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# SOUTHCENTRAL FOUNDATION SLT ICT RENOVATION

### ARCHITECTURAL ABBREVIATIONS

&	AND	F.O.S.	FACE OF STUD	PLYWD	PLYWOOD
∠	ANGLE	F.O.	FACE OF (Conc. etc.)	PR	PAIR
@	AT	F.R.P.	FIBER REINFORCED PANEL	PREFAB	PREFABRICATED
CL	CENTERLINE	FRPF	FIREPROOFING	PRMA	PROTECTED MEMBRANE ROOF ASSEMBLY
o	DEGREE	FRT	FIRE-RETARDANT TREATED	PROJ	PROJECT
#	NUMBER	FT	FOOT OR FEET	PT	POINT AND PAINT
ABV	ABOVE	FTG	FOOTING	P.T.	PRESERVATIVE TREATED
AC	ASPHALTIC CONCRETE	FURR	FURRING	PTD	PAPER TOWEL DISPENSER
ACP	ACOUSTICAL CEILING PANEL	FUT	FUTURE	PVC	POLYVINYL CHLORIDE
ACT	ACOUSTICAL CEILING TILE				
ACOUS	ACOUSTICAL	GA	GAUGE	R	RISER OR RADIUS
ADD	ADDITION	GAL	GALLON	R.D.	ROOF DRAIN
AFF	ABOVE FINISH FLOOR	GALV	GALVANIZED	REF	REFERENCE
AHU	AIR HANDLING UNIT	G.B.	GRAB BAR	REFR	REFRIGERATOR
ALT	ALTERNATE	G.I.	GALVANIZED IRON	REINF	REINFORCING
ALUM	ALUMINUM	GL	GLASS	REQ	REQUIRED
APPROX	APPROXIMATE	GT	GYPSUM WALL BOARD	R.H.	RIGHT HAND
ARCH	ARCHITECTURAL	GW/B	GYPSUM WALL BOARD	R.L.	RAIN LEADER
ASPH	ASPHALT	GYM	GYMNASIUM	RM	ROOM
AVG	AVERAGE	GYP.	GYPSUM	R.O.	ROUGH OPENING
				R.O.W.	RIGHT OF WAY
				RTU	ROOF TOP UNIT
BD	BOARD	H.B.	HOSE BIB		
BLDG	BUILDING	H.C.	HOLLOW CORE		
BLKG	BLOCKING	HDWD	HARDWOOD		
BLW	BELOW	HDWR	HARDWARE	S	SOUTH
BM	BENCH MARK	H.M.	HOLLOW METAL	SAN	SANITARY
B.O.	BOTTOM OF	H.M.F.	HOLLOW METAL FRAME	S.C.	SOLID CORE
B.S.	BOTH SIDES	HORIZ	HORIZONTAL	SCHED	SCHEDULE
BTU	BRITISH THERMAL UNIT	H.P.	HIGH POINT	SE	SOUTHEAST
BUR	BUILT-UP ROOF	HR	HOUR	SECT	SECTION
		HT	HEIGHT	SHEATH	SHEATHING
		HW	HOT WATER	SHT	SHEET
		HWY	HIGHWAY	SIM	SIMILAR
CAB	CABINET			SND	SANITARY NAPKIN DISPENSER
C.B.	CATCH BASIN	I.D.	INSIDE DIAMETER	SPEC	SPECIFICATIONS
CEM	CEMENT	( ) OR IN	INCHES	SQ	SQUARE
C.I.	CAST IRON	IHM	INSULATED HOLLOW METAL	S.S.	SANITARY SEWER
CIRC	CIRCULAR	INSUL	INSULATION	S.S.T.	STAINLESS STEEL
CLG	CEILING	INT	INTERIOR	STD	STANDARD
CLR.	CLEAR	JAN	JANITOR	STL	STEEL
C.M.P.	CORRUGATED METAL PIPE	JT	JOINT	STOR	STORAGE
CMU	CONCRETE MASONRY UNIT			STRUCT	STRUCTURAL
COL	COLUMN	KIT	KITCHEN	ST.S	STORM SEWER
COMP	COMPOSITION			SUSP	SUSPENDED
CONC	CONCRETE	LAB	LABORATORY	SV	SHEET VINYL
CONSTR	CONSTRUCTION	LAM	LAMINATE OR LAMINATED	SW	SOUTHWEST
CONT	CONTINUOUS	LAV	LAVATORY	SYM	SYMMETRICAL
COOR	COORDINATE	LB	POUND		
CORR	CORRIDOR	LH	LEFT HAND	TB	TACKBOARD
C.R.	COLD ROLLED	LL	LIVE LOAD	TBHM	THERMALLY-BROKEN HOLLOW METAL
C.R.C.	COLD ROLLED CHANNEL	L.O.W.	LIMITS OF WORK	TEL	TELEPHONE
C.T.	CERAMIC TILE	L.P.	LOW POINT	TEMP	TEMPORARY
CTR	CENTER			TERR	TERRAZZO
DBL	DOUBLE	MATL	MATERIAL	T&G	TONGUE AND GROOVE
DEPT	DEPARTMENT	MAX	MAXIMUM	THRU	THROUGH
D.F.	DRINKING FOUNTAIN	MECH	MECHANICAL	T.O.	TOP OF (eg CONCRETE)
DET	DETAIL	MET OR MTL	METAL	T.O.S.	TOP OF STEEL
DIA	DIAMETER	MFR	MANUFACTURER	TV	TELEVISION
DIAG	DIAGONAL	MH	MANHOLE	TYP	TYPICAL
DIM.	DIMENSION	MIN	MINIMUM OR MINUTE		
DISP	DISPENSER	MISC	MISCELLANEOUS	UAA	UNIVERSITY OF ALASKA ANCHORAGE
DL	DEAD LOAD	M.O.	MASONRY OPENING	UL	UNDERWRITERS LABORATORY
DN.	DOWN	MULL	MULLION	UNFIN	UNFINISHED
DS	DOWNSPOUT			UNO	UNLESS NOTED OTHERWISE
DWG	DRAWINGS	N	NORTH	VCT	VINYL COMPOSITION TILE
E	EAST	NE	NORTHEAST	VERT	VERTICAL
(E)	EXISTING	NIC	NOT IN CONTRACT	VEST	VESTIBULE
EA	EACH	NO	NUMBER	VR	VAPOR RETARDER
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	NOM	NOMINAL	VTR	VENT THROUGH ROOF
ELEV	ELEVATION	NTS	NOT TO SCALE		
ELEV	ELEVATOR	NW	NORTHWEST	W	WEST
ELEC	ELECTRICAL	O	OVER	W/	WITH
EMB	EMBOSSING	O.C.	ON CENTER	WC	WATER CLOSET
EQ	EQUAL	O.D.	OUTSIDE DIAMETER	WD	WOOD
EQUIP	EQUIPMENT	OFD	OVERFLOW DRAIN	W/O	WITHOUT
E.G.	EACH SIDE	OFF	OFFICE	WP	WATERPROOF
EXIST	EXISTING	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	WT	WEIGHT
EXP	EXPOSED	OH	OWNER FURNISHED, OWNER INSTALLED		
EXP.AGG.	EXPANSION EXPOSED AGGREGATE	OPNG	OPENING		
EXP.JT.	EXPANSION JOINT EXTERIOR	OPP	OPPOSITE		
F.B.	FLAT BAR	PARA	PARALLEL		
F.D.	FLOOR DRAIN	PART	PARTITION		
FDN	FOUNDATION	PERF	PERFORATED		
F.E.	FIRE EXTINGUISHER	PERM	PERMANENT		
F.E.C.	FIRE EXTINGUISHER CABINET	PERP	PERPENDICULAR		
FIN	FINISH	P.I.C.	PRECAST INSULATED CONCRETE		
FF	FACTORY FINISH(ED)	PL	PLATE		
FLUOR	FLUORESCENT	P.LAM	PLASTIC LAMINATE		
F.O.B.	FACE OF BLOCK	PLAST	PLASTER		
F.O.F.	FACE OF FINISH				

### PROJECT DESCRIPTION

PROJECT DESCRIPTION: RENOVATION OF EXISTING DENTAL ADMIN SPACE ON SECOND FLOOR TO CREATE A LARGER OPEN OFFICE SPACE, SMALL BREAK ROOM, TALKING ROOMS AND LACTATION ROOM.

### STATE MAP



### VICINITY MAP



### GENERAL

G-100 SHEET INDEX, GENERAL NOTES, ABBREVIATIONS, AND LOCATION MAP

### ARCHITECTURAL

- LS-101 LIFE SAFETY PLAN - SECOND FLOOR
- D-100 DEMOLITION SECOND FLOOR PLAN
- A-100 SECOND FLOOR PLAN - OVERALL
- A-101 SECOND FLOOR PLAN & REFLECTED CEILING PLAN
- A-102 SECOND FLOOR FINISH PLAN, ROOM FINISH SCHEDULE & FINISH MATERIAL LEGEND
- A-400 INTERIOR ELEVATIONS
- A-500 INTERIOR DETAILS

### MECHANICAL

- M-001 MECHANICAL LEGEND, ABBREVIATIONS AND SCHEDULES
- M-002 MECHANICAL SCHEDULES
- M-100 SECOND FLOOR - OVERALL
- MD-101 DEMOLITION SECOND FLOOR - MECHANICAL
- M-101 SECOND FLOOR - MECHANICAL
- M-500 DIAGRAMS & DETAILS

### ELECTRICAL

- E-001 ELECTRICAL LEGEND AND ABBREVIATIONS
- E-002 ELECTRICAL SCHEDULES
- E-100 SECOND FLOOR PLAN - OVERALL
- ED-101 DEMOLITION SECOND FLOOR PLAN - ELECTRICAL
- E-101 SECOND FLOOR PLAN - ELECTRICAL

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### ARCHITECTURAL DRAWING CONVENTIONS

<b>NORTH ARROW</b>	<b>GRID LINES</b>	<b>SHEET NOTE TAG</b>	<b>BLDG./WALL SECTION</b>	<b>DISCIPLINE</b>	<b>DETAIL</b>	<b>EXTERIOR ELEVATION</b>	<b>PARTITION TYPE</b>	<b>EQUIPMENT TAG</b>
<b>REVISIONS</b>	<b>DOOR NUMBER</b>	<b>DEMOLITION</b>	<b>VERT. CONTROL POINT</b>	<b>WINDOW TYPE</b>	<b>ROOM TAG</b>	<b>INTERIOR ELEVATION</b>	<b>MATCHLINE</b>	

### GENERAL PROJECT NOTES

- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODES OUTLINED ON THE LIFE SAFETY PLAN, AND ALL OTHER STATE AND LOCAL CODES, INCLUDING ALL AMENDMENTS.
- ALL WORK SHALL CONFORM TO THE AMERICAN DISABILITIES ACT (A.D.A.) ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (A.D.A.G.) AND A.N.S.I. 117.1 UNLESS NOTED OTHERWISE.
- ALL WALL AND CEILING FINISHES CHAPTER 8 IBC AND NFPA REQUIREMENTS ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE.
- DIMENSIONS NOTED AS "CLEAR" (OR CLR.) SHALL BE TO FINISHED FACE.
- DO NOT SCALE THE DRAWINGS TO OBTAIN CONSTRUCTION DIMENSIONS. DRAWINGS ARE INTENDED TO PROVIDE INFORMATION FOR CONTRACTORS DETERMINATION OF SCOPE OF WORK.
- COORDINATE PHASING REQUIREMENTS AND ALL SERVICE DISRUPTIONS WITH THE OWNER AND OBTAIN SPECIFIC AGREEMENT OF THE TIMES AND DURATIONS OF SYSTEM DISRUPTIONS BEFORE STARTING WORK. THIS OUTPATIENT HEALTHCARE FACILITY WILL BE OPERATIONAL DURING CONSTRUCTION.

Revisions		
No.	Description	Date

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Sheet Contents

SHEET INDEX, GENERAL NOTES, ABBREVIATIONS, AND LOCATION MAP

Sheet No.

**G-100**

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1 SECOND FLOOR PLAN - OVERALL LIFE SAFETY  
1/8" = 1'-0"

**CODE PLAN LEGEND**

- ..... SMOKE RATED
- 1-HOUR RATING
- 2-HOUR RATING
- # NUMBER OCCUPANTS EXITING IN INDICATED DIRECTION FROM SPACE
- EXTENTS OF NEW WORK
- PRIMARY EGRESS DIRECTION
- FEC** EXISTING CLASS A FIRE EXTINGUISHER IN RECESSED CABINET

**CODE COMPLIANCE**

2018 INTERNATIONAL BUILDING CODE  
NFPA 101  
ADA ACCESSIBILITY GUIDELINES 2010 & ICC/ANSI A117.1-2009

**CODE REVIEW**

**PROJECT DESCRIPTION:** RENOVATION OF EXISTING OFFICE SPACE. WORK INCLUDES REMOVING HALLWAY TO CREATE A LARGER OPEN OFFICE SPACE. NO MODIFICATION IS BEING MADE TO EXISTING BUILDING FOOTPRINT OR OCCUPANCY.

