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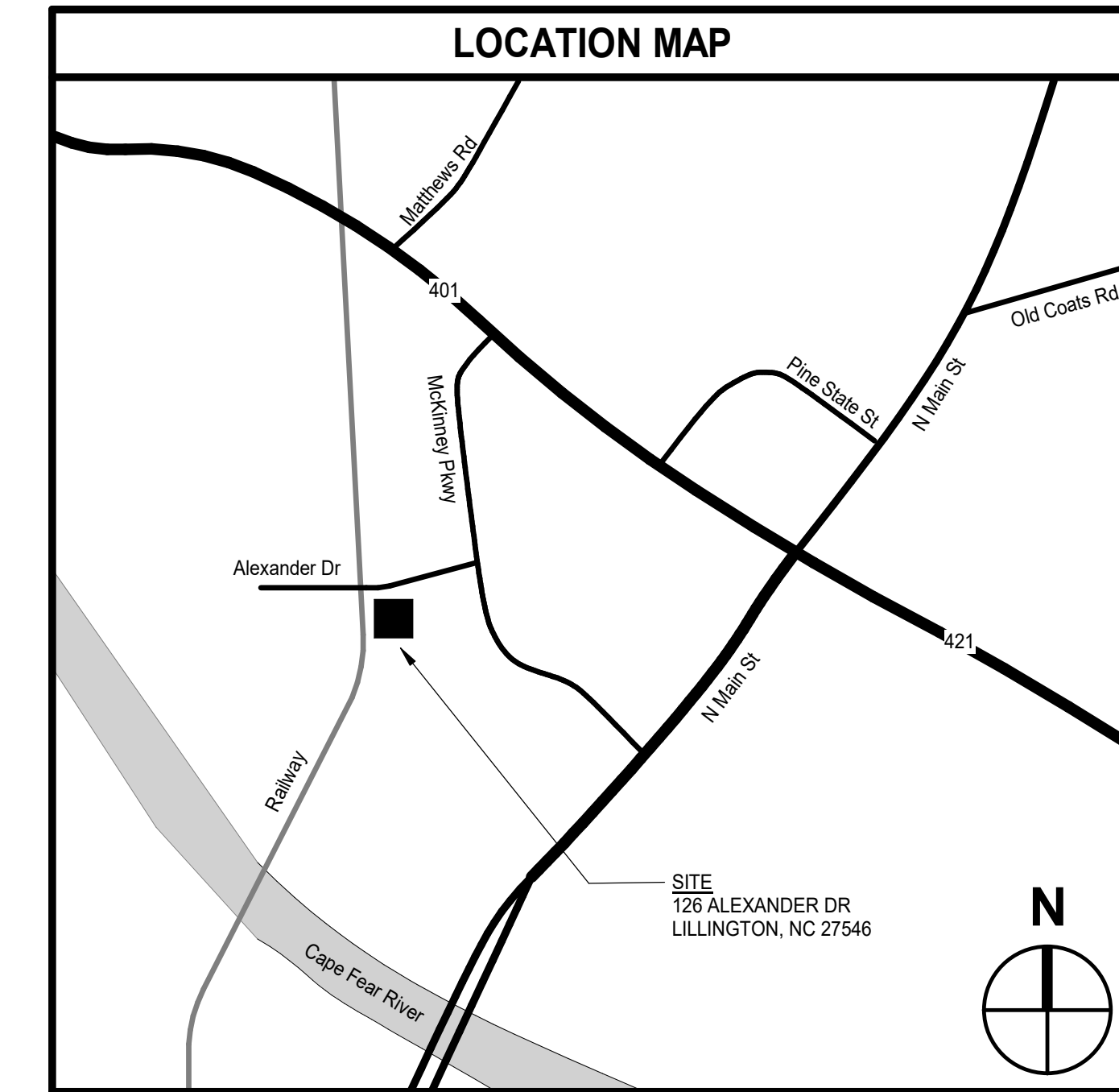
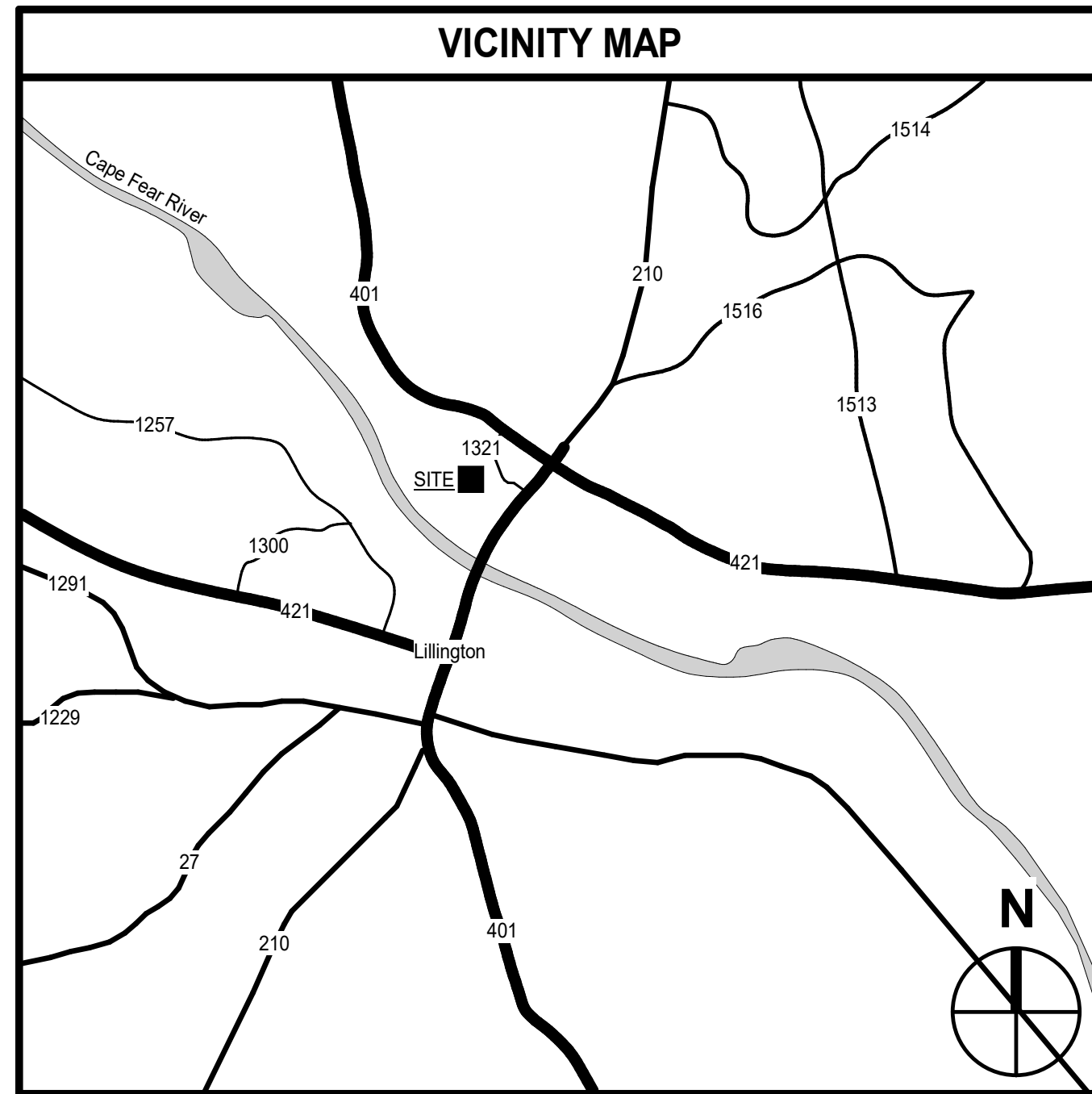
HARNETT CO AG CENTER KITCHEN RENOVATION

HARNETT CO LILLINGTON, NC

640460

MOSELEYARCHITECTS

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091
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HARNETT CO AG CENTER KITCHEN RENOVATION

HARNETT CO
126 ALEXANDER DRIVE, LILLINGTON, NC 27546

PROJECT NO:	640460
DATE:	SEPTEMBER 18, 2024
REVISIONS	
DATE	DESCRIPTION

COVER

G0.1

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: **Harnett Co Ag Center Kitchen Renovation**
Address: **126 Alexander Drive, Lillington, NC** Zip Code **27546**
Owner/Authorized Agent: **Chris Johnson** Phone # **(910) 893-7538** E-Mail: **cjohnson@harnett.org**
Owned By: **City** County: **City AID: Lillington, County AID: Harnett**
Code Enforcement Jurisdiction: **City**

CONTACT:	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
DESIGNER:	Moseley Architects	Josh Bennett	13947	(919)840-0091	jhbennett@moseleyarchitects.com
Architectural	Moseley Architects	Josh Bennett	13947	(919)840-0091	jhbennett@moseleyarchitects.com
Civil	N/A				
Electrical	Moseley Architects	Brian Walls	040202	(804)794-2555	bwalls@moseleyarchitects.com
Fire Alarm	Moseley Architects	Brian Walls	040202	(804)794-2555	bwalls@moseleyarchitects.com
Plumbing	Moseley Architects	Seth Lehman	050937	(919)840-0091	slehman@moseleyarchitects.com
Mechanical	Moseley Architects	Seth Lehman	050937	(919)840-0091	slehman@moseleyarchitects.com
Sprinkler-Standpipe	N/A				
Structural	N/A				

2018 NC BUILDING CODE: **N/A**

2018 NC EXISTING BUILDING CODE: **Alteration Level II N/A N/A**

CONSTRUCTED: (date) 2004 CURRENT OCCUPANCY(S) (Ch. 3): **B**

RENOVATED: **N/A** PROPOSED OCCUPANCY(S) (Ch. 3): **B**

RISK CATEGORY (Table 1604.5): Current: **II** Proposed: **II**

BASIC BUILDING DATA

Construction Type: Existing: **Type II-B**

Sprinklers: **No**

Standpipes: **No**

Primary Fire District: **Yes** Flood Hazard Area: **No**

Special Inspections Required: **No**

Gross Building Area Table			
FLOOR	EXISTING (SF)	NEW (SF)	SUB-TOTAL
3 rd Floor	-	-	-
2 nd Floor	-	-	-
Mezzanine	-	-	-
1 st Floor	21,364 SF	-	-
Basement	-	-	-
TOTAL	21,364 (SF)	0	555 (SF)

TOTAL SCOPE OF WORK AREA: **555 SF**

PROJECT SCOPE OF WORK DESCRIPTION: **Renovation and minor reconfiguration of existing demonstration kitchen (domestic) in seminar/classroom space.**

ALLOWABLE AREA

Primary Occupancy Classification(s): **Business**

Accessory Occupancy Classification(s): **N/A**

Incidental Uses (Table 509): _____

Special Uses (Chapter 4 – List Code Sections): _____

Special Provisions: (Chapter 5 – List Code Sections): _____

Mixed Occupancy: **No** Separation: **N/A** Exception: **N/A**

Non-Separated Use (508.3)

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$+ \dots = \dots \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA INCREASE ⁵	(C) AREA FOR FRONTAGE INCREASE ⁵	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
1	Existing B	Existing to Remain	Existing to Remain	Existing to Remain	Existing to Remain

¹ Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I = 100(F/P - 0.25) \times W/30 = \dots$ (%)
² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4.
⁵ Frontage increase is based on the un-sprinklered area value in Table 506.2.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION BRIFANCE (FEET)	RQ'D	RATING PROVIDED (W/REDUCTIONS)	DETAIL # AND SHEET #	DESIGN # FOR RATED PENETRATION ASSEMBLY	SHEET # FOR RATED JOINTS	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	0	0	NC (Existing)				
Bearing Walls	0	0	N/A				
Exterior	0	0	N/A				
North	0	0	N/A				
East	0	0	N/A				
West	0	0	N/A				
South	0	0	N/A				
Interior	0	0	N/A				
Nonbearing Walls and Partitions	0	0	(Existing)				
Exterior walls	30"	0	0 (Existing)				
North	30"	0	0 (Existing)				
East	30"	0	0 (Existing)				
West	30"	0	0 (Existing)				
South	30"	0	0 (Existing)				
Interior walls and partitions	0	0	(Existing)				
Door Construction	0	0	(Existing)				
Including supporting beams and joints	0	0	(Existing)				
Floor Ceiling Assembly	0	0	N/A				
Ceiling Supporting Partitions	0	0	N/A				
Roof Construction, including supporting beams and joints	0	0	NC (Existing)				
Roof Ceiling Assembly	0	0	NC (Existing)				
Ceiling Supporting Roof	0	0	NC (Existing)				
Shaft Enclosures - East	N/A	0	N/A				
Shaft Enclosures - Other	N/A	0	N/A				
Outside Separation	1	1	(Existing)				
Occupancy/Fire Barrier Separation	N/A	2	(Existing)				
Party/Fire Wall Separation	2	2	(Existing)				
Smoke Barrier Separation	N/A	0	(Existing)				
Smoke Partitions	0	0	(Existing)				
Tenant Dwelling Unit Separation	N/A	1	(Existing)				
Sleeping Unit Separation	N/A	1	(Existing)				
Incidental Use Separation	N/A	N/A					

* Indicate section number permitting reduction

2018 NC Administrative Code and Policies

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENING PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
N/A (Existing)	N/A (Existing)		

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	Yes
Exit Signs:	Yes
Fire Alarm:	Yes
Smoke Detection Systems:	Yes
Carbon Monoxide Detection:	Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: **LS1.0 (NC Existing Building Code, Section 703 & 704)**

- Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations (if not on the site plan)
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- Occupant loads for each area
- Exit access travel distances (1017)
- Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4)
- Clear exit widths for each exit door
- Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- Location of doors with electromagnetic egress locks (1010.1.9.9)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1030)
- The square footage of each fire area (202)
- The square footage of each smoke compartment for Occupancy Classification 1-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A							

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
			REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
Existing	-	-	-	-	-	Existing
TOTAL						Existing

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

SPACE	EXIST'G	WATERCLOSETS		URINALS		LAVATORIES		SHOWERS		DRINKING FOUNTAINS	
		MALE	FEMALE	MALE	FEMALE	UNISEX	UNISEX	TUBS	REGULAR	ACCESSIBLE	
NEW	-	-	-	-	-	-	-	-	-	-	-
REQ'D											

Occupant load unchanged by renovation; Existing to Remain

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: **No** Existing to Remain

Exempt Building: **Select one (Unaltered portions)** Provide code or statutory reference: 2018 NC ECC C501.1.1

Climate Zone: **4A**

Method of Compliance: **Select one** (If "Other" specify source here) 2018 NC ECC Chapter 5 (Existing Buildings)

THERMAL ENVELOPE (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)

Description of assembly: **Existing to Remain**

U-Value of total assembly: **0.053**

R-Value of insulation: **19**

Skylights in each assembly: **NA**

U-Value of skylight: **NA**

total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: **Existing to Remain**

U-Value of total assembly: **0.044**

R-Value of insulation: **19**

Openings (windows or doors with glazing)

U-Value of assembly: **0.53**

Solar heat gain coefficient: **0.87**

projection factor: **N/A**

Door R-Values: **0.88**

Walls below grade (each assembly)

Description of assembly: **N/A**

U-Value of total assembly: _____

R-Value of insulation: _____

Floors over unconditioned space (each assembly)

Description of assembly: **Existing to Remain**

U-Value of total assembly: _____

R-Value of insulation: _____

Floors slab on grade

Description of assembly: **Existing to Remain**

U-Value of total assembly: **0.164**

R-Value of insulation: **7.0 in**

Horizontal vertical requirement: **No** Vertical

slab heated: _____

2018 NC Administrative Code and Policies

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

(EXISTING TO REMAIN)

DESIGN LOADS:

Importance Factors: Snow (Is) **N/A** - Existing to Remain

Seismic (Is) **N/A** - Existing to Remain

Live Loads: Roof **N/A psf**

Mezzanine **N/A psf**

Floor **N/A psf**

Ground Snow Load: **N/A psf**

Wind Load: Ultimate Wind Speed **N/A (ASCE-7)**

Exposure Category **N/A**

SEISMIC DESIGN CATEGORY: **N/A**

Provide the following Seismic Design Parameters:

Risk Category (Table 1604.5) **N/A**

Spectral Response Acceleration **Ss** **N/A** %g **S1** **N/A** %g

Site Classification (ASCE 7) **N/A**

Data Source: **N/A**

Basic structural system **N/A**

Analysis Procedure: **N/A**

Architectural, Mechanical, Components anchored? **N/A**

LATERAL DESIGN CONTROL: **N/A**

SOIL BEARING CAPACITIES: **N/A**

Pile size, type, and capacity **N/A**

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone

winter dry bulb: **16°F**

summer dry bulb: **90°F**

summer wet bulb: **75°F**

Interior design conditions

winter dry bulb: **70°F**

summer dry bulb: **75°F**

relative humidity: **50% RH**

Building heating load: **Existing to Remain: 624.8 MBH**

Building cooling load: **Existing to Remain: 46.9 Tons**

Mechanical Spacing Conditioning System

Unitary

description of unit: **N/A**

heating efficiency: **N/A**

cooling efficiency: **N/A**

size category of unit: **N/A**

Boiler

Size category, if oversized, state reason: **Existing to Remain**

Chiller

Size category, if oversized, state reason: **Existing to Remain**

List equipment efficiencies: **Existing to Remain**

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: **Energy Code - Prescriptive**

Lighting schedule (each fixture type) - REFER TO LIGHT FIXTURE SCHEDULE (SHEET E2.1)

lamp type required in fixture

number of lamps in fixture



PROJECT NO:	640460
DATE:	SEPTEMBER 18, 2024
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DATE	DESCRIPTION

DEMOLITION PLAN LEGEND

APPLIES TO DRAWINGS A2.1

- EXISTING PARTITION/WALL/ITEM TO REMAIN
- REMOVE EXISTING PARTITION/WALL/ITEM
- REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

DEMOLITION PLAN GENERAL NOTES

- REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL EXISTING WALLS, DOORS, AND CEILING GRIDS TO REMAIN. PATCH AND PREP AS NEEDED AFTER DEMOLITION.

DEMOLITION PLAN KEYNOTES

REPRESENTED BY [1]

APPLIES TO DRAWINGS A2.1

- REMOVE UPPER AND LOWER CASEWORK, COUNTERTOPS, AND APPLIANCES. SALVAGE CABINETS AND APPLIANCES AND RETURN TO OWNER.
- REMOVE FLOORING AND WALL BASE.
- COORDINATE DEMOLITION WITH PLUMBING SCOPE OF WORK.
- REMOVE PORTION OF DEMOUNTABLE PARTITION. COORDINATION DEMOLITION WITH ELECTRICAL SCOPE OF WORK.
- ALTERNATE #2: REMOVE CASEWORK, SALVAGE CABINETS AND RETURN TO OWNER.
- COORDINATE DEMOLITION WITH ELECTRICAL SCOPE OF WORK.

WALL/PARTITION TYPE GENERAL NOTES

- PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.
- ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.
- THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.
- MAINTAIN ALL EXISTING WALL RATINGS.
- PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:
 - EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.
- SEAL AROUND ALL PENETRATIONS.
- COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.
- WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
- PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

PANEL WALL/PARTITION TYPES

REPRESENTED BY [P1]

MARK	FIRE RATED ASSEMBLY (REFER TO S'S 1.0 FOR LEGEND)	INFORMATION
P1	[Symbol]	4 7/8" 5/8" GYP BD 3-5/8" CFSF-NS

FLOOR PLAN GENERAL NOTES

- VERIFY IN FIELD EXISTING DIMENSIONS. COORDINATE WITH ARCHITECT IF THERE ARE DISCREPANCIES WITH EXISTING CONDITIONS OR DIMENSIONS SHOWN.
- COORDINATE THE WORK OF ALL TRADES. VERIFY LOCATIONS AND EXTENT OF INSERTS, ANCHORS, PENETRATIONS, ETC. REQUIRED BY PLUMBING MECHANICAL, AND ELECTRICAL TRADES.
- PATCH, REPAIR AND PAINT ALL EXISTING WALL GYP BD SURFACES TO CREATE A SEAMLESS TRANSITION AND UNIFORM APPEARANCE.
- COORDINATE THE WORK WITH OWNER SUPPLIED APPLIANCES.

