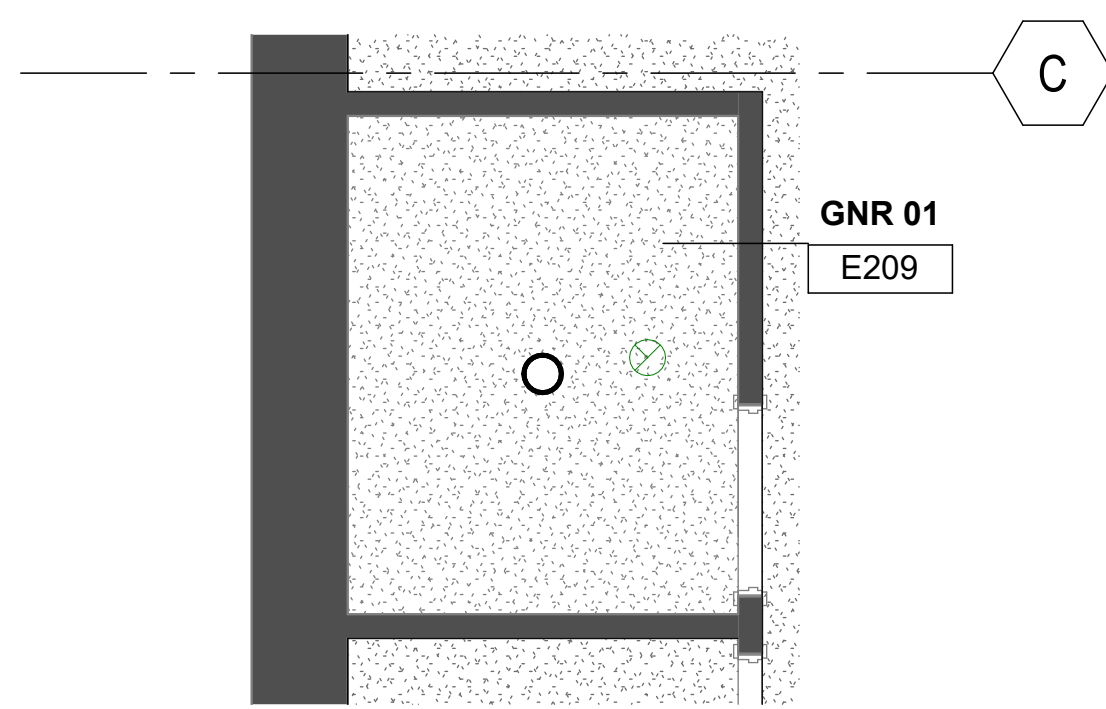
2 LVL 02 RCP - OFFICE  
SCALE: 1/4" = 1'-0"



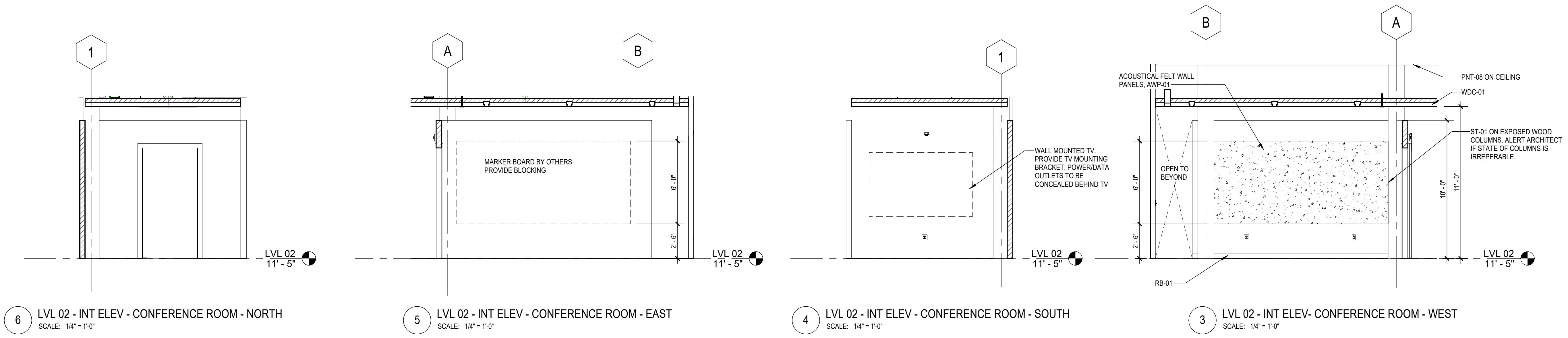
5 LVL 02 - INT ELEV - GNR 01 - NORTH  
SCALE: 3/8" = 1'-0"



3 ENLARGED PLAN - TYPICAL GNR  
SCALE: 3/8" = 1'-0"



4 ENLARGED RCP - TYPICAL GNR  
SCALE: 3/8" = 1'-0"

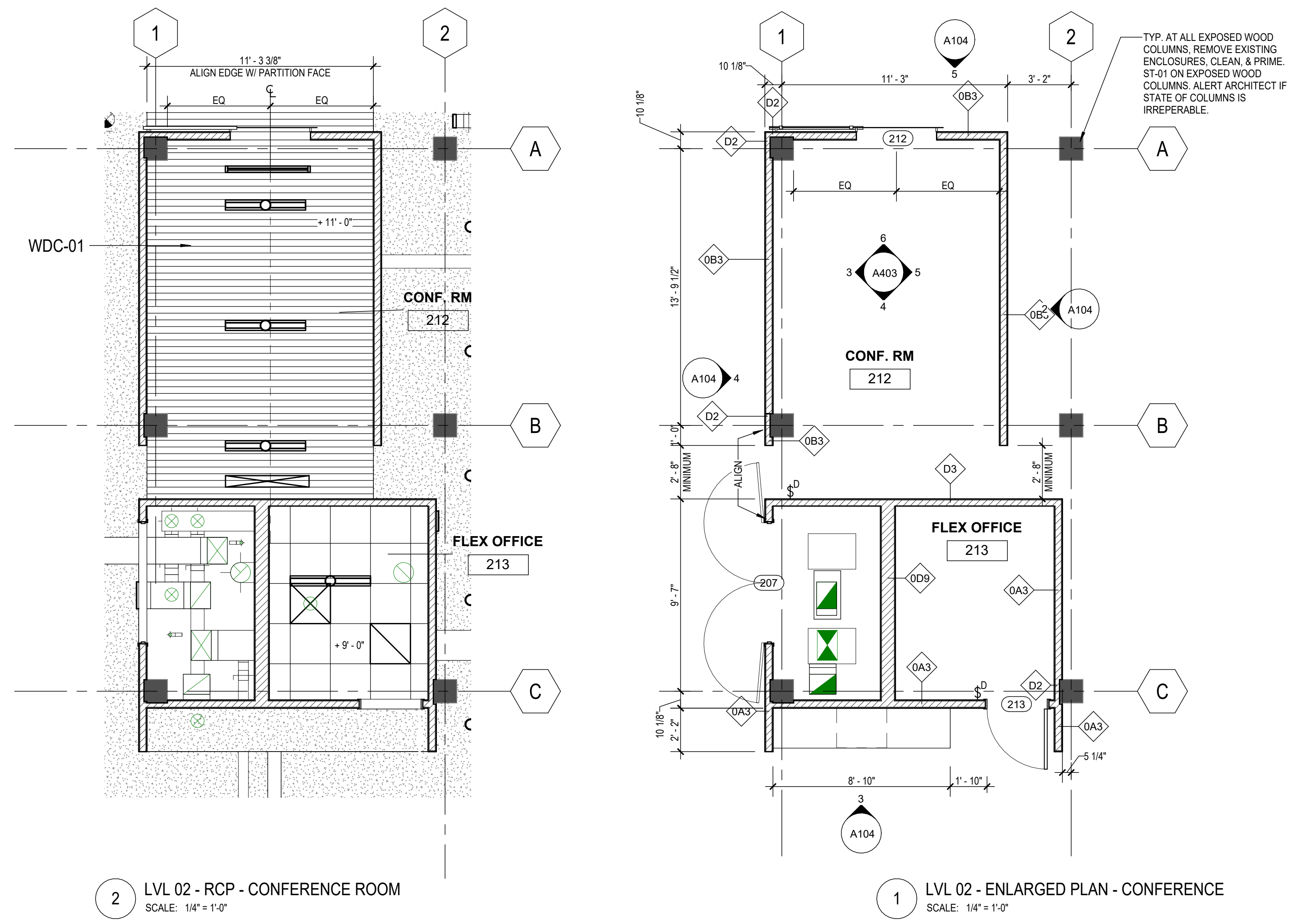


6 LVL 02 - INT ELEV - CONFERENCE ROOM - NORTH  
SCALE: 1/4" = 1'-0"

5 LVL 02 - INT ELEV - CONFERENCE ROOM - EAST  
SCALE: 1/4" = 1'-0"

4 LVL 02 - INT ELEV - CONFERENCE ROOM - SOUTH  
SCALE: 1/4" = 1'-0"

3 LVL 02 - INT ELEV - CONFERENCE ROOM - WEST  
SCALE: 1/4" = 1'-0"



2 LVL 02 - RCP - CONFERENCE ROOM  
SCALE: 1/4" = 1'-0"

1 LVL 02 - ENLARGED PLAN - CONFERENCE  
SCALE: 1/4" = 1'-0"

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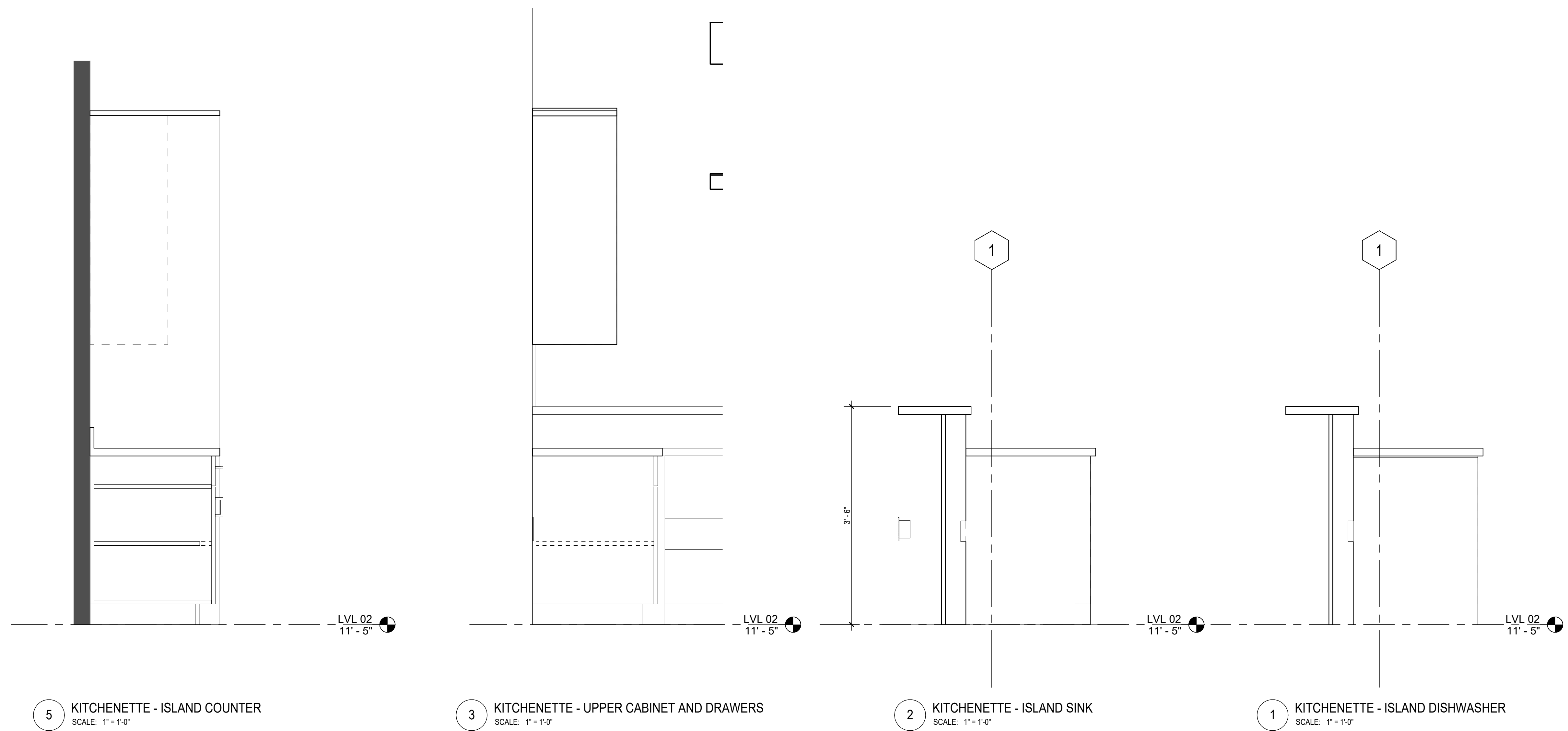
**LVL 02 MEETING  
ROOMS**

PROJECT NORTH PROJECT No: 2407  
DWG No:



# Other Work

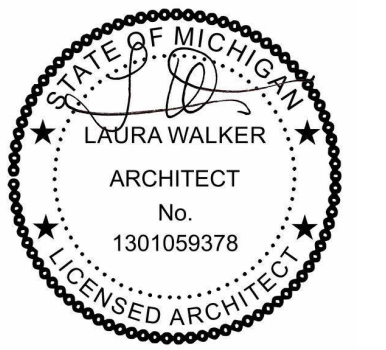
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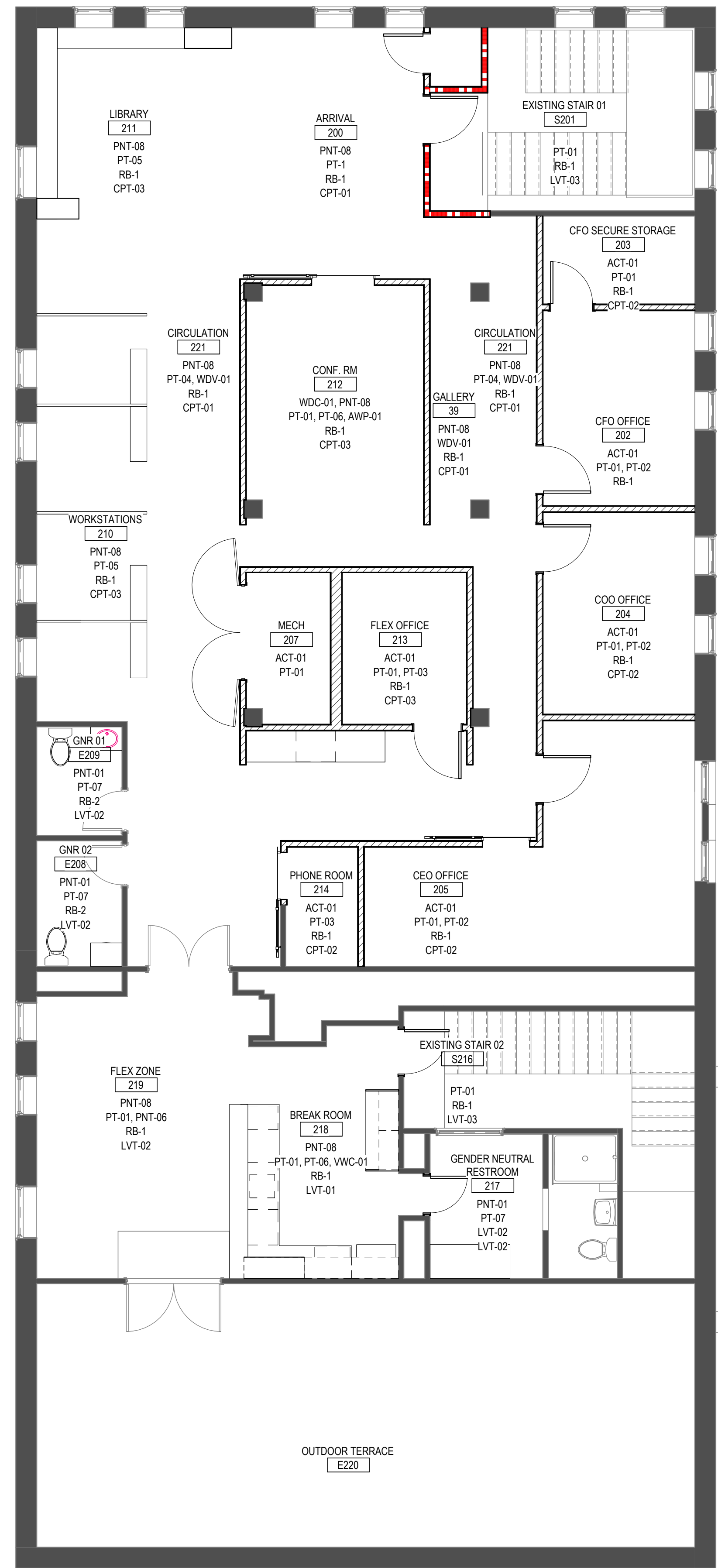
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## INTERIOR DETAILS