**CONSTRUCTION TYPE:** TYPE II-A (NONCOMBUSTIBLE, 1-HR) FULLY SPRINKLED

**OCCUPANCY TYPE:** B (BUSINESS)

**OCCUPANT LOAD FACTOR:**  
BUSINESS USE: 150  
ASSEMBLY, UNCONCENTRATED: 15

**TOTAL GROSS SQUARE FOOTAGE AREAS**  
GENERAL OFFICE: 1837 SF  
CONFERENCE: 173 SF

**OCCUPANCY LOAD:**  
GENERAL OFFICE: 1837 / 150: 13 OCCUPANTS  
CONFERENCE: 173 / 15: 12 OCCUPANTS

**TOTAL OCCUPANTS:** 25

**MAXIMUM OCCUPANCY LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:** 49

**MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (WITH SPRINKLER SYSTEM):** 100 FT

**INTERIOR WALL & CEILING FINISH REQUIREMENTS: (IBC Table 803.5)**

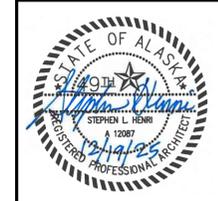
Group	Exit Encl/Passageway	Corridors	Rooms
B	B	C	C

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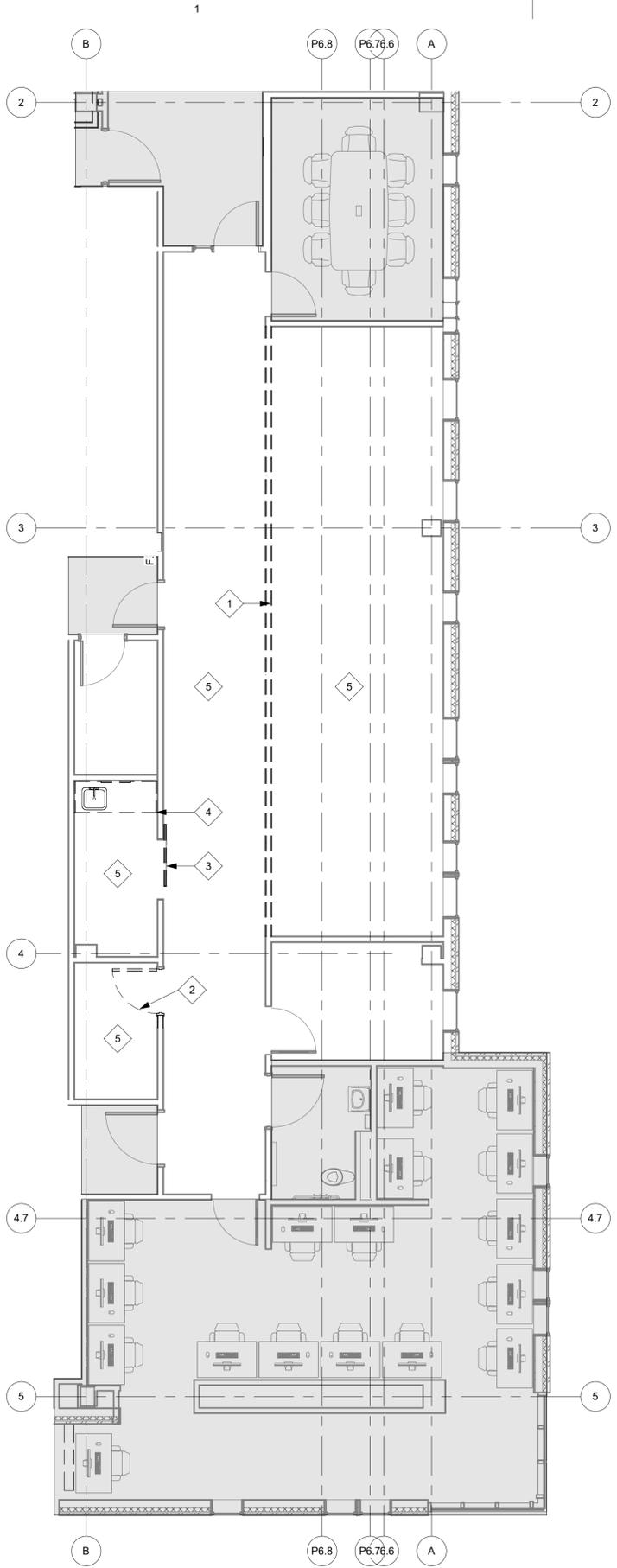
**Sheet Contents**

LIFE SAFETY PLAN - SECOND FLOOR

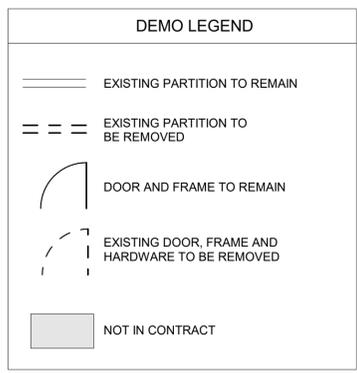
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**LS-101**

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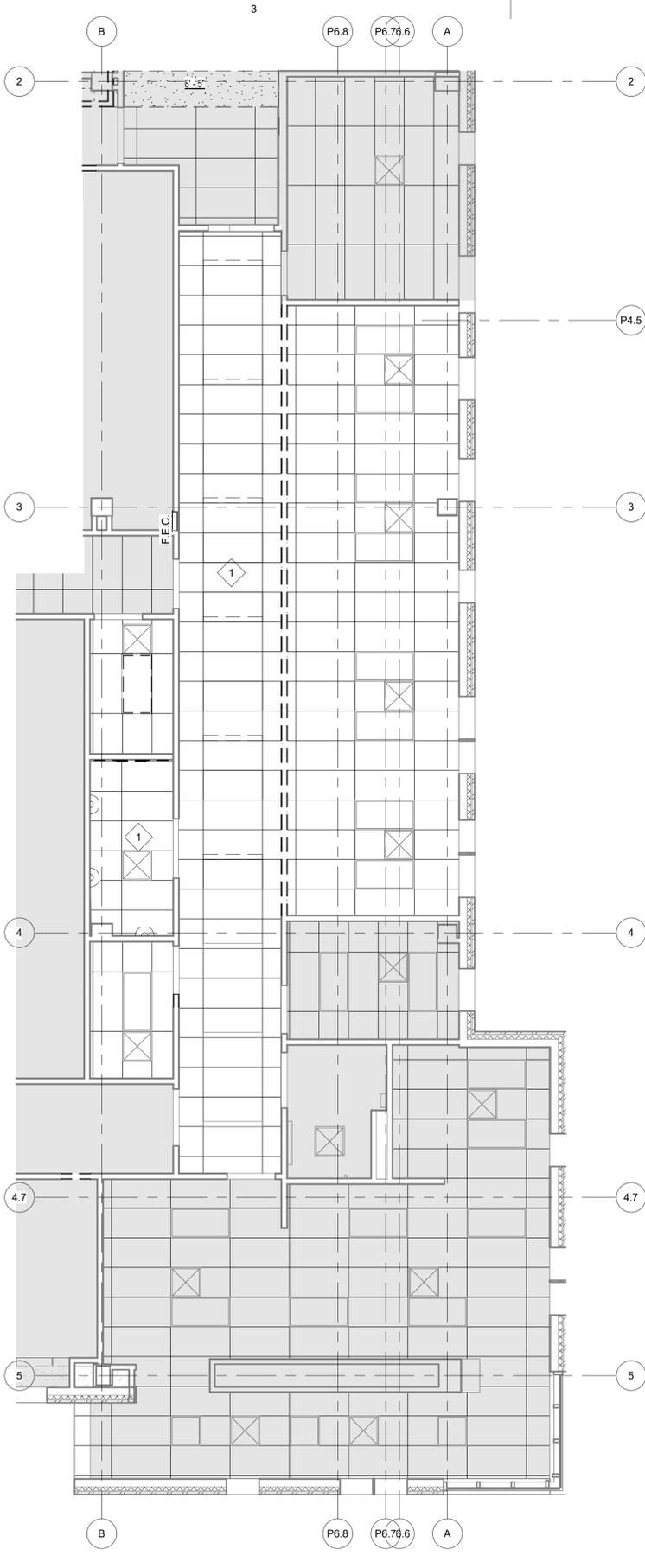


**A1** DEMOLITION SECOND FLOOR PLAN  
D-101 3/16" = 1'-0"

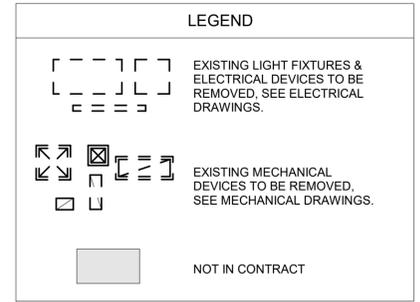


- GENERAL DEMOLITION NOTES**
- PERFORM PRE-DEMO WALK-THROUGH WITH OWNER TO DETERMINE FURNITURE & EQUIPMENT THAT SHALL BE REMOVED AND RELOCATED.
  - ITEMS SHOWN WITH DASHED LINES TO BE DEMOLISHED U.O.N., TYPICAL. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FULL EXTENT OF DEMOLITION WORK.
  - EXTERIOR WALL ASSEMBLIES ARE TO REMAIN INTACT, U.O.N.
  - ADDITIONAL DEMOLITION WORK AND NOTES ARE INDICATED ON CONSULTANT DRAWINGS CONTRACTORS & SUBCONTRACTORS SHALL PARTICIPATE IN AN INSPECTION UPON COMPLETION OF SUBSTANTIAL DEMOLITION AND REMOVAL OF THE CEILING TO ASSIST IN IDENTIFYING EXISTING & UNKNOWN CODE DEFICIENCIES REQUIRING CORRECTION.

- DEMOLITION SHEET FLAG NOTES**
- 1 REMOVE PORTION OF THE WALL AS REQUIRED FOR NEW WORK, TERMINATE EXISTING WALL 12" BELOW CEILING LEVEL AS HEADER.
  - 2 REMOVE DOOR, FRAME & ASSOCIATED HARDWARE
  - 3 REMOVE SLIDING DOOR, HEADER & ASSOCIATED HARDWARE. RETAIN FOR REUSE
  - 4 REMOVE EXISTING COUNTERTOP, SINK, FAUCET. RETAIN FOR REUSE
  - 5 REMOVE FLOORING & RUBBER BASE. PREPARE SUBSTRATE FOR THE INSTALLATION OF NEW FINISHES.



**A2** DEMOLITION SECOND FLOOR REFLECTED CEILING PLAN  
D-101 3/16" = 1'-0"



- GENERAL NOTES**
- SEE ROOM FINISH SCHEDULE AND MATERIAL LEGEND FOR FINISH MATERIALS LOCATIONS, TYPES AND COLORS, TYPICAL.
  - ALL NEW MATERIALS WHOSE FINISH IS NOT OTHERWISE SPECIFIED SHALL BE PAINTED UNLESS OTHERWISE NOTED, TYPICAL.
  - PROVIDE 20 GAGE METAL STRAP BACKING IN PARTITION WALLS FOR ATTACHMENT OF WALL MOUNTED CASEWORK AND EQUIPMENT, TYPICAL.
  - SEAL EDGES OF COUNTERTOP BACKSPLASH, TYPICAL.
  - COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATIONS AND HEIGHTS OF POWER AND DATA RECEPTACLES, TYPICAL.
  - PROVIDE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES, TYPICAL.
  - WALL BASE AT CASEWORK TO MATCH WALL BASE AT ADJACENT WALLS UNLESS OTHERWISE NOTED.
  - ALL PAINT COLOR TRANSITIONS TO OCCUR AT AN INSIDE CORNER, TYPICAL.

- DEMOLITION SHEET FLAG NOTES**
- 1 REMOVE LIGHTING FIXTURES, SEE ELEC.

AECC561

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**Sheet Contents**

DEMOLITION SECOND FLOOR PLAN & REFLECTED CEILING PLAN

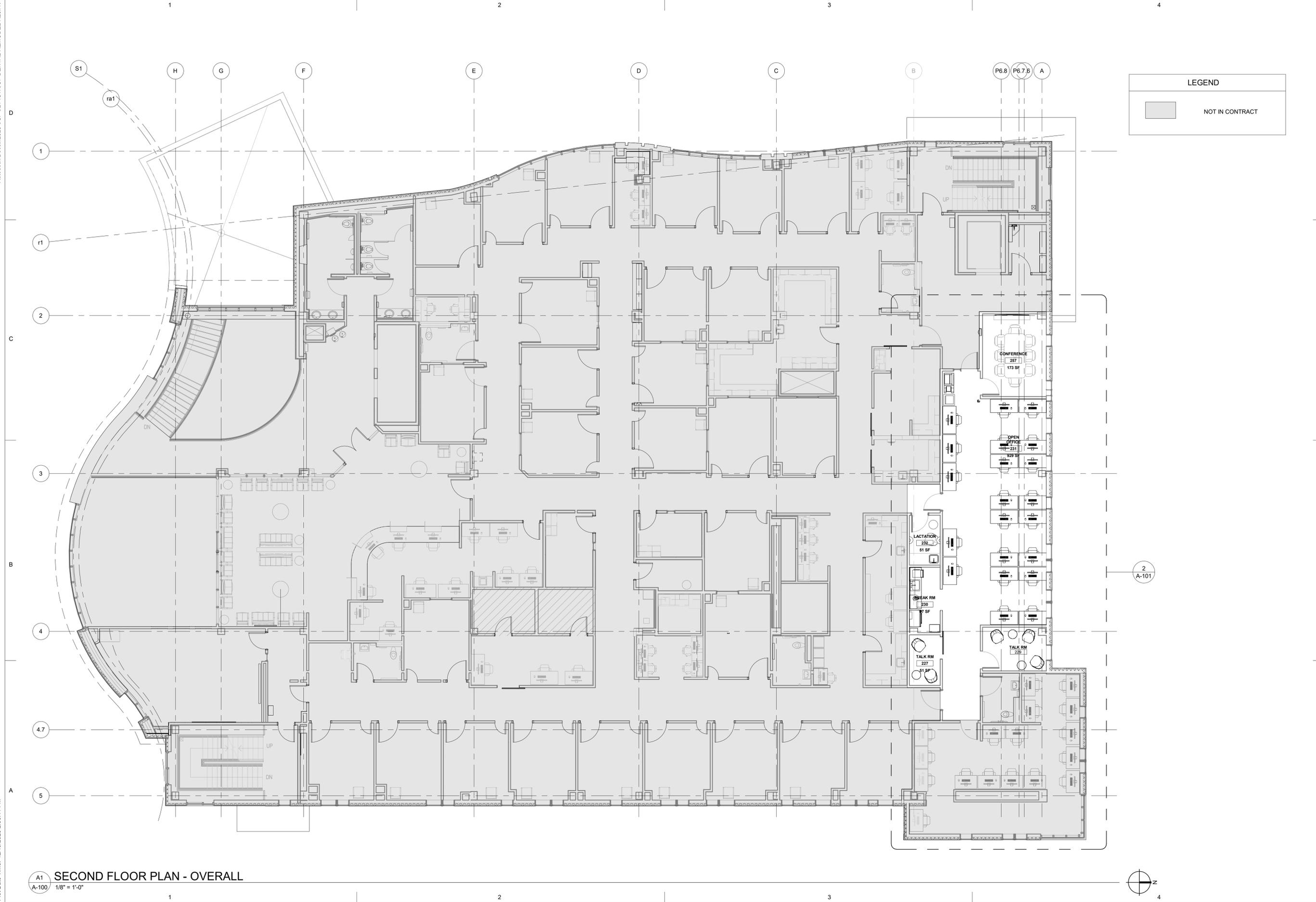
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**D-101**



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**LEGEND**

NOT IN CONTRACT

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**Revisions**

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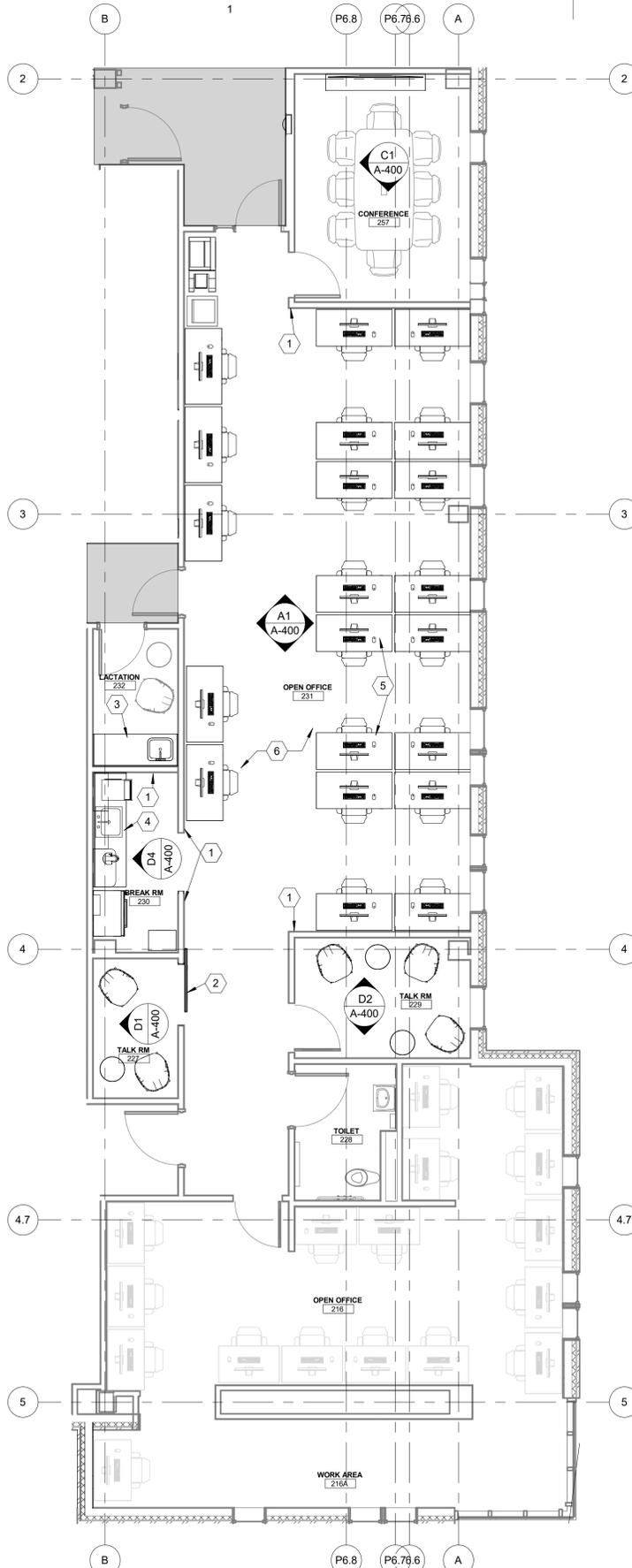
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**Sheet Contents**  
 SECOND FLOOR PLAN - OVERALL