FLOOR PLAN KEYNOTES

REPRESENTED BY [1]

APPLIES TO DRAWINGS A2.1

- MAINTAIN EXISTING 2HR WALL RATING. PATCH AND SEAL ALL NEW AND EXISTING PENETRATIONS WITH UL ASSEMBLY.
- P1 WALL CENTERED BETWEEN BASE CABINETS BELOW COUNTERTOP.
- ALTERNATE #1: BASE CABINETS AND COUNTERTOP WITH 4" BACKPLASH.
- ALTERNATE #2: PANTRY CABINETS.
- FLOOR BOX, REFER TO ELECTRICAL.

REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A2.1

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

- A101 SPACE NUMBER
ceiling height, AFF UNO
- EXISTING CEILING GRID TO REMAIN. REPLACE 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- EXISTING TO REMAIN. VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK
- INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

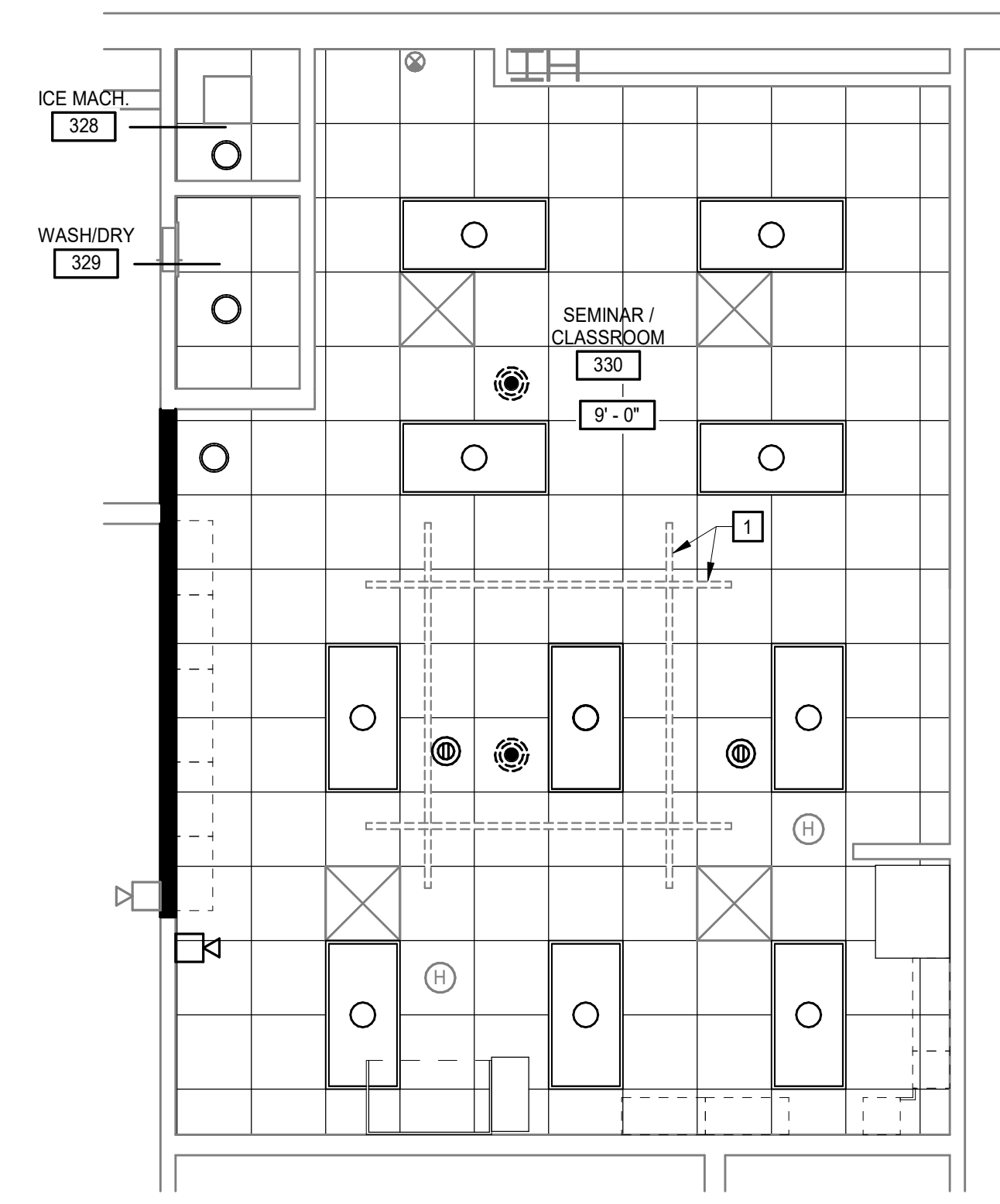
- ALL CEILINGS AND CEILING HEIGHTS ARE TO REMAIN EXISTING AT 9'-0" AFF.
- DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. VERIFY EXISTING LAYOUT WHERE IT MAY IMPACT THE WORK.
- CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

REFLECTED CEILING PLAN KEYNOTES

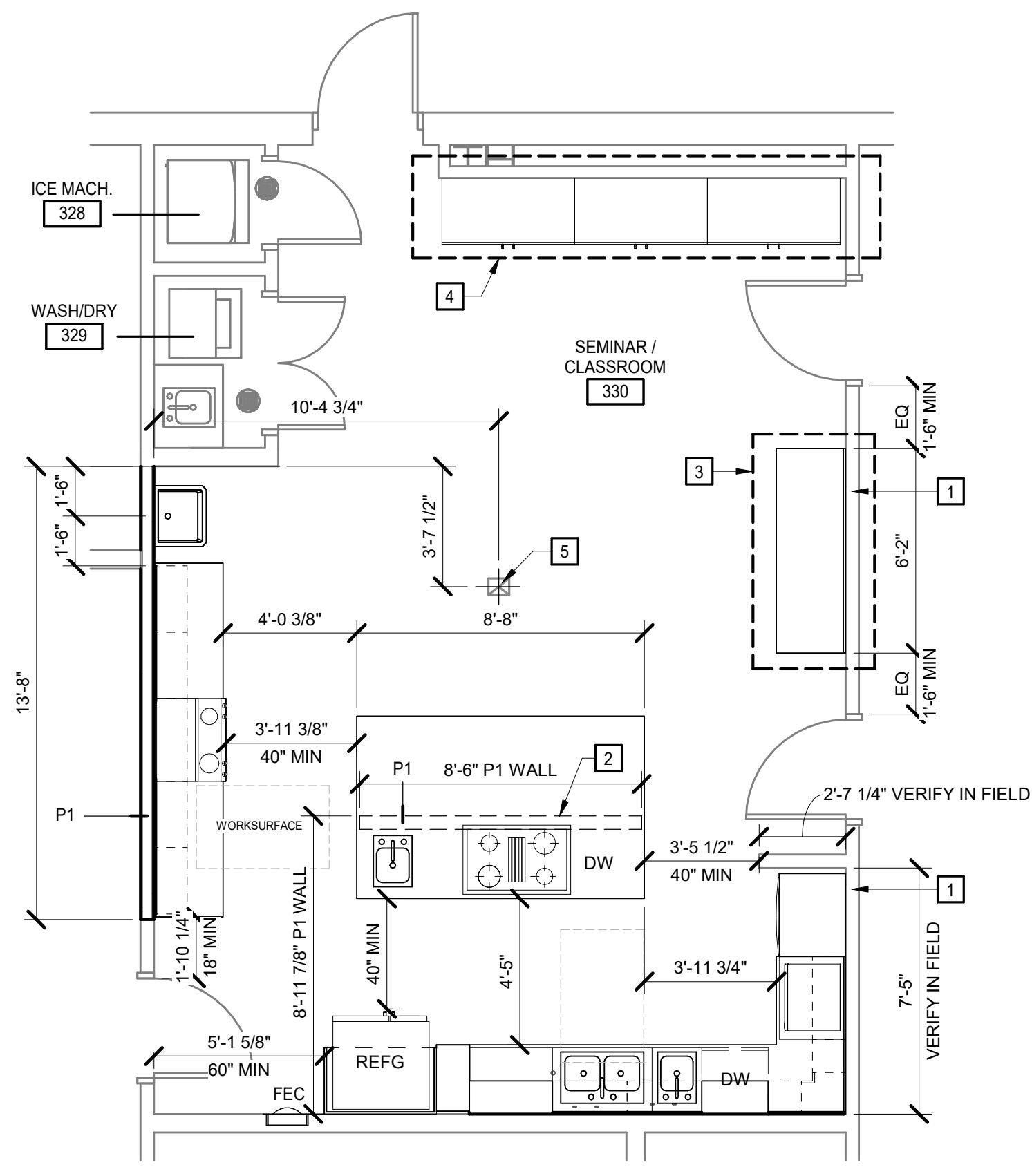
REPRESENTED BY [1]

APPLIES TO DRAWINGS A2.1

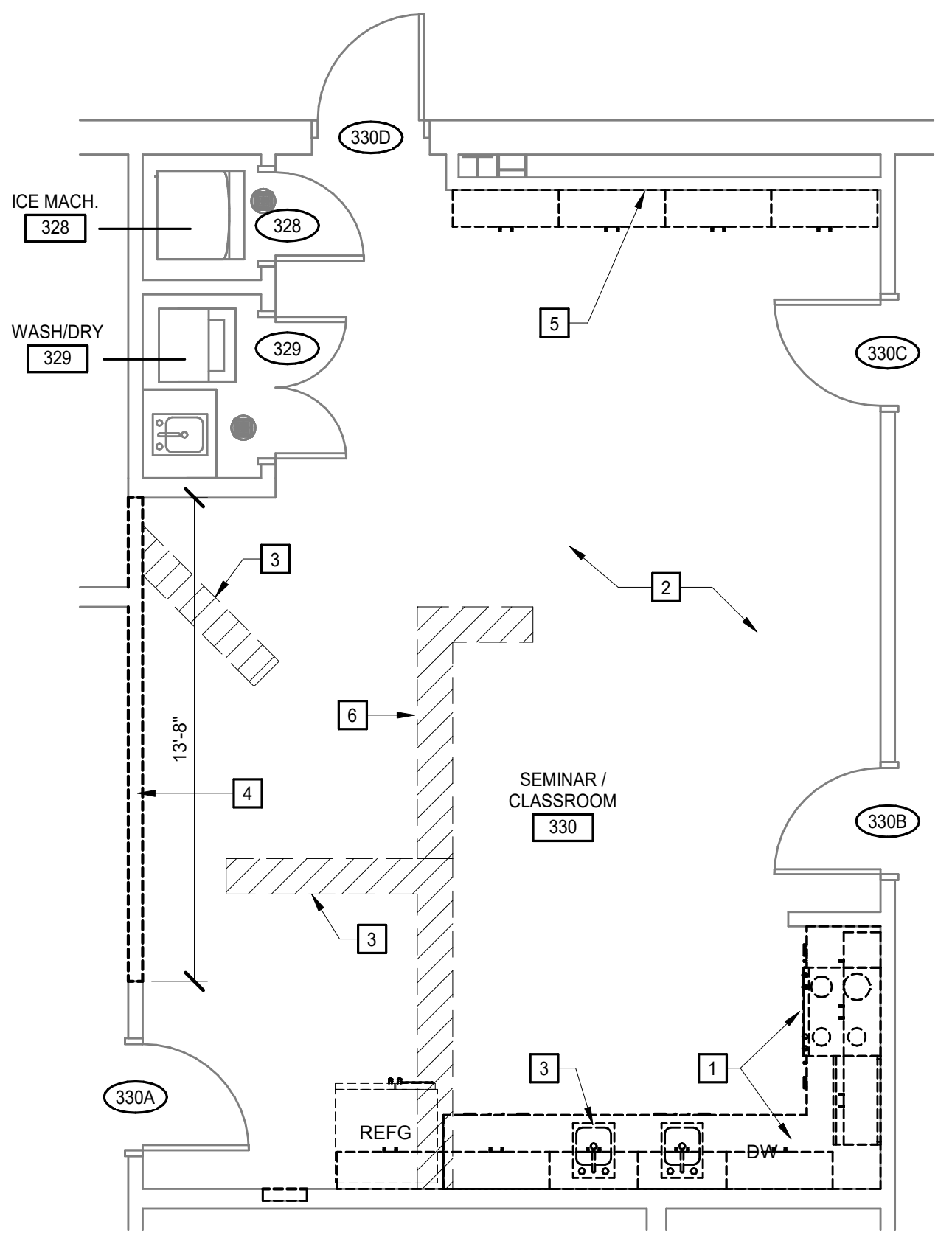
- LIGHTING RAIL SYSTEM PROVIDED BY OWNER. VERIFY EXACT PLACEMENT AND TYPE IN FIELD. PROVIDE SLOTTED CHANNEL FRAMING SUPPORTED TO STRUCTURE ABOVE. TRIM CEILING TILE PENETRATIONS.



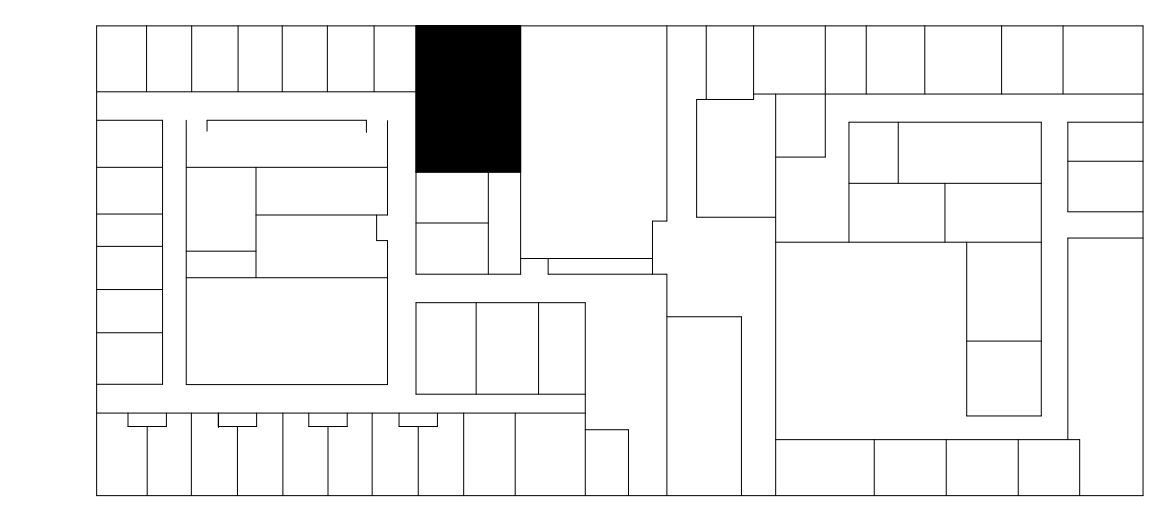
FIRST FLOOR RCP
 1/4" = 1'-0"



FIRST FLOOR PLAN
 1/4" = 1'-0"



FIRST FLOOR DEMOLITION PLAN
 1/4" = 1'-0"



KEY PLAN
 1" = 40'-0"



PROJECT NO: 640460	DATE: SEPTEMBER 18, 2024
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CASEWORK GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S):
 • 2'-10" AFF MAX OR 2'-10" MAX TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
 • 2'-1" DEEP
 • SINTERED STONE - ALLOWING FOR HOT POT TO SIT ON IT
 • BACKSPASHES: 4" HIGH AT ALL SIDES AND BACK (JUD)
 • EXTEND COUNTERTOP 12" PAST BASE CABINET AT ALL EXPOSED CASEWORK ENDS
 • VERIFY SLAB LEVELNESS AT CASEWORK PRIOR TO INSTALL. CONSTRUCTION TOLERANCES DO NOT APPLY TO ACCESSIBILITY DIMENSIONS; MAX DIMENSIONS SHALL BE MAINTAINED.

B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
 • 2'-0" DEEP NOMINAL
 • TOE KICKS: 4" NOMINAL HIGH (REDUCE AS NEEDED FOR TOLERANCES) AND 3" DEEP
 • SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS
 • DOORS TO HAVE RECESSED SQUARE PANEL (SHAKER)

C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
 • 1'-0 1/2" DEEP NOMINAL
 • 3'-0" HIGH
 • TOP AT 7'-6" AFF
 • MINIMUM 11" CLEAR INTERIOR DEPTH
 • DOORS TO HAVE RECESSED SQUARE PANEL (SHAKER)

D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.

E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.

F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS, INCLUDING ISLAND.

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.
 B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.
 C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.
 D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
 E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.
 F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.
 G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.
 H. PROVIDE BLOCKING IN WALL BEHIND CABINETS.
 I. PROVIDE TRANSITION STRIP AT ALL CHANGE-OF-FLOORING. REFER TO SPECS.