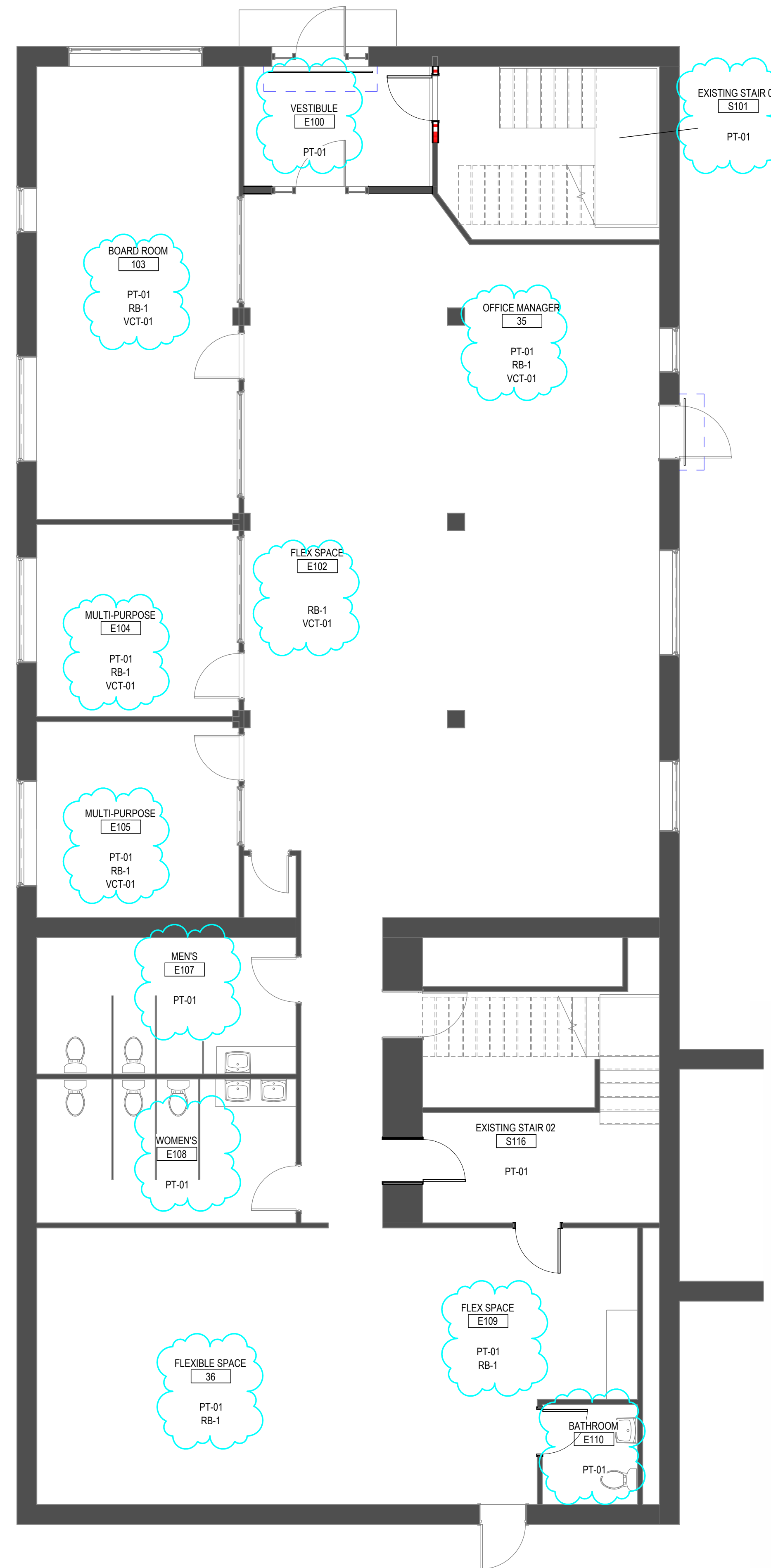
PROJECT NORTH PROJECT No: 2407  
 DWG No:



# A501



1 LVL 02 FINISH FLOOR PLAN  
SCALE: 3/16" = 1'-0"



2 LVL 01 FINISH FLOOR PLAN  
SCALE: 3/16" = 1'-0"

FINISH SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	SERIES NAME	MODEL #	FINISH / COLOR	SIZE	INSTALLATION	NOTES
CPT-01	CARPET TILE	SHAW CONTRACT			TBD	TBD	TBD	
CPT-02	CARPET TILE	SHAW CONTRACT			TBD	TBD	TBD	
CPT-03	CARPET TILE	SHAW CONTRACT			TBD	TBD	TBD	
LVT-01	LUXURY VINYL TILE	SHAW CONTRACT	COMPOUND 2.5 MM	4074V		24"x24"		
LVT-02	LUXURY VINYL TILE	SHAW CONTRACT	COMPOUND 2.5 MM	4074V		24"x24"		
VCT-01	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON		IMPERIAL TEXTURE I	12"x12"		
ACT-01	ACOUSTIC CEILING TILE	USG			FLUO WHITE GRD-15116	24"x24"		
WDC-01	WOOD SLAT CEILING				WHITE	24"x24"		TO MATCH WDV-01
RB-01	RUBBER BASE	JOHNSONITE/TARKETT						
RB-02	RUBBER BASE	JOHNSONITE/TARKETT						
WDB-01	WOOD BASE					1 1/2"x3"		TO MATCH WDV-01
PNT-01	FIELD PAINT							PAINT COLOR FOR ALL EXISTING FIXTURES, PIPES, CONDUITS, ETC TO MATCH EXISTING CEILING PAINT
PNT-02	ACCENT PAINT							ROBINS EGG BLUE
PNT-03	ACCENT PAINT							NEUTRAL FRENCH GRAY - MEETING ROOMS/COPY
PNT-04	ACCENT PAINT							YELLOW
PNT-05	ACCENT PAINT							BROWN - WORKSTATIONS
PNT-06	ACCENT PAINT							NAVY
PNT-07	ACCENT PAINT							TOILETS
PNT-08	CEILING PAINT							PAINT COLOR FOR CEILINGS AT UNDERSIDE OF DECK
ST-01	CLEAR FINISH							CLEAR FINISH ON ALL EXPOSED WOOD COLUMNS, PRIMER LATEX FOR INTERIOR WOOD MPI #38
QTZ-1	QUARTZ COUNTERTOP AND BACKSPLASH	CUTTING EDGE STONECRAFT	CARRARA		HONED	3CM		ANDREI info@gestonecraft.com (248) 474-9999
QTZ-2	QUARTZ COUNTERTOP AND BACKSPLASH	CUTTING EDGE STONECRAFT				3CM		
WDV-1	WOOD VENEER				CLEAR COAT			
VWC-01	VINYL WALL COVERING	DETROIT WALLPAPER CO.						REFER TO ARCHITECTURAL DRAWINGS
AWP-01					NAVY			> 55% recycled content; +ASTM E84-21A Class A OR GREATER; TVOC: <0.5 mg/m3; NRC > 0.7

MATERIALS AND FINISH NOTES

- FURNISH EXTRA MATERIALS FROM THE SAME PRODUCT RUN THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS.
  - CARPET TILE: FULL-SIZE UNITS EQUAL TO FIVE (5) PERCENT OF AMOUNT INSTALLED FOR EACH TYPE INDICATED, BUT NOT LESS THAN 10 SQ. YD.
- ALL INTERIOR GYPSUM WALLS, CEILINGS, AND SOFFITS TO BE PAINTED PNT-1 UNLESS OTHERWISE NOTED.
- ALL DOORS TO BE WDV-1 UNLESS OTHERWISE NOTED.
- WHERE NOTED IN ROOM FINISH SCHEDULE, RESILIENT BASE TO BE COVERED AT ALL LOCATIONS, INCLUDING COLUMNS.
- ALL ARCHITECTURAL MILLWORK SUPPORTS TO MATCH ADJACENT COUNTERTOP MATERIAL AND COLOR.
- FLOORING CONTRACTOR TO PROVIDE LAYOUT/INSTALLATION AND SEAMING DIAGRAM DRAWINGS FOR ALL FLOORING MATERIALS PRIOR TO INSTALLATION.
- ALL FLOORING TRANSITIONS TO OCCUR BENEATH AND AT CENTER OF DOOR, UNLESS OTHERWISE NOTED. WHERE FLOORING TRANSITIONS DO NOT OCCUR AT A DOOR, THE TRANSITION SHOULD ALIGN WITH A PARTITION.
- ALL INTERIOR GLAZING TO BE CLEAR GLASS UNLESS OTHERWISE NOTED.
- REFER TO DETAILS ON THIS SHEET FOR FLOOR TRANSITION DETAILS.
- ALL INTERIOR DOOR FRAMES TO BE PAINTED PNT-5 UNLESS OTHERWISE NOTED.
- REFER TO FINISH PLANS FOR CARPET DIRECTION INSTALL. INSTALL DIRECTIONS INDICATED SHOULD MATCH ARROWS MARKED ON BACK OF CARPET TILE.

ADD ALTERNATE: LEVEL FLOOR WITH SELF LEVELING UNDERLAYMENT AT VCT-01 LOCATIONS, PRIOR TO INSTALLING VCT-01

Other Work

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PROJECT VANGUARD OFFICES

2817 E GRAND BLVD  
DETROIT, MI 48211

ROOM FINISH PLAN, SCHEDULE & DETAILS

PROJECT NORTH PROJECT No: 2407  
DWG No:



A601



Door Schedule										
Mark	Width	Height	Door Material	Door Finish	Frame Material	FRAME FINISH	Description	Door Rating	NOTES	
<b>Level 1</b>										
100	6' - 6"	7' - 0"	GALVANIZED STEEL		GALVANIZED		OVERHEAD COILING SECURITY DOOR. VIF EXISTING DIMENSIONS OF STOREFRONT ENTRANCE		MOTOR OPERATED WITH BACK-UP POWER, EMERGENCY OPEN ALARM INPUT	
101	3' - 0"	7' - 0"	HM	PAINT	HM	PAINT	FLUSH	60	EMERGENCY EGRESS HARDWARE	
102	4' - 0"	7' - 0"	GALVANIZED STEEL		GALVANIZED		OVERHEAD COILING SECURITY DOOR. VIF EXISTING DIMENSIONS OF ENTRANCE		MOTOR OPERATED WITH BACK-UP POWER, EMERGENCY OPEN ALARM INPUT	
110	3' - 0"	7' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-	SOLID CORE WOOD DOOR	
116A	3' - 0"	7' - 0"	HM	PAINT	HM	PAINT	FLUSH	60	EMERGENCY EGRESS HARDWARE	
116B	2' - 10"	7' - 0"	HM	PAINT	HM	PAINT	FLUSH	60		
E100A	3' - 4"	6' - 10 1/4"	AL/GL	<By Category>					EXISTING DOORS GETTING NEW SECURITY AND EMERGENCY EGRESS HARDWARE - REFER TO SECURITY DRAWINGS	
E100B	3' - 4"	6' - 8 1/4"	AL/GL	<By Category>					EXISTING DOORS GETTING NEW SECURITY AND EMERGENCY EGRESS HARDWARE - REFER TO SECURITY DRAWINGS	
E102A	3' - 6"	7' - 0"		EXISTING					EXISTING DOORS GETTING NEW SECURITY AND EMERGENCY EGRESS HARDWARE - REFER TO SECURITY DRAWINGS	
E103	3' - 0"	7' - 0"		EXISTING						
E104	3' - 0"	7' - 0"		EXISTING						
E105	3' - 0"	7' - 0"		EXISTING						
E106	3' - 0"	7' - 0"		EXISTING						
E107	3' - 0"	7' - 0"		EXISTING						
E108	3' - 0"	7' - 0"		EXISTING						
E109	3' - 0"	7' - 0"		EXISTING					EXISTING DOORS GETTING NEW SECURITY AND EMERGENCY EGRESS HARDWARE - REFER TO SECURITY DRAWINGS	
E111	2' - 6"	7' - 0"	WD	EXISTING						
<b>LVL 02</b>										
200A	2' - 6"	7' - 0"		WDV-01	WD	WDV-01	FLUSH	-		
201	3' - 0"	7' - 0"	HM	PAINT	HM	PAINT	FLUSH	60	EMERGENCY EGRESS HARDWARE	
202	3' - 0"	8' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-		
203	2' - 8"	7' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-		
204	3' - 0"	8' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-		
205A	3' - 0"	8' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-		
205B	3' - 0"	8' - 0"	WD	WDV-01			Barn Door			
207	6' - 0"	8' - 0"	WD	WDV-01	WD	WDV-01	DOUBLE DOOR FLUSH			
212	4' - 0"	8' - 0"	WD	WDV-01			Barn Door			
213	3' - 0"	8' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-		
214	3' - 0"	8' - 0"	WD	WDV-01			Barn Door			
216	2' - 10"	7' - 0"	HM	PAINT	WD	PAINT	FLUSH	60	EMERGENCY EGRESS HARDWARE	
217	2' - 4"	7' - 0"	WD	WDV-01	WD	WDV-01	FLUSH	-		
E208	2' - 6"	7' - 0"	WD	EXISTING						
E209	2' - 6"	7' - 0"	WD	EXISTING						
E219	5' - 2"	7' - 0"		EXISTING						
E220	6' - 0"	7' - 0"		EXISTING						