Sheet No.  
**A-100**

**A1**  
**A-100**  
**SECOND FLOOR PLAN - OVERALL**  
 1/8" = 1'-0"

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**A1**  
A-101 SECOND FLOOR PLAN  
3/16" = 1'-0"

**LEGEND**

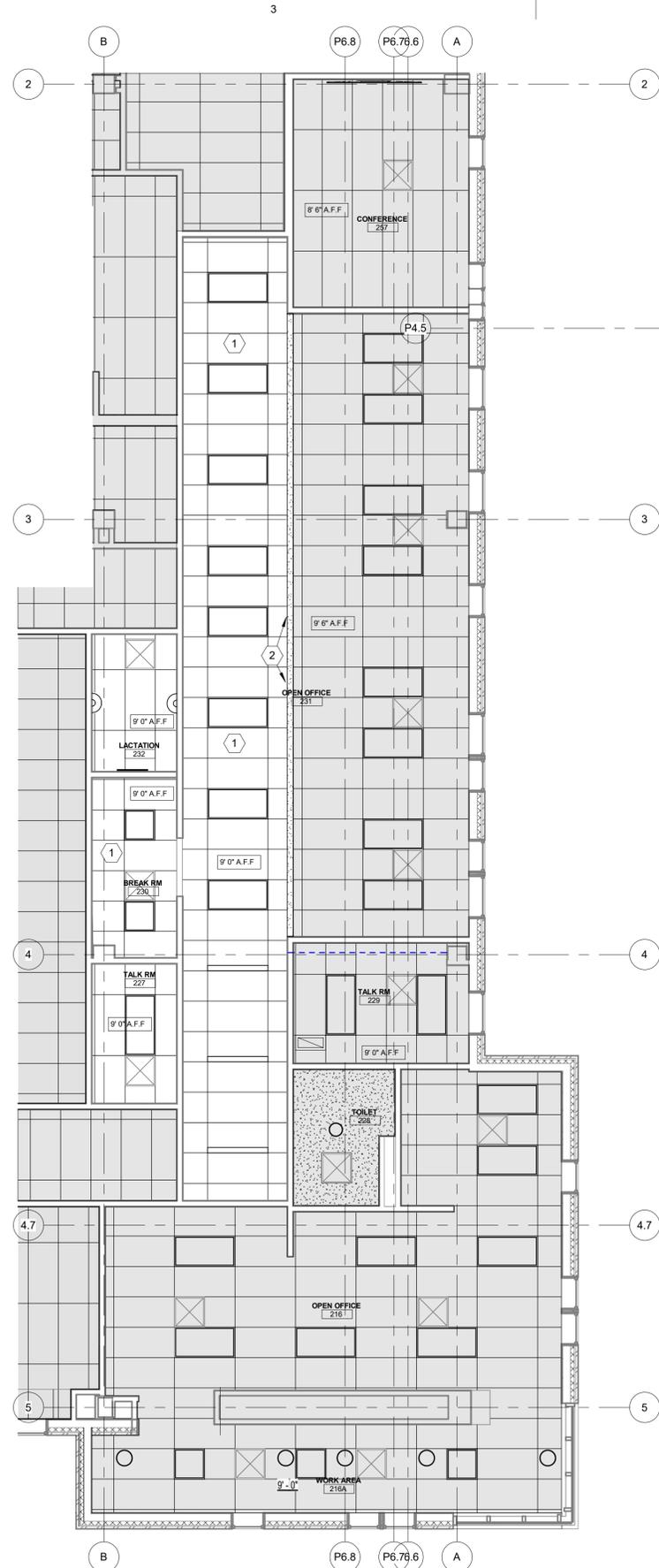
NOT IN CONTRACT

**GENERAL NOTES FLOOR PLAN**

- SEE SHEET A-102 FOR FINISH INFORMATION
- SEE SIMILAR DETAILS AND APPLY AT SIMILAR LOCATIONS. TYPICAL
- REFER TO SPECIFICATIONS FOR INFORMATION NOT PROVIDED IN CONSTRUCTION DRAWINGS.
- PATCH, MATCH AND REPAIR EXISTING FINISHES MATERIALS, SUBSTRATES AND CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WORK, TYPICAL.
- NEW FURNITURE TO BE CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFC) TYPICAL.
- FURNITURE SHOWN WITH LIGHT LINES IS EXISTING TO REMAIN, TYPICAL, UNLESS NOTED OTHERWISE.

**SHEET FLAG NOTES**

- PATCH AND REPAIR WALL AS REQUIRED DUE TO DEMO WORK
- RE-USED SLIDING "BARN" DOOR & ASSOCIATED HARDWARE
- RE-USED COUNTERTOP, SINK & FAUCET, SEE MECH.
- NEW CASEWORK AND PLUMBING, SEE MECH.
- OFFICE CHAIRS AND DESKS (CFC)
- FLOORING AND WALL BASE - SEE FINISH PLAN.



**A2**  
A-101 SECOND FLOOR CEILING PLAN  
3/16" = 1'-0"

**LEGEND**

NEW LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS

MECHANICAL SUPPLY AND RETURN GRILLES, SEE MECHANICAL DRAWINGS

NOT IN CONTRACT

**SHEET FLAG NOTES**

- NEW LIGHTING, SEE ELEC.
- NEW HEADER. BOTTOM OF HEADER @ 8'-6"

**GENERAL NOTES**

- MECHANICAL AND ELECTRICAL WORK IS SHOWN FOR PURPOSES OF COORDINATION ONLY. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITY AND LAYOUT OF LIGHTING AND MECHANICAL EQUIPMENT.
- CEILING HEIGHT IS 9'-6", TYP, UNLESS OTHERWISE NOTED.

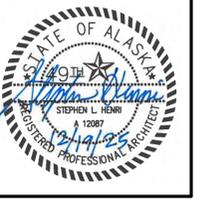
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SECOND FLOOR PLAN &  
REFLECTED CEILING PLAN

Sheet No.  
**A-101**

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SHEET LEGEND	
	CPT - 1
	LVP- 1
	AWP-1
	4' HIGH WALL PROTECTION (IRP) INSTALLED BEHIND RUBBER BASE
	STAINLESS STEEL CORNER GUARD

ROOM NUMBER	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALLS				CEILING MATERIAL	CASEWORK		
				NORTH	EAST	SOUTH	WEST		MATERIAL	CABINETS	COUNTERS
				COLOR	COLOR	COLOR	COLOR				
216	OPEN OFFICE	EX	EX	EX	EX	EX	EX				
216A	WORK AREA	EX	EX	EX	EX	EX	EX				
227	TALK RM	CPT-1	RB-1	EX / IRP-1	EX / IRP-1	EX / IRP-1	EX / IRP-1	EX / AWP-1 / IRP-1			
228	TOILET	EX	EX	EX	EX	EX	EX				
229	TALK RM	EX	EX	EX / AWP-1 / IRP-1	EX / IRP-1	PNT-1 / AWP-1 / IRP-1	EX / IRP-1				
230	BREAK RM	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	EX	PL-1	SSM-1	
231	OPEN OFFICE	CPT-1	RB-1	PNT-1 / AWP-1 / IRP-1	EX / ACP-1						
232	LACTATION	EX	EX	EX	EX / IRP-1	EX	EX / IRP-1				

FINISH MATERIAL LEGEND						
Category	Material Code	Material Type	Basis of Design			Comments
			Manufacturer	Style	Color/Finish	
Carpet	CPT-1	CARPET, MODULAR 18"X36"	SHAW CONTRACT	AWARE TILE, 5T376	GLAZE 58761	
Plastic Panel	IRP-1	IMPACT RESISTANT PANELS	ACROVYN	4000 SERIES	TBD	
Paint	PNT-1	INTERIOR PAINT	BENJAMIN MOORE	SHEEN AS SPECIFIED	OC-37 GLACIER WHITE	BASE PAINT
Paint	PNT-2	INTERIOR PAINT	BENJAMIN MOORE	SHEEN AS SPECIFIED	TBD	ACCENT PAINT
Resilient Flooring	LVP-1	LUXURY VINYL PLANKS	SHAW HARD SURFACES	0188V UNCOMMON GROUND	02140 PROVENCE	
Casework	PL-1	PLASTIC LAMINATE	WILSONART	PREMIUM LAMINATE	7981K-12 LANDMARK WOOD	
Resilient Flooring Accessories	RB-1	RUBBER BASE	JOHNSONITE	TRADITIONAL 4"	44 DARK BROWN	
Acoustical Wall Panels	AWP-1	SOLA FELT	3-FORM	300.47 HUSH STACK PANEL VEIN	BACKGROUND - DRIFTWOOD / FOREGROUND - DUNE	
Casework	SSM-1	SOLID SURFACE MATERIAL	WILSONART	ML SERIES, PARTICULATES, PRICE GROUP 3	9175 AVALANCHE MELANGE	

- GENERAL NOTES:
1. WALL DESIGNATIONS ON ROOM FINISH SCHEDULE ARE BASED ON PLAN ORIENTATION NOT TRUE NORTH
  2. HEIGHT OF IMPACT RESISTANT PLASTIC PANEL (IRP) TO BE 4'-0" HIGH, TYPICAL.
  3. SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHT AND ARRANGEMENT OF ACOUSTICAL WALL PANELS (AWP).
  4. ALL NEW MATERIALS WHOSE FINISH IS NOT OTHERWISE SPECIFIED SHALL BE PAINTED UNLESS OTHERWISE NOTED, TYPICAL.

AECC561

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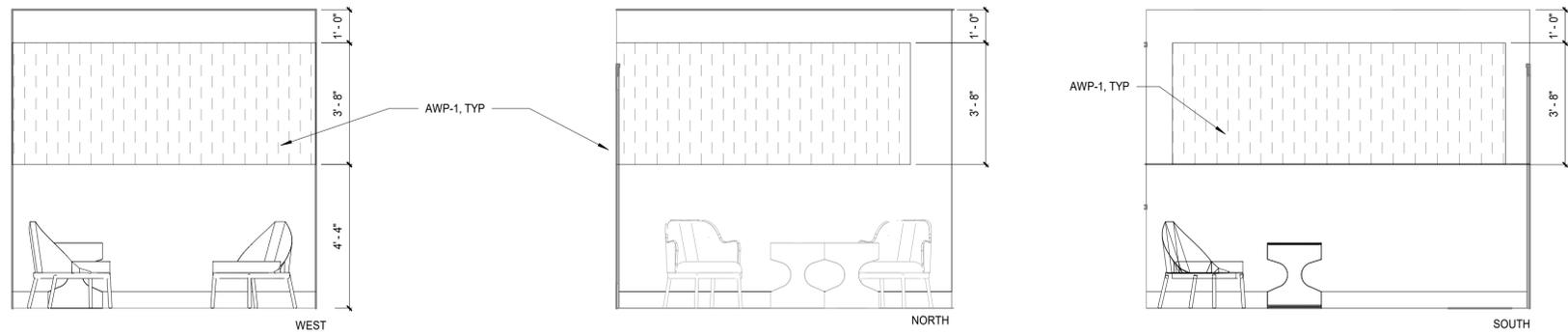
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Checked AB	Job No. 21003.04

Sheet Contents  
SECOND FLOOR FINISH PLAN,  
ROOM FINISH SCHEDULE & FINISH  
MATERIAL LEGEND

Sheet No.  
**A-102**

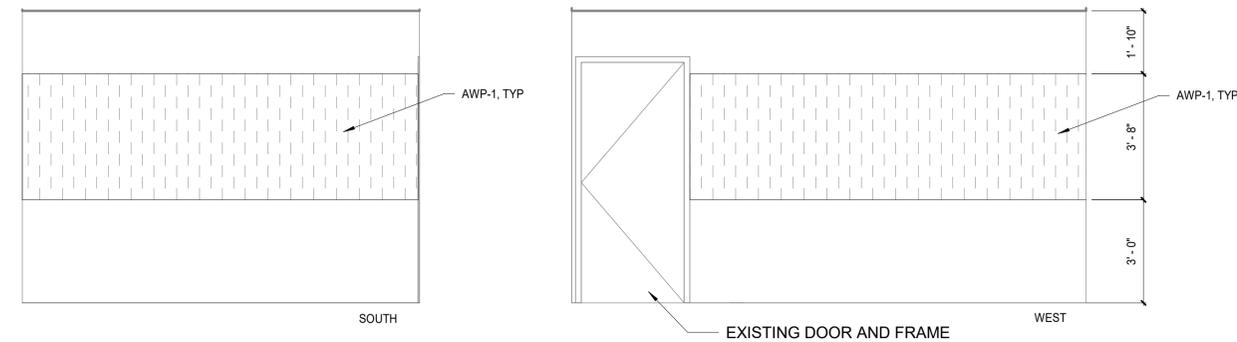
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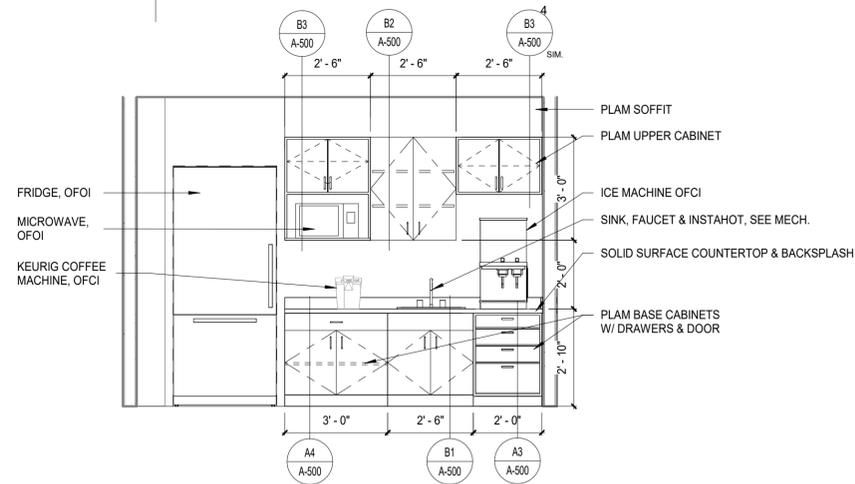