CASEWORK KEYNOTES
 REPRESENTED BY [KEYNOTE SYMBOL]
 APPLIES TO DRAWINGS A3.0.1

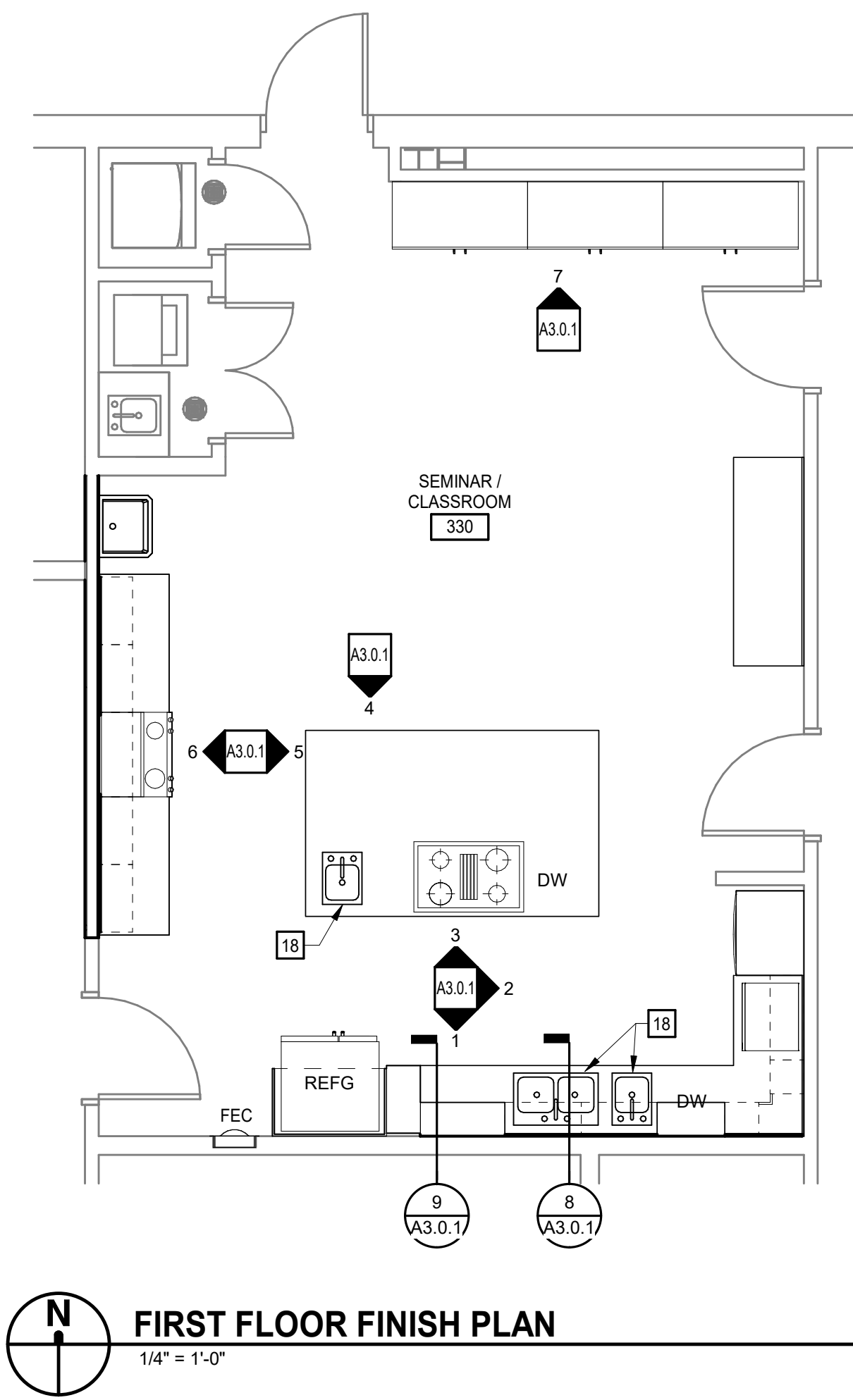
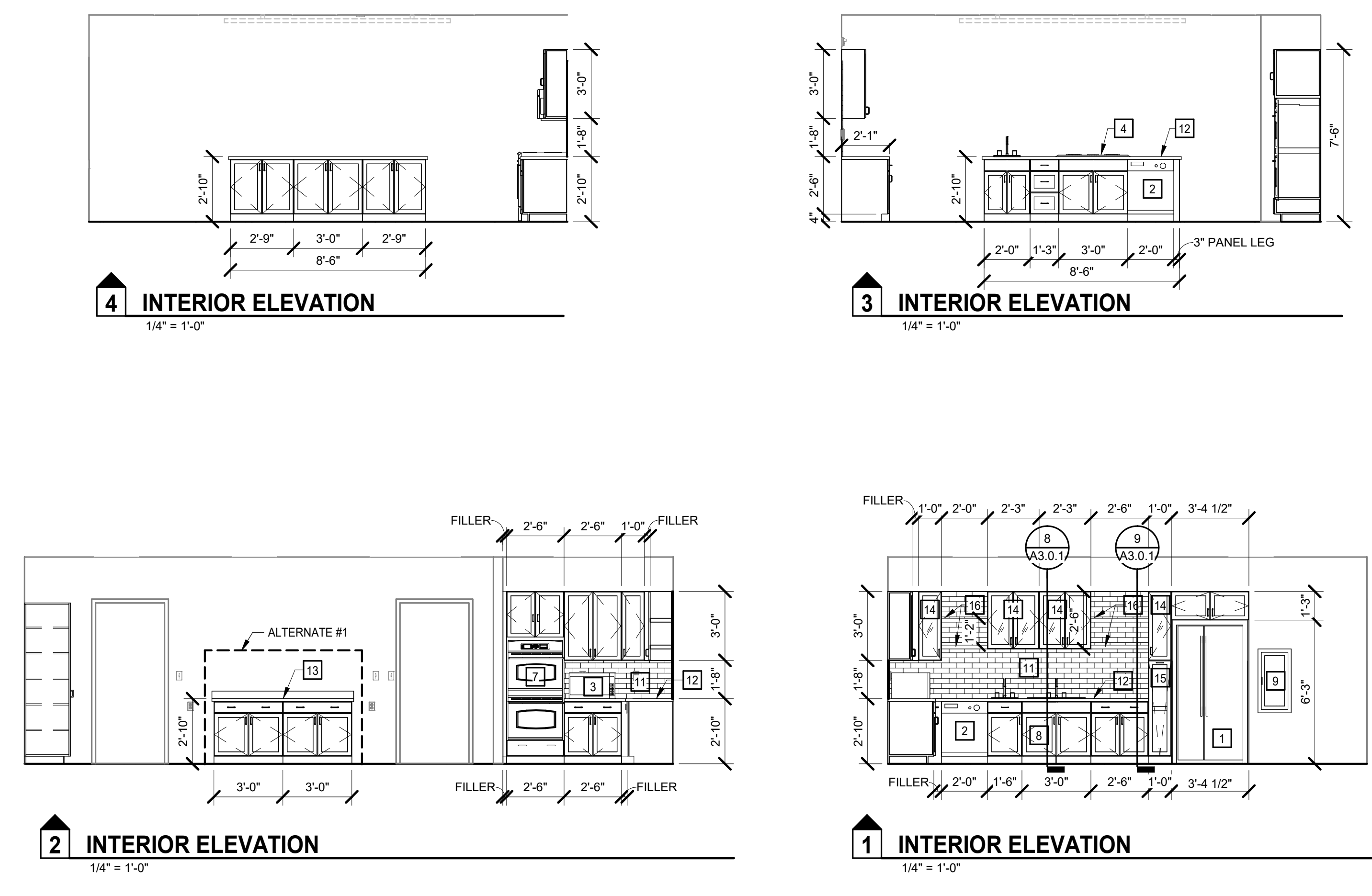
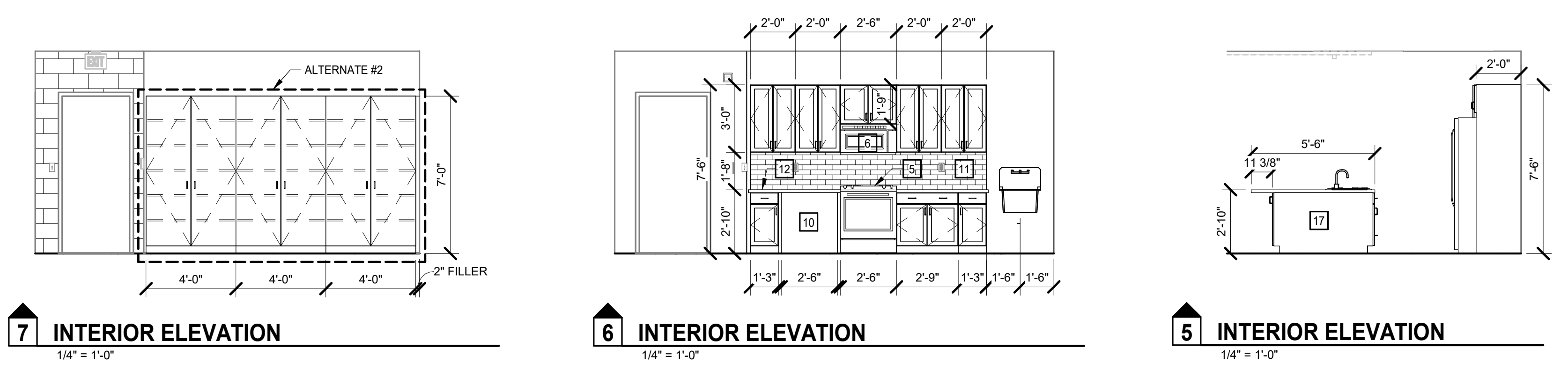
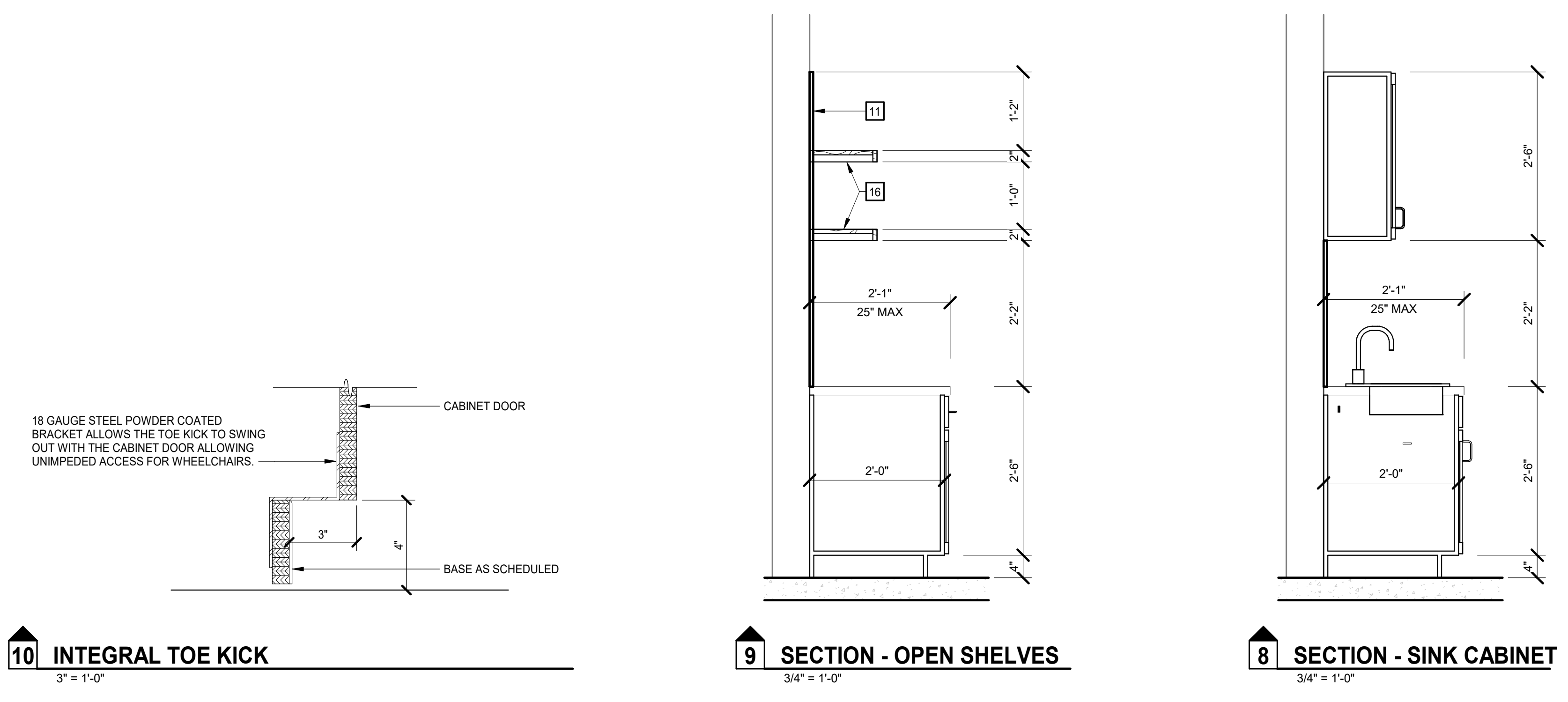
- REFRIGERATOR. REFER TO DIVISION 1 SECTION ALLOWANCES; SECOND REFRIGERATOR TO BE PROVIDED IN STAFF KITCHEN (APPLIANCE ONLY); COORDINATE WITH OWNER ON LOCATION
- ACCESSIBLE DISHWASHER
- COUNTERTOP MICROWAVE. REFER TO DIVISION 1 SECTION ALLOWANCES
- 36" DOWNDRAFT COOKTOP
- SLIDE IN RANGE. REFER TO DIVISION 1 SECTION ALLOWANCES
- OVER THE RANGE MICROWAVE
- DOUBLE WALL OVEN
- ADA SINK CABINET WITH INTEGRAL TOE KICK; REFER TO SECTION
- SEMI-RECESSED FEC
- ACCESSIBLE WORKSURFACE. OPEN BELOW
- TILE BACKSPASH. FINISH WITH MTL TRIM ON ALL EXPOSED VERTICAL SIDES; REFER TO SPECS
- SINTERED STONE COUNTERTOP
- SINTERED STONE COUNTERTOP WITH 4" BACKSPASH
- UPPER CABINET DOOR WITH ANTI-GLARE GLASS INSERT; INTERIOR TO MATCH EXTERIOR FINISH
- SLIDE-OUT PANTRY
- 2" FLOATING SHELVES WITH CONCEALED BRACKETS. PROVIDE 1.25" LIP TO HIDE LIGHTS. DEPTH TO MATCH UPPER CASEWORK
- FINISHED END PANEL
- UNDERMOUNT SINK. INSTALLED WITH 18" OVERHANG

FINISH SCHEDULE

NUMBER	NAME	FLOOR	BASE	WALLS				CEILING	NOTES
				NORTH	EAST	SOUTH	WEST		
330	SEMINAR / CLASSROOM	EVCT	RB	PT	PT	PT	PT	EXISTING GRID ACP PANELS	

INTERIOR FINISH LEGEND - BASIS OF DESIGN

SPECIFICATION	DESCRIPTION	MATERIAL	MANUFACTURER	PRODUCT - COLOR
064100 ARCHITECTURAL WOODWORK	CABINETS	WOOD	KOUNTRY	JAMESTOWN DOOR FRONTS, UNDER CABINET TRIM TO HIDE LIGHTS; REFER TO ELEVATIONS FOR CABINET CONFIGURATION AND GLASS INSERT LOCATIONS
	SSM	SINTERED STONE	DEKTON	COLOR: TBD
093000 TILING	GROUT	GRT	MAPEI	ULTRAFLEX 2; WASHABLE-CLEANABLE EPOXY GROUT; COLOR: TBD
	WALL TILE	GWIT	ARCHITESSA	ELLIS BAMBOO WALL TILE; SIZE: 3X12; COLOR: TBD
095100 ACCOUSTICAL CEILINGS	ACQ	ARMSTRONG		ULTIMA HEALTH ZONE
096513 RESILIENT BASE & ACCESSORIES	RUBBER BASE	RB	JOHNSONITE	COLOR: TBD
096519 RESILIENT TILE FLOORING	RESILIENT TILE	EVCT	KAHRS	COLOR: TBD
099000 PAINTING & COATING	PAINT	PT	SHERWIN WILLIAMS	LOW VOC; COLOR TBD



J
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1 2 3 4 5 6 7 8 9 10



PROJECT NO:	840460
DATE:	SEPTEMBER 18, 2024
REVISIONS	
DATE	DESCRIPTION

ABBREVIATIONS

@	AT	EVC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE	EXP	EXPANSION	PCF	POUNDS PER CUBIC FOOT
AC-X	AIR COMPRESSOR DESIGNATION	FD	FLOOR DRAIN	PD	PUMP DISCHARGE
ADJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLUMB	PLUMBING
ADNL	ADDITIONAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
AF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POLY	POLYETHYLENE
AFS	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PRFAB	PREFABRICATE(D)
ALT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE
AUTO	AUTOMATIC	FX	FIXTURE	PVMT	PAVEMENT
AVG	AVERAGE	FLR	FLOOR	R	RISER
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RAD	RADIUS
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RD-X	RECIRCULATION PUMP DESIGNATION
BLDG	BUILDING	FOS	FUEL OIL SUPPLY	RD	ROOF DRAIN (BOTTOM OUTLET)
BO	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)
BO	BOTTOM	FS	FLOOR SINK	REF	REFERENCE
BSMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
BTWN	BETWEEN	FT	FOOT OR FEET	REOMT	REQUIREMENTS
CA	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER
CI	CAST IRON	G	GAS	RM	ROOM
CP	CAST-IN-PLACE CONCRETE	GOD	GAS CLEANOUT	RO	ROUGH OPENING
CL	CENTERLINE	GWH	GAS WATER HEATER	RV	RAVON VENT
CLG	CEILING	HB	HOSE BIBB	S	SOUTH
CLR	CLEAR	HORIZ	HORIZONTAL	SAN	SANITARY
CMP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SCH	SCHEDULE
CNTR	COUNTERTOP	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
CO	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE
COL	COLUMN	HW	HOT WATER	SFN	SQUARE FOOT/FEET
CONC	CONCRETE	HWR	HOT WATER RETURN	SF	SHEET
COND	CONDENSATE	HWS	HOT WATER SUPPLY	SHT	SHEET
CONSTR	CONSTRUCTION	ID	INSIDE DIAMETER	SLT	SEALANT
CONT	CONTINUATION	IN	INCH	SOG	SLAB ON GRADE
CONTR	CONTRACT-(OR)	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
CORR	CORRIDOR	INV	INVERT	SPEC	SPECIFICATION
CP	CIRCULATING PUMP	JAN	JANITOR	SPR	SPRINKLER
CR	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
CT	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
CW	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
DB	DRY BULB	LP	PROPANE	STOR	STORAGE
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	TD	TRENCH DRAIN
DHR	DOMESTIC HOT WATER RETURN	MECH	MECHANICAL	THK	THICK(MESS)
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	TLT	TOILET
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
DHW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	TOSL	TOP OF SLAB
DI	DROP INLET	MN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)
DIA	DIAMETER	MISC	MISCELLANEOUS	TYP	TYPICAL
DIP	DUCTILE IRON PIPE	MTD	MOUNTED	UG	UNDERGROUND
DN	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
DS	DOWNSPOUT	NC	NORMALLY CLOSED	VAC	VACUUM
DT	DRAIN TILE	NG	NATURAL GAS	VAC	VACUUM BREAKER
DTL	DETAIL	NGV	NATURAL GAS VENT	VB	VERTICAL
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VIF	VERIFY IN FIELD
DWG	DRAWING	NO	NORMALLY OPEN	VTR	VENT THROUGH ROOF
DWP	DOMESTIC WATER BOOSTER PUMP	NO. (#)	NUMBER	W	WEST
E	EAST	NOM	NOMINAL	W	WITH
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	W/O	WITHOUT
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WB	WATER HAMMER ARRESTER
ELEV	ELEVATION	OFI	OWNER FURNISHED CONTRACTOR INSTALLED	WC	WATER CLOSET
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WCO	WALL CLEANOUT
EQ	EQUAL	OH	OVERHEAD	WSHP	WATER SOURCE HEAT PUMP
EQUIP	EQUIPMENT	OPNG	OPENING	WWF	WELDED WIRE FABRIC
ETR	EXISTING TO REMAIN	OPP	OPPOSITE	WWM	WELDED WIRE MESH
				XFMR	TRANSFORMER