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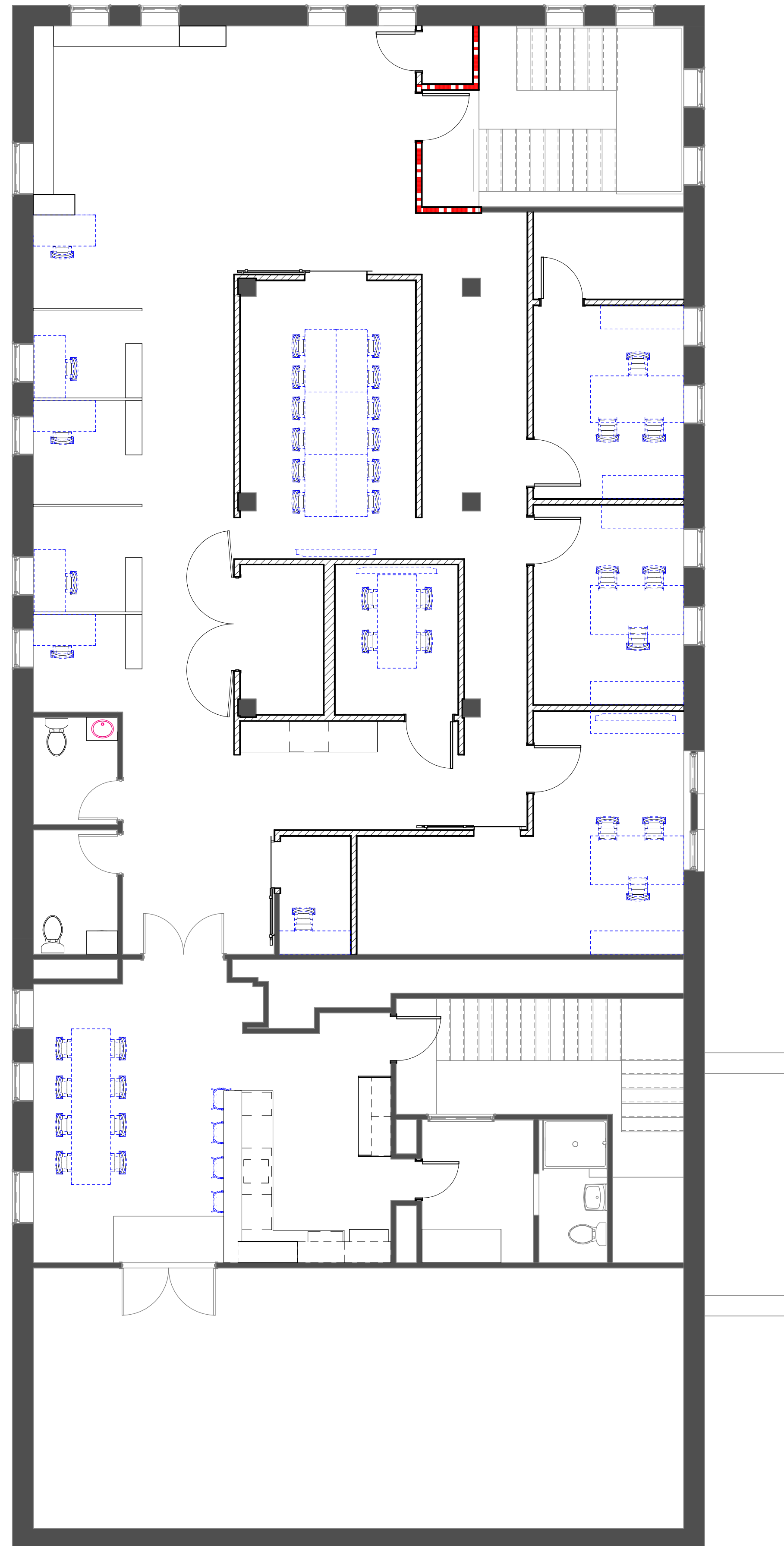
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**DOOR & WINDOW  
SCHEDULE &  
DETAILS**

PROJECT NORTH PROJECT No: 2407  
DWG No:



**A602**



GENERAL SHEET NOTES

A. FURNITURE SHOWN FOR REFERENCE ONLY

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Work**

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PROJECT VANGUARD OFFICES

2817 E GRAND BLVD  
DETROIT, MI 48211

**FURNITURE PLAN &  
SCHEDULE**

PROJECT NORTH PROJECT No: 2407  
DWG No:



**F101**

1 LVL 02 FURNITURE PLAN  
SCALE: 3/16" = 1'-0"








**MECHANICAL GENERAL NOTES**

NOTES APPLY TO ALL MECHANICAL DRAWINGS

- EACH CONTRACTOR SHALL VISIT CONSTRUCTION SITE PRIOR TO BIDDING. EXAMINE SCOPE AND CONDITIONS OF OTHER CONTRACT WORK. EXAMINE EXISTING CONDITIONS AND ALL INTERFERENCES AND REQUIRED COORDINATION IN ORDER TO INCLUDE EFFECT OF SAID CONDITIONS IN THEIR BID. BID DRAWING ARE DIAGRAMMATIC AND DO NOT INDICATE ALL REQUIRED RELOCATIONS, OFFSETS, CHANGE IN ASPECT RATIOS, OR ROUTING CHANGES REQUIRED TO INTEGRATE WORK WITH ALL OTHER CONDITIONS OR TRADES. WORK INSTALLED BEFORE COORDINATING SO AS TO CAUSE INTERFERENCES WITH OTHER TRADES SHALL BE REMOVED AND REWORKED WITHOUT COST TO OWNER. COST OF PROVIDING SUCH RELOCATIONS, OFFSETS, SIZE, CHANGES, REROUTING, ETC. SHALL BE INCLUDED IN BID.
- ALL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH BUILDING STANDARDS. ALL APPLICABLE CODES AND PER MANUFACTURER'S RECOMMENDATIONS.
- BUILDING PLANS SHOWN ARE COMPILED FROM SOURCES BELIEVED TO BE ACCURATE. HOWEVER, THE INFORMATION SHOWN ON THESE PLANS IS SCHEMATIC AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROPER DIMENSIONS, SIZES, SYSTEM VOLTAGES, QUANTITIES, AND EXTENT OF WORK.
- WITH THE APPROVAL OF THE ARCHITECT AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE MODIFICATIONS IN THE WORK INCLUDING REROUTING AS REQUIRED BY INTERFERENCE WITH STRUCTURAL, GENERAL AND WORK OF OTHER TRADES FOR PROPER EXECUTION OF THE WORK.
- REFER TO THE ARCHITECTURAL DRAWINGS, FIELD CONDITIONS AND DETAILS FOR EXACT LOCATION OF PARTITIONS, RCP, DIMENSIONED ELEMENTS. CONTRACTOR TO COORDINATE THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE LOCATIONS OF LIGHT FIXTURES, PIPING, CONDUIT, AND OTHER CONSTRUCTION, TO ALLOW FOR PROPER ACCESS TO SERVICE EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF WALLS WHICH EXTEND TO STRUCTURE. EACH HVAC DUCT OR PIPE PENETRATION THRU THESE WALLS SHALL BE INSTALLED AS DETAILED. WHERE FLEXIBLE DUCT WOULD PENETRATE A WALL WHICH EXTENDS TO STRUCTURE, PROVIDE INSULATED RIGID DUCT EXTENDING 12 INCHES ON EITHER SIDE OF THE PARTITION
- COORDINATE THE LOCATION OF DUCTWORK AND PIPING WITH OTHER TRADES AND PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED.
- IT IS THE INTENT OF THESE DOCUMENTS TO ALLOW ALL CEILING CONSTRUCTION AND HEIGHTS TO BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS. COORDINATE THE LOCATION OF DUCTWORK AND PIPING AND PROVIDE OFFSETS IN DUCTWORK AND PIPING AS REQUIRED TO MEET THIS INTENT.
- CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM. CUTTING AND PATCHING FOR THEIR WORK SHALL BE PERFORMED BY EACH TRADE CONTRACTOR UNLESS NOTED OTHERWISE.
- ARCHITECT SHALL HAVE FINAL APPROVAL OF ALL GRILLE, DIFFUSER, AND THERMOSTAT LOCATIONS. CONTRACTOR TO VERIFY AND COORDINATE WITH ARCHITECT TYPE OF CEILING TO DETERMINE DIFFUSER FRAME TYPE.
- PROVIDE MANUAL DAMPER ON ALL LOW PRESSURE SUPPLY BRANCH TAKE-OFF OF DUCTWORK.
- ALL DUCT SIZES SHOWN SHALL BE CLEAR INSIDE DIMENSIONS.
- CONDUIT, PIPING, AND DUCTWORK SHALL BE INDEPENDENTLY SUPPORTED, AND EACH SUPPORT SHALL BE INDEPENDENT OF PARTITION AND CEILING SYSTEM SUPPORTS.
- ALL EXHAUST AND SUPPLY LOUVERS SHALL BE NO CLOSER THAN 15'-0".
- ALL NEW PENETRATIONS SHALL CONFORM TO LOCAL JURISDICTION. CAULK ALL PENETRATIONS WITH FIRE RATING TO MATCH EXISTING WALL OR FLOOR. FINAL APPROVAL EXTERIOR GRATE BY OTHERS.
- COORDINATE ALL WALL MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS.
- REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR COORDINATION OF FIRE DAMPERS. THE DESIGN INTENT IS TO PROVIDE THE INDICATED DAMPERS IN ACCORDANCE WITH REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND 2019 CHICAGO BUILDING CODE. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL LIFE SAFETY DAMPERS, INCLUDING FIRE ALARM CONTROL WIRING AND MONITORING REQUIRED BY THE IBC AND LOCAL ORDINANCES AND CODE INTERPRETATIONS.
- ANY DEVIATIONS FROM SCHEDULED EQUIPMENT RESULTING IN ADDITIONAL COST DUE TO THE LACK OF COORDINATION WITH DIMENSIONS AND WEIGHTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL WORK SHALL BE SCHEDULED AND PERFORMED IN STRICT COORDINATION WITH ARCHITECTURAL PHASING PLANS AND WORK.
- PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO PREVENT DISRUPTING ADJACENT AREAS OF THE PHASE IN WHICH WORK IS BEING PERFORMED
- ALL COPPER TUBING MAY BE TYPE ACR OR TYPE K UNLESS THE PRESSURE EXCEEDS THE RATED CAPACITY OF ACR TUBING. ALL CONNECTIONS AND DEVICES TO BE BRAZED.
- PROVIDE PLENUM MOUNTED HUMIDIFIER FOR THE FURNACE COMPLETE WITH WATER CONNECTION, DRAIN PIPE AND FLOAT CONTROL.
- PROVIDE COMPLETE GAS-FIRED FURNACE SYSTEMS INCLUDING D-X COILS, CONDENSING UNITS, PLENUMS, HUMIDIFIERS, FILTERS, DUCTWORK, REGISTERS AND TEMPERATURE CONTROL SYSTEM.
25. PROVIDE NEW GAS PIPING AND CONNECTION TO ALL GAS-FIRED EQUIPMENT WITH SHUT-OFF VALVE. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE.

ABBREVIATIONS	
SYMBOL	DESCRIPTION
CFM	CUBIC FEET PER MINUTE
CFM	CUBIC FEET PER MINUTE
EA	EXHAUST AIR
RA	RETURN AIR
EF	EXHAUST FAN
T	THERMOSTAT
TEF	TOILET EXHAUST FAN
FE	FLUE EXHAUST
CI	COMBUSTION AIR INTAKE

**MECHANICAL SYMBOLS**

- S  CEILING SUPPLY
- S  FLOOR SUPPLY
- R  CEILING RETURN
- E  RECTANGULAR EXHAUST
- E  ROUND EXHAUST

2021 IMC VENTILATION SCHEDULE												
ROOM NUMBER	SPACE NAME	AZ FLOOR AREA (FT²)	OCCUPANCY CATEGORY	OCCUPANT DENSITY (#/1000 FT²)	RP PEOPLE OA RATE (CFM/PPPL)	RA AREA OA RATE (CFM/FT²)	#OF PEOPLE PER CODE	PEOPLE OUTDOOR AIRFLOW (CFM)	AREA OUTDOOR AIRFLOW (cfm)	E <sub>z</sub> ZONE AIR DISTRUBUTION EFFECTIVENESS	V <sub>oz</sub> ZONE OUTDOOR AIRFLOW (CFM)	CODE REQUIRED EXHAUST AIRFLOW CFM
200	ARRIVAL	270	MAIN ENTRY LOBBY	10	5	0.06	3	14	16	0.8	37	
201	EXISTING STAIRS	155		30	5	0.06	5	23	9	0.8	41	
202	CFO OFFICE	120	OFFICE	5	5	0.06	1	3	7	0.8	13	
203	CFO STORAGE	55	STORAGE ROOM			0.12			7	0.8	8	
204	COO OFFICE	120	OFFICE	5	5	0.06	1	3	7	0.8	13	
205	CEO OFFICE	205	OFFICE	5	5	0.06	1	5	12	0.8	22	
207	MECH ROOM	100	STORAGE ROOM			0.12			12	0.8	15	
208	GNR 02	45	TOILET ROOMS									50
209	GNR 01	40	TOILET ROOMS									50
210	WORKSTATION	225	OFFICE	5	5	0.06	1	6	14	0.8	24	
211	LIBRARY	140	LIBRARY	10	5	0.06	1	7	8	0.8	19	
212	CONFERENCE ROOM	240	CONFERENCE ROOM	50	5	0.06	12	60	14	0.8	93	
213	FLEX OFFICE	100	CONFERENCE ROOM	50	5	0.06	5	25	6	0.8	39	
214	PHONE ROOM	45	TELEPHONE DATA ENTRY	60	5	0.06	3	14	3	0.8	20	
216	EXISTING STAIRS	185				0.12						
217	GNR	75	TOILET ROOMS									50
218	BREAK ROOM	145	BREAK ROOM	25	5	0.06	4	18	9	0.8	31	
219	FLEX ZONE	260	MEETING	50	5	0.06	13	65	16	0.8	97	

ENERGY RECOVERY WHEELS																								
TAG	NO	LOCATION	SERVICE	CFM	SUPPLY AIR PRESSURE DROP (inWC)	EXHAUST AIR PRESSURE DROP (inWC)	OUTSIDE AIR				SUPPLY AIR				RETURN AIR				ELECTRICAL DATA			WEIGHT (LBS)	MANUFACTURER	MODEL
							SUMMER DBWB TEMP (°F)	WINTER DBWB TEMP (°F)	SUMMER DBWB TEMP (°F)	WINTER DBWB TEMP (°F)	SUMMER DBWB TEMP (°F)	WINTER DBWB TEMP (°F)	SUMMER DBWB TEMP (°F)	WINTER DBWB TEMP (°F)	TOTAL WHEEL EFF. SUMMER (%)	TOTAL WHEEL EFF. WINTER (%)	MCA	MOCP	V/PHHZ					
ERV	1	LVL 02	LVL 02	560	0.5	0.5	90.7734	00	83.2669	31.5079	75.9244	72.557	61.6	76.1	11.1	15	208/1/50	213	RENEWAIRE	HE10N				

EXHAUST FAN SCHEDULE																
TAG	ABBR.	#	LOCATION	FAN TYPE	QTY	CFM	DUCT SIZE (IN)	RPM	ELECTRICAL DATA				UNIT WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
									AMPS	VOLTS	PH	HZ				
TEF		1	BATHROOM	CEILING MOUNTED -DIRECT DRIVE	1	50	6"	800	0.1	115	1	60	10	PANASONIC	FV-0511VK2	1,2,3

1 PROVIDE ELECTRICAL DISCONNECT.  
2 PROVIDE GRILLE EXHAUST FAN WITH VARIABLE SPEED MOTOR

FURNACE SCHEDULE																									
EQUIPMENT TAG	LOCATION	AREA SERVED	SYSTEM TYPE	MANUFACTURER	MODEL	UNIT WEIGHT (LBS)	DIMENSIONS (IN)			FAN				COOLING			HEATING				ELECTRICAL				
							HEIGHT	DEPTH	WIDTH	CFM	DRIVE	HP	RPM	MBH	E.S.P. (IN)	AFUE	INPUT (BTU/HR)	OUTPUT	STAGES	ΔT	E.S.P. (IN)	BREAKER SIZE	AMPS	PHASE	VOLTS
(E)F-1	SEE PLANS	SEE PLANS	NATURAL GAS	GOODMAN	GKS90904CXAG	158	35"	30"	17.5"	1500	1	1/2	300 - 1300	48	0.5	96%	92,000	86,000	ONE	35-65	0.5	15	13.8	1	115
F-2	SEE PLANS	SEE PLANS	NATURAL GAS	CARRIER	59TNSA060V17-14	150	35"	30"	17.5"	1100	1	1/2	300 - 1300	36	0.5	96%	60,000	58,000	TWO	35-65	0.5	15	12.7	1	115