D1 TALK ROOM 227  
A-400 3/8" = 1'-0"

D2 TALK ROOM 229  
A-400 3/8" = 1'-0"

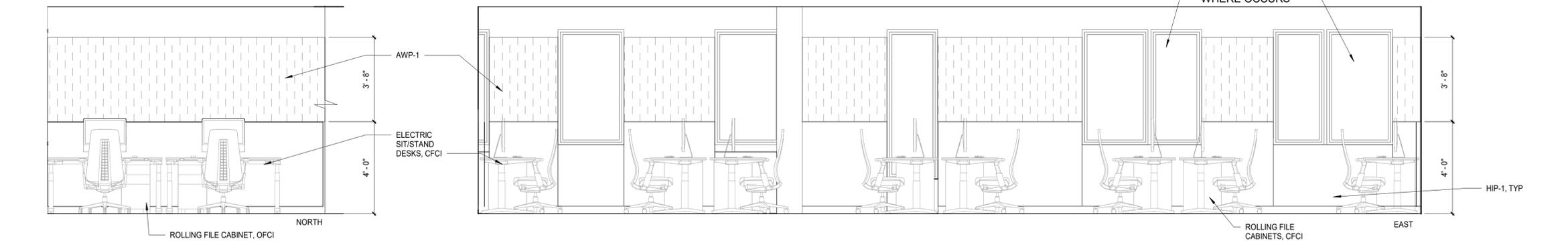


C1 CONFERENCE ROOM 257  
A-400 3/8" = 1'-0"

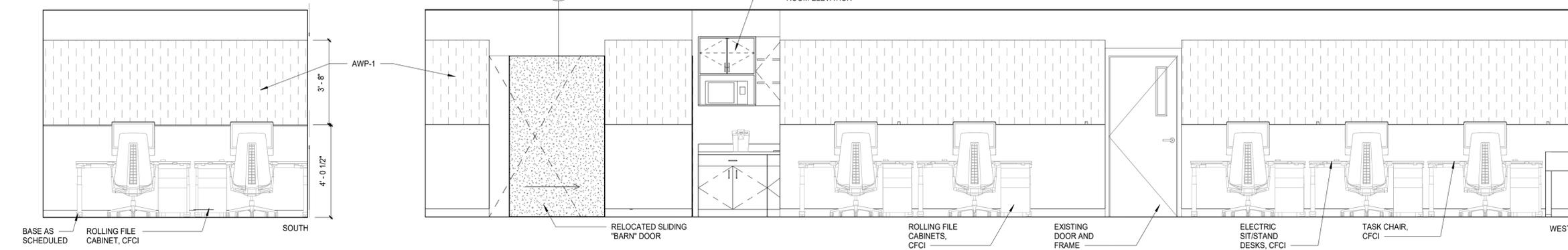


D4 BREAKROOM 230  
A-400 3/8" = 1'-0"

- GENERAL NOTES**
- SEE ROOM FINISH SCHEDULE AND MATERIAL LEGEND FOR FINISH MATERIALS LOCATIONS, TYPES AND COLORS, TYPICAL.
  - ALL NEW MATERIALS WHOSE FINISH IS NOT OTHERWISE SPECIFIED SHALL BE PAINTED UNLESS OTHERWISE NOTED, TYPICAL.
  - PROVIDE 20 GAGE METAL STRAP BACKING IN PARTITION WALLS FOR ATTACHMENT OF WALL MOUNTED CASEWORK AND EQUIPMENT, TYPICAL.
  - SEAL EDGES OF COUNTERTOP BACKSPLASH, TYPICAL.
  - COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATIONS AND HEIGHTS OF POWER AND DATA RECEPTACLES, TYPICAL.
  - PROVIDE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES, TYPICAL.
  - WALL BASE AT CASEWORK TO MATCH WALL BASE AT ADJACENT WALLS UNLESS OTHERWISE NOTED.
  - ALL PAINT COLOR TRANSITIONS TO OCCUR AT AN INSIDE CORNER, TYPICAL.



A1 OPEN OFFICE 231  
A-400 3/8" = 1'-0"



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**Sheet Contents**  
INTERIOR ELEVATIONS

Sheet No.  
**A-400**

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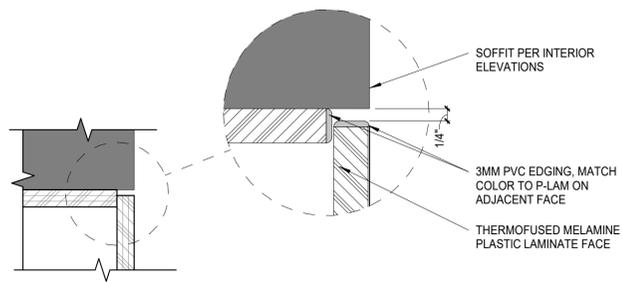
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D

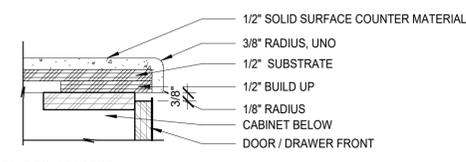
C

B

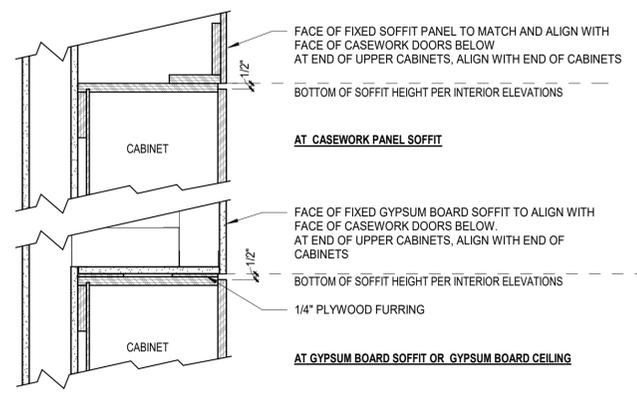
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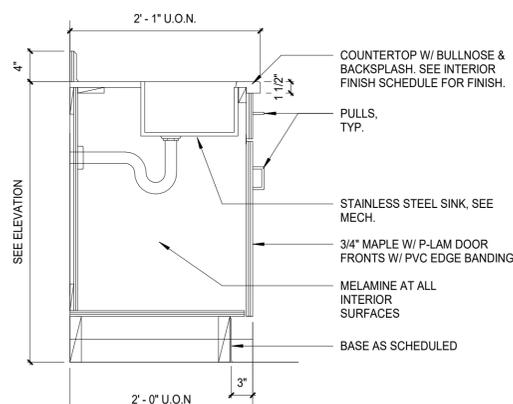
**C1** EDGE OF DOOR DETAIL  
A-500 3" = 1'-0"



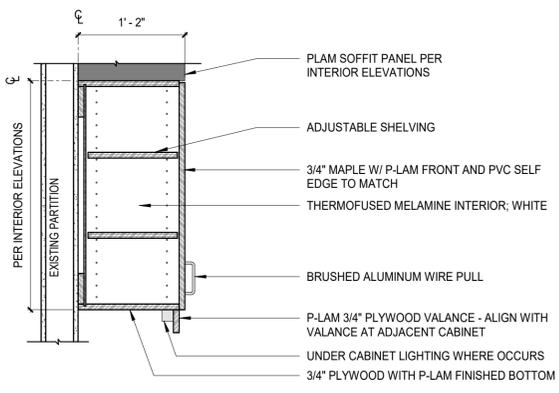
**C2** CASEWORK SOLID SURFACE EDGE DETAIL  
A-500 3" = 1'-0"



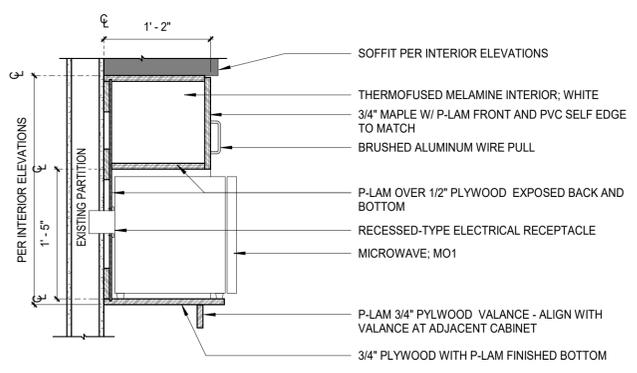
**C3** CASEWORK SOFFIT  
A-500 1 1/2" = 1'-0"



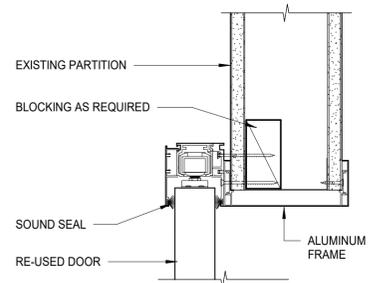
**B1** BASE CABINET W/ SINK  
A-500 1" = 1'-0"



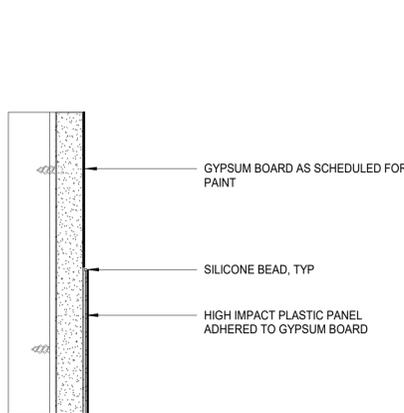
**B2** CASEWORK UPPER CABINET  
A-500 1" = 1'-0"



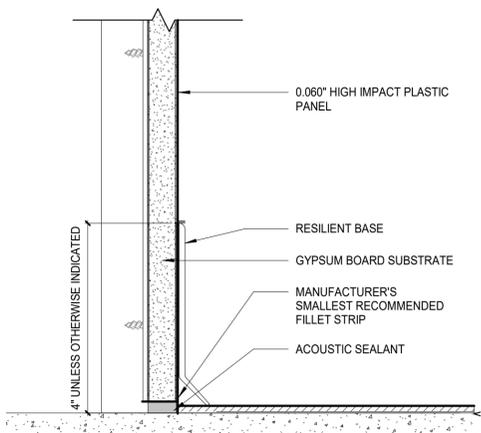
**B3** CASEWORK UPPER MICROWAVE SHELF  
A-500 1" = 1'-0"



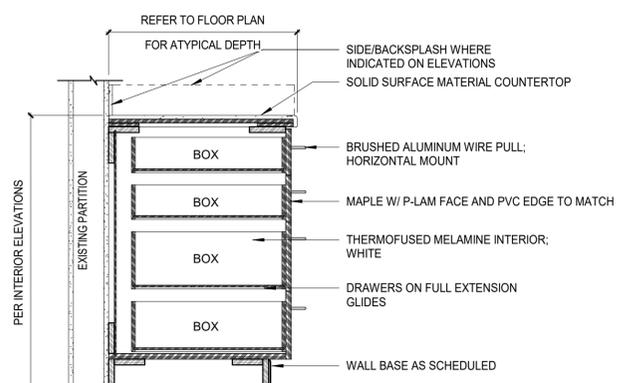
**B4** SLIDING DOOR HEAD DETAIL  
A-500 3" = 1'-0"



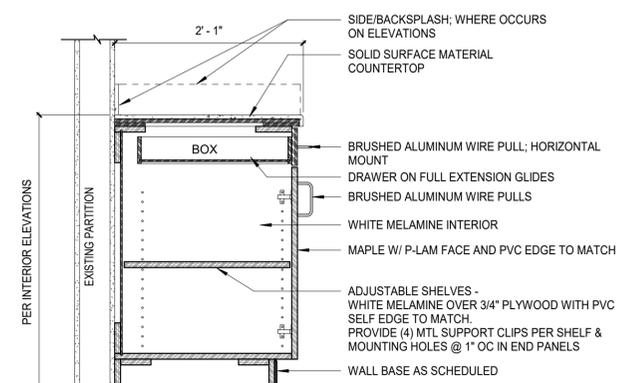
**A1** HIGH IMPACT PLASTIC PANEL DETAIL AT TOP  
A-500 6" = 1'-0"



**A2** RESILIENT BASE WITH WALL PROTECTION BEHIND  
A-500 6" = 1'-0"



**A3** CASEWORK LOWER 4 DRAWERS  
A-500 1" = 1'-0"



**A4** CASEWORK LOWER DOORS AND DRAWER  
A-500 1" = 1'-0"

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No.	Description	Date

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Checked AB	Job No. 21003.04

Sheet Contents  
INTERIOR DETAILS

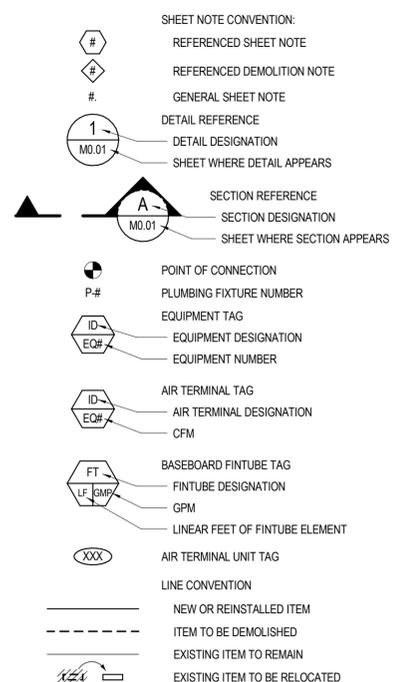
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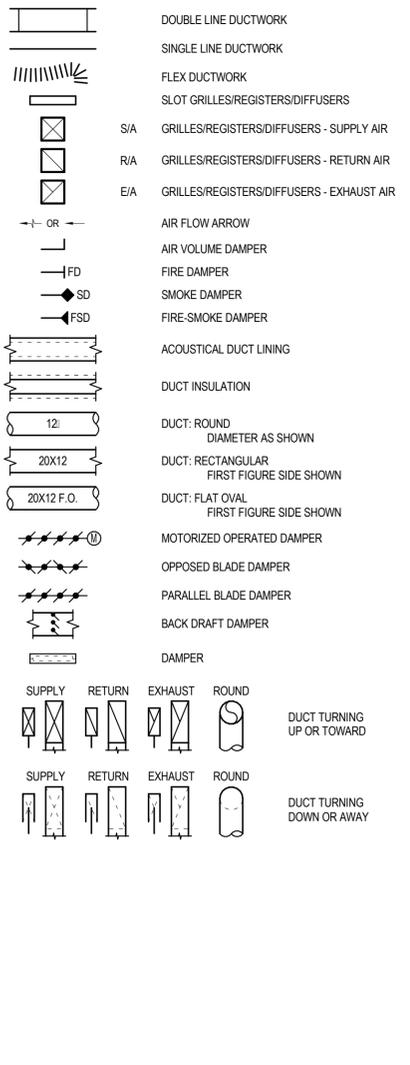
### ABBREVIATIONS