GRAPHICS SYMBOLS LEGEND

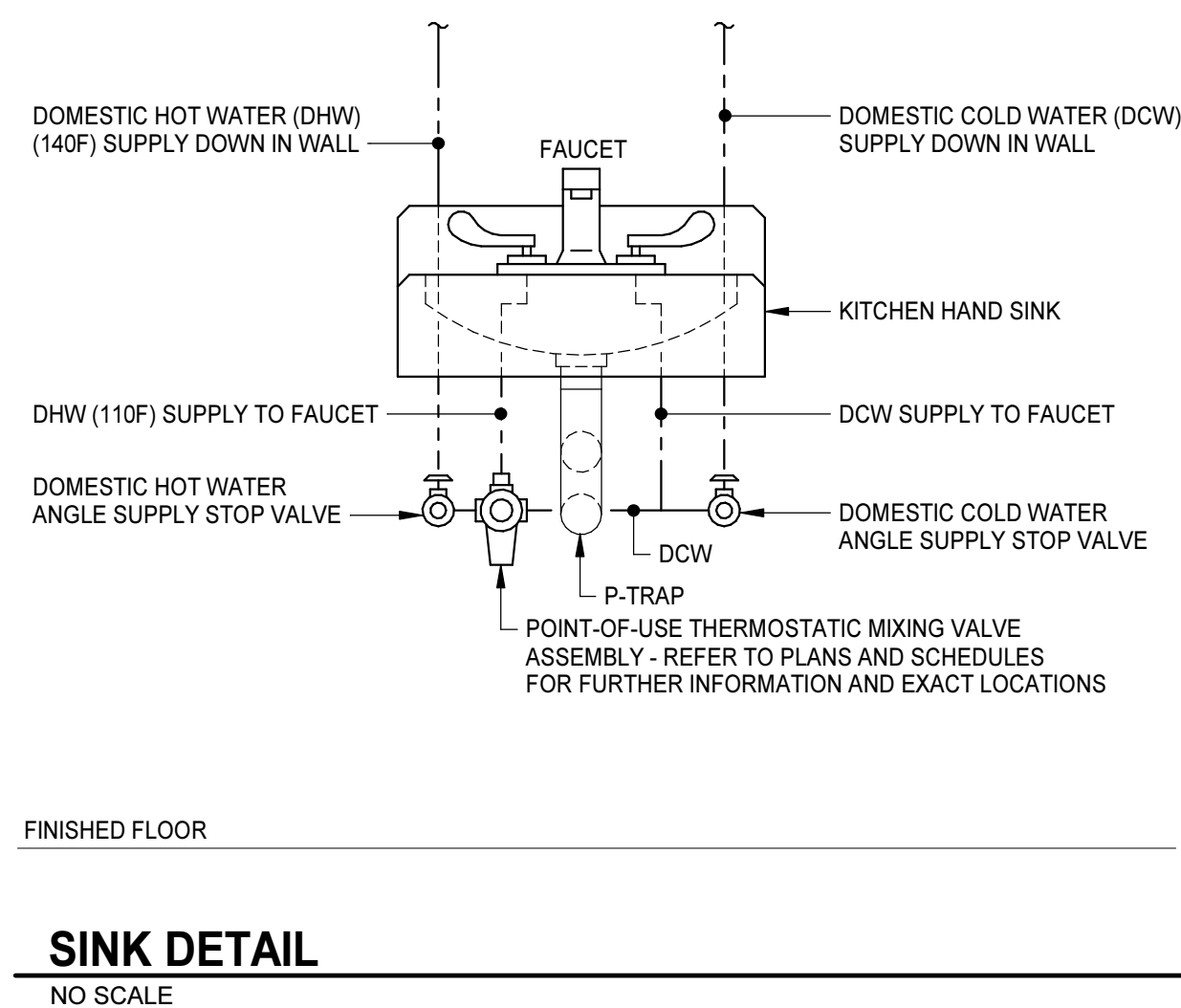
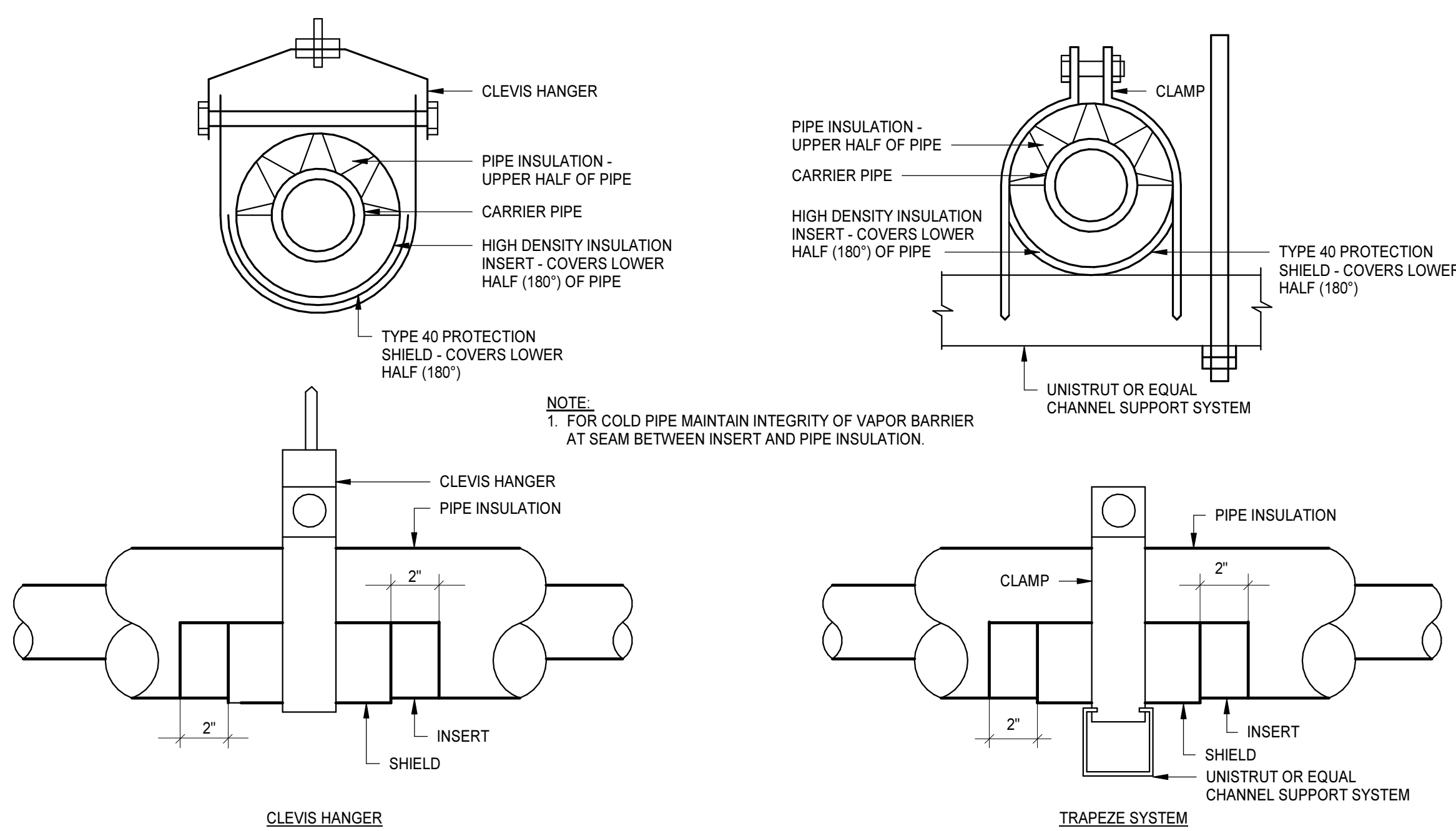
PIPE WITH SIZE AND SERVICE
FLOW IN DIRECTION OF ARROW
PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
PIPE CAP
PIPE TURNED DOWN
PIPE TURNED UP
PIPE TEE UP
PIPE TEE DOWN
UNION
CONCENTRIC PIPE REDUCTION
END OF LINE CLEANOUT PLUG
FLOOR CLEANOUT
WALL CLEANOUT
YARD CLEANOUT (CLEANOUT TO GRADE)
FLOOR DRAIN WITH TAG
FLOOR SINK WITH TAG
PRESSURE GAUGE WITH GAUGE COCK
LIQUID FILLED THERMOMETER
WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
FLOW SWITCH
TEMPERATURE/PRESSURE PLUG
VALVE
VALVE IN RISER
GAS COCK
VENTURI FLOW METER
MANUAL BALANCING VALVE
AUTOMATIC BALANCING VALVE WITH FLOW TAPS
SWING CHECK VALVE
PRESSURE REDUCING VALVE
SOLENOID OPERATED VALVE
TEMPERATURE AND PRESSURE RELIEF VALVE
BACKWATER VALVE
HOSE BIBB OR WALL HYDRANT
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
DOUBLE CHECK BACKFLOW PREVENTER
PUMP

POINT OF CONNECTION TO EXISTING
LIMIT OF DEMOLITION
KEYNOTE
STRUCTURAL GRID LINE WITH DESIGNATION
SPACE IDENTIFICATION TAG
SPACE NUMBER
BUILDING AREA (WHEN USED)
EQUIPMENT IDENTIFICATION TAG
EQUIPMENT NUMBER
UNIT DESIGNATION
SECTION WHERE CUT
SECTION LETTER
DRAWING WHERE SECTION IS INDICATED
ENLARGED PLAN WHERE CUT
ENLARGED PLAN NUMBER
DRAWING WHERE ENLARGED PLAN IS INDICATED
DETAIL TAG
DETAIL NUMBER
DRAWING WHERE DETAIL IS INDICATED
SANITARY RISER TAG
SANITARY RISER IDENTIFIER
DRAWING WHERE SANITARY RISER IS TAGGED
DOMESTIC RISER TAG
DOMESTIC RISER IDENTIFIER
DRAWING WHERE DOMESTIC RISER IS TAGGED
DETAIL TITLE
DETAIL NUMBER
DRAWING WHERE DETAIL IS INDICATED
ADDITIONAL DRAWING REFERENCES
SANITARY RISER DIAGRAM
SANITARY RISER DIAGRAM IDENTIFIER
DRAWING WHERE SANITARY RISER IS INDICATED
DRAWING WHERE SANITARY RISER IS TAGGED
ADDITIONAL DRAWING REFERENCES
DOMESTIC RISER DIAGRAM
DOMESTIC RISER DIAGRAM IDENTIFIER
DRAWING WHERE DOMESTIC RISER IS INDICATED
DRAWING WHERE DOMESTIC RISER IS TAGGED
ADDITIONAL DRAWING REFERENCES
FUEL GAS RISER DIAGRAM
FUEL GAS RISER DIAGRAM IDENTIFIER
DRAWING WHERE FUEL GAS RISER IS INDICATED
DRAWING WHERE FUEL GAS RISER IS TAGGED
ADDITIONAL DRAWING REFERENCES

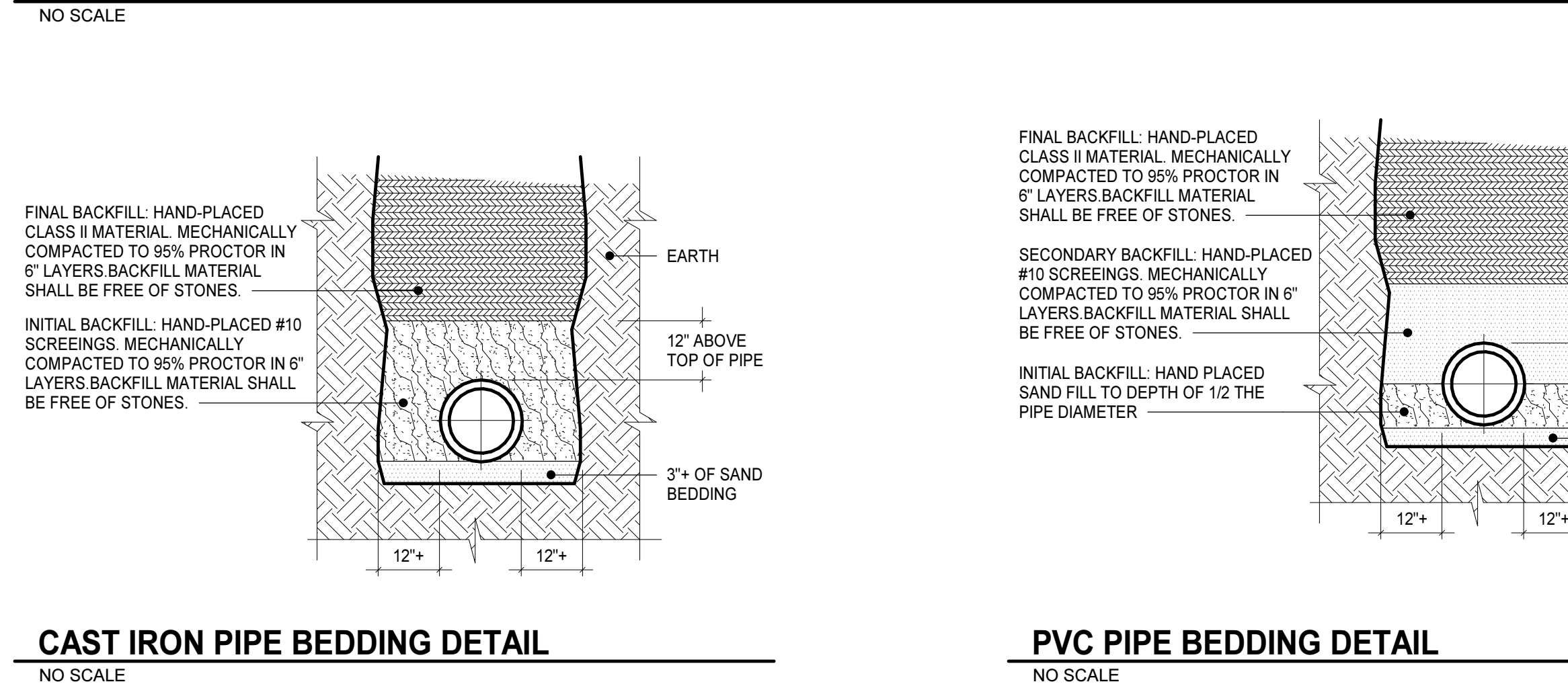
PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	HEIGHT A.F.F.	BASIS OF DESIGN	PIPE SIZE					NOTES
				COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
SK-1	SINK - SINGLE BASIN (ACCESSIBLE)	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY ELUHAD11655PD FAUCET: ELKAY LK6000	1/2"		1/2"	1 1/2"	1 1/2"	1, 2, 3
SK-2	SINK - DOUBLE BASIN (ACCESSIBLE)	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY ELUHAD311845PD FAUCET: ELKAY LK6000	1/2"		1/2"	1 1/2"	1 1/2"	1, 2, 3
SK-3	UTILITY SINK	RIM AT 30"	FIXTURE: ELKAY WNSF81302 FAUCET: ZURN Z8424A-XL-HCT-3F	1/2"		1/2"	1 1/2"	1 1/2"	1, 2, 3

NOTES:
1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. PROVIDE ASSE-1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET, ABOVE CEILING, OR BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW.
3. PROVIDE DISHWASHER HOOK-UP WHERE DISHWASHER IS PRESENT, CONNECT HW IN SINK BASE AND CONNECT SANITARY THRU AIR GAP FITTING OR HIGH LOOP HOSE DRAIN INTO DISHWASHER TAIL PIECE SINK DRAIN.



PIPE SUPPORT AND THERMAL SHIELD DETAILS

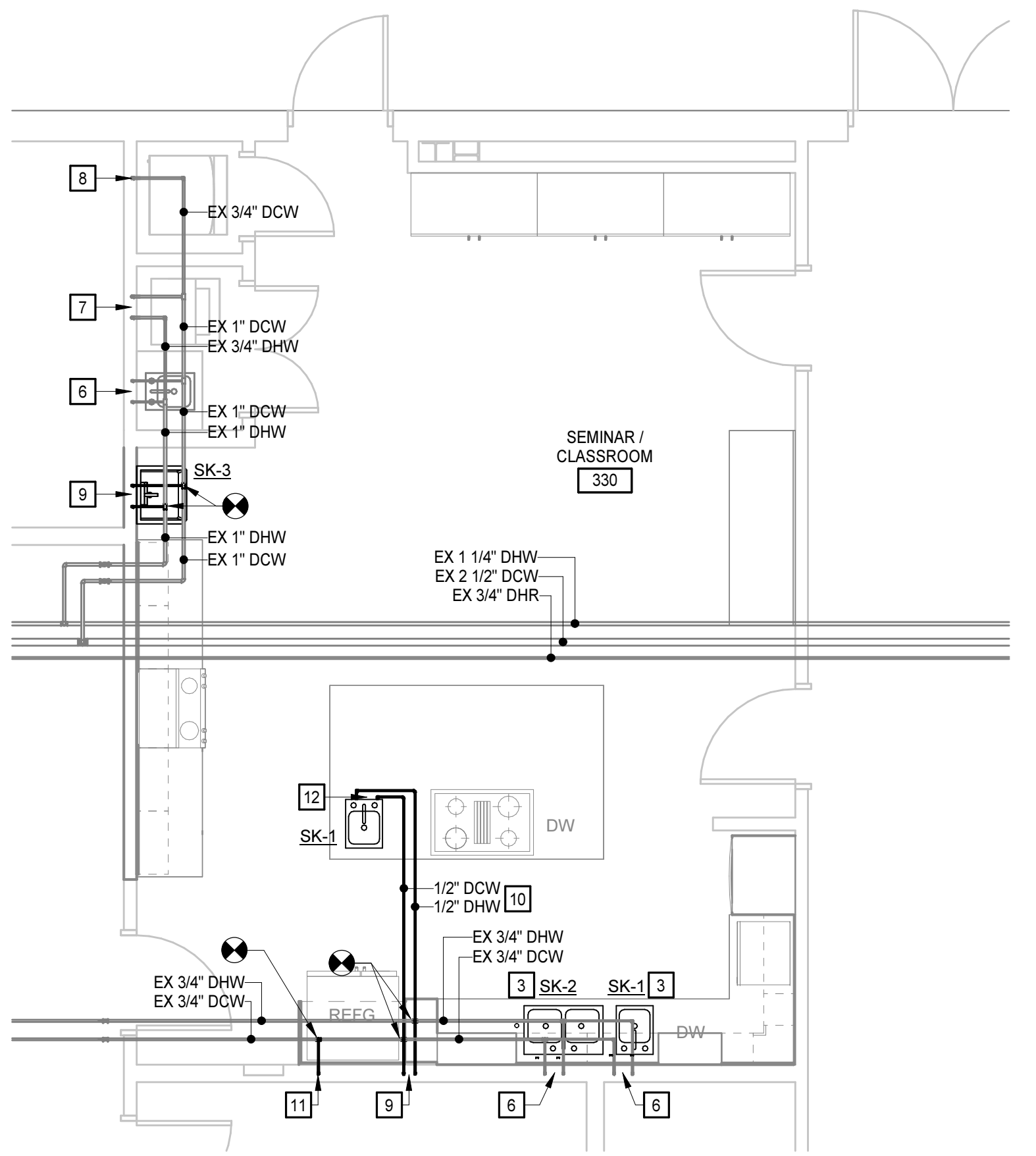


GENERAL NOTES

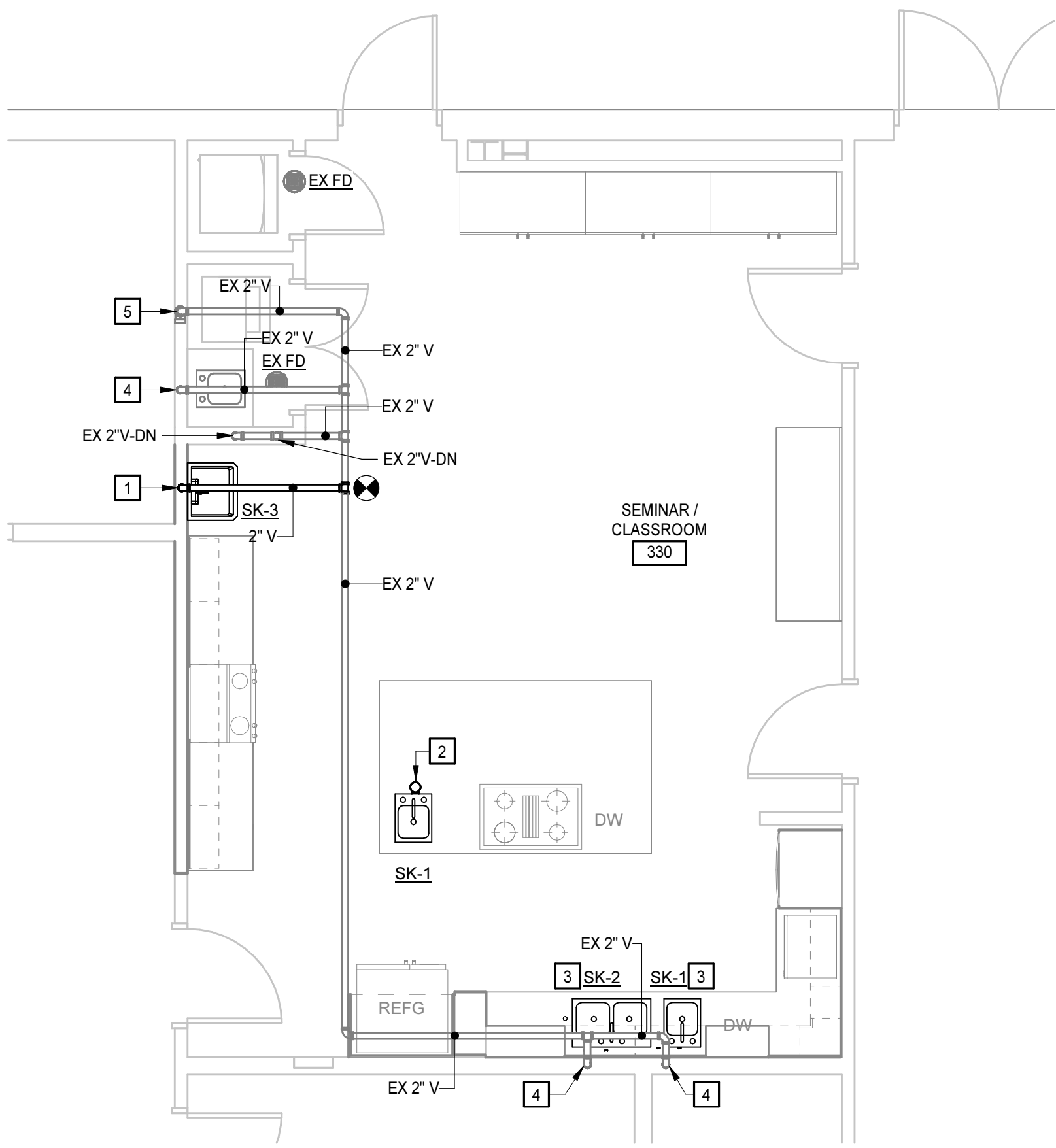
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.
- PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.
- PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.
- REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.
- OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.
- INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.
- PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.