CONDENSING UNIT SCHEDULE																						
EQUIPMENT TAG	LOCATION	UNIT SERVED	MANUFACTURER	MODEL	SEER	EER	UNIT WEIGHT (LBS)	DIMENSIONS (IN)			COMPRESSOR			COOLING			ELECTRICAL					
								HEIGHT	DEPTH	WIDTH	QUANTITY	TYPE	REFRIGERANT TYPE	HP	RPM	TONS	INDOOR EAT (°F)	OUTDOOR EAT (°F)	MCA	PHASE	BREAKER SIZE	VOLTS
CU-1	ROOF	F-1	GOODMAN	GSXN3N4810	13.5	13	222	35 3/16"	35 3/16"	35 3/16"	1	SINGLE STAGE SCROLL	R410A	0.50	800	4	80/67	95	25	1	40	208
CU-2	ROOF	F-2	CARRIER	24ACB36	16.5	13	222	35 3/16"	31 3/16"	31 3/16"	1	ULTRATECH 2-STAGE SCROLL	PURON R410A	0.20	800	3	80/67	95	22	1	35	208

DIFFUSER SCHEDULE									
TAG	TYPE	FRAME MOUNTING	FRAME SIZE	NECK SIZE	DAMPER	SLOT	MANUFACTURER	MODEL	REMARKS
SD-1	SUPPLY	CEILING MOUNTED	24" X 24"	8"	-	-	TITUS	OMNI	1,2
SD-2	SUPPLY	CEILING MOUNTED	24" X 24"	8"	-	-	TITUS	OMNI	1,2
RD-2	RETURN	CEILING MOUNTED	24" X 24"	22" X 22"	-	-	TITUS	PAS	1,2
SG-1	SUPPLY	DUCT MOUNTED	8" X 8"	8" X 8"	OBD	-	TITUS	300RL	1,2
RG-1	RETURN	DUCT MOUNTED	16" X 12"	16" X 12"	OBD	-	TITUS	350RL	1,2
RG-2	RETURN	DUCT MOUNTED	12" X 12"	16" X 12"	OBD	-	TITUS	350RL	1,2
LD-1	SUPPLY	CEILING MOUNTED	48" X 3"	8"	-	1	TITUS	ML-39	1,2,3
LR-2	EXHAUST	CEILING MOUNTED	48" X 3"	-	-	1	TITUS	MLR-39	1,2

1 ARCHITECT TO SPECIFY FINISH, COLOR AND FINAL CEILING LOCATIONS  
2 SEE DRAWING FOR SIZES AND AIRFLOWS  
3 PROVIDE WITH PATTERN CONTROLLER

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ISSUED FOR	REV	DATE
CONSTRUCTION DOCUMENT		08NOV2024



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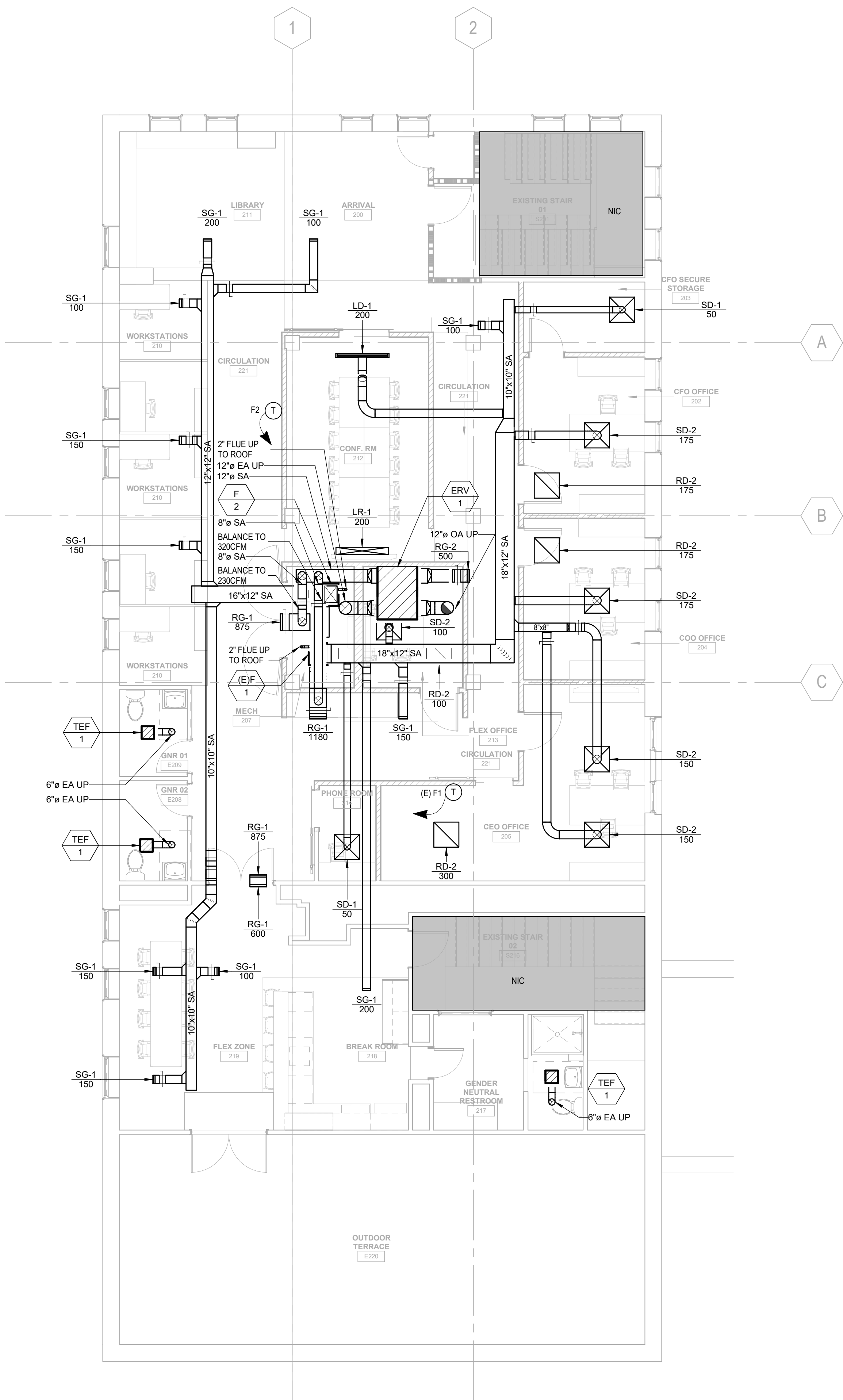
**MECHANICAL LEGEND AND GENERAL NOTES**

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DWG No:

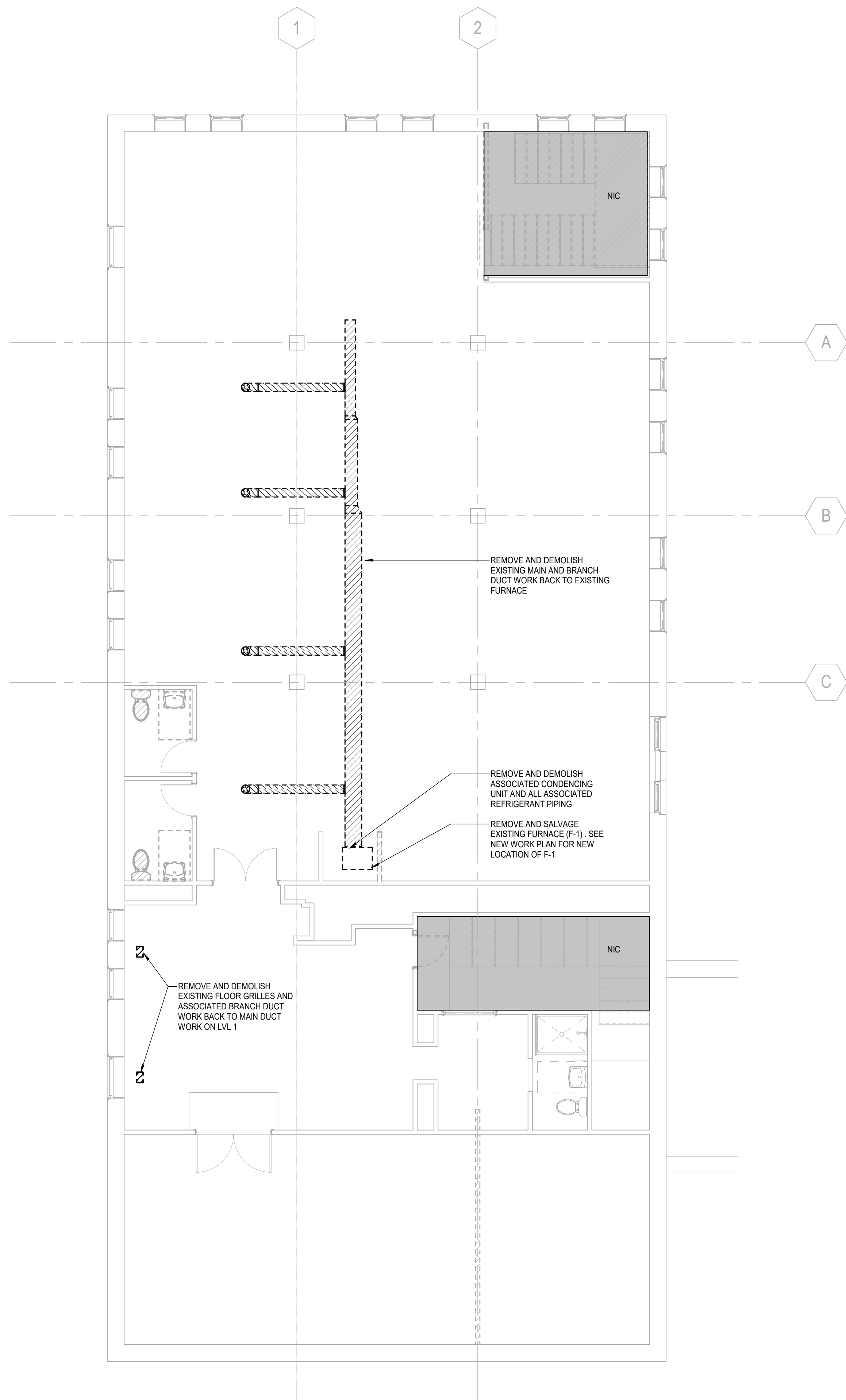


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2 LVL 02 FLOOR PLAN  
 SCALE: 3/16" = 1'-0"



1 LVL 02 DEMOLITION FLOOR PLAN  
 SCALE: 3/16" = 1'-0"

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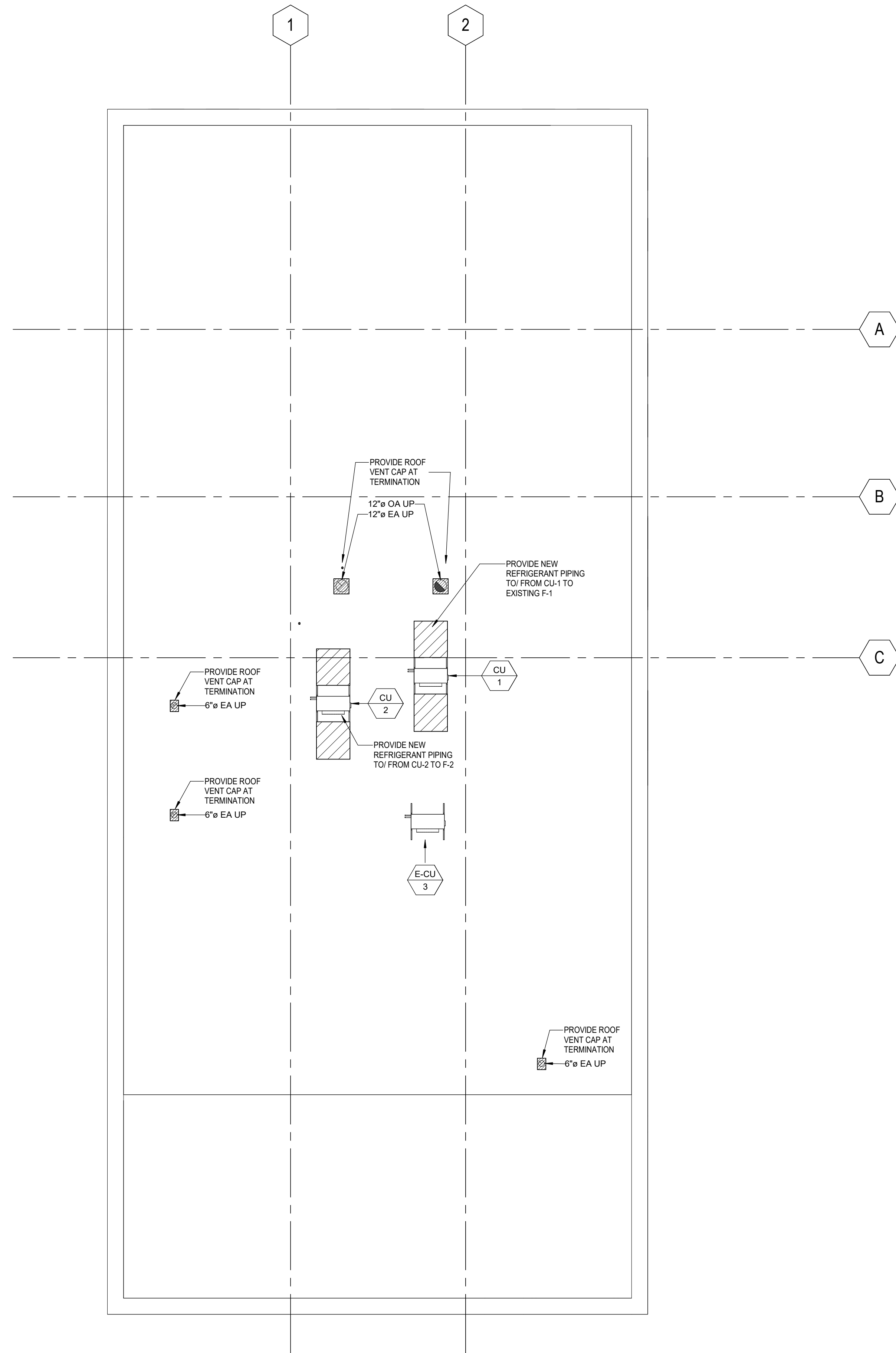
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**FLOOR PLANS**