@	AT	IN HG	INCHES MERCURY
&	AND	IN WC	INCHES WATER COLUMN
#	NUMBER	INSUL	INSULATION
%	PERCENT	IPS	INTERNATIONAL PIPE STANDARD
AD	ACCESS DOOR	K	THERMAL CONDUCTIVITY
AAP	AREA ALARM PANEL	KWH	KILOWATT HOUR
ADA	AMERICANS WITH DISABILITIES ACT	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LB/HR	POUNDS PER HOUR
AFG	ABOVE FINISHED GRADE	LBS	POUNDS
AHU	AUTHORITY HAVING JURISDICTION	LF	LINEAR FEET
AHU	AIR-HANDLING UNIT	L	LENGTH
ALT	ALTERNATE	LWT	LEAVING WATER TEMPERATURE
AMB	AMBIENT	LOC	LOCATION/LOCATED
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	LP	LOW PRESSURE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LR	LONG RADIUS
APD	AIR PRESSURE DROP	MAN	MANUAL
APPROX	APPROXIMATE	MAT	MIXED AIR TEMPERATURE
AR	ACID RESISTANT	MAV	MANUAL AIR VENT
ARCH	ARCHITECTURAL	MAX	MAXIMUM
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MBH	THOUSAND BTU PER HOUR
ATM	ATMOSPHERE	MECH	MECHANICAL
AUTO	AUTOMATIC	MFR	MANUFACTURER
AVG	AVERAGE	MH	MANHOLE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM, MINUTE
BAS	BUILDING AUTOMATION SYSTEM	MPH	MILES PER HOUR
BDD	BACKDRAFT DAMPER	MTD	MOUNTED
BHP	BRAKE HORSEPOWER, BOILER HORSEPOWER	NA	NOT APPLICABLE
BLDG	BUILDING	NC	NOISE CRITERIA, NORMALLY CLOSED
BLW	BELOW	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BOD	BOTTOM OF DUCT	NIC	NOT IN CONTRACT
BOP	BOTTOM OF PIPE	NO	NORMALLY OPEN, NUMBER
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BTU PER HOUR	OD	OUTSIDE DIAMETER
C	COMMON, CONDENSATE	OFOI	OWNER FURNISHED, OWNER INSTALLED
C-C	CENTER TO CENTER	OSA	OUTSIDE AIR
CAP	CAPACITY, END CAP	OZ	OUNCE
CCW	COUNTER-CLOCKWISE	PD	PRESSURE DROP OR DIFFERENCE
CF	COOLING FAN, CIRCULATING FAN, CUBIC FOOT	PG	PROPYLENE GLYCOL
CFM	CUBIC FEET PER MINUTE	PL	PLATE
CI	CAST IRON	PLBG	PLUMBING
CL	CENTER LINE	POC	POINT OF CONNECTION
CLG	CEILING	PNL	PANEL
CMPR	COMPRESSOR	PH	PHASE (ELECTRICAL)
COEF	COEFFICIENT	PPM	PARTS PER MILLION
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
COND	CONDENSER	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
CTR	CENTER	PSID	POUNDS PER SQUARE INCH - DIFFERENTIAL
CU	COPPER, CONDENSING UNIT	PRESS	PRESSURE
CU IN	CUBIC INCH	PR	PRIMARY
CV	VALVE FLOW COEFFICIENT	R-407C	REFRIGERANT (407C,410A,ETC.)
CW	CLOCKWISE	R-410A	REFRIGERANT (407C,410A,ETC.)
DB	DECIBEL	R/A	RETURN AIR
DBT	DRY-BULB TEMPERATURE	RAD	RADIANT OR RADIATION
DDC	DIRECT DIGITAL CONTROL	RCVR	RECEIVER
DEG OR °	DEGREE	RECIRC	RECIRCULATE
DEG C	DEGREE CENTIGRADE	RED	REDUCER
DEG F	DEGREE FAHRENHEIT	REFRIG	REFRIGERATION
DEMO	DEMOLITION	REV	REVOLUTIONS
DENS	DENSITY	RF	RELIEF FAN OR RETURN FAN
DGM	DIAGRAM	RH	RELATIVE HUMIDITY
DI	DUCTILE IRON	RM	ROOM
DIA OR Ø	DIAMETER	RPM	REVOLUTIONS PER MINUTE
DIFF	DIFFERENCE OR DELTA	RPS	REVOLUTIONS PER SECOND
DIP	DUCTILE IRON PIPE	S/A	SUPPLY AIR
DISS	DIAMETER-INDEX SAFETY SYSTEM	SAT	SATURATION
DN	DOWN	SCHD	SCHEDULE
DO	DITTO	SCFM	STANDARD CUBIC FEET PER MINUTE
DTL	DETAIL	SD	STORM DRAIN
DWDI	DOUBLE WIDTH DOUBLE INLET	SEC	SECONDARY
DWG	DRAWING	SF	SQUARE FEET
(E)	EXISTING	SH	SENSIBLE HEAT
E/A	EXHAUST AIR	SHG	SENSIBLE HEAT GAIN
EAT	ENTERING AIR TEMPERATURE	SHR	SENSIBLE HEAT RATIO
EF	EXHAUST FAN	SHT	SHEET
EFF	EFFICIENCY	SHWR	SHOWER
EG	ETHYLENE GLYCOL, EXHAUST GRILLE	SP	STATIC PRESSURE
ELEC	ELECTRICAL	SPD	STATIC PRESSURE DROP
ELEV	ELEVATION	SPEC	SPECIFICATION, SPECIFIED
EMB	EMBEDMENT	SPKLR	SPRINKLER
ENT	ENTERING	SR	SHORT RADIUS
EQUI FT	EQUIVALENT FEET	SWIS	SINGLE WIDTH SINGLE INLET
ESP	EXTERNAL STATIC PRESSURE	SQ	SQUARE
EVAP	EVAPORATOR	SS	STAINLESS STEEL, SANITARY SEWER
EXP	EXPANSION	STD	STANDARD
EWT	ENTERING WATER TEMPERATURE	SUCT	SUCTION
°F	FAHRENHEIT	TA	TRANSFER AIR
FA	FACE AREA	TEMP	TEMPERATURE, TEMPORARY
F-F	FACE TO FACE	THRU	THROUGH
FD	FIRE DAMPER	TOD	TOP OF DUCT
FLEX	FLEXIBLE	TONS	TONS OF REFRIGERATION
FLR	FLOOR	TOP	TOP OF PIPE
FOB	FLAT ON BOTTOM	TYP	TYPICAL
FOT	FLAT ON TOP	UG	UNDERGROUND
FP	FREEZING POINT	UNLESS	UNLESS OTHERWISE NOTED
FPM	FEET PER MINUTE	UPC	UNIFORM PLUMBING CODE
FPS	FEET PER SECOND	V	VOLTS OR VOLTAGE
FSD	FIRE-SMOKE DAMPER	VAC	VACUUM
FSDM	FIRE-SMOKE DAMPER, MODULATING	VAC	VOLTS (ALTERNATING CURRENT)
FT OR'	FOOT OR FEET	VAL	VALVE
FV	FACE VELOCITY	VAP PR	VAPOR PRESSURE
GA	GAGE OR GAUGE	VAR	VARIABLE
GAL	GALLONS	VAV	VARIABLE AIR VOLUME
GPD	GALLONS PER DAY	VDC	VOLTS (DIRECT CURRENT)
GPH	GALLONS PER HOUR	VEL	VELOCITY
GPM	GALLONS PER MINUTE	VEL	VELOCITY
GR	GRAINS	VERT	VERTICAL
GRD	GRILLES, REGISTERS, DIFFUSERS	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VOL	VOLUME
HDPE	HIGH DENSITY POLYETHYLENE	VP	VELOCITY PRESSURE
HG	HEAT GAIN	VSD	VARIABLE SPEED DRIVE
HT	HEIGHT	VTR	VENT THROUGH ROOF
HP	HORSEPOWER	W	WATT
HR	HOUR(S)	W	WITH
HVAC	HEATING, VENTILATING & AIR-CONDITIONING	W/O	WITHOUT
HZ	FREQUENCY	WB	WET BULB TEMPERATURE
I/W	IN ACCORDANCE WITH	WC	WATER COLUMN
ID	INSIDE DIAMETER	WH	WATH-HOUR
IE	INVERT ELEVATION	WP	WEATHER PROOF, WATER PROOF
IBC	INTERNATIONAL BUILDING CODE	WPD	WATER PRESSURE DROP
IFC	INTERNATIONAL FIRE CODE	WT	WEIGHT
IMC	INTERNATIONAL MECHANICAL CODE	YD	YARD
IN OR"	INCH OR INCHES	ZVB	ZONE VALVE BOX

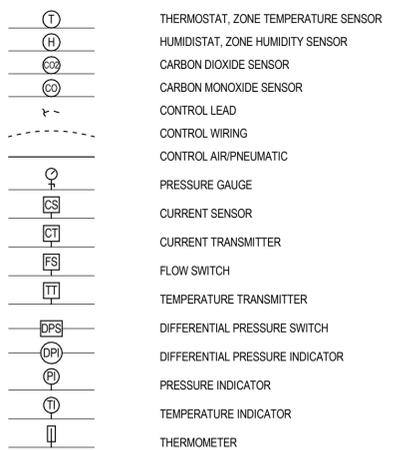
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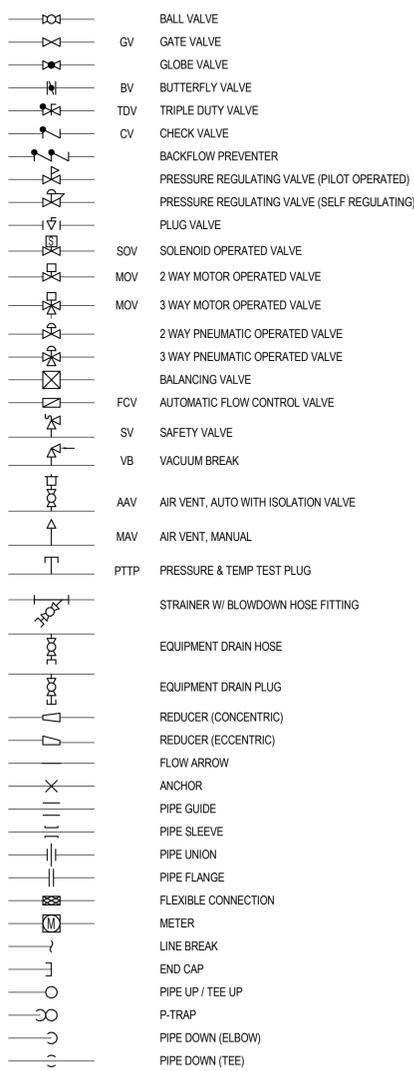
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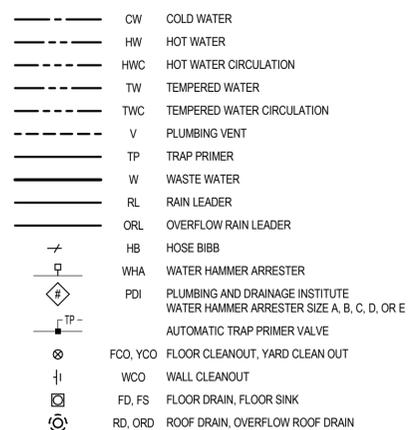
### MONITORING AND CONTROLS



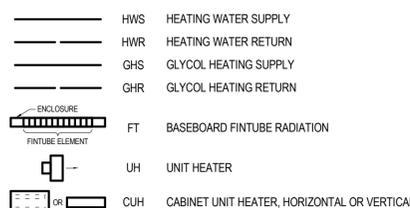
### GENERAL PIPING



### PLUMBING PIPING



### HYDRONIC PIPING



### MECHANICAL DRAWING INDEX

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M-002	MECHANICAL SCHEDULES
M-100	SECOND FLOOR PLAN - OVERALL
MD-101	DEMOLITION SECOND FLOOR - MECHANICAL
M-101	SECOND FLOOR PLAN - MECHANICAL
M-500	DIAGRAMS & DETAILS

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MDL	21003.04

Sheet Contents

MECHANICAL LEGEND AND ABBREVIATIONS

Sheet No.

**M-001**

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Plot Date Time: 12/18/2025 12:54:53 PM

1	2	3	4
D			
C			
B			
A			

### PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	FIXTURE	WASTE (INCH)	VENT (INCH)	HW (INCH)	CW (INCH)	POWER	REMARKS, BASIS OF DESIGN
SECTION 22 4000 - PLUMBING FIXTURES							
P-6H (1)	HAND WASH SINK	1-1/2	1-1/2	1/2	1/2	-	STAINLESS STEEL, SINGLE BOWL, 6-1/2" DEPTH, WITH LOW-PROFILE FAUCET, WRISTBLADE HANDLES, AERATOR NOZZLE, ADA COMPLIANT, ASSE 1070 THERMOSTATIC MIXING VALVE. FAUCET: DELTA 2529LF-LGHDF. SINK ELKAY LRAD1911965.
P-19H	BREAK ROOM SINK	1-1/2	1-1/2	1/2	1/2	115V,750W 6.25A	STAINLESS STEEL, SINGLE BOWL, 5-1/2" DEPTH, WITH SINGLE LEVER FAUCET, HOSE AND SPRAY, HOT WATER DISPENSER WITH 1/2" FILTERED COLD WATER CONNECTION. FAUCET: DELTA 9159-DST. SINK ELKAY LRAD312255.
WB-1	SUPPLY WALL BOX	2	1-1/2	-	1/2	-	METAL REFRIGERATOR SUPPLY BOX WITH WATER HAMMER ARRESTER AND DRAIN OUTLET. CONNECT TO FILTERED COLD WATER. IPS GUY GRAY RMDW1A.
IM-1	COUNTERTOP ICE MAKER	2	-	-	1/2	-	ICE MAKER FURNISHED BY OTHERS, PROVIDE NSF BACKFLOW PREVENTOR. DRAIN ROUTED TO RECESSED WALL BOX WB-1.

NOTES:  
 (1) EXISTING LAVATORY AND FAUCET TO BE RELOCATED.

### AIR INLET/OUTLET SCHEDULE

SYMBOL	SCFM RANGE	MAX NC	MAX APD (IN WC)	ACTIVE FACE SIZE (INCH)	DUCT SIZE (INCH)	BASIS OF DESIGN	REMARKS
SECTION 23 3700 - AIR OUTLETS AND INLETS							
SB	200	10	0.03	14X14	8X8	TITUS MCD-AA	CEILING SUPPLY DIFFUSER: ALUMINUM, MODULAR CORE, ADJUSTABLE PATTERN, SQUARE NECK, COORDINATE BORDER TYPE WITH RCP.
SC	300	13	0.03	16X16	10X10	TITUS MCD-AA	SAME AS SB, EXCEPT SIZE.