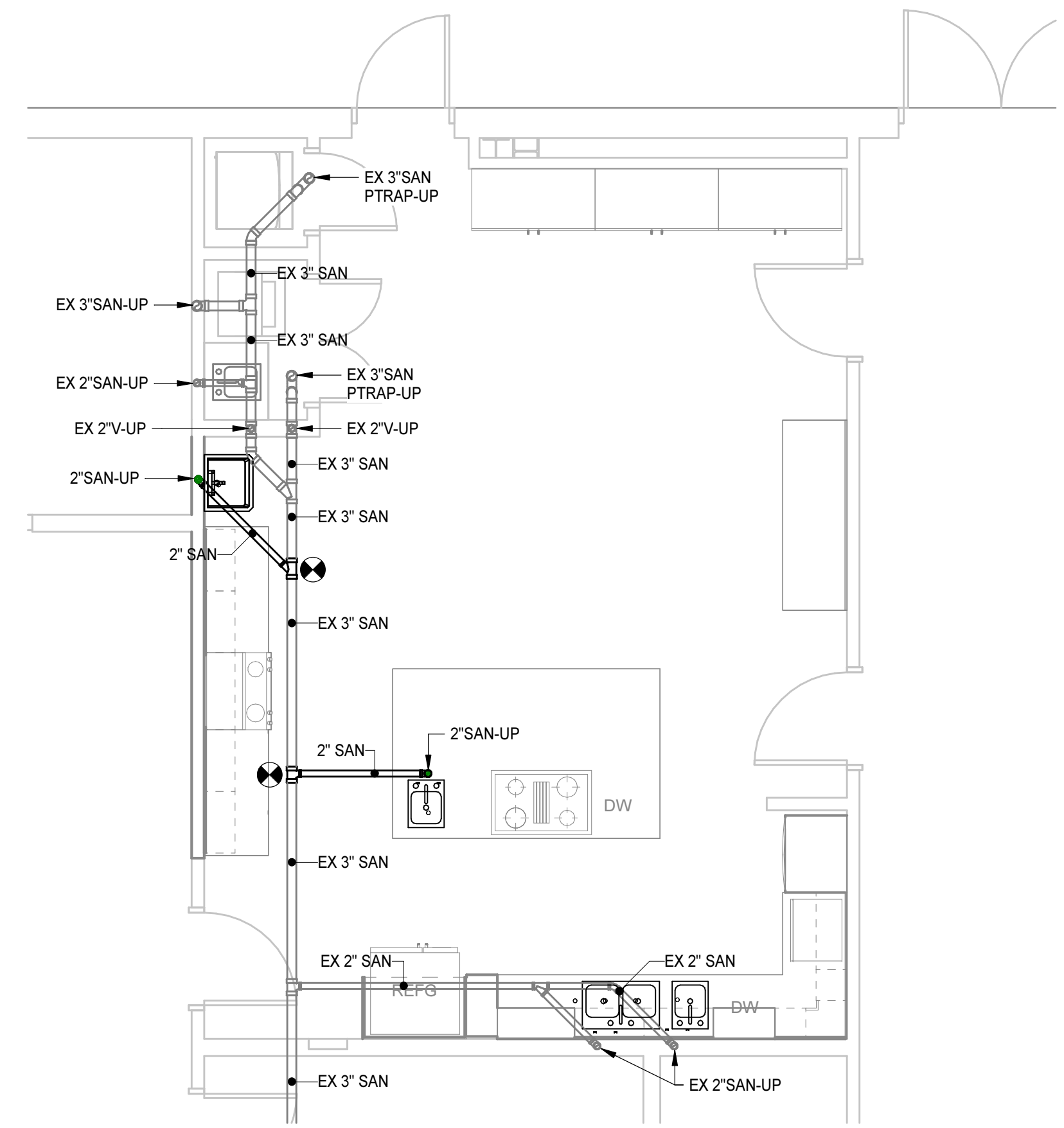
KEYNOTES	
APPLIES TO DRAWINGS P2.1	
REPRESENTED BY [n]	
1.	2" V-DN TO 2" SAN-DN
2.	2" AIR ADMITTANCE VALVE-DN TO 2" SAN-DN
3.	EXISTING SINK PLUMBING CONNECTIONS TO REMAIN AND USED FOR NEW SINK FIXTURE.
4.	EX 2" V-DN TO EX 2" SAN-DN
5.	EX 2" V-DN TO EX 3" SAN-DN
6.	EX 1/2" DOW AND EX 1/2" DHW-DN
7.	EX 3/4" DOW AND EX 3/4" DHW-DN
8.	EX 3/4" DOW-DN
9.	1/2" DOW AND 1/2" DHW-DN
10.	DOMESTIC COLD AND HOT WATER TYPE K FLEX COPPER PIPING TO RUN BELOW SLAB TO ISLAND SINK.
11.	1/2" DOW-DN
12.	1/2" DOW AND 1/2" DHW-UP FROM BELOW.



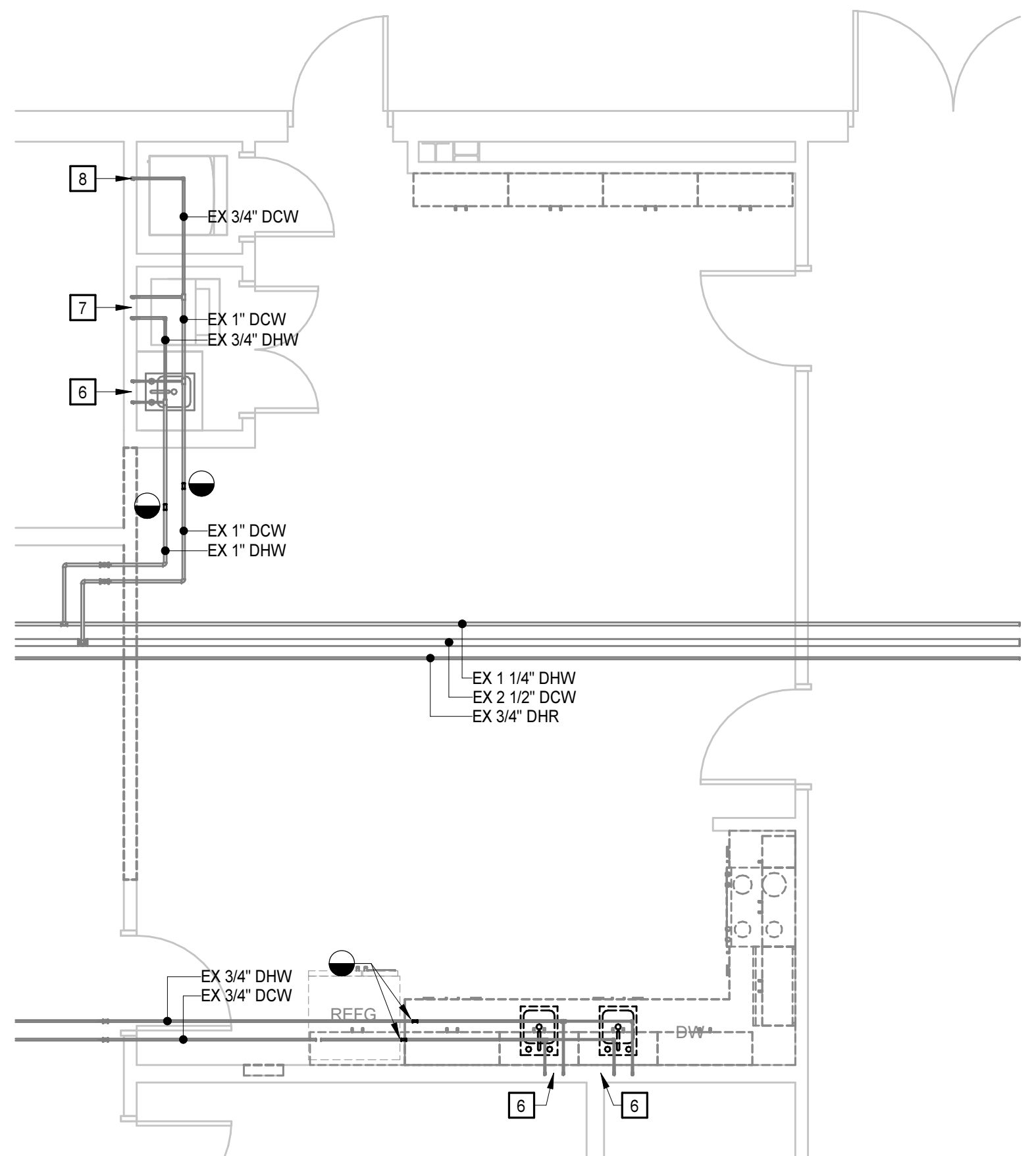
FIRST FLOOR PLAN - DOMESTIC
 1/4" = 1'-0"



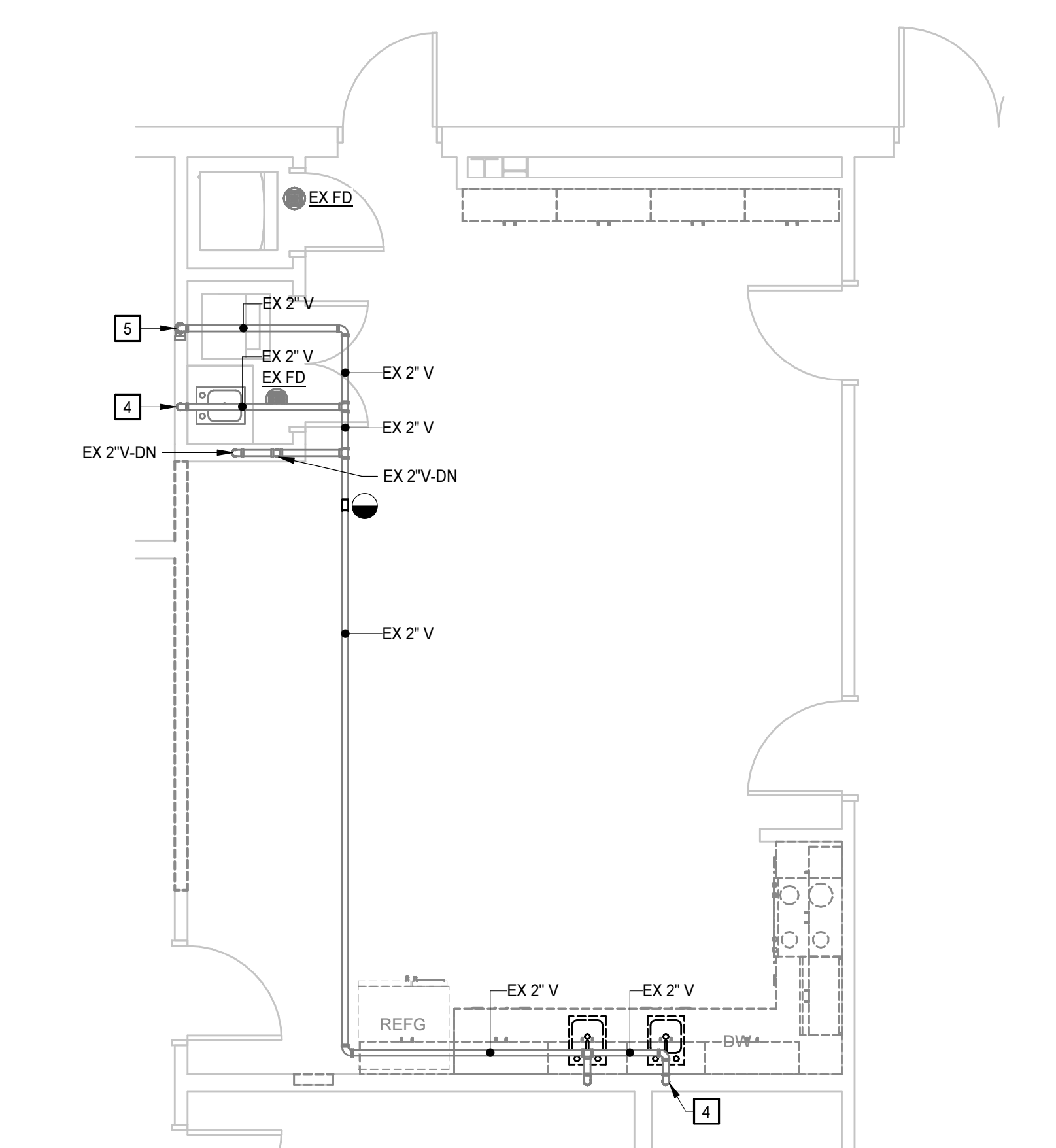
FIRST FLOOR PLAN - SANITARY
 1/4" = 1'-0"



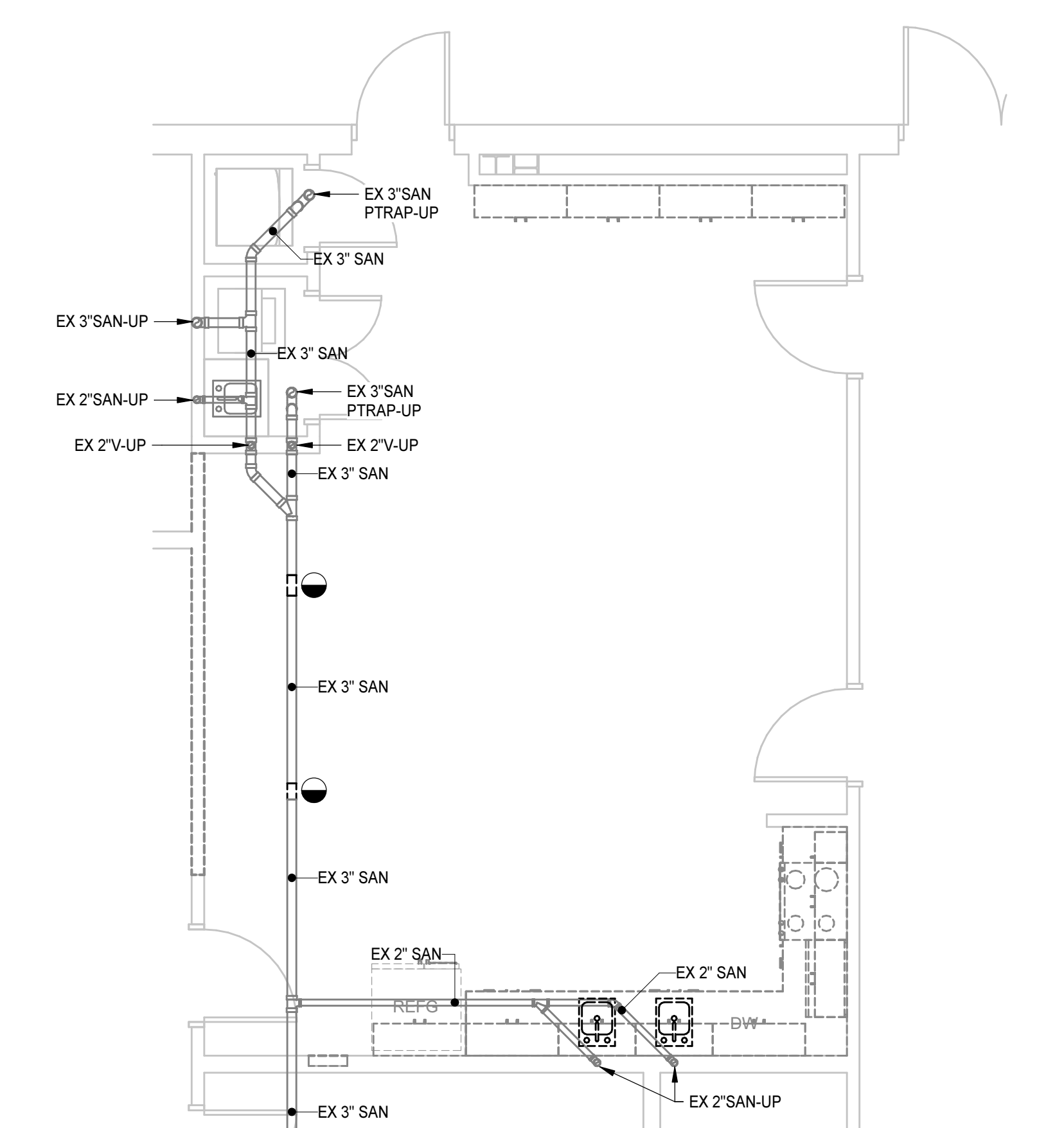
FOUNDATION PLAN - PLUMBING
 1/4" = 1'-0"



FIRST FLOOR PLAN - DEMOLITION - DOMESTIC
 1/4" = 1'-0"



FIRST FLOOR PLAN - DEMOLITION - SANITARY
 1/4" = 1'-0"



FOUNDATION PLAN - DEMOLITION - PLUMBING
 1/4" = 1'-0"

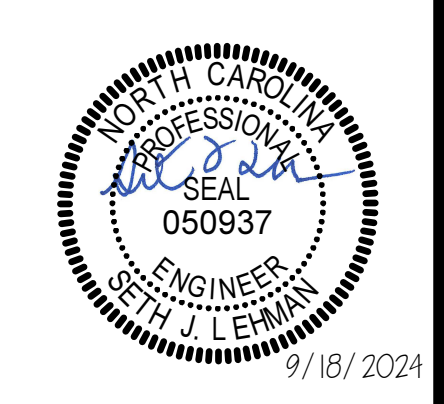
HARNETT CO AG CENTER KITCHEN RENOVATION

HARNETT CO
 126 ALEXANDER DRIVE, LILLINGTON, NC 27546

PROJECT NO:	840460
DATE:	SEPTEMBER 18, 2024

DATE	REVISIONS	DESCRIPTION

FLOOR PLANS - PLUMBING



PROJECT NO:	840460	DATE:	SEPTEMBER 18, 2024
REVISIONS		DATE	DESCRIPTION

GRAPHIC SYMBOL LEGEND

1 DETAIL TITLE
 SECTION NUMBER
 DRAWING WHERE DETAIL IS INDICATED
 DRAWING WHERE DETAIL IS REFERENCED
 ADDITIONAL DRAWING REFERENCES

1 SECTION TITLE
 SECTION NUMBER
 DRAWING WHERE SECTION IS INDICATED
 DRAWING WHERE SECTION IS REFERENCED
 ADDITIONAL DRAWING REFERENCES