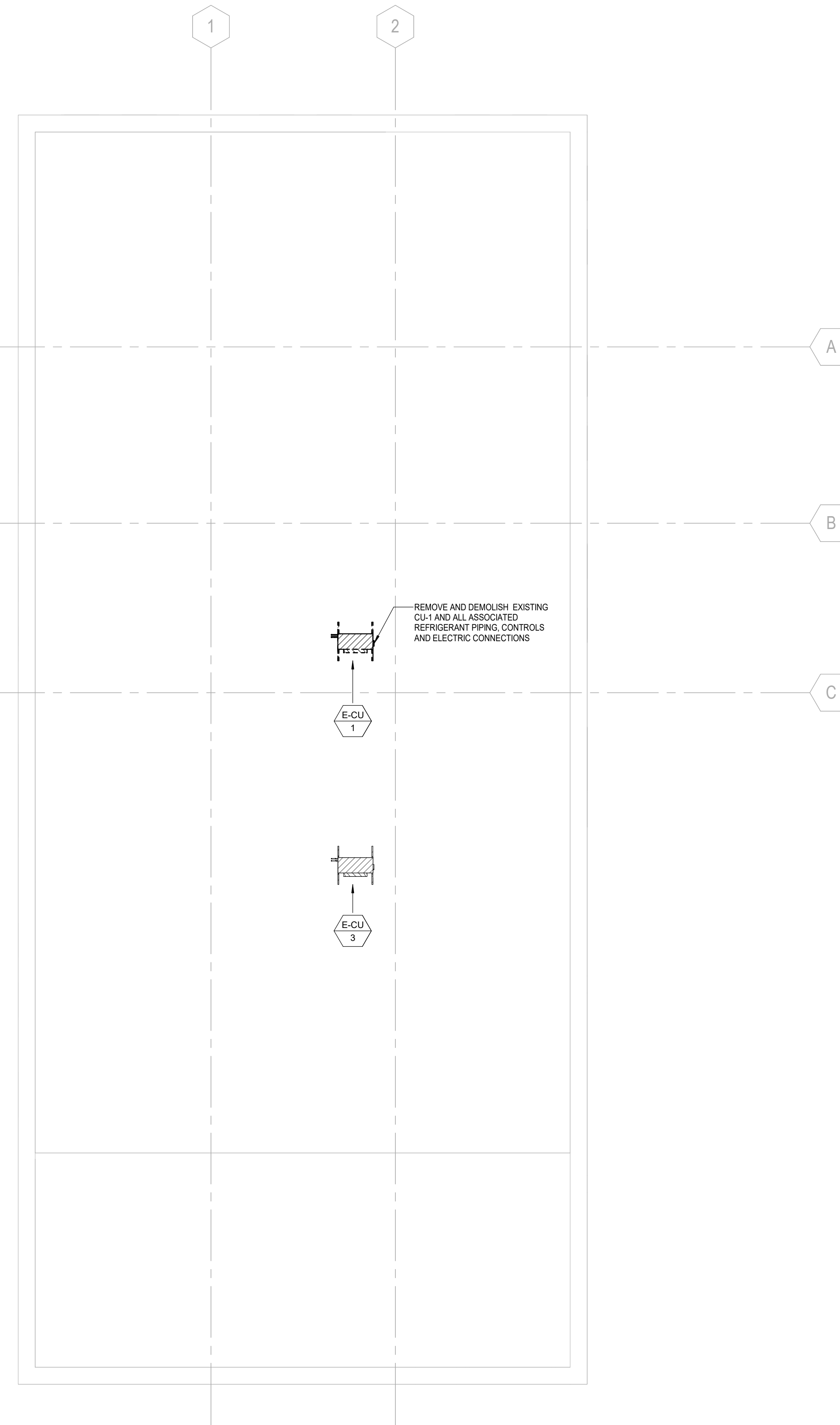
PROJECT NORTH PROJECT No: 2407  
 DWG No:







1 ROOF  
SCALE: 3/16" = 1'-0"



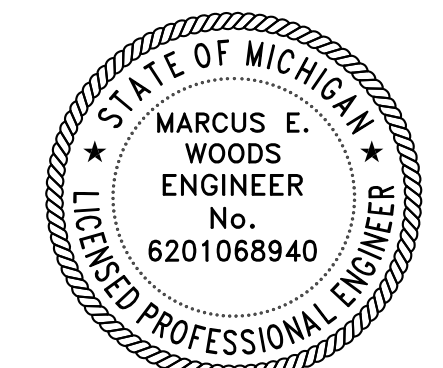
2 ROOF PLAN DEMO  
SCALE: 3/16" = 1'-0"

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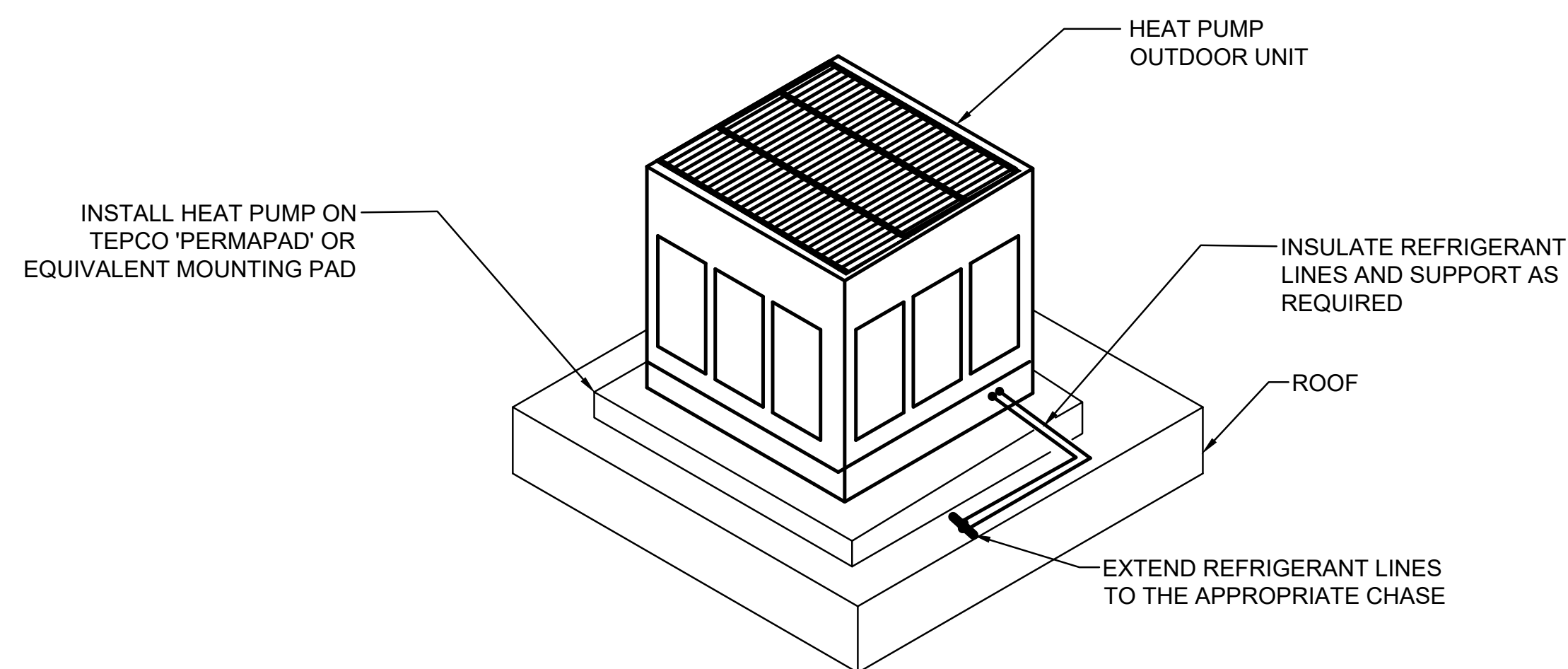
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**ROOF PLANS**

PROJECT NORTH PROJECT No: 2407  
DWG No:



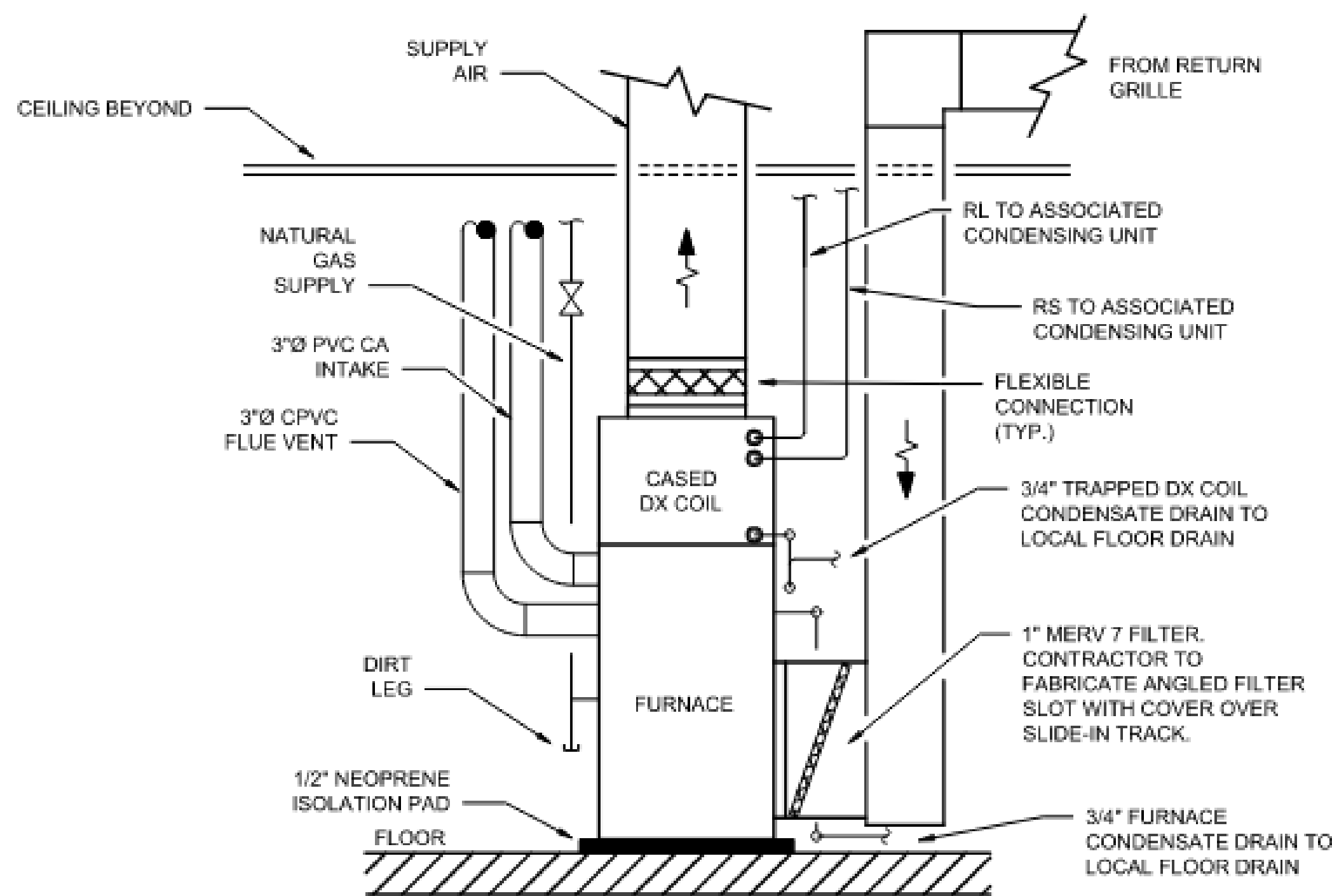
**M102**



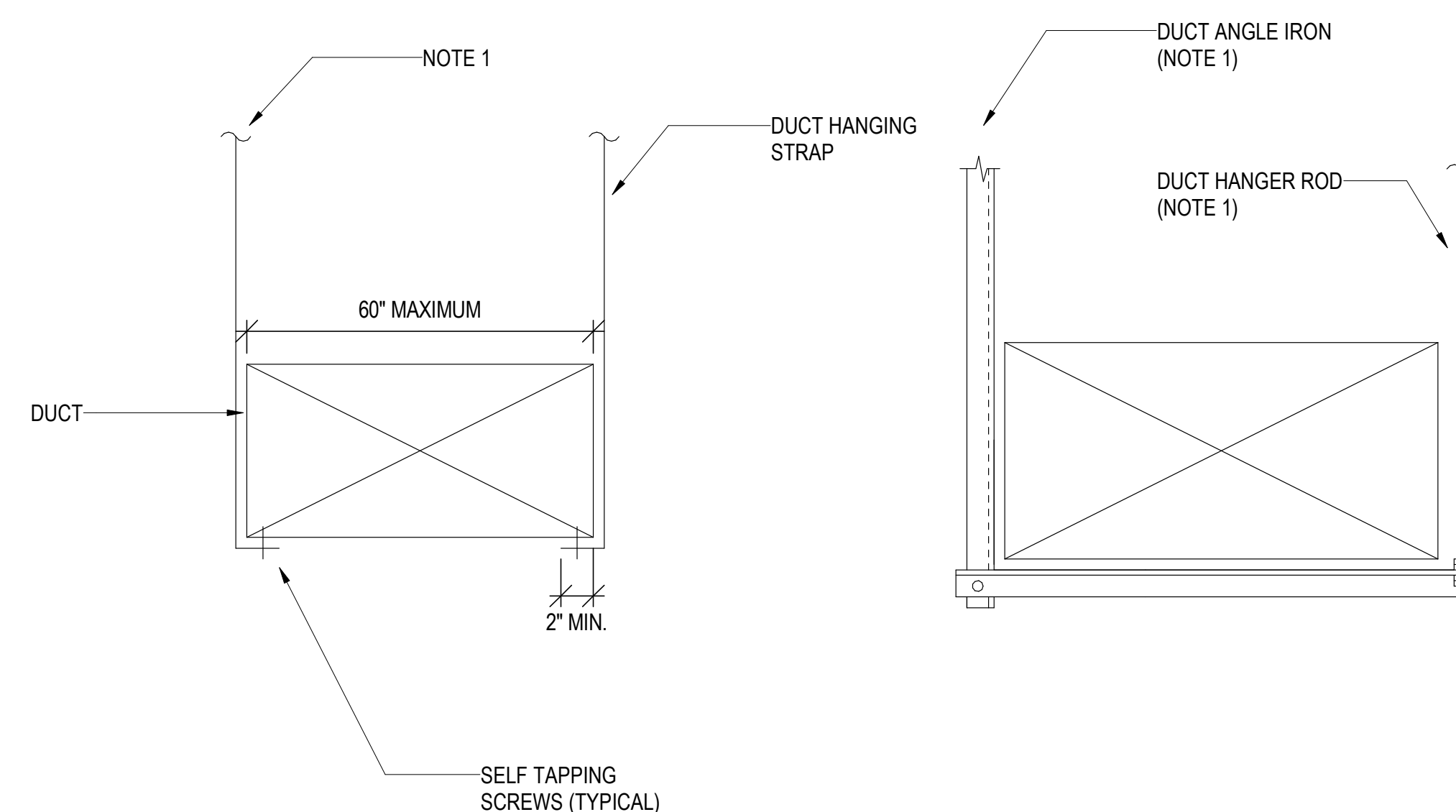
**NOTE:**

IT IS THE INTENT OF THIS DETAIL THAT THE CONTRACTOR PROPERLY INSTALL THE OUTDOOR UNIT TO COMPLY WITH ALL SEISMIC DESIGN CONSTRAINTS OF THE IBC AND ASCE 7-05.