### VAV TERMINAL UNIT SCHEDULE

VAV-NUMBER	LOCATION	AHU	MIN CFM UNOCC	MIN CFM OCC	MAX HEAT. CFM	MAX COOL. CFM	EAT (DEG F)	LAT (DEG F)	MAX APD (INCH WC)	COIL MBH (1)	COIL ROWS	COIL GPM	BOX TYPE (2)
SECTION 23 3600 - AIR TERMINAL UNITS													
VAV-201 (4)	OPEN OFFICE 216	2	450	450	700	1,050	55	93	0.2	28.5	2	1.75	12" INLET
VAV-202 (4)	TALK 229	2	100	100	100	125	55	106	0.1	5.5	2	0.55	6" INLET
VAV-204 (5)	OPEN OFFICE 231	2	225	225	325	540	55	93	0.2	13.6	2	1.00	8" INLET
VAV-205 (3)	OPEN OFFICE 231	2	225	225	325	540	55	93	0.2	13.6	2	1.00	8" INLET
VAV-221 (3)	HALL 237 / 243 / 274	2	460	460	460	550	55	90	0.1	17.2	2	0.75	9" INLET
VAV-244 (3)	TALK 227 / LACTATION 230	2	150	150	200	200	55	98	0.1	9.3	2	0.55	6" INLET

NOTES:  
 (1) SUBMITTALS SHALL INDICATE HEATING CAPACITY AT HEATING CFM  
 (2) BASIS OF DESIGN: TITUS DESV.  
 (3) EXISTING VAV BOX WITH REVISED PERFORMANCE CRITERIA.  
 (4) EXISTING VAV BOX WITHOUT PERFORMANCES CHANGES. INFORMATION PROVIDED FOR REFERENCE ONLY.  
 (5) NEW VAV BOX.



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No.	Description	Date

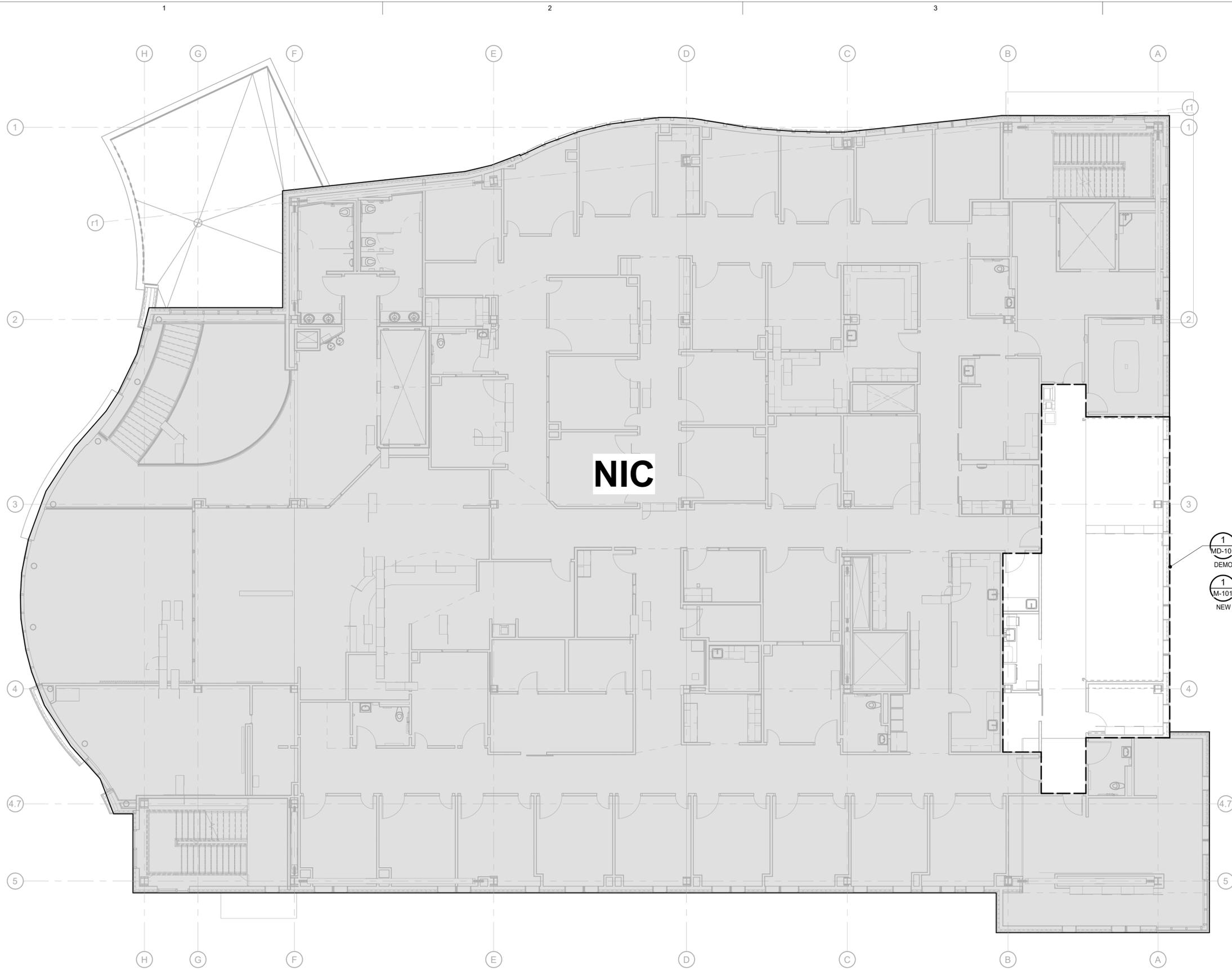
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Sheet Contents  
 MECHANICAL SCHEDULES

Sheet No.  
**M-002**

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Plot Date Time: 12/18/2025 12:54:55 PM



**1 SECOND FLOOR PLAN - OVERALL PLAN**  
 M-100 Scale: 1/8" = 1'-0"



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 Mark A. Langberg  
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 REGISTERED PROFESSIONAL ENGINEER  
 25325

SOUTHCENTRAL FOUNDATION  
**SLT ICT RENOVATION**  
 4441 DIPLOMACY DR.

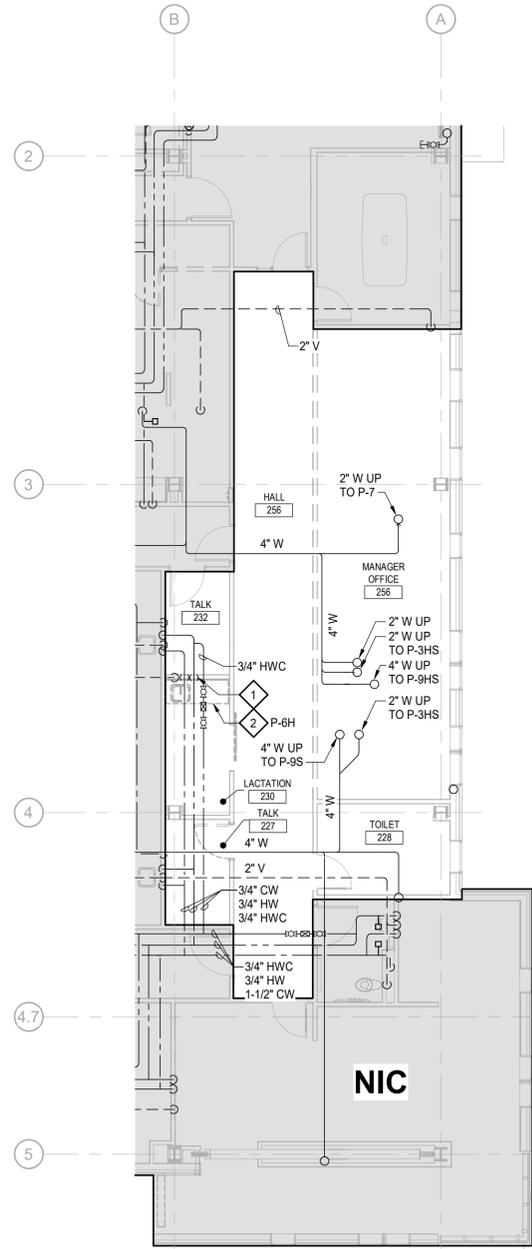
Revisions

No.	Description	Date

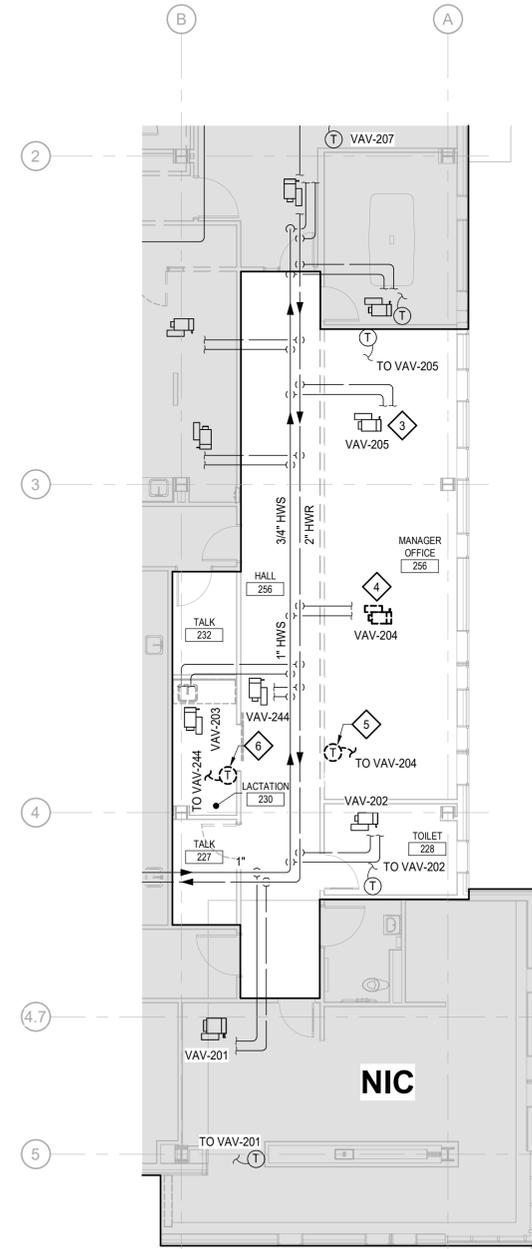
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Sheet Contents  
 SECOND FLOOR PLAN - OVERALL

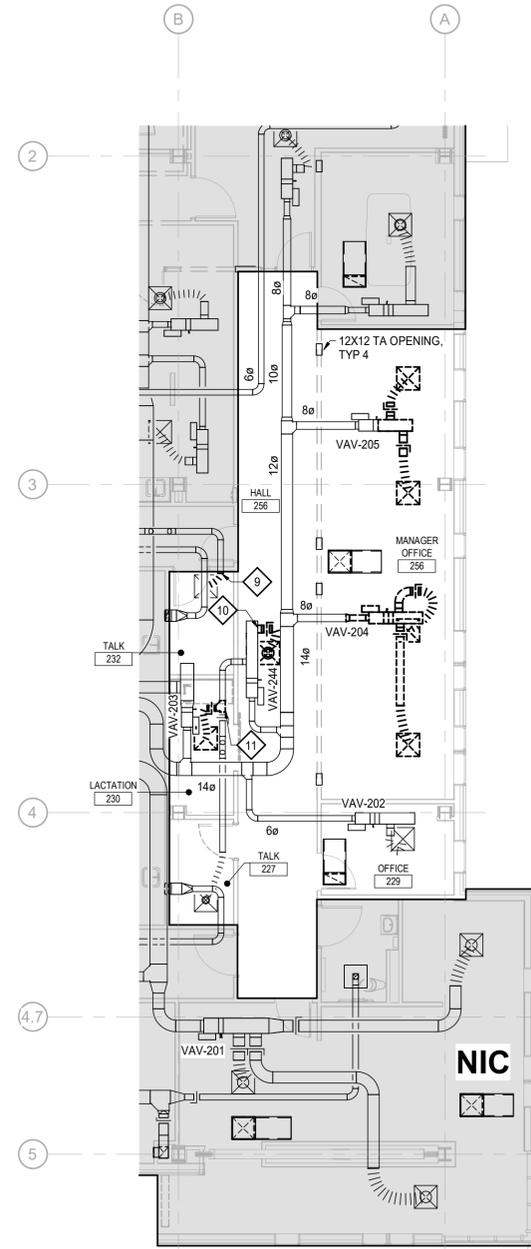
Sheet No.  
**M-100**



**1 DEMOLITION SECOND FLOOR PLAN - PLUMBING**  
 MD-101 Scale: 1/8" = 1'-0"



**2 DEMOLITION SECOND FLOOR PLAN - HEATING**  
 MD-101 Scale: 1/8" = 1'-0"



**3 DEMOLITION SECOND FLOOR PLAN - VENTILATION**  
 MD-101 Scale: 1/8" = 1'-0"

**GENERAL NOTES**

- COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.
- COORDINATE PHASING WITH NEW WORK.
- FIELD VERIFY EXISTING CONDITIONS.

**DEMOLITION NOTES**

- DEMOLISH DOMESTIC COLD WATER, HOT WATER, WASTE AND VENT PIPING TO P-6H. PREPARE PIPING FOR NEW FIXTURE CONNECTIONS.
- REMOVE AND RETAIN P-6H AND COUNTER FOR REINSTALLATION.
- DEMOLISH 0.75 GPM AUTOMATIC FLOW LIMITING VALVE ON VAV 205.
- DEMOLISH VAV 204 PIPING CONNECTIONS AND VALVES.
- REMOVE AND RETAIN VAV-204 THERMOSTAT.
- REMOVE AND RETAIN VAV-244 THERMOSTAT.
- DEMOLISH VAV-205 12X10 PLENUM, LOW VELOCITY DUCT WORK, DAMPERS AND SUPPLY DIFFUSERS.
- DEMOLISH VAV-204 PLENUM, LOW VELOCITY DUCT WORK, DIFFUSERS, AND MEDIUM SUPPLY DUCT WORK FROM INLET TO 6" X 6" REDUCER.
- DEMOLISH 6" FLEXIBLE DUCT BACK TO WALL PENETRATION.
- DEMOLISH 6" DUCT TAP, BALANCE DAMPER, FLEXIBLE DUCT AND SA DIFFUSER.
- DEMOLISH 6" TEE, BALANCE DAMPER, FLEXIBLE DUCT AND SA DIFFUSER.