SECTION CALLOUT
 SECTION NUMBER
 DRAWING WHERE SECTION IS INDICATED

ENLARGED PLAN CALLOUT
 ENLARGED PLAN NUMBER
 DRAWING WHERE ENLARGED PLAN IS INDICATED

MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

DUCTWORK LEGEND

18x8	RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)	MANUAL BALANCING DAMPER IN DUCT
18ø	ROUND DUCT SIZE	FIRE DAMPER IN DUCT
18x12	FLAT OVAL DUCT SIZE	SMOKE DAMPER IN DUCT
18ø	DOUBLE WALL, EXPOSED DUCT	COMBINATION FIRE/SMOKE DAMPER IN DUCT
18ø	FABRIC DUCT	FIRE DAMPER WITH SECURITY BARS IN DUCT
[Symbol]	FLEXIBLE DUCTWORK	SMOKE DAMPER WITH SECURITY BARS IN DUCT
[Symbol]	FLEXIBLE CONNECTOR	COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
[Symbol]	DUCT-MOUNTED SMOKE DETECTOR	MOTORIZED DAMPER IN DUCT
[Symbol]	DUCT WITH DUCT LINER	SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
[Symbol]	DUCT ACCESS DOOR	SMOKE CONTROL MOTORIZED DAMPER IN DUCT
[Symbol]	DUCT WITH END CAP	SECURITY BARS IN DUCT
[Symbol]	LINEAR SLOT DIFFUSER, LENGTH AS INDICATED	DUCT WITH ACCESS PANEL
[Symbol]	LINEAR BAR GRILLE, LENGTH AS INDICATED	SUPPLY/MAKEUP AIR DUCT SECTIONS
[Symbol]	SUPPLY DIFFUSER	RETURN AIR DUCT SECTIONS
[Symbol]	RETURN OR EXHAUST GRILLE	EXHAUST AIR DUCT SECTIONS
[Symbol]	SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL	SMOKE DETECTOR
[Symbol]	POINT OF CONNECTION TO EXISTING	HUMIDITY SENSOR
[Symbol]	LIMIT OF DEMOLITION	THERMOSTAT, LINE VOLTAGE
[Symbol]	SUPPLY AIRFLOW ARROW	THERMOSTAT, LOW VOLTAGE
[Symbol]	RETURN OR EXHAUST AIRFLOW ARROW	TEMPERATURE SENSOR
[Symbol]	DOOR UNDERCUT	CARBON DIOXIDE SENSOR
[Symbol]	DOOR LOUVER	CARBON MONOXIDE SENSOR
[Symbol]	SENSOR WELL	

PIPING LEGEND

[Symbol]	END OF LINE CLEANOUT PLUG	VALVE
[Symbol]	CLEANOUT PLUG	MANUAL BALANCING VALVE WITH FLOW TAPS
[Symbol]	PRESSURE GAUGE WITH GAUGE COCK	AUTOMATIC BALANCING VALVE WITH FLOW TAPS
[Symbol]	LIQUID FILLED THERMOMETER	SWING CHECK VALVE
[Symbol]	UNION	PRESSURE REDUCING VALVE
[Symbol]	STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION	TRIPLE DUTY VALVE
[Symbol]	FLEXIBLE PIPE CONNECTOR	GAS COCK
[Symbol]	MANUAL AIR VENT	PRESSURE-RELIEF VALVE
		TWO-WAY CONTROL VALVE
		THREE-WAY CONTROL VALVE
		DIRECTION OF FLOW

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, CONDUITS, EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.

C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE. NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONTRACTING WORK.

G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.

H. INSTALL PIPING, DUCTWORK AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.

I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.

J. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.

K. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

L. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.

M. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

EQUIPMENT ABBREVIATION

AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
CCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
F	FAN
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

ABBREVIATIONS

A	AMPERES
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
DHP	DRIVE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBa	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
PLV	INTEGRATED PART-LOAD VALVE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RL	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE-FREQUENCY DRIVE
VIF	VERIFY IN FIELD
W	WATT(S)
W	WITH
WO	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WMM	WELDED WIRE MESH

CONTROLS ABBREVIATIONS

AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

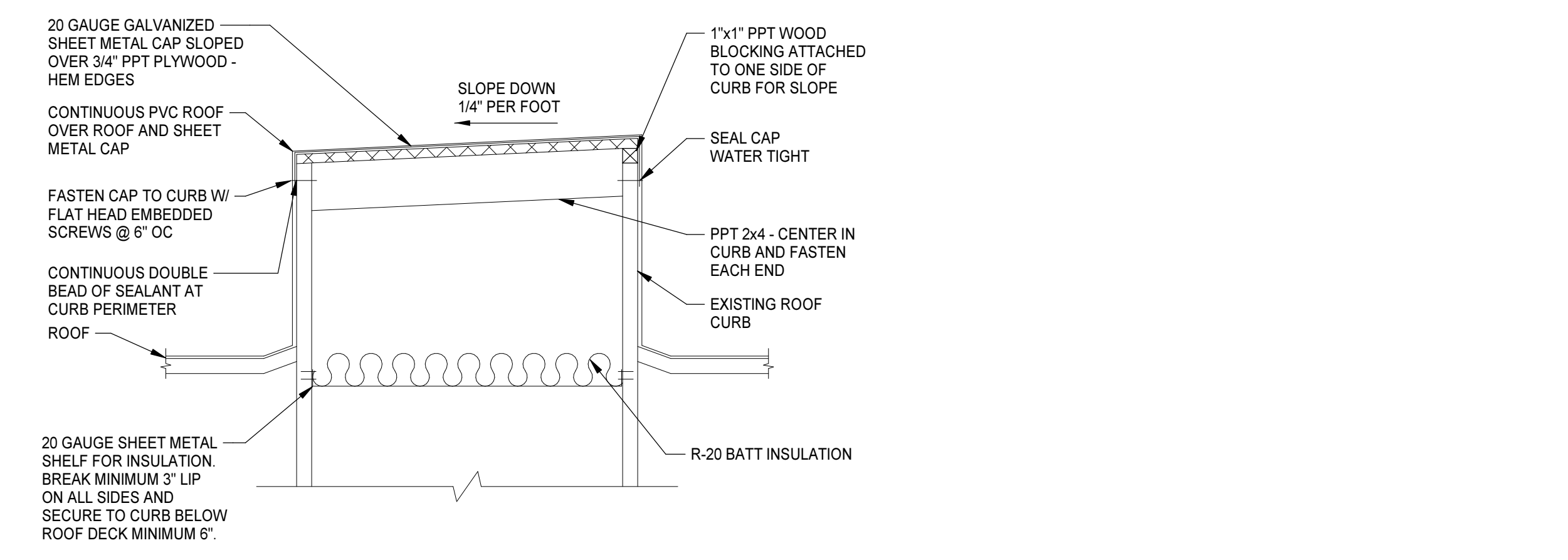
KEYNOTES

APPLIES TO THIS DRAWING REPRESENTED BY [X]

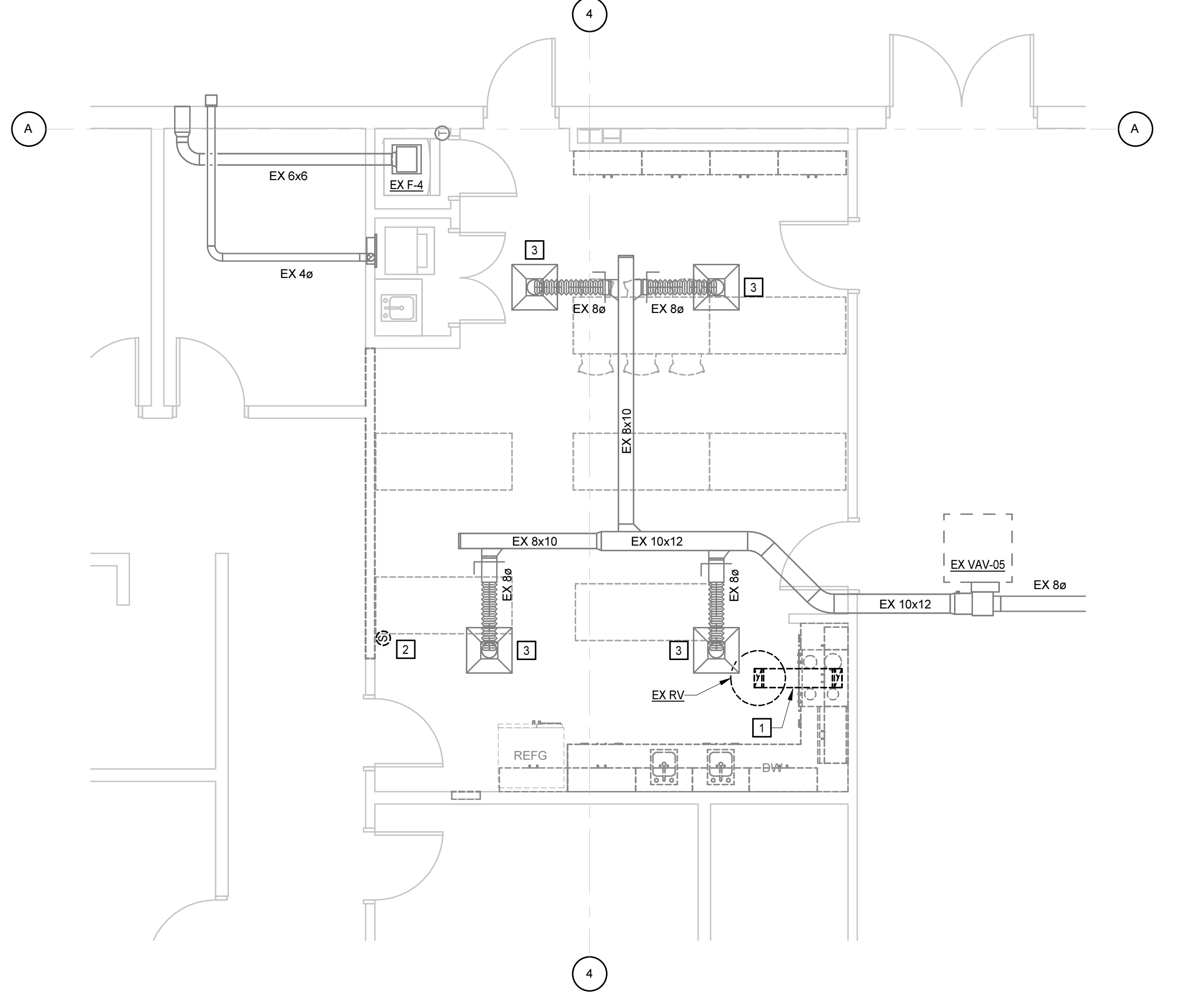
- REMOVE RANGE HOOD EXHAUST AND ROOF VENTILATOR. PROVIDE CURB CAP. REFER TO EXISTING ROOF CURB CAP DETAIL FOR ADDITIONAL DETAILS.
- REMOVE AND RETAIN EXISTING TEMPERATURE SENSOR. RELOCATE TO LOCATION INDICATED AND RECONNECT SENSOR.
- REMOVE & CLEAN EXISTING DIFFUSERS AND RE-INSTALL.

CONTROL SYMBOL LEGEND

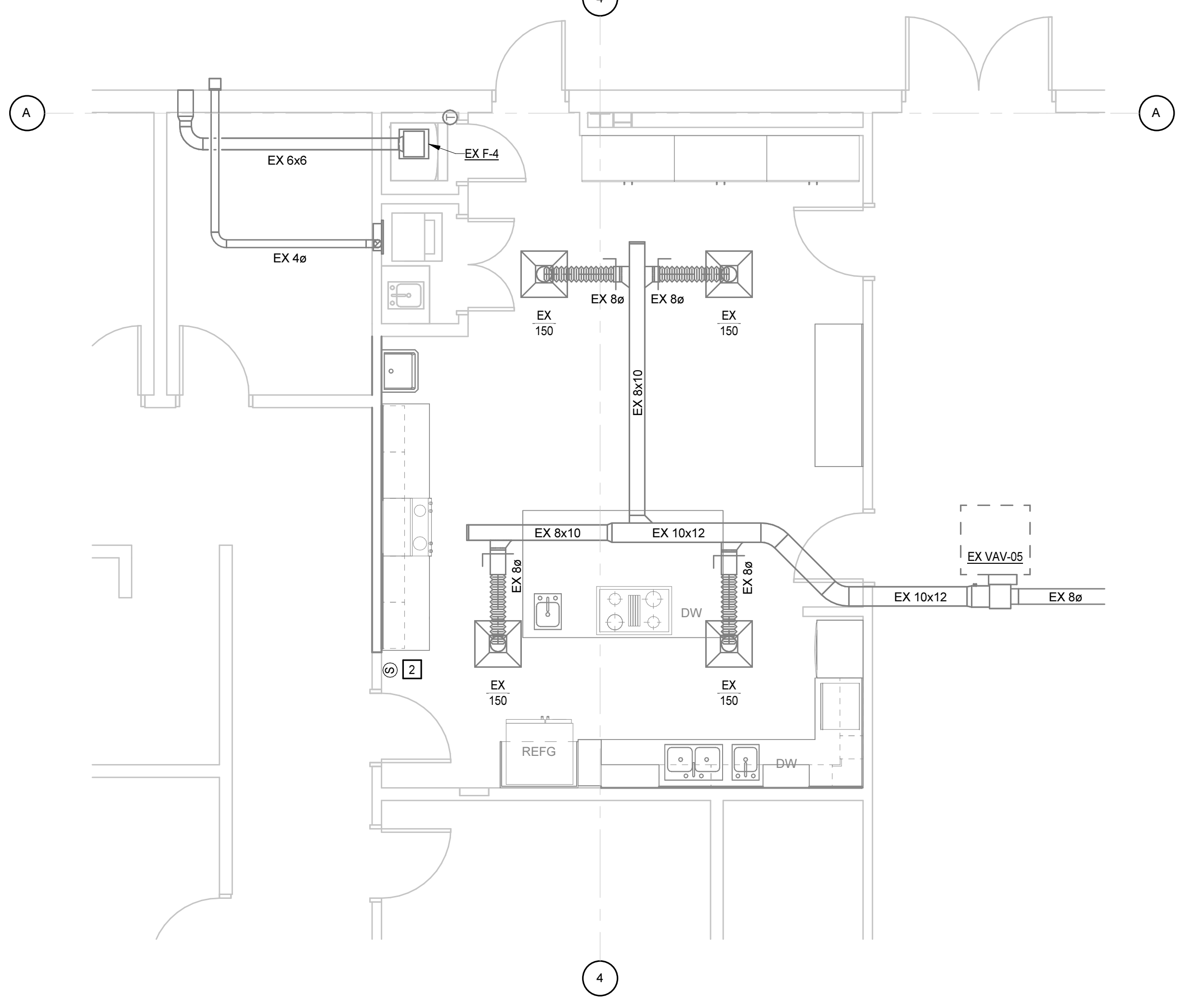
[Symbol]	CIRCULATOR OR PUMP	[Symbol]	NORMALLY OPEN CONTACT
[Symbol]	MOTORIZED 2-WAY VALVE	[Symbol]	NORMALLY CLOSED CONTACT
[Symbol]	MOTORIZED 3-WAY VALVE	[Symbol]	WIRING OR DEVICE PROVIDED UNDER DIVISION 23
[Symbol]	VARIABLE FREQUENCY DRIVE	[Symbol]	WIRING OR DEVICE NOT PROVIDED UNDER DIVISION 23
[Symbol]	DIRECT DIGITAL CONTROLLER	[Symbol]	WIRING CONNECTION BY DIVISION 23
[Symbol]	THERMOSTAT	[Symbol]	WIRING CONNECTION BY OTHERS
[Symbol]	FREEZESTAT	[Symbol]	NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
[Symbol]	CONTACTOR	[Symbol]	MOTORIZED PARALLEL BLADE DAMPER
[Symbol]	RELAY	[Symbol]	MOTORIZED OPPOSED BLADE DAMPER
[Symbol]	SPACE TEMPERATURE SENSOR	[Symbol]	MOTORIZED BUTTERFLY BLADE DAMPER
[Symbol]	LINE VOLTAGE THERMOSTAT	[Symbol]	SUPPLY, RETURN, OR EXHAUST FAN
[Symbol]	HAND-OFF-AUTOMATIC SWITCH	[Symbol]	AIRFLOW DIRECTION
[Symbol]	DUCT-MOUNTED SMOKE DETECTOR	[Symbol]	CONTROL POINT INDICATOR
[Symbol]	TRANSFORMER	[Symbol]	INPUT OR OUTPUT (ANALOG INPUT)
[Symbol]	FUSE	[Symbol]	DEVICE TYPE (AIR TEMPERATURE SENSOR)
		[Symbol]	CONTROL POINT INDICATOR
		[Symbol]	INPUT OR OUTPUT (ANALOG INPUT)
		[Symbol]	DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
		[Symbol]	CONTROL POINT INDICATOR
		[Symbol]	INPUT OR OUTPUT (ANALOG INPUT)
		[Symbol]	DEVICE TYPE (CURRENT SENSING RELAY)



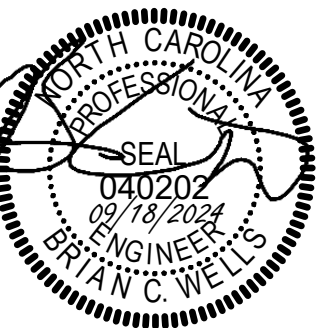
EXISTING ROOF CURB CAP DETAIL
NO SCALE



PARTIAL FIRST FLOOR PLAN - DEMOLITION
1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN - DUCTWORK
1/4" = 1'-0"



PROJECT NO:	640460
DATE:	SEPTEMBER 18, 2024
REVISIONS	
DATE	DESCRIPTION

FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
	FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. #/# INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
	FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE WITH DEVICE GUARD, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. #/# INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
	FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10" AFF.
	FIRE ALARM KEY OPERATED MANUAL PULL STATION, MOUNT AT +3'-10" AFF.
	FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR.
	SMOKE DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
	HEAT DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
	FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
	FIRE ALARM REMOTE INDICATOR, CEILING MOUNT.
	FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
	FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.
	FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0" AFF.
	FIRE ALARM MAGNETIC DOOR HOLDER, WALL MOUNT DEVICE AT 6" BELOW TOP OF DOOR. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE. COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 120-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION.
	FIRE ALARM DOOR HOLDER/CLOSER HARDWARE UNDER DIVISION 08, MONITOR AND CONTROL INTERFACE WITH FIRE ALARM UNDER DIVISION 28.
	FIRE ALARM POWER CONNECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE WITH DIVISION 23. REFER TO TYPICAL FIRE/SMOKE DAMPER DIAGRAM.