**3 CONDENSING UNIT DETAIL**  
NTS



**4 FLOOR MOUNTED FURNACE DETAIL**  
NTS



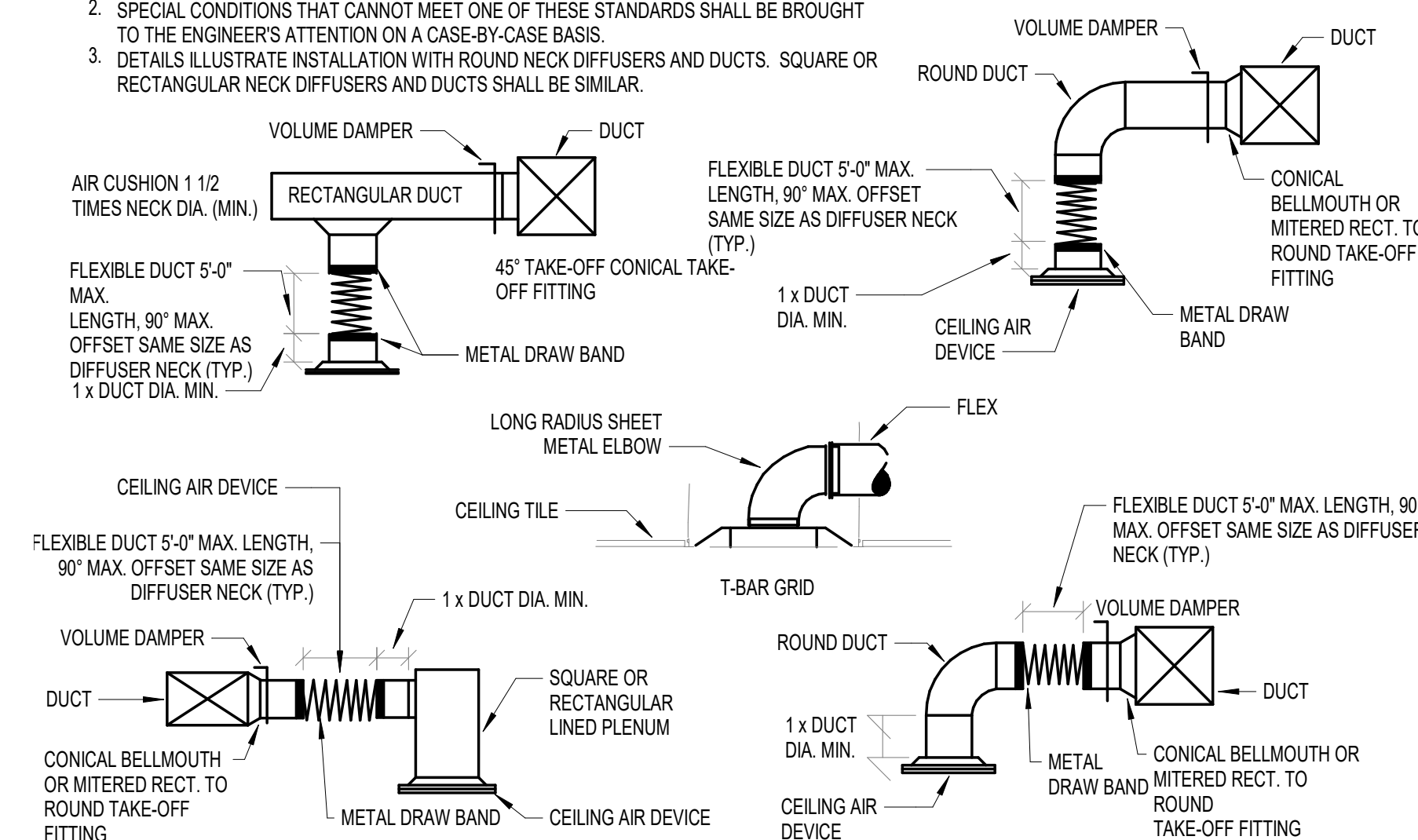
**NOTES:**

1. FOR HANGER SIZE AND SPACING, REFER TO CURRENT SMACNA HVAC DUCT CONSTRUCTION STANDARDS TABLE 5-1.
2. FOR UPPER ATTACHMENT TO BUILDING, SEE SMACNA HVAC DUCT CONSTRUCTION STANDARDS FIGURES 5-1 AND 5-2. OBTAIN SPECIFIC BUILDING STRUCTURAL ENGINEER APPROVAL FOR ALL METHODS OF ATTACHMENT.
3. FOR BRACING AND OTHER SEISMIC REQUIREMENTS, REFER TO GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS PUBLISHED BY SMACNA.
4. CONTRACTOR SHALL SUBMIT ALL DUCT HANGER, SUPPORT AND SEISMIC DETAILS FOR REVIEW BY ENGINEER.

**1 RECTANGULAR DUCT SUPPORT**  
NTS

**NOTES:**

1. SPIN COLLARS SHALL NOT BE PERMITTED.
2. SPECIAL CONDITIONS THAT CANNOT MEET ONE OF THESE STANDARDS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION ON A CASE-BY-CASE BASIS.
3. DETAILS ILLUSTRATE INSTALLATION WITH ROUND NECK DIFFUSERS AND DUCTS. SQUARE OR RECTANGULAR NECK DIFFUSERS AND DUCTS SHALL BE SIMILAR.



**2 TYPICAL AIR SERVICE DEVICE INSTALLATION**  
NTS

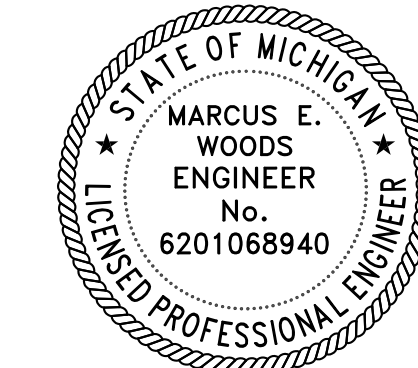
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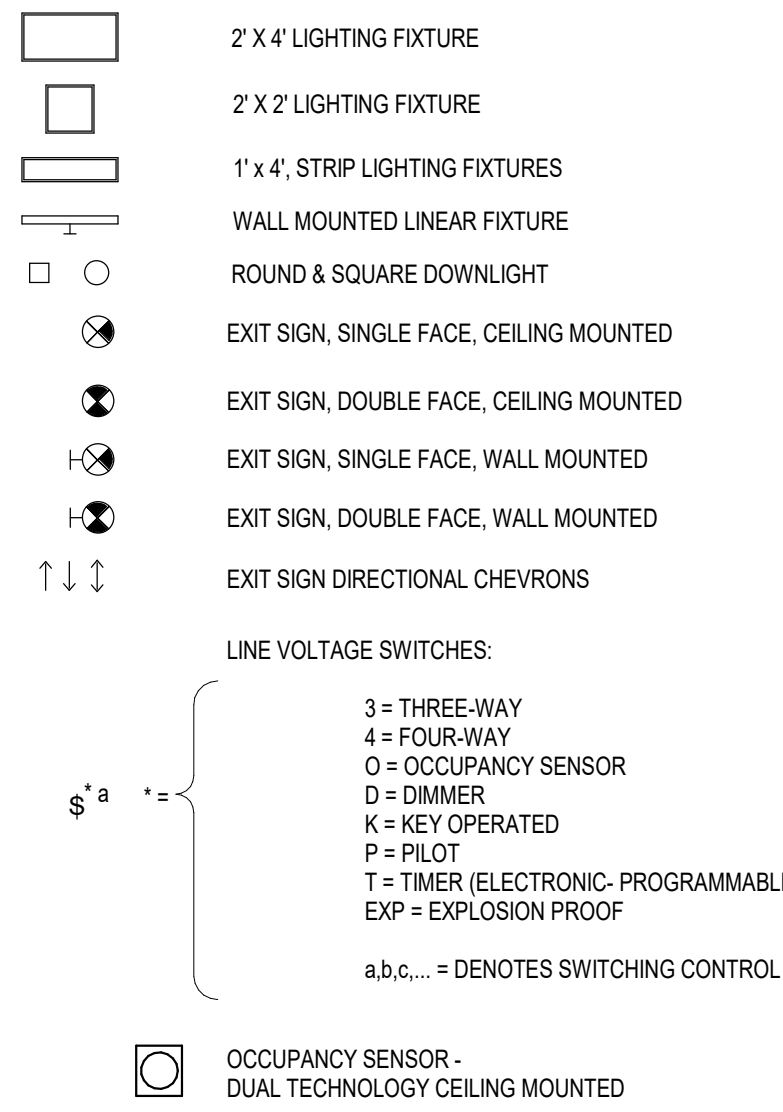
**MECHANICAL  
DETAILS**

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DWG No:

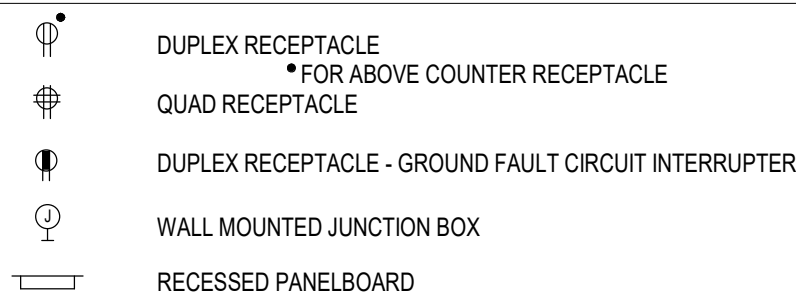




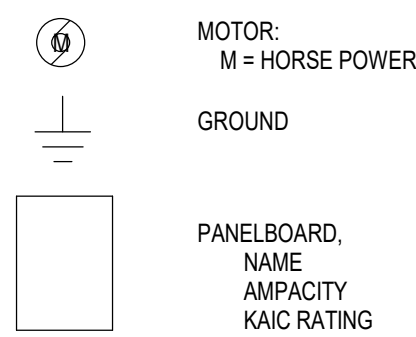
## LIGHTING



## PLAN VIEW



## ONE-LINE AND RISER



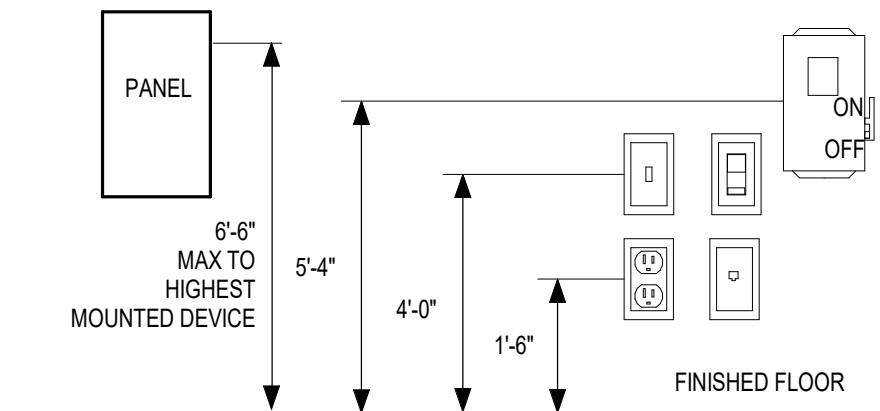
## ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
A, AMP	AMPERES	LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND LIGHTING
AC	ALTERNATING CURRENT	LTG	LIGHTING
AF	AMPERE FRAME	mA	MILLIAMPS
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MCA	MINIMUM CIRCUIT AMPACITY
AIC	AMPERES INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
AL	ALUMINUM	MCC	MOTOR CONTROL CENTER
ARCH	ARCHITECT, ARCHITECTURAL	MCP	MOTOR CIRCUIT PROTECTOR
ARF	ABOVE RAISED FLOOR	MECH	MECHANICAL
AT	AMPERE TRIP	MFAP	MAIN FIRE DETECTION & ALARM PANEL
ATS	AUTOMATIC TRANSFER SWITCH	MFR	MANUFACTURER
AUX	AUXILIARY	MIN	MINIMUM
AV	AUDIO VISUAL	MLO	MAIN LUGS ONLY
AWG	AMERICAN WIRE GAUGE	MTD	MOUNTED
BAS	BUILDING AUTOMATION SYSTEM	MVA	MEGA VOLT AMPERES
BC	BARE COPPER	MW	MEGA WATTS
BKR	BREAKER	N, NEU	NEUTRAL
BLDG	BUILDING	NC	NORMALLY CLOSED
CB	CONDUIT	NEC	NATIONAL ELECTRIC CODE
C	CIRCUIT BREAKER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CCTV	CLOSED CIRCUIT TELEVISION	NF	NON-FUSED
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NORMALLY OPEN
CMH	COMMUNICATIONS MANHOLE	NTS	NOT TO SCALE
COAX	COAXIAL CABLE	OC	ON CENTER
CONT	CONTINUATION	OCPO	OVERCURRENT PROTECTIVE DEVICE
COORD	COORDINATION/COORDINATE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CPT	CONTROL POWER TRANSFORMER	OFI	OWNER FURNISHED, OWNER INSTALLED
CT	CURRENT TRANSFORMER	OH	OVERHEAD
CU	COPPER	OL	OVERLOAD
DATA COM	DATA AND/OR COMMUNICATION	P	POLE
DB	DUCT BANK	PA	PUBLIC ADDRESS
DC	DIRECT CURRENT	PB	PULL BOX, PUSHBUTTON
DDC	DIRECT DIGITAL CONTROL	PC	PHOTOCELL
DDC	DIRECT DIGITAL CONTROL	PDU	POWER DISTRIBUTION UNIT
DEMOL	DEMOLITION	PF	POWER FACTOR
DIA	DIAMETER	PH	PHASE
DIV	DIVISION	PIR	PASSIVE INFRARED
DPDT	DOUBLE POLE, DOUBLE THROW	PIV	POST INDICATOR VALVE
DPST	DOUBLE POLE, SINGLE THROW	PLBG	PLUMBING
DWG	DRAWING	PMH	POWER MANHOLE
E.O.	ELECTRICALLY OPERATED	PNL	PANELBOARD
EA	EACH	QTY	QUANTITY
EDF	ELECTRIC DRINKING FOUNTAIN	RCPT	RECEPTACLE
EG	EQUIPMENT GROUND	RE	REFER TO, REGARDING, REFERENCE
ELS	EMERGENCY LIFE SAFETY	RM	ROOM
EM	EMERGENCY	RMS	ROOT MEAN SQUARE
EMS	ENERGY MANAGEMENT SYSTEM	SCADA	SUPERVISORY CONTROL & DATA ACQUISITION
EPO	EMERGENCY POWER OFF	SCH	SCHEDULE
EXIST, EX, (E)	EXISTING	SPD	SURGE PROTECTION DEVICE
F	FUSE	SPDT	SINGLE POLE, DOUBLE THROW
FA	FIRE DETECTION AND ALARM SYSTEM	SPST	SINGLE POLE, SINGLE THROW
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SQ	SQUARE
FACP	FIRE ALARM CONTROL PANEL	SS	STAINLESS STEEL
FLA	FULL LOAD AMPS	STD	STANDARD
FLR	FLOOR	STP	SHIELD TWISTED PAIR
FO	FIBER OPTIC(S)	SW	SWITCH
FSD	FIRE SMOKE DAMPER	SWBD	SWITCHBOARD
FTL	FEED-THROUGH LUGS	SWGR	SWITCHGEAR
G, GND	GROUND	SYM	SYMMETRICAL
GEN	GENERATOR	SYNCH	SYNCHRONOUS
GFCI	GROUND FAULT CURRENT INTERRUPTER	TBD	TO BE DETERMINED
GFEP	GROUND FAULT EQUIPMENT PROTECTION	TELECOM	TELECOMMUNICATIONS
H	HOT	TYP	TYPICAL
ht	HANDHOLE	UG	UNDERGROUND
HH	HARMONIC MITIGATING TRANSFORMER	UH	UNIT HEATER
HMT	HAND OFF AUTOMATIC	UL	UNDERWRITERS LABORATORY
HOA	HORSEPOWER	UON	UNLESS OTHERWISE NOTED
HP	HEATING, VENTILATION, AND AIR CONDITIONING	UPS	UNINTERRUPTIBLE POWER SUPPLY
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	UTIL	UTILITY
IO	INPUT/OUTPUT	UTP	UNSHIELDED TWISTED PAIR
IG	ISOLATED GROUND	V	VOLTS
IT	INFORMATION TECHNOLOGY	VA	VOLT AMPERES
JB	JUNCTION BOX	VAC	VOLTS ALTERNATING CURRENT
K	KILO, THOUSAND	VDC	VOLTS DIRECT CURRENT
KA	KILOAMPERES	VFD	VARIABLE FREQUENCY DRIVE
KAIC	THOUSAND AMPERES INTERRUPTING CAPACITY	VT	VOLTAGE TRANSFORMER
KCMIL	THOUSAND CIRCULAR MILS	W	WIRE, WATTS
KV	KILOVOLT	W/	WITH
KVA	KILOVOLT AMPERES	WG	WIRE GUARD
KW	KILOWATT	WP	WEATHERPROOF
KWH	KILOWATT-HOUR	XFMR	TRANSFORMER
LAN	LOCAL AREA NETWORK	Y	WYE
LC	LIGHTING CONTRACTOR	Y-Δ	WYE-DELTA
LCP	LIGHTING CONTROL PANEL	Z	IMPEDANCE
LED	LIGHT EMITTING DIODE		
LP	LIGHTNING PROTECTION		
LRA	LOCKED ROTOR AMPERES		
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS		