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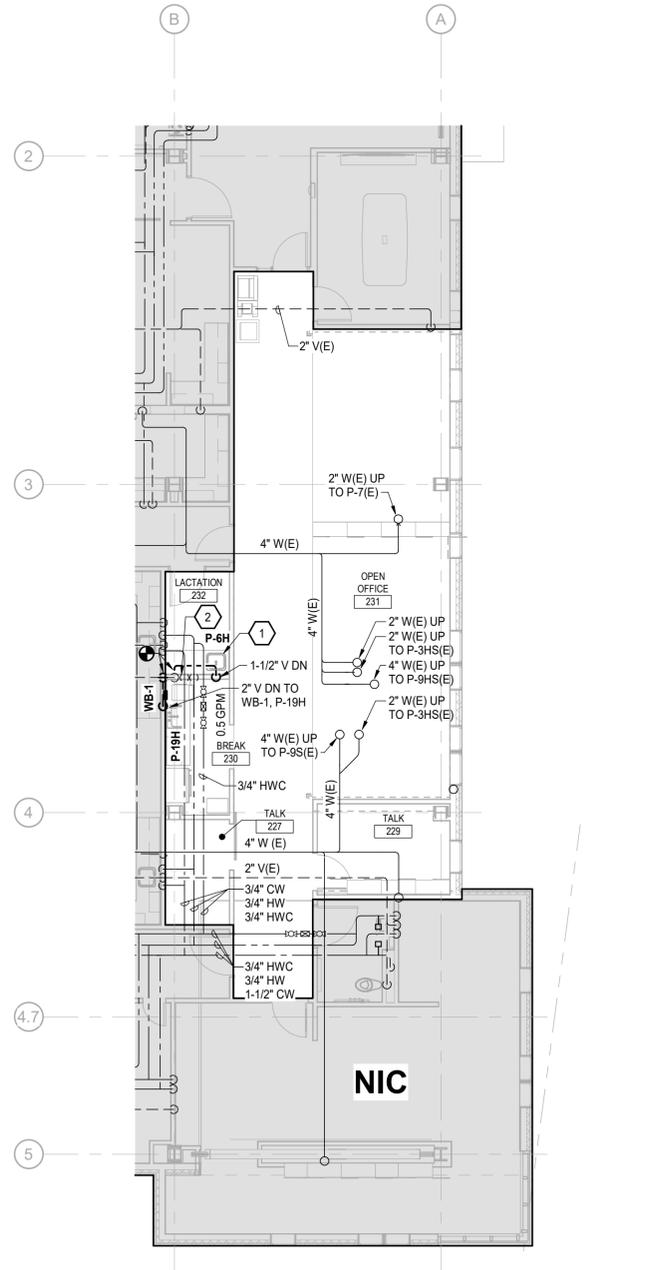
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No.	Description	Date

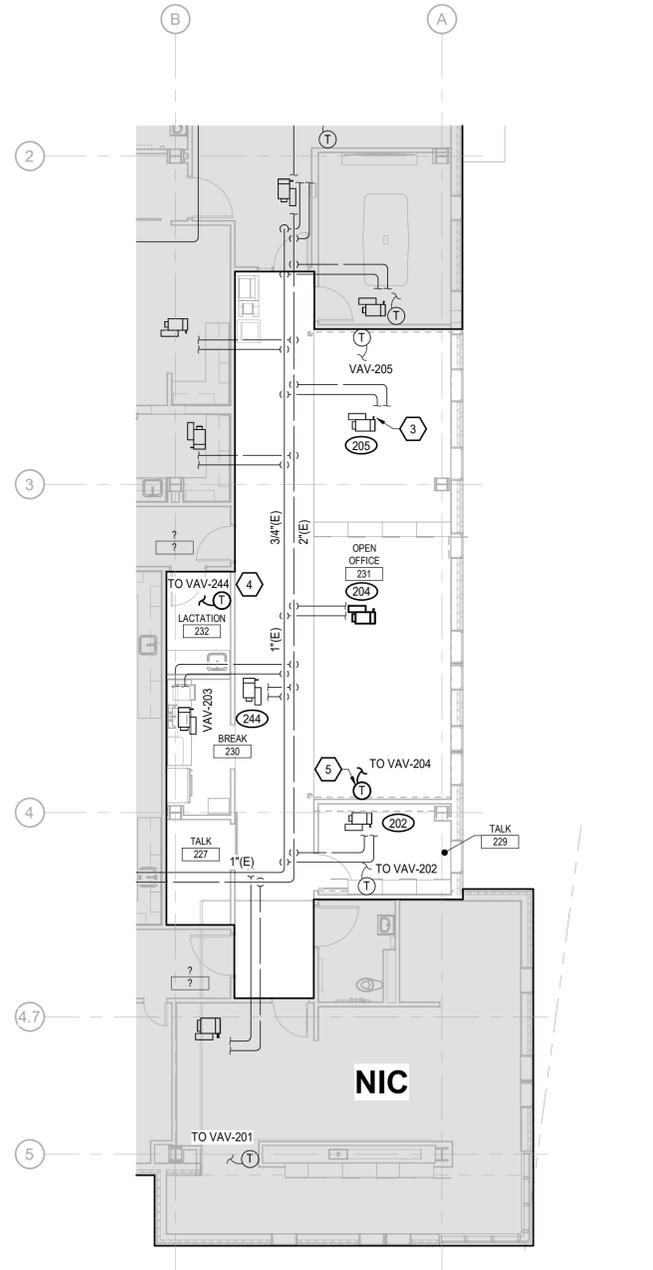
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Sheet Contents  
 DEMOLITION SECOND FLOOR -  
 MECHANICAL

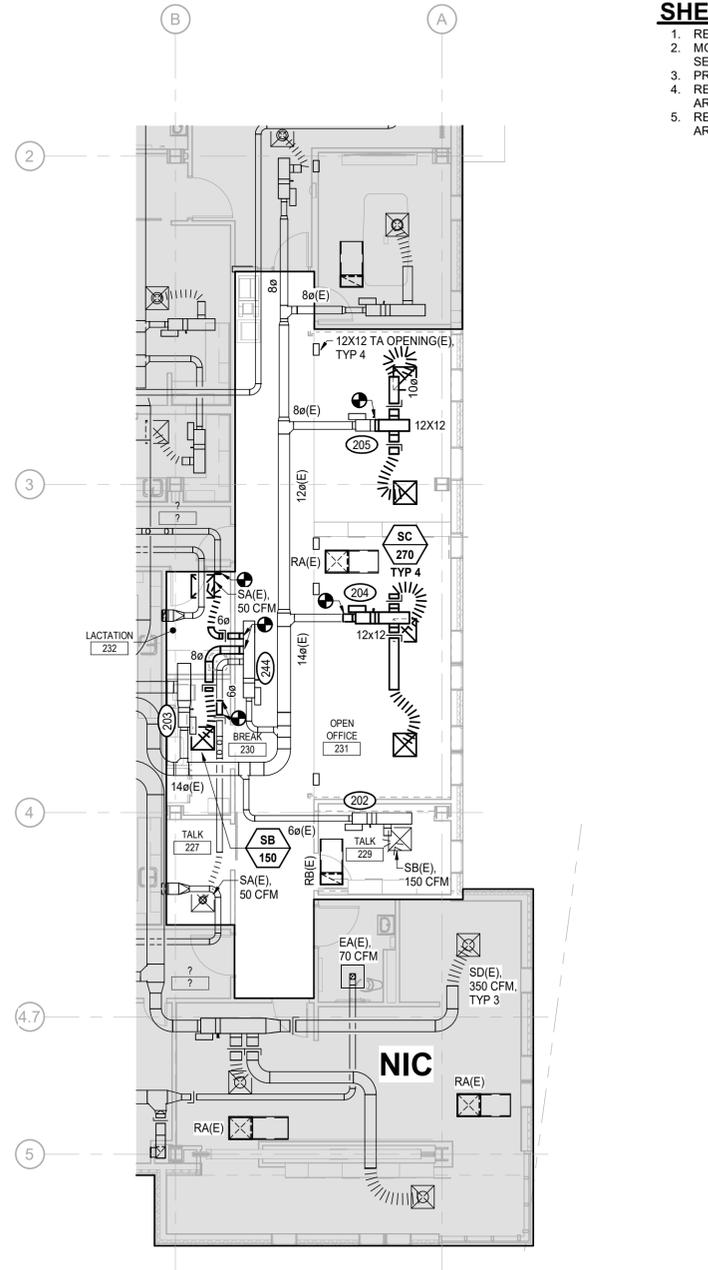
Sheet No.  
**MD-101**



**1 SECOND FLOOR PLAN - PLUMBING**  
 M-101 Scale: 1/8" = 1'-0"  
 0 4' 8' 16' 24'



**2 SECOND FLOOR PLAN - HEATING**  
 M-101 Scale: 1/8" = 1'-0"  
 0 4' 8' 16' 24'



**3 SECOND FLOOR PLAN - VENTILATION**  
 M-101 Scale: 1/8" = 1'-0"  
 0 4' 8' 16' 24'

**GENERAL NOTES**

1. MINIMUM PLUMBING PIPE SIZE SERVING MULTIPLE FIXTURES IS 3/4". REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR INDIVIDUAL FIXTURE PIPE SIZES.
2. MINIMUM HYDRONIC PIPE SIZE IS 3/4" UNLESS OTHERWISE NOTED.
3. LOCATE REHEAT COIL PIPING, VALVES, ACCESS DOORS, AND CONTROL BOX ON SAME SIDE OF AIR TERMINAL UNIT FOR SINGLE POINT ACCESS.
4. FOR VAV REHEAT COIL, SEE DETAIL 1/M-500.
5. FOR DUCT FITTINGS, SEE DETAIL 2/M-500.
6. FOR DUCT PENETRATION, SEE DETAIL 3/M-500.
7. FOR FLEX DUCT CONNECTION, SEE DETAIL 4/M-500.

**SHEET NOTES**

1. REINSTALL P-6H AND COUNTER TOP.
2. MODIFY DOMESTIC COLD WATER, HOT WATER, AND DWV PIPING TO SERVE P-6H AND P-19H. SEE DIAGRAM 5/M-500.
3. PROVIDE 1 GPM AUTOMATIC FLOW LIMITING VALVE FOR VAV-205.
4. REINSTALL VAV-244 THERMOSTAT. COORDINATE WITH ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
5. REINSTALL VAV-204 THERMOSTAT. COORDINATE WITH ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.



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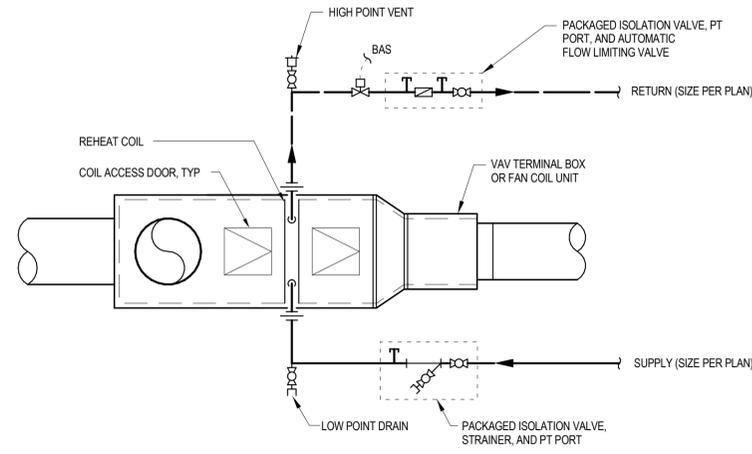
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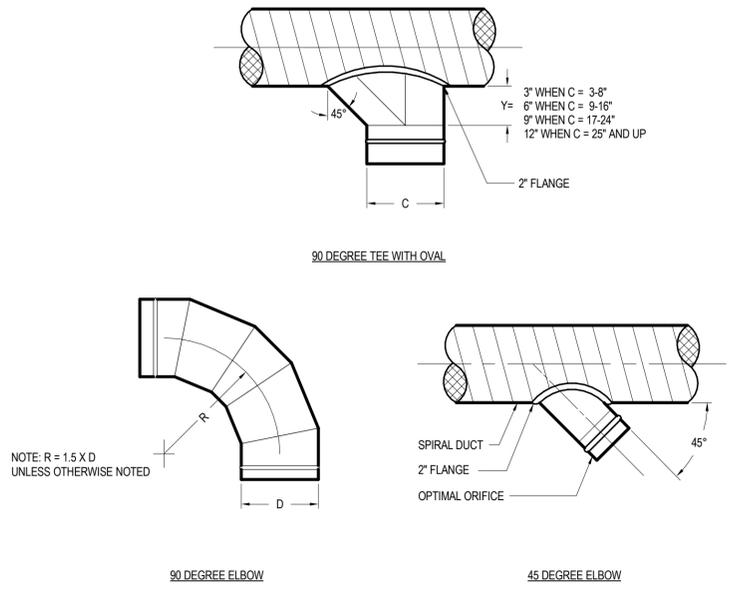
Sheet Contents  
 SECOND FLOOR PLAN -  
 MECHANICAL

Sheet No.  
**M-101**

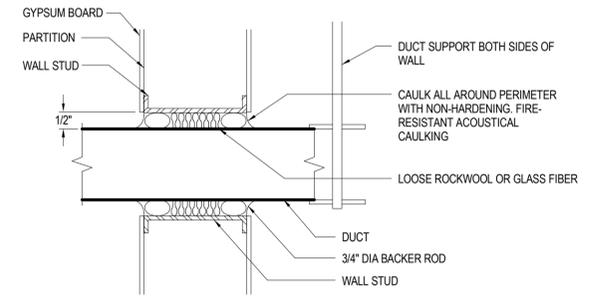


NOTES:  
1. SUPPLY AND RETURN HYDRONIC PIPING SHOWN OFFSET FOR CLARITY.

**1** **DETAIL - VAV BOX WITH REHEAT COIL (TWO-WAY)**  
M-500 SCALE: NONE

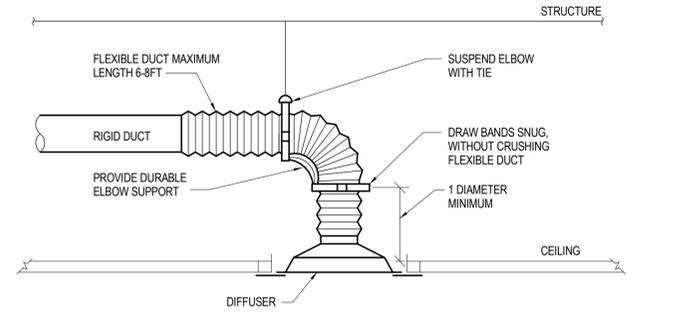


**2** **DETAIL - TYPICAL DUCT FITTINGS**  
M-500 SCALE: NONE



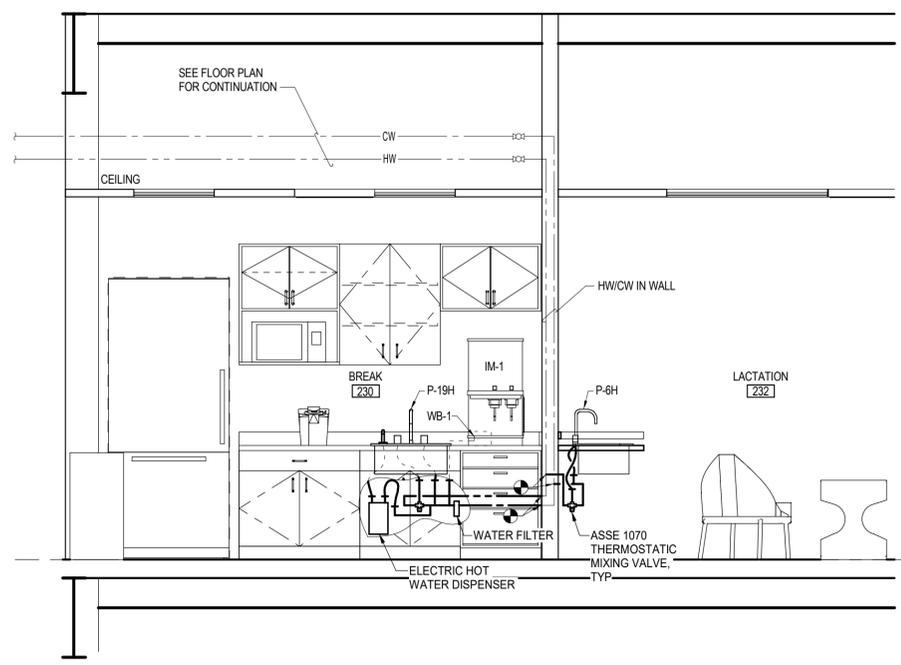
NOTES:  
1. DUCT SHALL NOT CONTACT WALL.  
2. CAULKING SHALL FORM AIR-TIGHT SEAL AROUND DUCT.  
3. TERMINATE AND SEAL DUCT INSULATION ON BOTH SIDES OF WALL PENETRATION.