AVERAGE MAINTAINED ILLUMINATION LEVELS

TASK	FOOTCANDLES
CLASSROOMS	55
MEDIA CENTER	50
OFFICES	50
BUSINESS	55
STUDIO	60
SCIENCE LAB	70
ELECTRICAL ROOMS	30
MECHANICAL ROOMS	30
COMPUTER LABS	30
GYM	50
LOCKER ROOMS	20
LOBBIES/CORRIDORS	15
TOILETS	20
KITCHEN	70
DINING	40
AUDITORIUM	10-30
STOREROOMS	20
WHITEBOARDS	30

POWER LEGEND	
SYMBOL	DESCRIPTION
	APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
	APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. UNO
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-8" AFF.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
	SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	SPD DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICES. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	POWER/COMMUNICATIONS POKE THRU FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	POWER/COMMUNICATIONS POKE THRU FLOOR BOX. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICES. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
	SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLOOR BOX. COORDINATE WITH SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLUSH WALL BOX MOUNTED 4" AFF. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	POWER/COMMUNICATIONS POWER POLE, FURNISHED WITH (NIC) SYSTEM FURNITURE. PROVIDE J-BOX MTD TO STRUCTURE ABOVE C.L.G. AND FLEXIBLE CONDUIT CONNECTION TO J-BOX MTD TO TOP OF POLE AND CONNECTED TO PIT(R)S FURNISHED WITH POLE. POLE LOCATION IS APPROXIMATE. COORDINATE WITH SYSTEM FURNITURE PROVIDER.
	LINE VOLTAGE THERMOSTAT, DIVISION 23 FURNISH, DIVISION 28 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
	PUSHBUTTON CONTROLLER.
	PUSHBUTTON.
	RECEPTACLE, CEILING MOUNT.
	(NON-) METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6" AFF, UNO.
	JUNCTION BOX
	JUNCTION BOX, UNDER FLOOR MOUNT.
	ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED.
	MUSHROOM SWITCH, HEAVY DUTY WITH LEGEND PLATE. MOUNT WITH HANDLE AT +3'-10" AFF, UNO.
	MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT WITH HANDLE AT +3'-10" AFF, UNO.
	DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT WITH HANDLE AT +4'-6" AFF, UNO.
	MAGNETIC MOTOR STARTER, WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT WITH HANDLE AT +4'-6" AFF, UNO.
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH, WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT WITH HANDLE AT +4'-6" AFF, UNO.
	EQUIPMENT POWER CONNECTION.
	MOTOR CONNECTION.
	CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.
	POWER FOR ELECTRIC DOOR LOCK CONNECTION.
	POWER FOR ELECTRIC DOOR STRIKE CONNECTION.
	EMERGENCY GENERATOR.
	BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
	STRAIGHT LINEWORK FOR CIRCUITRY INDICATES ON EMERGENCY POWER CIRCUIT. INDICATED FOR CLARITY ONLY. ACTUAL HOMERUN DESIGNATION OVERRIDES THIS SYMBOLGY.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.
	PANELBOARD.
	TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.
	RELAY, NO OR NC AS INDICATED.
	RELAY, NORMALLY OPEN.
	RELAY, NORMALLY CLOSED.
	FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.

GRAPHICS SYMBOLS LEGEND	
	SPACE IDENTIFICATION TAG SPACE NUMBER BUILDING AREA (WHEN USED)
	SECTION WHERE CUT DRAWING WHERE SECTION IS INDICATED
	ENLARGED PLAN WHERE CUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	DETAIL TITLE DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED ADDITIONAL DRAWING REFERENCES
	SECTION TITLE SECTION NUMBER DRAWING WHERE SECTION IS INDICATED ADDITIONAL DRAWING REFERENCES

COMMUNICATIONS LEGEND	
SYMBOL	DESCRIPTION
	TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +3'-10" AFF.
	TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +1'-6" AFF.
	RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING.
	INTERCOM STATION WITH PUSHBUTTON, MOUNT AT +4'-6" AFF.
	PUSHBUTTON SWITCH, MOUNT AT +4'-6" AFF. SUBSCRIPT 'E' INDICATES EMERGENCY FUNCTIONS.
	CATV OUTLET, MOUNT AT +1'-6" [7'-6" AFF.
	WALL CLOCK, MOUNT AT +7'-6" AFF. SUBSCRIPT 'D' INDICATES DOUBLE FACE CLOCK.
	WALL CLOCK, CEILING MOUNT. SUBSCRIPT 'D' INDICATES DOUBLE FACE CLOCK. ARROWS INDICATE FACE DIRECTION.
	MICROPHONE OUTLET, WALL MOUNT AT +1'-6" AFF, FLUSH FLOOR MOUNT. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET.
	SOUND SYSTEM SPEAKER, RECESS WALL MOUNT AT +7'-6" AFF. 'WG' WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
	SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. 'WG' WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO TYPICAL COMMUNICATION OUTLET DETAIL. FOR BOX AND CONDUIT REQUIREMENTS.
	POWER/COMMUNICATIONS RECESSED FLOOR BOX ON EMERGENCY POWER. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO TYPICAL COMMUNICATION OUTLET DETAIL. FOR BOX AND CONDUIT REQUIREMENTS.
	POWER/COMMUNICATIONS POKE THRU FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB-UP AT NEAREST COMMUNICATION CROSS-CONNECT. UNO. REFER TO TYPICAL COMMUNICATION OUTLET DETAIL.
	POWER/COMMUNICATIONS POKE THRU FLOOR BOX ON EMERGENCY POWER. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB-UP AT NEAREST COMMUNICATION CROSS-CONNECT. UNO. REFER TO TYPICAL COMMUNICATION OUTLET DETAIL.
	SYSTEM FURNITURE COMMUNICATIONS CONNECTIONS VIA FLOOR BOX. PROVIDE 1.25" CONDUIT BELOW SLAB TO STUB-UP AT NEAREST COMMUNICATION BACK BOARD. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA FLUSH WALL BOX MOUNTED +4" AFF. PROVIDE 1.25" CONDUIT WITH BUSHINGS FROM BOX TO ABOVE CEILING. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA POWER POLE FURNISHED WITH SYSTEM FURNITURE. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
	WIRELESS ACCESS POINT
	TELECOMMUNICATIONS EQUIPMENT RACK.
	2' EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.
	TELECOMMUNICATIONS GROUND BUS BAR, MOUNT AT +1'-6" AFF.
	TELECOMMUNICATIONS MAIN GROUND BUS BAR, MOUNT AT +1'-6" AFF.
	CABLE TRAY, MOUNT AT +6" ABOVE FINISHED CEILING.

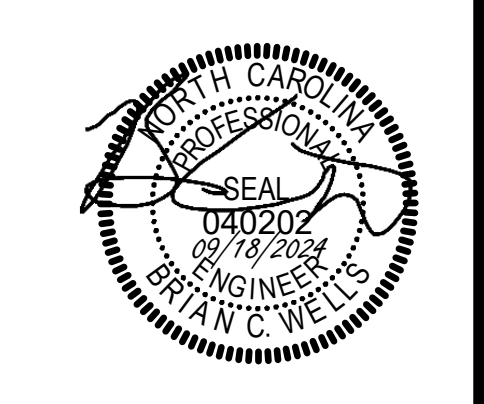
LIGHTING LEGEND	
SYMBOL	DESCRIPTION
	LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-10" AFF. SUBSCRIPT/SUPERSCRIPIT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS: 3 INDICATES 3-WAY LIGHT SWITCH 4 INDICATES 4-WAY LIGHT SWITCH D INDICATES DIMMER SWITCH P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON K INDICATES KEY OPERATED LIGHT SWITCH OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR OD ₂ INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR OS ₂ INDICATES DUAL RELAY INTEGRAL OCCUPANCY SENSOR, WIRED FOR MULTI-LEVEL SWITCHING LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION INDICATES SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING. OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT. DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING. PHOTOELECTRIC CELL FOR LIGHTING CONTROL, WALL MOUNT AT +10'-0" AFF. AIM NORTH. LIGHT FIXTURE, CEILING MOUNT. LIGHT FIXTURE ON EMERGENCY BATTERY PACK, CEILING MOUNT. LIGHTING FIXTURE. LIGHTING FIXTURE ON EMERGENCY POWER. WALL WASHER LIGHTING FIXTURE. LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED. EMERGENCY EGRESS LIGHTING FIXTURE, WITH BATTERY PACK, WALL MOUNT AT +6'-0" AFF. EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN. EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN. TRACK LIGHTS. LIGHT FIXTURE, POLE MOUNT. SPORTS LIGHTING POLE.

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
	REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
	DEVICES ARE EXISTING TO REMAIN.
	WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

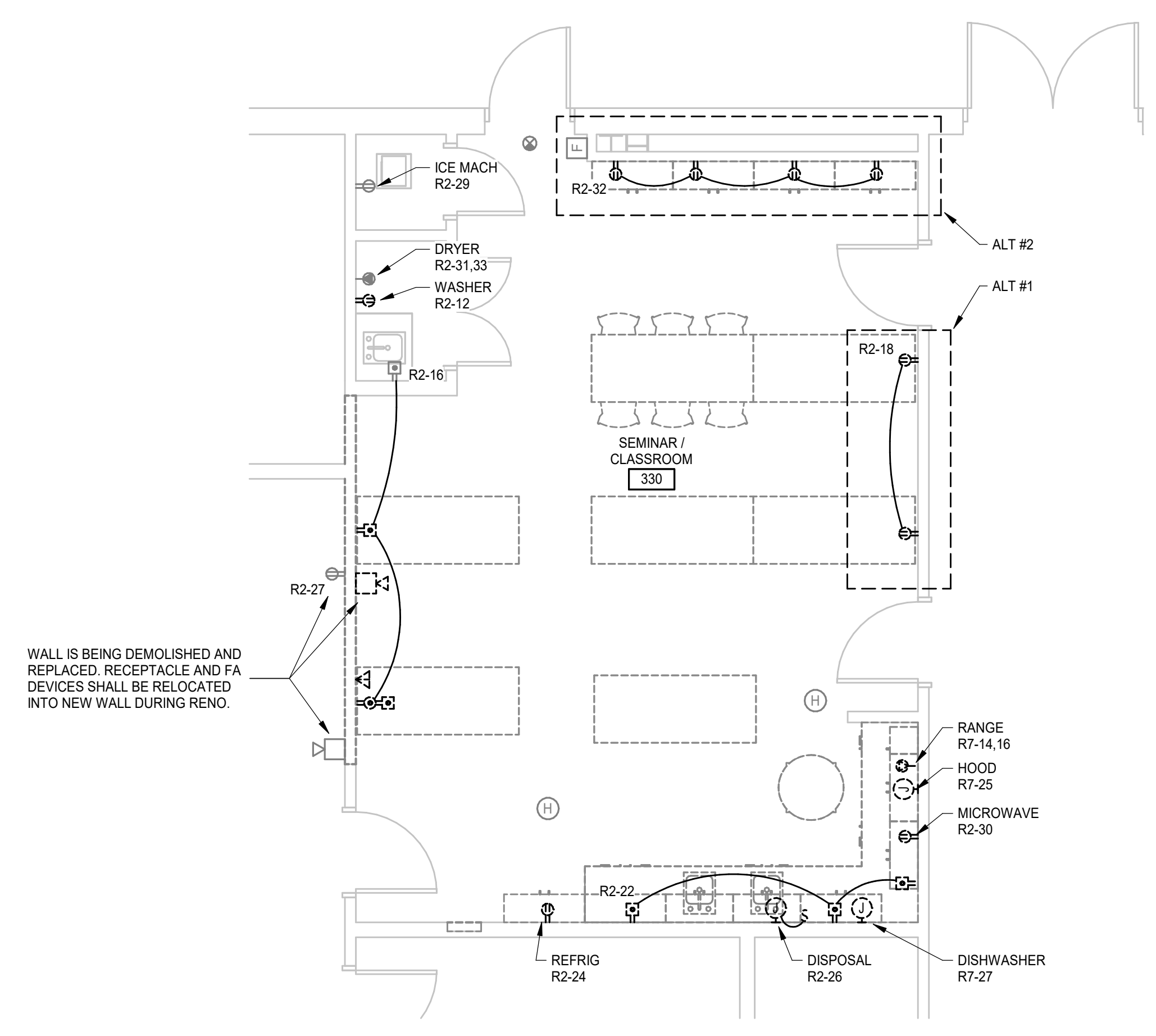
GENERAL DEMOLITION NOTES	
A.	PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.
B.	REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION, ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
C.	MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
D.	BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
E.	EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
F.	DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
G.	WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
H.	DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

GENERAL NOTES	
A.	THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
B.	FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.
C.	FIELD VERIFY EXACT FEEDER LOCATIONS FROM MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
D.	EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.
E.	LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.
F.	PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.
G.	PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.
H.	ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC. COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.
I.	ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.
J.	WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.
K.	ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.
L.	WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.
M.	PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

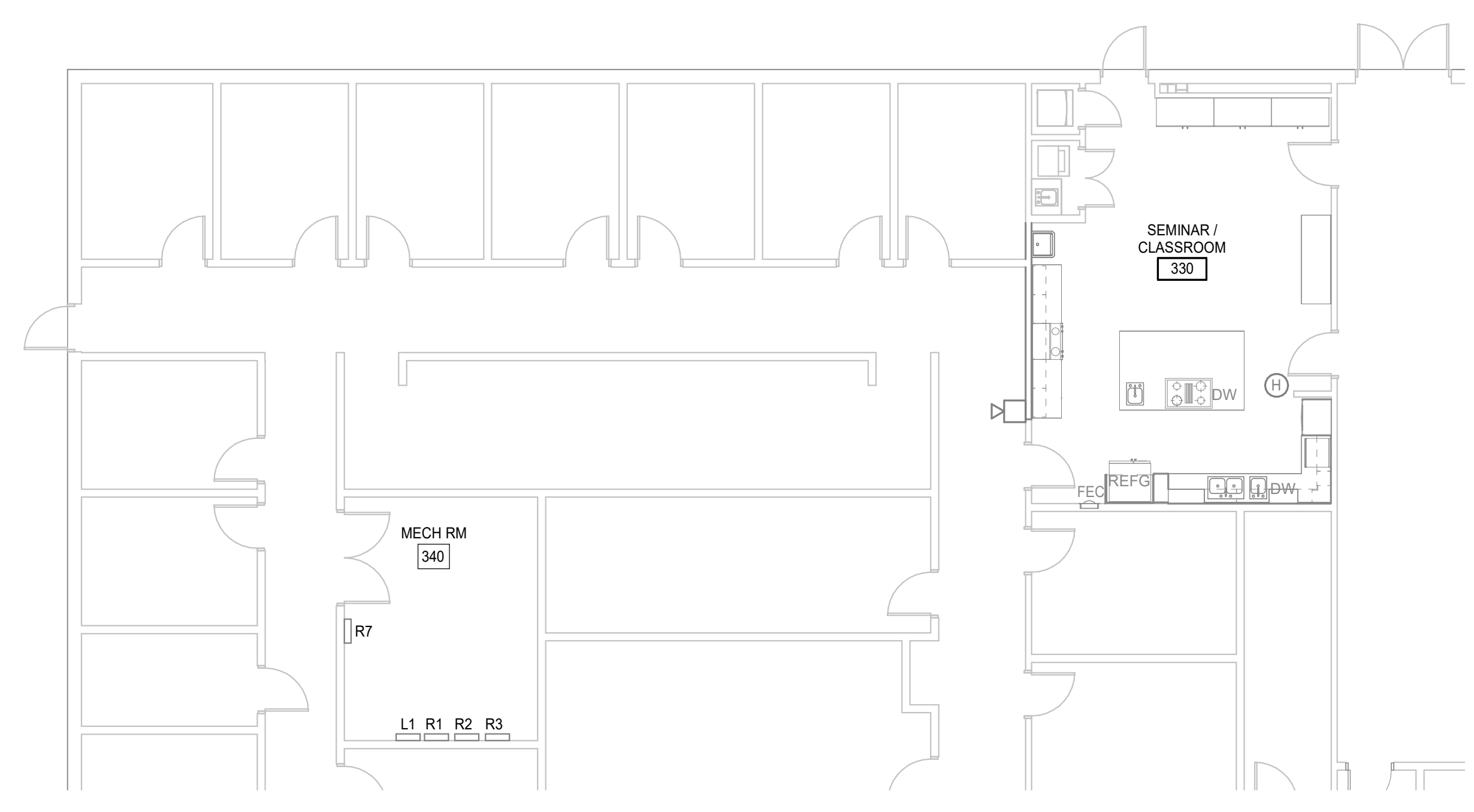
ABBREVIATIONS	
1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
A	AMPS
AF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FFSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL
FLA	FULL LOAD AMPS
FPMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
Hz	HERTZ
IAW	IN ACCORDANCE WITH
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KHFS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM
KHz	KILOHERTZ
KVA	KILOVOLT AMPS
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LOOKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	METAL HALIDE
MHz	MEGAHERTZ
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MMS	MASS NOTIFICATION SYSTEM
MOSP	MAXIMUM OVER CURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NO	NUMBER
OCFI	OWNER FURNISHED CONTRACTOR INSTALLED PILOT LIGHT (AT THE SWITCH HANDLE)
P	PANELBOARD
PBD	PROTECTIVE DEVICE
RCPT	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC.	SPECIFICATIONS
STC	SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TO	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
W	WATTS
W	WITH
WG	WIRE GUARD
WP	WEATHERPROOF
XFER	TRANSFER
XPMR	TRANSFORMER



PROJECT NO:	840460
DATE:	SEPTEMBER 18, 2024
REVISIONS	
DATE	DESCRIPTION



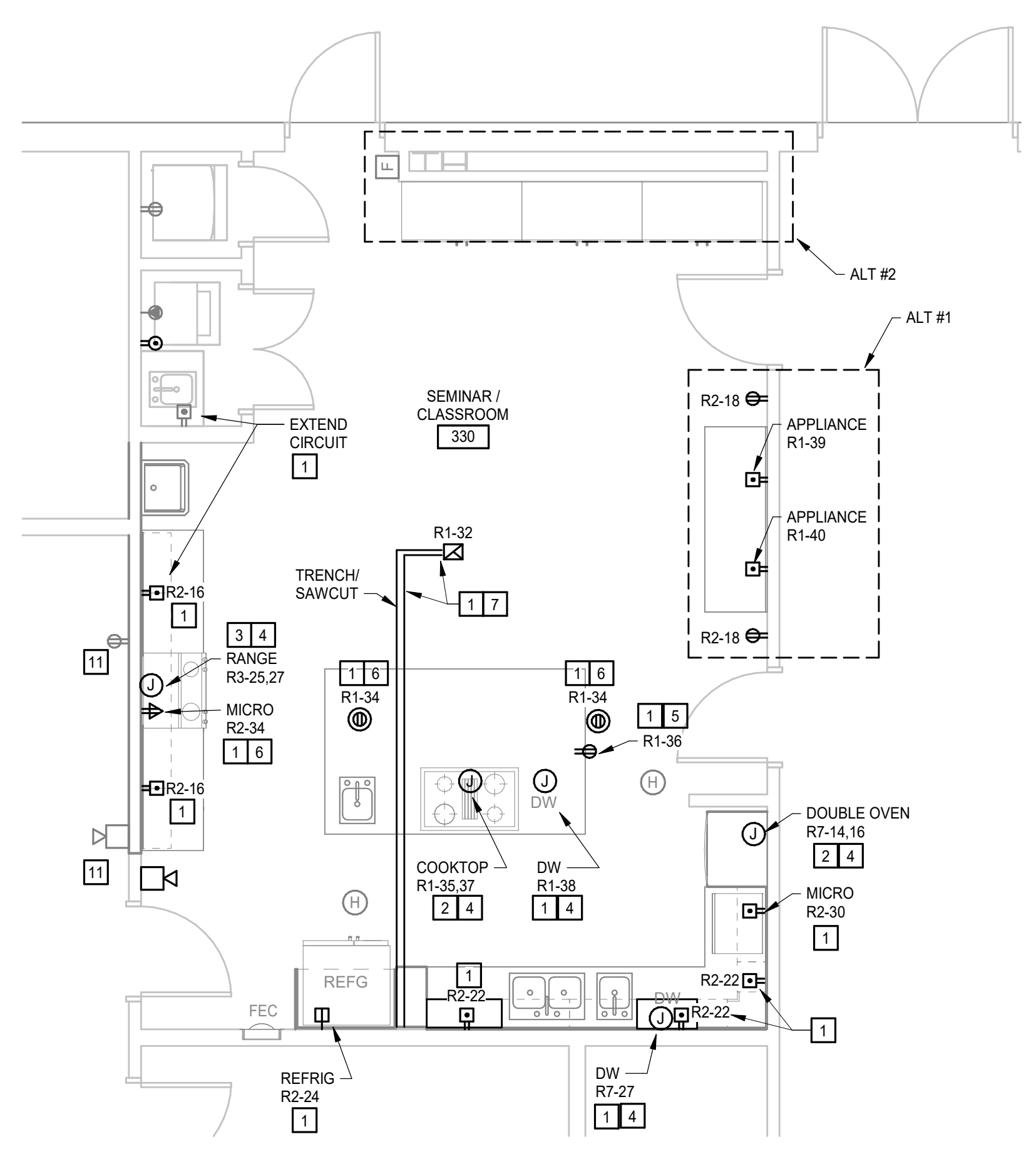
PARTIAL FIRST FLOOR PLAN - DEMO
 1/4" = 1'-0"