## GENERAL NOTES

- ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS.
- THE GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS UNDER THIS CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES.
- ALL ELECTRICAL WORK AND MATERIAL IS NEW, AND PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- THE CONTRACT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND NOT EVERY DETAIL OR EXACT LOCATION OF EQUIPMENT AND/OR CONDUIT IS SHOWN. VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO ORDERING ANY MATERIAL OR PERFORMING ANY WORK. NOTIFY THE ENGINEER OF ANY CONDITIONS OR DIMENSIONS WHICH WOULD AFFECT THE PERFORMANCE OF WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- UPPER CASE LETTER ADJACENT TO LIGHTING FIXTURE ANNOTATION INDICATES FIXTURE TYPE. LOWER CASE LETTER ADJACENT TO FIXTURE INDICATES CONTROL CIRCUIT. EACH SWITCH LOWER CASE CHARACTER INDICATES AN INDIVIDUAL SWITCH. TWO OR MORE CHARACTERS AT A LUMINAIRE INDICATES MULTI-LEVEL SWITCHING OF THE LUMINAIRE.
- THE FIRE ALARM SYSTEM SHALL BE A DELEGATED DESIGN. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE SERVICES OF A FIRM THAT IS REGISTERED WITH THE STATE FIRE MARSHAL'S OFFICE, AND HAVING ONE OR MORE FULL TIME EMPLOYEES DULY LICENSED TO PERFORM PLANNING, ENGINEERING, PROGRAMMING, INSPECTION AND TESTING SERVICES FOR FIRE ALARM SYSTEMS. THE DULY LICENSED EMPLOYEE SHALL HAVE DELEGATED RESPONSIBILITY FOR THE DESIGN AND ENGINEERING OF A FIRE PROTECTION COMPONENT OR SYSTEM. SHALL SIGN, SEAL AND DATE THE FIRE ALARM SYSTEM DOCUMENTS, AND PROVIDE THESE DOCUMENTS TO THE LOCAL FIRE MARSHAL AND/OR AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO INSTALLATION OF THE SYSTEM. THE FIRE ALARM DESIGN SHALL BE NFPA 72 CODE COMPLIANT AND SHALL MEET ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS, INCLUDING AMENDMENTS.
- COORDINATE WITH OTHER TRADES.
- PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE DOCUMENTED EVIDENCE TO THE ENGINEER AND OWNER THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH IECC FOR APPLICABLE CONTROL TYPE.
- DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF IECC SHALL BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF CERTIFICATE OF OCCUPANCY.
- GROUNDING OF RECEPTACLES AND FIXED ELECTRICAL EQUIPMENT IN PATIENT CARE AREAS: ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH AN EFFECTIVE GROUND FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM, OR A CABLE HAVING A METALLIC ARMOR ASSEMBLY. THE METALLIC RACEWAY SYSTEM OR METALLIC ARMORED CABLE SHALL ITSELF QUALIFY AS AN EQUIPMENT GROUNDING CONDUCTOR. THE FOLLOWING ITEMS SHALL BE DIRECTLY CONNECTED TO AN INSULATED ARMORED CABLE: (1) THE GROUNDING TERMINALS OF ALL RECEPTACLES, (2) METAL BOXES AND ENCLOSURES CONTAINING RECEPTACLES, (3) ALL NON-CURRENT CARRYING CONDUCTIVE SERVICES OF FIXED ELECTRICAL EQUIPMENT LIKELY TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING AT OVER 1000 VOLTS.

## ELECTRICAL DEVICE MOUNTING HEIGHT



NOTE: ELEVATION INDICATED ARE TYPICAL; SEE ARCH DWGS AND ELEVATIONS FOR SPECIFIC DEVICE MOUNTING HEIGHTS.

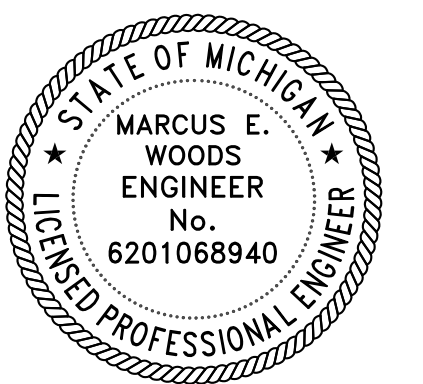
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CONSTRUCTION DOCUMENTS		06NOV2024

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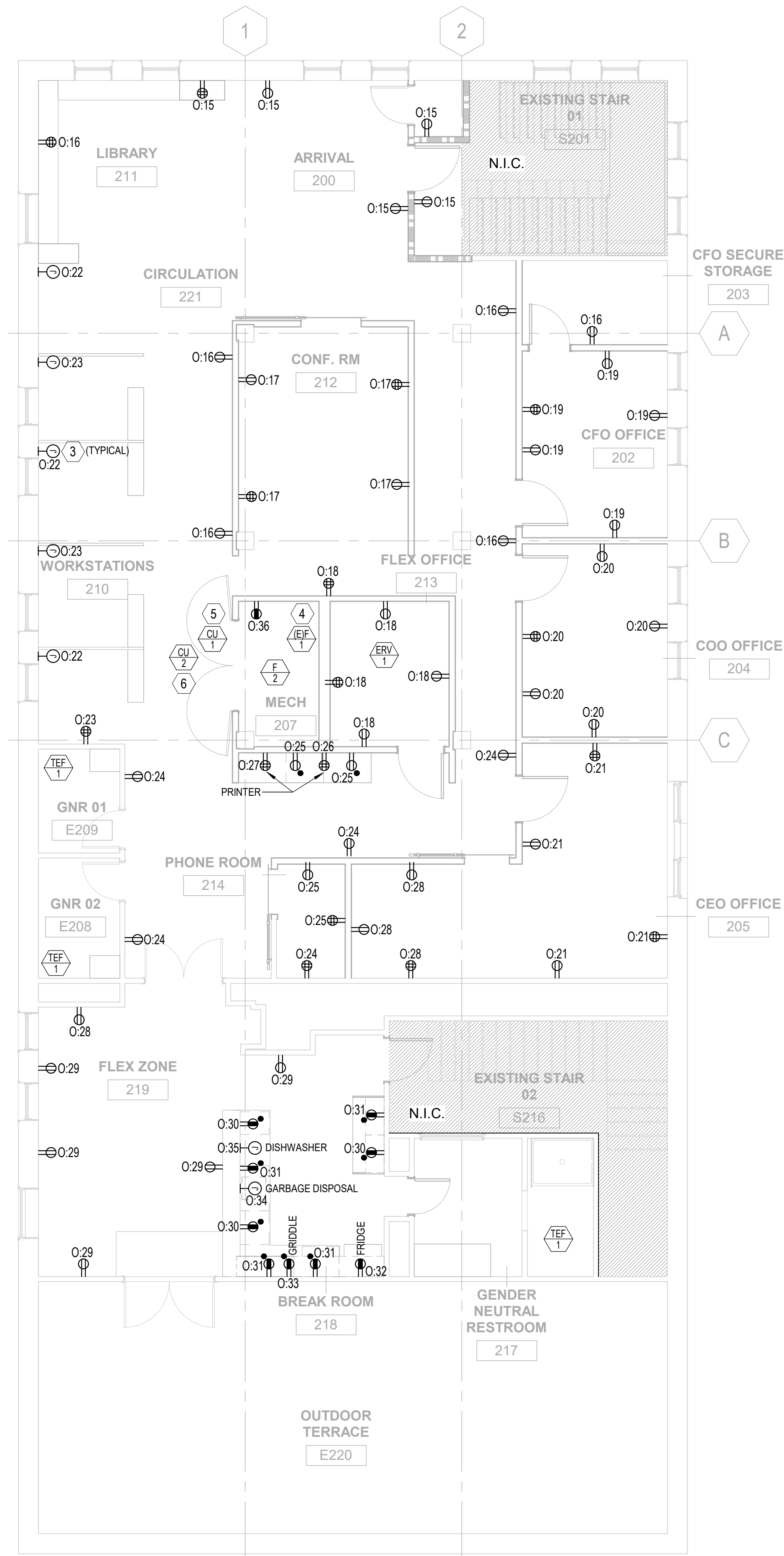
PROJECT VANGUARD OFFICES

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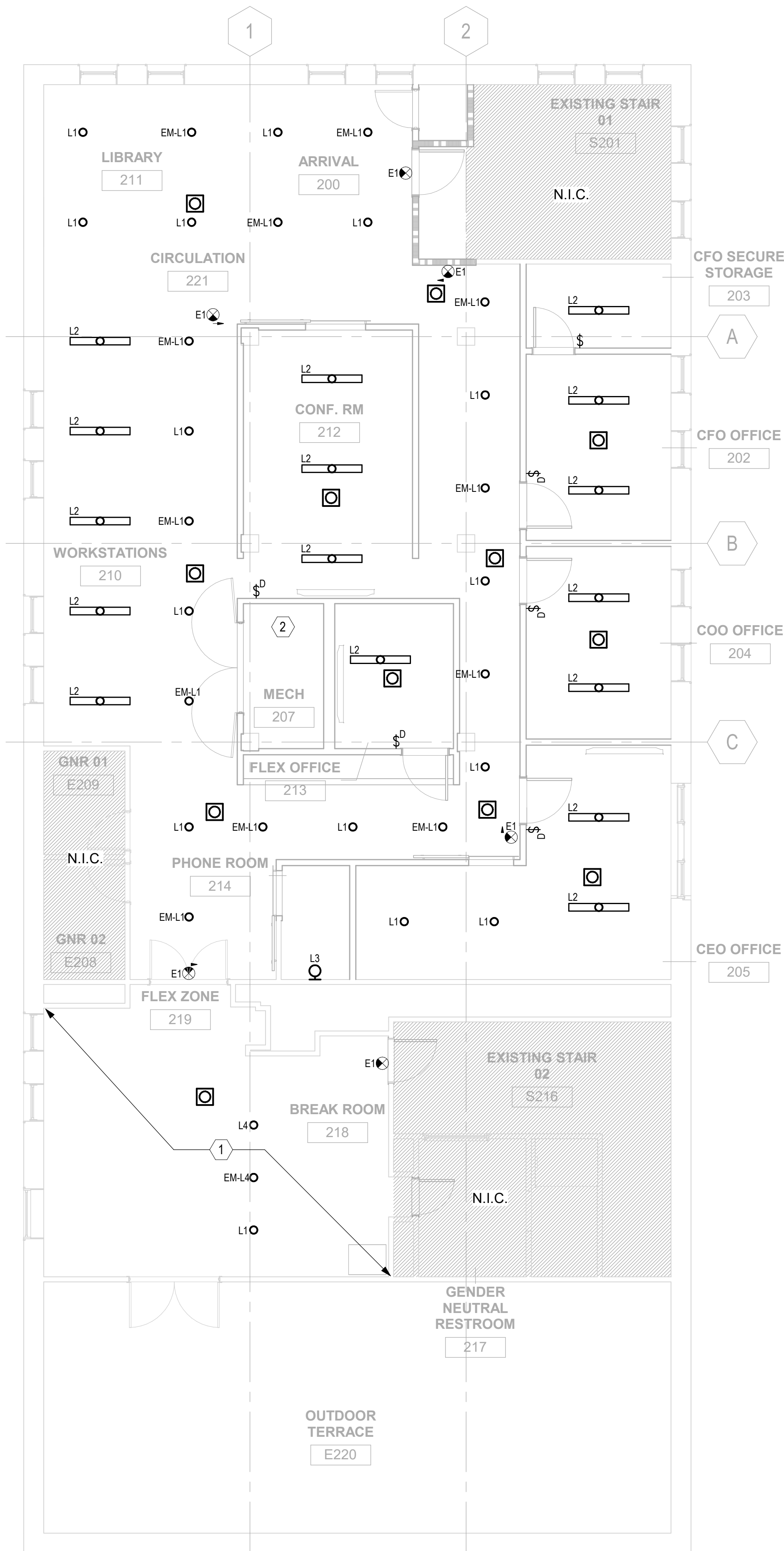
**ELECTRICAL  
LEGEND AND  
NOTES**

PROJECT NORTH PROJECT No: 2407  
DWG No:

**E001**



2 ELECTRICAL POWER PLAN - LVL 02  
SCALE: 3/16" = 1'-0"



1 ELECTRICAL LIGHTING PLAN - LVL 02  
SCALE: 3/16" = 1'-0"

**GENERAL NOTES**

- REFER TO DRAWING E001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING LUMINAIRE TYPE, MANUFACTURER, INSTALLATION REQUIREMENTS AND NOTES.
- CONTRACTOR TO PROVIDE 80+ CRI, 35K AND 120V LED LUMINAIRES IN COORDINATION WITH ARCHITECT.
- COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF ALL SWITCHES, SENSORS AND OTHER LIGHTING DEVICES WITH ARCHITECT, PRIOR TO INSTALLATION.
- COORDINATE LOCATION OF EACH SWITCH CONTROLLING EACH LUMINAIRE AND LUMINAIRE ZONES WITH ARCHITECT AND OWNER.
- FIELD COORDINATE FINAL LOCATION OF ALL EMERGENCY LIGHTING AND EXIT SIGNS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- ALL LIGHTING TO BE POWERED VIA PANEL 'O'. CIRCUIT 9. REFER TO PANEL SCHEDULE 'O' ON DRAWING E400 FOR ADDITIONAL INFORMATION REGARDING LIGHTING CIRCUIT BREAKER INFORMATION.
- COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF ALL RECEPTACLES AND DEVICES WITH ARCHITECT, PRIOR TO INSTALLATION.
- REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT INFORMATION. REFER TO EQUIPMENT POWER CONNECTION SCHEDULES ON DRAWING E400 FOR ADDITIONAL ELECTRICAL POWER CONNECTION INFORMATION. FIELD VERIFY ALL EQUIPMENT MEETS MANUFACTURER REQUIREMENTS PRIOR TO INSTALLATION.
- FIELD COORDINATE FINAL LOCATION OF ALL SMOKE AND CARBON MONOXIDE DETECTORS WITH OWNER AND ARCHITECT. PROVIDE HARD-WIRE POWER CONNECTION TO ALL SMOKE AND CARBON MONOXIDE DETECTORS VIA EXISTING PANEL 'O', CIRCUIT 11.
- FIELD COORDINATE FINAL LOCATION ALL THERMOSTATS WITH MECHANICAL DRAWINGS AND ARCHITECT. HARD-WIRE ALL THERMOSTATS TO PANEL 'O', CIRCUIT 11.
- REFER TO PANEL SCHEDULE 'O' ON DRAWING E400 FOR ADDITIONAL INFORMATION REGARDING CIRCUIT BREAKER INFORMATION.
- MOUNT ABOVE COUNTER KITCHEN RECEPTACLES AT 48" AFF. COORDINATE FINAL MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- FIELD COORDINATE FINAL MOUNTING HEIGHT OF KITCHEN APPLIANCES WITH ARCHITECT AND PROVIDE POWER CONNECTION TO EACH EQUIPMENT IN ACCORDANCE WITH MANUFACTURER GUIDELINES.
- PROVIDE EMERGENCY MINIMUM 90-MIN UL924 RATED BATTERY BACKUP FOR EXIT SIGN. FIELD COORDINATE FINAL LOCATION AND MOUNTING HEIGHT BASED ON EQUIPMENT AND DOOR LAYOUT.
- ALL EXISTING TO REMAIN SWITCHES AND RECEPTACLES NOT WITHIN SCOPE OF WORK ARE TO BE MAINTAINED AND REMAIN OPERATIONAL, UNLESS OTHERWISE DIRECTED BY OWNER AND ARCHITECT.
- CONTRACTOR TO FIELD VERIFY EMERGENCY LIGHTING MEETS 1 FOOT CANDLE MINIMUM REQUIREMENT AND EMERGENCY EGRESS PATHWAY LIGHTING MEETS 0.1 FOOT CANDLE MINIMUM REQUIREMENT IN ACCORDANCE WITH NFPA 101 GUIDELINES. PROVIDE EMERGENCY BATTERY BACKUP FOR ALL EMERGENCY LUMINAIRES.
- EM DENOTED EMERGENCY LIGHTING. PROVIDE AND INSTALL EMERGENCY BATTERY BACK-UP FOR ALL LUMINAIRES WITH AN EM DESIGNATION.
- REFER TO DRAWING E400 FOR ADDITIONAL INFORMATION REGARDING EXISTING PANEL LOCATION AND SCHEDULE.
- ALL ABOVE COUNTER RECEPTACLES TO BE 42" AFF. FIELD COORDINATION FINAL MOUNTING LOCATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