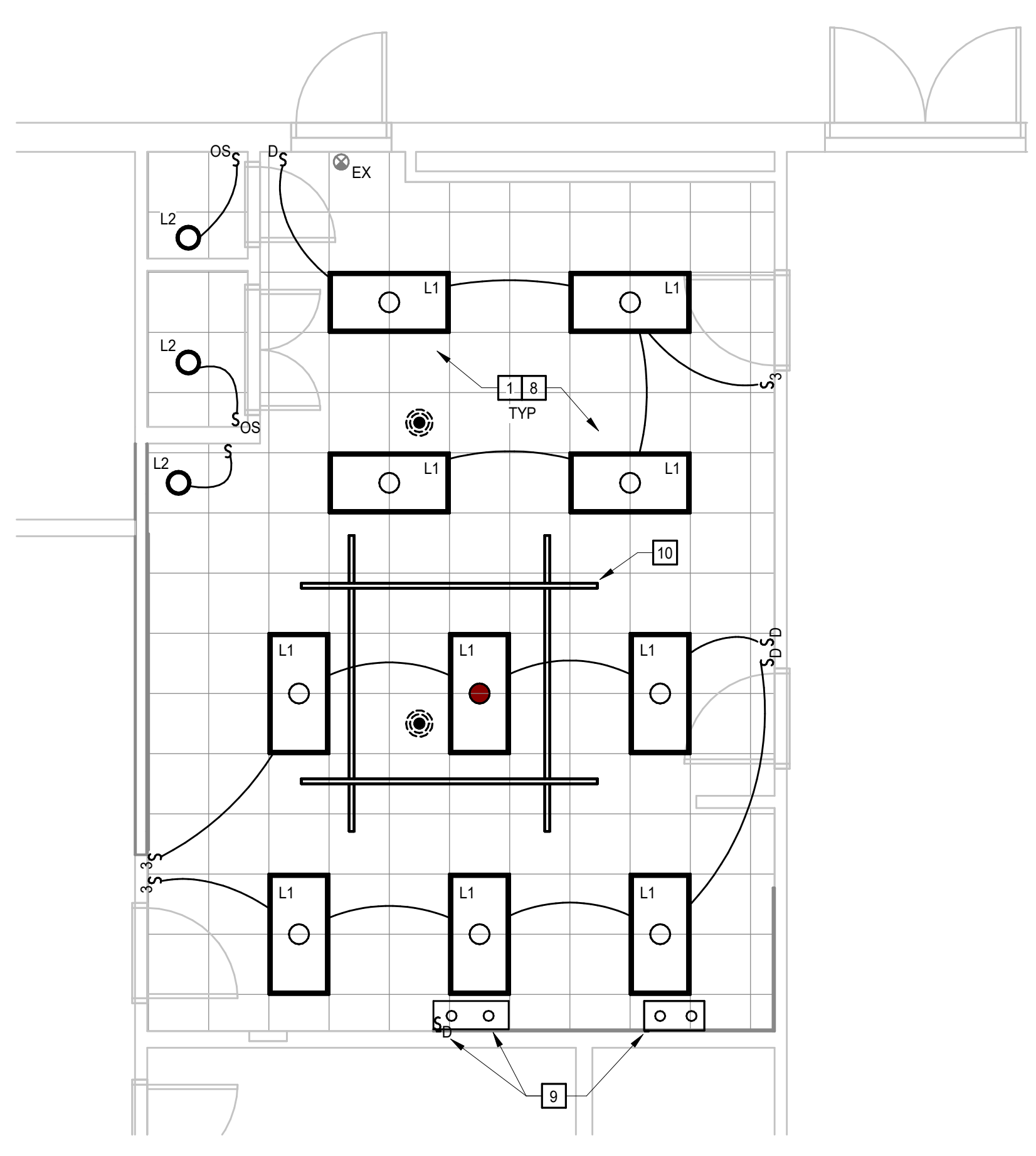
PARTIAL FIRST FLOOR OVERALL PLAN - POWER
 1/8" = 1'-0"

GENERAL NOTES - DEMO

- DEMOLISH RECEPTACLE AND APPLIANCE DEVICES AS SHOWN. CIRCUITS TO BE RE-USED DURING DEMO. EXISTING CIRCUIT DATA TAKEN FROM OWNER SUPPLIED RECORD DRAWINGS. VERIFY DATA IN FIELD PRIOR TO DEMO AND UPDATE PANEL SCHEDULES.
- EXISTING LIGHT FIXTURES AND ASSOCIATED SWITCHES TO BE DEMOLISHED. LIGHTING CIRCUITS TO BE RE-USED DURING DEMO. EXISTING CEILING GRID TO REMAIN. TILES BEING REPLACED.
- FIRE ALARM PULL STATION TO REMAIN. NOTIFICATION DEVICE TO BE RELOCATED.



PARTIAL FIRST FLOOR PLAN - POWER
 1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN - LIGHTING
 1/4" = 1'-0"

KEYNOTES
 APPLIES TO POWER AND LIGHTING PLANS
 REPRESENTED BY [#]

- 3-#12S, IN 3/4" C. 20A CIRCUIT
- 3-#8'S, #10G IN 3/4" C. 40A CIRCUIT. PROVIDE PLUG AND CORD SET IF NOT DIRECT WIRED.
- 3-#8'S, #10G IN 1" C. 50A CIRCUIT. PROVIDE PLUG AND CORD SET IF NOT DIRECT WIRED.
- FOR DIRECT WIRE: PROVIDE LOCK-OUT ON BREAKER. IF PLUG AND RECEPTACLE IS PROVIDED/INSTALLED THEN LOCKOUT IS NOT REQUIRED.
- ISLAND RECEPTACLE SHALL BE WITHIN 6" BELOW TOP OF COUNTER.
- COORDINATE FINAL LOCATION WITH OWNER.
- FLOOR BOX WITH RECEPTACLE AND SPARE 1/2" CONDUIT WITH PULL-STRING STUBBED ABOVE CEILING. COORDINATE WITH DIV 22 TO COMBINE WITH SAWCUT FOR ISLAND UTILITIES AND CIRCUITS IN ORDER TO MINIMIZE FLOOR DISTURBANCE.
- LED FIXTURES SHALL BE POWERED FROM L1 CIRCUIT MADE AVAILABLE DURING DEMO. 3-#12S, 3/4" C. TYPICAL.
- DIMMABLE UNDER SHELF PLUCK LIGHTS "L3" (4) SHELVES WITH (2) SETS OF LIGHTS UNDER EACH EQUALLY SPACED. CONCEAL CABLING AS TO MAINTAIN APPEARANCE OF FLOATING SHELVES. REFERENCE ARCHITECTURAL ELEVATIONS. COORDINATE WITH CABINET VENDOR.
- OWNER PROVIDED FILMING/LIGHTING RIG MOUNTED TO CEILING. SHOWN FOR REFERENCE.
- RELOCATE FA DEVICE AND RECEPTACLE INTO NEW WALL IN SAME LOCATION.



PROJECT NO: 840460	DATE: SEPTEMBER 18, 2024
REVISIONS	
DATE	DESCRIPTION

EXISTING PANELBOARD R1												
LOCATION:					FED FROM:							
100 AMP MLO		120/208 Wye			3 PH 4 W		MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT		
1	20 A	1	REC - 314 (EB)	0.5	0.9		REC - 337 (EB)	1	20 A	2		
3	20 A	1	REC - 314 (EB)		0.5	0.9	REC - 337 (EB)	1	20 A	4		
5	20 A	1	REC - 313 (EB)				REC - 338 (EB)	1	20 A	6		
7	20 A	1	REC - 313,350 (EB)	0.7	0.7		REC - 338 (EB)	1	20 A	8		
9	20 A	1	REC - 312 (EB)		0.5	0.4	REC - 348,345 (EB)	1	20 A	10		
11	20 A	1	REC - 312 (EB)			0.5	0.5	REC - 315 (EB)	1	20 A	12	
13	20 A	1	REC - 311,351 (EB)	0.7	0.5		REC - 315 (EB)	1	20 A	14		
15	20 A	1	REC - 311 (EB)		0.5	0.5	REC - 316 (EB)	1	20 A	16		
17	20 A	1	REC - 310 (EB)			0.5	0.5	REC - 316 (EB)	1	20 A	18	
19	20 A	1	REC - 310,348 (EB)	0.7	0.5		REC - 317 (EB)	1	20 A	20		
21	20 A	1	REC - 309,352 (EB)		0.7	0.5	REC - 317 (EB)	1	20 A	22		
23	20 A	1	REC - 309 (EB)			0.5	0.0	SPARE	1	20 A	24	
25	20 A	1	REC - 308 (EB)	0.5	0.0		SPARE	1	20 A	26		
27	20 A	1	REC - 308 (EB)		0.7	0.0	SPARE	1	20 A	28		
29	20 A	1	REC - EXT (EB)			0.7	0.0	SPARE	1	20 A	30	
31	20 A	1	REC - EXT (EB)	0.4	0.4		REC FLR - 330 (GP)	1	20 A	32		
33	20 A	1	REC - 339, 345 (EB)		0.4	0.4	REC CLG - 330 (GP)	1	20 A	34		
35	40 A	2	COOKTOP - 330 (GP)			2.0	0.8	APPLIANCE ISLAND - 330 (GP)	1	20 A	36	
37	20 A	1	REC - 310,348 (EB)	2.0	1.0		DW ISLAND - 330 (GP)	1	20 A	38		
39	20 A	1	APPLIANCE COUNTER - 330 (GP)		0.8	0.8	APPLIANCE COUNTER - 330 (GP)	1	20 A	40		
41	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	42	
				10 kVA	8 kVA	7 kVA						
				81 A	65 A	62 A						

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. (EB) = EXISTING BREAKER
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (PB) = PROVIDE BREAKER IN EXISTING SPACE
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR. REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF. LOADS FOR EXISTING CIRCUITS ARE ASSUMED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 24.9 kVA
RECEPTACLES	0 VA	0.00%	0 VA	Total Est. Demand: 24.9 kVA
AC / HEAT PUMP	0 VA	0.00%	0 VA	Total Conn. Current: 69 A
ELECTRIC HEAT	0 VA	0.00%	0 VA	Total Est. Demand: 69 A
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

EXISTING PANELBOARD R2												
LOCATION:					FED FROM:							
100 AMP MLO		120/208 Wye			3 PH 4 W		MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT		
1	20 A	1	REC - 321 (EB)	0.5	0.7		REC - 343 (EB)	1	20 A	2		
3	20 A	1	REC - 321 (EB)		0.5	0.7	REC - 343 (EB)	1	20 A	4		
5	20 A	1	REC - 322 (EB)			0.5	0.7	REC - 343 (EB)	1	20 A	6	
7	20 A	1	REC - 322 (EB)	0.5	0.7		REC - 343 (EB)	1	20 A	8		
9	20 A	1	REC - 323 (EB)		0.5	0.7	REC - 330 (EB)	1	20 A	10		
11	20 A	1	REC - 323 (EB)			0.5	1.2	REC - 329 (EB)	1	20 A	12	
13	20 A	1	REC - 324 (EB)	0.5	0.5		REC - EXT (EB)	1	20 A	14		
15	20 A	1	REC - 324,344 (EB)		0.7	0.5	REC - 330 (EB)	1	20 A	16		
17	20 A	1	REC - 325 (EB)			0.5	0.5	REC - 330 (EB)	1	20 A	18	
19	20 A	1	REC - 325 (EB)	0.5	0.8		EWG - 346 (EB)	1	20 A	20		
21	20 A	1	REC - 326 (EB)		0.5	0.5	REC/COUNTER - 330 (GP)	1	20 A	22		
23	20 A	1	REC - 326 (EB)			0.5	1.2	REFRIGERATOR - 330 (GP)	1	20 A	24	
25	20 A	1	REC - 327 (EB)	0.5	0.6		SPARE	1	20 A	26		
27	20 A	1	REC - 327 (EB)		0.7	0.4	RECEPT - 331,332 (EB)	1	20 A	28		
29	20 A	1	ICE MACHINE - 328 (EB)			1.3	1.2	MICROWAVE - 330 (GP)	1	20 A	30	
31	20 A	1	REC - 330 (EB)				REC - 330 (EB)	1	20 A	32		
33	30 A	2	DRYER - 329 (EB)	2.9	0.7	2.9	1.0	MICROWAVE - 330 (GP)	1	20 A	34	
35	--	1	SPACE ONLY	--	--	--	0.5	REC/COUNTER - 330 (GP)	1	20 A	36	
37	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	38	
39	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	40	
41	--	1	SPACE ONLY	--	--	--	--	SPACE ONLY	1	--	42	
				10 kVA	10 kVA	9 kVA						
				81 A	83 A	74 A						

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. (EB) = EXISTING BREAKER
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (PB) = PROVIDE BREAKER IN EXISTING SPACE
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR. REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF. LOADS FOR EXISTING CIRCUITS ARE ASSUMED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 28.3 kVA
RECEPTACLES	0 VA	0.00%	0 VA	Total Est. Demand: 28.3 kVA
AC / HEAT PUMP	0 VA	0.00%	0 VA	Total Conn. Current: 79 A
ELECTRIC HEAT	0 VA	0.00%	0 VA	Total Est. Demand: 79 A
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

GENERAL ELECTRICAL NOTES:

- EXISTING CIRCUIT/PANEL DATA TAKEN FROM OWNER SUPPLIED RECORD DRAWINGS. VERIFY DATA IN FIELD PRIOR TO DEMO AND UPDATE PANEL SCHEDULES. EXISTING PANELS ARE SQUARE D GOOD
- EXISTING DEMAND ON MDP KW = 327.6
ADDITIONAL LOAD KW = 18.4
TOTAL KW = 346
TOTAL AMPS = 961

EXISTING MDP IS 1200A. THERE IS SUFFICIENT CAPACITY WITHOUT TAKING INTO ACCOUNT DEMAND FACTORS AS THOSE LISTED IN 220.56

EXISTING PANELBOARD R3												
LOCATION:					FED FROM:							
100 AMP MLO		120/208 Wye			3 PH 4 W		MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT		
1	20 A	1	REC - 307,353 (EB)	0.7	0.7		REC - 334 (EB)	1	20 A	2		
3	20 A	1	REC - 307 (EB)		0.5	0.7	REC - 335 (EB)	1	20 A	4		
5	20 A	1	REC - 306 (EB)			0.7	0.7	REC - 335 (EB)	1	20 A	6	
7	20 A	1	REC - 306 (EB)	0.5	0.2		REC - 335 (EB)	1	20 A	8		
9	20 A	1	REC - 305 (EB)		0.7	0.7	REC - 335,336,346 (EB)	1	20 A	10		
11	20 A	1	REC - 305, 349 (EB)			0.7	0.7	REC - 336, 347 (EB)	1	20 A	12	
13	20 A	1	REC - 304, 303 (EB)	0.7	1.0		COOKTOP - 342 (EB)	1	20 A	14		
15	20 A	1	REC - 304, 302 (EB)		0.7	0.4	REC - 342 (EB)	1	20 A	16		
17	20 A	1	REC - 302 (EB)			0.7	1.2	REFRIGERATOR - 342 (EB)	1	20 A	18	
19	20 A	1	REC - 302 (EB)	0.7	0.5		REC - 342 (EB)	1	20 A	20		
21	20 A	1	REC - 334 (EB)		0.7	0.7	REC - 333 (EB)	1	20 A	22		
23	20 A	1	REC COUNTER - 330 (GP)			0.4	0.7	REC - 300 (EB)	1	20 A	24	
25	50 A	2	RANGE - 330 (GP)	5.0	0.5		REC - 300 (EB)	1	20 A	26		
27	20 A	1	SPARE (EB)		5.0	0.7	REC - 300 (EB)	1	20 A	28		
29	20 A	1	SPARE (EB)			0.0	1.0	PROJECTOR - 300 (EB)	1	20 A	30	
31	20 A	1	SPARE	0.0	0.5		REC - 301 (EB)	1	20 A	32		
33	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	34		
35	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	36	
37	20 A	1	SPARE	0.0	0.0		SPARE	1	20 A	38		
39	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	40		
41	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	42	
				11 kVA	11 kVA	7 kVA						
				99 A	96 A	57 A						

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. (EB) = EXISTING BREAKER
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (PB) = PROVIDE BREAKER IN EXISTING SPACE
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR. REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF. LOADS FOR EXISTING CIRCUITS ARE ASSUMED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 29.0 kVA
RECEPTACLES	0 VA	0.00%	0 VA	Total Est. Demand: 29.0 kVA
AC / HEAT PUMP	0 VA	0.00%	0 VA	Total Conn. Current: 80 A
ELECTRIC HEAT	0 VA	0.00%	0 VA	Total Est. Demand: 80 A
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

EXISTING PANELBOARD R7												
LOCATION:					FED FROM:							
100 AMP MLO		120/208 Wye			3 PH 4 W		MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT		
1	20 A	1	REC - 318 (EB)	0.7	1.2		COPIER - 334 (EB)	2	20 A	2		
3	20 A	1	PHONE BOARD - 318 (EB)		1.0	1.2	COPIER - 334 (EB)	2	20 A	4		
5	20 A	1	PHONE BOARD - 318 (EB)			1.0	1.2	COPIER - 334 (EB)	2	20 A	6	
7	30 A	1	REC - 318 (EB)	2.4	1.2		COPIER - 334 (EB)	1	20 A	8		
9	20 A	1	MOF - 318 (EB)		1.0	1.2	COPIER - 334 (EB)	1	20 A	10		
11	20 A	1	REC - 319 (EB)		0.5	1.2	COPIER - 334 (EB)	1	20 A	12		
13	20 A	1	REC - 319 (EB)	0.7	3.7		DOUBLE OVEN - 330 (GP)	2	40 A	14		
15	20 A	1	REFRIGERATOR - 319 (EB)		1.2	3.7	DOUBLE OVEN - 330 (GP)	2	40 A	16		
17	20 A	1	REC - 320 (EB)			0.5	0.5	VAV-8 THRU 13 (EB)	1	20 A	18	
19	20 A	1	REC - 320, 344 (EB)	0.7	0.5		VAV-5,6,7,19,20 (EB)	1	20 A	20		
21	20 A	1	REC - 340 (EB)		0.5	0.5	VAV-14 THRU 18	1	20 A	22		
23	20 A	1	MICROWAVE - 342 (EB)			1.0				24		
25	20 A	1	RANGE HOOD - 330 (GP)	0.8						26		
27	20 A	1	DISHWASHER - 330 (GP)		1.0					28		
29										30		
31										32		
33										34		
35										36		
37										38		
39										40		
41										42		
				12 kVA	11 kVA	8 kVA						
				106 A	101 A	50 A						

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. (EB) = EXISTING BREAKER
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (PB) = PROVIDE BREAKER IN EXISTING SPACE
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR. REF DETAIL ON DWG E4.X.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF. LOADS FOR EXISTING CIRCUITS ARE ASSUMED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 29.2 kVA
RECEPTACLES	0 VA	0.00%	0 VA	Total Est. Demand: 29.2 kVA
AC / HEAT PUMP	0 VA	0.00%	0 VA	Total Conn. Current: 81 A
ELECTRIC HEAT	0 VA	0.00%	0 VA	Total Est. Demand: 81 A
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

LIGHT FIXTURE SCHEDULE											
FIXTURE											
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	LAMP	COLOR TEMP.	MOUNTING	OPTIONS	COMMENTS