**KEYED NOTES**

- PROVIDE AND INSTALL ARCHITECTURAL LIGHTING THROUGHOUT FLEX AND BREAK ROOMS IN COORDINATION WITH ARCHITECT AND OWNER. ADDITIONALLY, PROVIDE AND INSTALL EMERGENCY EGRESS LIGHTING WITH EMERGENCY BATTERY BACKUP IN ACCORDANCE WITH NFPA GUIDELINES. FIELD COORDINATE LUMINAIRE LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR TO PROVIDE AND INSTALL BACK OF HOUSE PENDANT MOUNTED LED LIGHTING WITH EMERGENCY BATTERY BACKUP FOR MECHANICAL ROOM. PROVIDE LUMINAIRE INFORMATION TO ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- PROVIDE WORKSTATION WITH POWER FOR FUTURE FURNITURE INSTALLATIONS. FIELD COORDINATE FINAL MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- CONTRACTOR TO MAINTAIN AND VERIFY THE INTEGRITY OF ALL EQUIPMENT, WIRING AND ELECTRICAL COMPONENTS OF EXISTING FURNACE DURING RELOCATION AND AFTER REINSTALLATION. CONTRACTOR TO PROVIDE OWNER WRITTEN CONFIRMATION THAT FURNACE AND ALL ITS ELECTRICAL COMPONENTS, WIRING AND DISCONNECT SWITCHING ARE UNDAMAGED AND FULLY OPERATIONAL AFTER REINSTALLATION. CONTRACTOR TO PROVIDE POWER TO EXISTING FURNACE VIA EXISTING TO REMAIN CIRCUIT ON PANEL 'O'.
- INSTALL CU-1 ON ROOF. FIELD COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. REMOVE EXISTING CU-1 AND ITS ASSOCIATED WIRING AND BREAKER IN ACCORDANCE WITH NEC GUIDELINES. TAG SHOWN FOR COORDINATION PURPOSES ONLY.
- INSTALL CU-2 ON ROOF. FIELD COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. TAG SHOWN FOR COORDINATION PURPOSES ONLY.

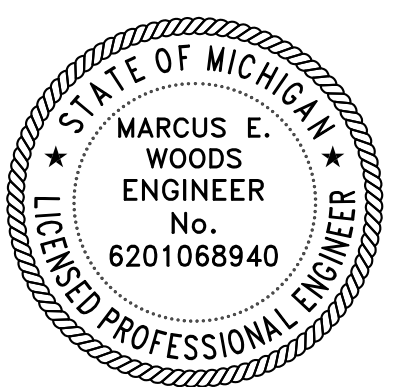
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CONSTRUCTION DOCUMENTS		08/NOV/2024

SEAL & SIGNATURE



PROJECT VANGUARD OFFICES

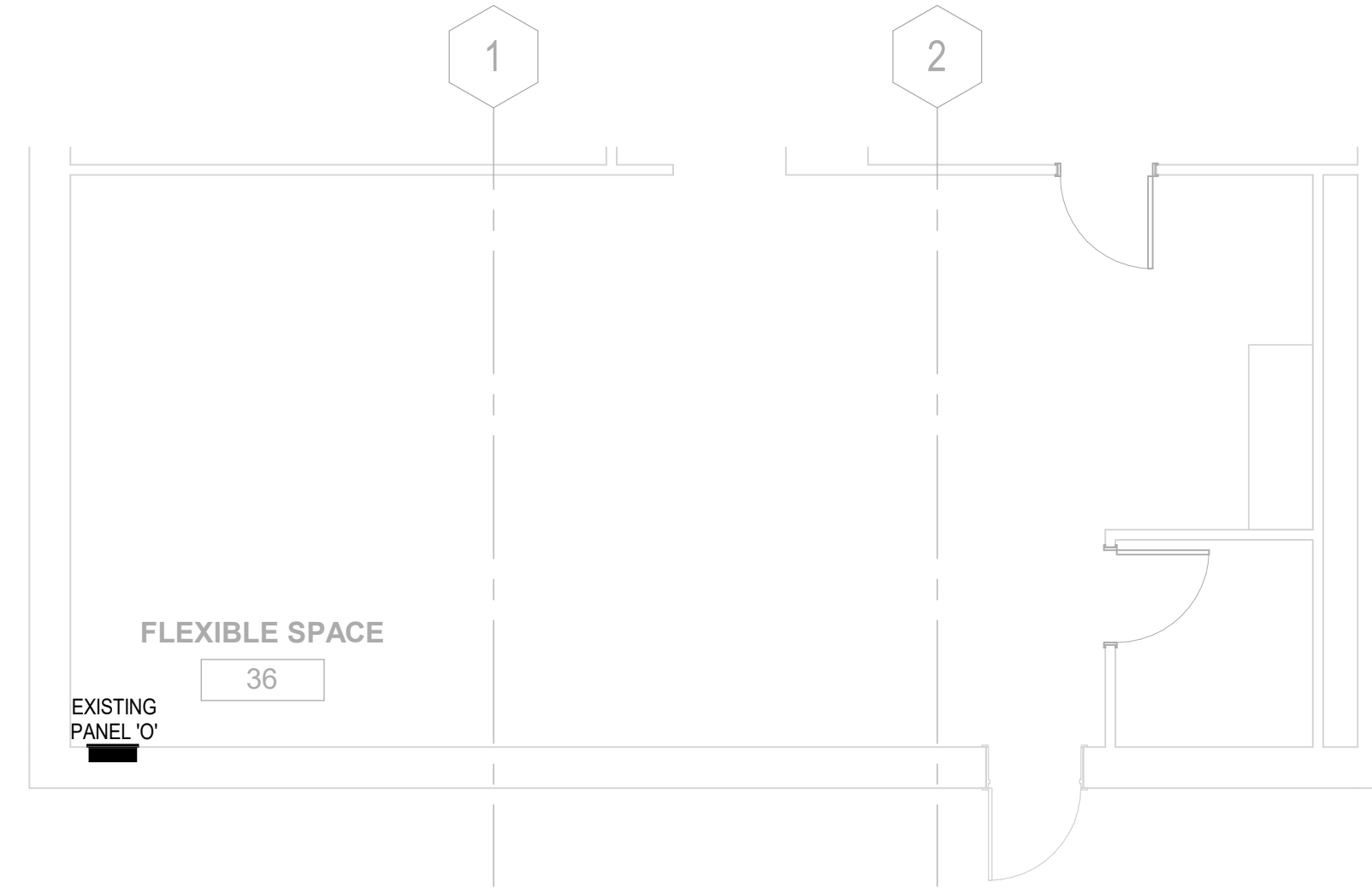
2817 E GRAND BLVD  
DETROIT, MI 48211

**ELECTRICAL LVL 02  
FLOOR PLANS**

PROJECT NORTH PROJECT No: 2407  
DWG No:







**GENERAL NOTES**

- REFER TO DRAWING E001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- EXISTING PANEL 'O' SERVING SECOND LVL TO REMAIN AND BE MAINTAINED.
- CONTRACTOR TO FIELD VERIFY AND TEST PANEL 'O' FOR AVAILABLE SPARE CAPACITY AND INSTALL NEW DESIGN BASED ON DRAWING E100 ACCORDINGLY.
- CONTRACTOR TO FIELD VERIFY LOCATION, EQUIPMENT AND DEVICES THAT ARE BEING SERVED BY ALL EXISTING TO REMAIN CIRCUIT BREAKERS IN PANEL 'O'. FIELD VERIFY INTEGRITY OF ALL EXISTING TO BE MAINTAINED CIRCUIT BREAKERS AND WIRING AND REPLACE IN KIND IF DAMAGED.
- CONTRACTOR TO PROVIDE OWNER WITH UPDATED PANEL SCHEDULE.
- CONTRACTOR TO FIELD VERIFY AND CONFIRM PANEL VOLTAGE OF 120/208V, 1 PHASE. SHOULD THERE BE ANY DISCREPANCIES, CONTRACTOR TO NOTIFY OWNER AND ARCHITECT IMMEDIATELY.
- CONTRACTOR TO MAINTAIN ALL EXISTING TO REMAIN PANELS AS OPERATIONAL AND CONFIRM IN WRITING NO DAMAGE IS DONE DURING CONSTRUCTION.
- PROVIDE AND INSTALL GFCI BREAKERS FOR ALL BREAKERS PROVIDING POWER TO GFCI RECEPTACLES. REFER TO DRAWING E100 FOR ADDITIONAL INFORMATION.

**1** ELECTRICAL PARTIAL POWER PLAN - LVL 01  
SCALE: 3/16" = 1'-0"

PANEL NAME:		O (EXISTING TO REMAIN PANEL)										
PROJECT NAME:		2636 W HURON ST		PANEL VOLTAGE:		120V/208V			AIC RATING:		42000	
PANEL MOUNTING:		FLUSH		PHASES:		1PHASE			MAINS TYPE:		MCB	
				WIRES:		3			MAINS RATING:		200A	
CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	VA	PHASE	VA	POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	EXISTING TO REMAIN BREAKER	R	20	1		A		1	20	R	EXISTING TO REMAIN BREAKER	2
3	EXISTING TO REMAIN BREAKER	R	20	1		B		1	20	R	EXISTING TO REMAIN BREAKER	4
5	EXISTING TO REMAIN BREAKER	R	20	1		A		1	20	R	EXISTING TO REMAIN BREAKER	6
7	EXISTING TO REMAIN BREAKER	R	20	1		B		1	20	R	EXISTING TO REMAIN BREAKER	8
9	LTG	L	20	1	1000	A		1	20	R	EXISTING TO REMAIN BREAKER	10
11	CO + SD, THERMOSTAT, TEF-1	H	20	1	750	B		1	20	R	EXISTING TO REMAIN BREAKER	12
13	REC - MECH	R	20	1	360	A		1	20	R	EXISTING TO REMAIN BREAKER	14
15	REC - CIRCULATION	R	20	1	1080	B	1080	1	20	R	REC - ARRIVAL	16
17	REC - CONFERENCE RM	R	20	1	1080	A	1080	1	20	R	REC - FLEX OFFICE	18
19	REC - CFO OFFICE	R	20	1	1080	B	1080	1	20	R	REC - COO OFFICE	20
21	REC - CEO OFFICE	R	20	1	1080	A	400	1	20	R	J BOX - WORKSTATIONS	22
23	J BOX - WORKSTATIONS	R	20	1	400	B	1080	1	20	R	REC - CONVENIENCE	24
25	REC - CONVENIENCE	R	20	1	1080	A	400	1	20	R	REC - PRINTER	26
27	REC - PRINTER	R	20	1	400	B	1080	1	20	R	REC - COE OFFICE	28
29	REC - FLEX ZONE	R	20	1	1080	A	540	1	20	R	REC - BREAK RM	30
31	REC - BREAK RM	R	20	1	1080	B	1200	1	20	R	REC - FRIDGE	32
33	REC - GRIDDLE	R	20	1	540	A	800	1	20	R	J BOX - GARBAGE DISPOSAL	34
35	J BOX - DISHWASHER	R	20	1	1400	B	2600			ML		36
37	F-2	H	15	1	1400	A	2600	2	40	ML	CU-1	38
39	ERV-1	H			1155	B	2340			H		40
41		H	15	2	1155	A	2340	2	35	H	CU-2	42

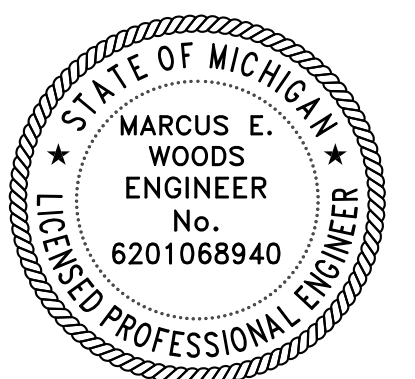
MECHANICAL EQUIPMENT								NOTES	
NAME	NUMBER	DESCRIPTION	VOLTAGE	PHASE	WATTAGE	PANEL	CIRCUIT NUMBER		
(E) F	1	EXISTING FURNACE	120	1	-	PANEL 'O'	-	COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. FIELD COORDINATE POWER CONNECTION WITH MANUFACTURER GUIDELINES.	
F	2	FURNACE	120	1	1400	PANEL 'O'	37	COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. FIELD COORDINATE POWER CONNECTION WITH MANUFACTURER GUIDELINES.	
CU	1*	CONDENSING UNIT	208	1	5200	PANEL 'O'	36,38	COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. FIELD COORDINATE POWER CONNECTION WITH MANUFACTURER GUIDELINES.	
CU	2**	CONDENSING UNIT	208	1	4680	PANEL 'O'	40,42	COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. FIELD COORDINATE POWER CONNECTION WITH MANUFACTURER GUIDELINES.	
ERV	1	ENERGY RECOVERY UNIT	208	1	2310	PANEL 'O'	39,41	COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. FIELD COORDINATE POWER CONNECTION WITH MANUFACTURER GUIDELINES.	
TEF	1	TOILET EXHAUST FAN	120	1	12	PANEL 'O'	11	COORDINATE FINAL LOCATION WITH MECHANICAL DRAWINGS. FIELD COORDINATE POWER CONNECTION WITH MANUFACTURER GUIDELINES.	

\* FIELD COORDINATE FINAL LOCATION ON ROOF WITH ARCHITECT AND OWNER. PROVIDE POWER TO NEW CU-1 IN ACCORDANCE WITH MANUFACTURER GUIDELINES AND MECHANICAL DRAWINGS. REMOVE EXISTING CU-1 AND ALL ITS ASSOCIATED WIRING IN ACCORDANCE WITH NEC GUIDELINES.  
\*\* FIELD COORDINATE FINAL LOCATION ON ROOF WITH ARCHITECT AND OWNER. PROVIDE POWER TO NEW CU-2 IN ACCORDANCE WITH MANUFACTURER GUIDELINES AND MECHANICAL DRAWINGS.

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ISSUED FOR	REV	DATE
CONSTRUCTION DOCUMENTS		06NOV2024

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**ELECTRICAL RISER AND SCHEDULES**

PROJECT NORTH PROJECT No: 2407  
DWG No:



**E400**