**3** **DETAIL - DUCT PENETRATION**  
M-500 SCALE: NONE



NOTES:  
1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3 DIAMETERS, PROVIDE AN EQUALIZING GRID.

**4** **DETAIL - FLEXIBLE DUCT CONNECTION**  
M-500 SCALE: NONE



NOTES:  
1. MODIFY AND EXTEND DWV PIPING TO SERVE NEW FIXTURES.

**5** **DIAGRAM - BREAK ROOM PLUMBING**  
M-500 SCALE: NONE

AEC561

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Sheet Contents  
DIAGRAMS & DETAILS

Sheet No.  
**M-500**

### GENERAL

**SHEET NOTE CONVENTION:**

- 1: REFERENCED SHEET NOTE
- 2: GENERAL SHEET NOTE
- #: FEEDER IDENTIFICATION TAG
- #: FEEDER NUMBER
- 1: DETAIL REFERENCE
- E0.1: DETAIL NUMBER
- E0.1: SHEET WHERE DETAIL APPEARS
- A: SECTION REFERENCE
- E0.1: SECTION LETTER
- E0.1: SHEET WHERE SECTION APPEARS

**LINE WORK CONVENTION:**

- NEW OR REINSTALLED ITEM
- ITEM TO BE DEMOLISHED
- EXISTING ITEM TO REMAIN
- FUTURE ITEM
- EXISTING ITEM TO BE RELOCATED

**CONDUIT/FEEDER LINE CONVENTION:**

- CONCEALED
- UNDERGROUND OR CONCEALED IN FLOOR
- EXPOSED
- FLEXIBLE CONDUIT

**CIRCUITING CONVENTION**

- P-1,3: CIRCUIT NUMBER(S)
- PANEL

**BRANCH CIRCUIT HOMERUN TO PANELBOARD**

- NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWAY, NOT COUNTING GROUNDING CONDUCTORS. (ABSENCE OF MARKS INDICATE TWO CONDUCTORS, PLUS REQUIRED GROUNDS)
- UNSWITCHED CONDUCTORS SHOWN ON HOMERUN SIDE OF NEUTRAL
- NEUTRAL
- SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL

### ABBREVIATIONS

ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
APPROX	APPROXIMATE
AHJ	AUTHORITY HAVING JURISDICTION
BAS	BUILDING AUTOMATION SYSTEM
CKT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CMH	COMMUNICATIONS MANHOLE
C	CONDUIT
C.O.	CONDUIT ONLY
CU	COPPER
(D)	DEMOLISH
DB	DECIBEL
EL	EMERGENCY LIGHT
ELU	EMERGENCY LIGHTING UNIT
ENL	EMERGENCY NIGHT LIGHT
(E)	EXISTING
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FSD	FIRE/SMOKE DAMPER
FZ	FREQUENCY
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
K	KELVIN
KVA	KILO VOLT-AMPS
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MIN	MINIMUM
MM	MULTIMODE FIBER OPTIC CABLE
MTR	MAIN TELECOM ROOM
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFC	OPTICAL FIBER CABLE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PA	PUBLIC ADDRESS
PH	PHASE (ELECTRICAL)
PLC	PROGRAMMABLE LOGIC CONTROLLER
PMCS	POWER MONITORING CONTROL SYSTEM
SM	SINGLEMODE FIBER OPTIC CABLE
SMR	SURFACE MOUNTED RACEWAY
SPD	SURGE PROTECTIVE DEVICE
TELECOM	TELECOMMUNICATION
TR	TYPICAL
UON	UNLESS OTHERWISE NOTED
VR	VANDAL RESISTANT
VSD	VARIABLE SPEED DRIVE
VAC	VOLTS (ALTERNATING CURRENT)
VDC	VOLTS (DIRECT CURRENT)
V	VOLTS OR VOLTAGE
W	WATT
WP	WEATHERPROOF
WG	WIRE GUARD

### LIGHTING

- LIGHTING FIXTURE
- LIGHTING FIXTURE - WALL MOUNTED
- LIGHTING FIXTURE - SURFACE OR PENDANT MOUNTED
- LIGHTING FIXTURE - RECESS MOUNTED
- LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT, NIGHT LIGHT
- LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT
- EXIT FIXTURE - WALL MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
- EXIT FIXTURE - CEILING MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
- EMERGENCY LIGHTING UNIT - WALL MOUNTED (FIXTURE TYPE XA)
- EMERGENCY LIGHTING UNIT - CEILING MOUNTED (FIXTURE TYPE XA)
- SITE LIGHTING - POLE MOUNTED
- SINGLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- SWITCH FOR FIXTURES MARKED 'a'
- DIMMER SWITCH
- KEYED SWITCH
- MOMENTARY SWITCH
- OCCUPANCY SENSOR/SWITCH
- PILOT LIGHTED SWITCH
- PHOTOCELL
- DAYLIGHT SENSOR - WALL MOUNTED
- DAYLIGHT SENSOR - CEILING MOUNTED
- OCCUPANCY SENSOR - WALL MOUNTED
- OCCUPANCY SENSOR - CEILING MOUNTED

### FIRE ALARM

- FIRE ALARM STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM HORN - WALL MOUNTED
- FIRE ALARM HORN - CEILING MOUNTED
- FIRE ALARM SPEAKER - WALL MOUNTED
- FIRE ALARM SPEAKER - CEILING MOUNTED
- BELL - WALL MOUNTED
- FIRE ALARM HORN/STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM HORN/STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM SPEAKER/STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM SPEAKER/STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM CHIME/STROBE - WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM CHIME/STROBE - CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
- FIRE ALARM MANUAL PULL STATION
- MULTI-TECHNOLOGY SMOKE DETECTOR
- HEAT DETECTOR
- FIXED TEMPERATURE HEAT DETECTOR (135 DEGREES FAHRENHEIT)
- DUCT DETECTOR
- FLOW SWITCH
- TAMPER SWITCH
- PRESSURE SWITCH
- MAGNETIC DOOR HOLDER
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR

### POWER

**RECEPTACLE MOUNTING:**

- RECEPTACLE - WALL MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
- RECEPTACLE - WALL MOUNTED, HORIZONTAL (SEE "RECEPTACLE TYPES" BELOW)
- RECEPTACLE - FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
- RECEPTACLE - CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)

**RECEPTACLE TYPES:**

- DUPLEX RECEPTACLE
- GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE

**ELECTRICAL DEVICES:**

- SPECIAL PURPOSE RECEPTACLE, 3 PHASE, NEMA TYPE AS NOTED
- SPECIAL PURPOSE RECEPTACLE, 1 PHASE, NEMA TYPE AS NOTED
- POWER POLE
- MOTOR
- SWITCH - THERMAL TRIP WITH HEATER
- SURFACE MOUNTED RACEWAY
- FUSED DISCONNECT
- NON-FUSED DISCONNECT
- COMBINATION STARTER/FUSED DISCONNECT
- STARTER OR CONTACTOR
- JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT
- METERING DEVICE
- VARIABLE SPEED DRIVE
- PUSHBUTTON - SPECIAL
- PUSHBUTTON (1 BUTTON)
- PUSHBUTTON (2 BUTTON)
- PUSHBUTTON (3 BUTTON)
- PANEL - SURFACE MOUNTED
- PANEL - FLUSH MOUNTED
- TRANSFORMER
- RELAY
- GROUND FAULT RELAY

### COMMUNICATIONS

- TELECOMMUNICATION OUTLET - (X DENOTES NUMBER OF PORTS)
- TELECOMMUNICATION OUTLET - FLOOR MOUNTED (X DENOTES NUMBER OF PORTS)
- INTERCOM CALL IN STATION
- INTERCOM MASTER STATION
- DISTRIBUTED ANTENNA SYSTEM
- WIRELESS ACCESS POINT (CEILING MOUNT), 1 TELECOM OUTLET
- AUDIO/VIDEO OUTLET, -90° AFF, UON.
- SPEAKER - WALL MOUNTED
- SPEAKER - CEILING OR PENDANT MOUNTED
- MICROPHONE CONNECTION
- MICROPHONE CONNECTION - CEILING MOUNTED
- ANALOG CLOCK
- ANALOG CLOCK/SPEAKER UNIT
- DIGITAL CLOCK
- DIGITAL CLOCK/SPEAKER UNIT

### SECURITY

- GLASS BREAK DETECTOR - WALL MOUNTED
- GLASS BREAK DETECTOR - CEILING MOUNTED
- SECURITY INFRARED MOTION DETECTOR - LONG RANGE - WALL MOUNTED
- SECURITY INFRARED MOTION DETECTOR - 360 DEGREE COVERAGE - CEILING MOUNTED
- DOOR CONTACT
- AUTOMATIC DOOR OPENER
- DOOR HOLDER/CLOSER
- MAGNETIC HOLDER/RELEASE
- MONITOR SWITCH
- MAGNETIC LOCK
- ELECTRONIC LOCK
- ELECTRONIC STRIKE
- ELECTRIC POWER TRANSFER
- REQUEST TO EXIT SENSOR
- DELAYED EGRESS
- KEYPAD
- SECURITY CARD READER
- CAMERA - FIXED
- CAMERA - PAN, TILT, ZOOM
- CAMERA - MULTI-SENSOR

### ELECTRICAL DRAWING INDEX

E-001	ELECTRICAL LEGEND AND ABBREVIATIONS
E-002	ELECTRICAL SCHEDULES
E-100	SECOND FLOOR PLAN - OVERALL
ED-101	DEMOLITION SECOND FLOOR PLAN - ELECTRICAL
E-101	SECOND FLOOR PLAN - ELECTRICAL

### PROJECT SUMMARY

THIS PROJECT IS INTENDED TO PROVIDE A TENANT IMPROVEMENT TO AN EXISTING WORKSPACE. AN EXISTING WALL IS TO BE REMOVED TO INCREASE THE QUANTITY OF WORKSTATIONS. THIS INCLUDES REVISIONS TO THE LIGHTING, POWER, AND TELECOM SERVICES TO THE AREA. ALSO INCLUDED IS A SMALL BREAK ROOM WITH COUNTERTOP AMMENITIES.

### 2NP-DP FEEDER CALCULATION

EXISTING ELECTRICAL LOAD IS CALCULATED BASED ON RECORD DRAWINGS. NEW LOADS ARE CALCULATED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE NEC.

SYSTEM PARAMETERS			
VOLTAGE:	208	VOLTS	
PHASE:	3	PHASE	
CAPACITY (AMPS):	400	AMPS	

EXISTING LOAD			
PEAK DEMAND KW:	97.8	KW (RECORD DRAWINGS DATED 02/08/2022)	
POWER FACTOR:	0.95	(ESTIMATED)	
PEAK DEMAND KVA:	102.9	KVA	
NEC KVA:	128.7	NEC KVA (125% PEAK KVA PER 220.87(2))	

ITEMIZED DEMOLISHED LOADS				
	QUAN	VA PER UNIT	N.E.C. FACTOR	KVA LOAD
DEMOLISHED LINEAR LIGHTING	4	30.0	1.00	0.1
DEMOLISHED RECEPTACLE:	8	180.0	1.00	1.4
TOTAL DEMOLISHED LOAD:				2.6

ITEMIZED NEW LOADS				
	QUAN	VA PER UNIT	N.E.C. FACTOR	KVA LOAD
NEW UNDERCABINET FIXTURE:	3	12.0	1.00	0.0
NEW 2x2' FIXTURE:	2	35.0	1.00	0.1
NEW 2x4' FIXTURE:	4	41.0	1.00	0.2
NEW MICROWAVE	1	100.0	1.00	0.1
NEW COPIER	1	800.0	1.00	0.8
NEW REFRIGERATOR	1	800.0	1.00	0.8
NEW COFFEE MACHINE	1	800.0	1.00	0.8
NEW INSTAHOT	1	500.0	1.00	0.5
NEW RECEPTACLE:	15	180.0	1.00	2.7
TOTAL NEW LOAD:				6.0

CALCULATED TOTAL LOAD			
EXISTING LOAD:	128.7	KVA	
TOTAL DEMOLISHED LOAD:	-2.6	KVA	
TOTAL NEW LOAD:	6.0	KVA	
TOTAL LOAD:	132.1	KVA	
TOTAL LOAD AMPS:	367	AMPS	

SYSTEM SPARE CAPACITY			
SYSTEM CAPACITY:	400	AMPS	
CALCULATED TOTAL LOAD:	367	AMPS	
SPARE CAPACITY:	8.3%		

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Sheet Contents

ELECTRICAL LEGEND AND ABBREVIATIONS

Sheet No.  
**E-001**

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2NPB													
LOCATION: ELEC 214 FED FROM: 2NP-DP MOUNTING: SURFACE				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C RATING: EXISTING MAINS TYPE: MLO RATING: 225 A					
CKT #	CIRCUIT DESCRIPTION	AMP	POLE	A	B	C	POLE	AMP	CIRCUIT DESCRIPTION	CKT #			
1	REC - KIOSK 271	20	1	540	720			1	20	REC - OFFICE 263	2		
3	REC - KIOSK 261	20	1		720	720		1	20	REC - PAN 234	4		
5	REC - PAN 234 SCANNER #1	20	1			180	90	2	20	REC - PAN 234 SCANNER #2	6		
7	REC - HYDRATION 254 #1	20	1	720	90			--	--		8		
9	REC - HYDRATION 254 #2	20	1		360	180		1	20	REC - HYDRATION 254 BOTTLE FILLER	10		
11	REC - DROP RM 255 #1	20	1			720	540	1	20	REC - DROP RM 255 #2	12		
13	REC - STERILE SUPPLY 252 #1	20	1	540	180			1	20	REC - STERILE SUPPLY 252 UC FRIDGE	14		
15	REC - STERILE SUPPLY 252 #2	20	1		720	540		1	20	REC - STERILE SUPPLY 252 #3	16		
17	REC - STERILE/HYGIENE SUPPLY 251,252	20	1			540	540	1	20	REC - HYGIENE SUPPLY 251 #1	18		
19	REC - HYGIENE SUPPLY 251 #2	20	1	540	720			1	20	REC - KIOSK 267 #1	20		
21	REC - KIOSK 267	20	1		540	540		1	20	REC - LAB 226	22		
23	REC - LAB 226 THERMAL FORMER, PLASTER...	20	1			370	540	1	20	REC - LAB HOT KNIFE, VIBRATOR, HAND PIECE	24		
25	REC - LAB 226 PLASTER MIXER, TRIMMER, DUS...	20	1	540	540			1	20	REC - LAB 226 MIXING UNIT, SAND BLAST CAB	26		
27	REC - LAB 226 COUNTER #1	20	1		360	180		1	20	REC - LAB 226 UC FRIDGE	28		
29	REC - LAB 226 DUST COLLECTORS #1	20	1			360	180	1	20	REC - LAB 226 LATHE #1	30		
31	REC - CONFERENCE 257 TV	20	1	180	180			1	20	REC - LAB 226 LAB BENCH #1	32		
33	REC - CONFERENCE 257	20	1		540	180		1	20	REC - OFFICE 227	34		
35	REC - RECEPTION 203	20	1			540	180	1	20	REC - LAB 226 LAB BENCH #2	36		
37	REC - LAB 226 HOT KNIFE, VIBRATOR	20	1	360	540			1	20	REC - LAB PLASTER MIXER, GRINDER, HAND...	38		
39	REC - LAB 226 DUST VACUUM	20	1		180	540		1	20	REC - LAB 226 COUNTERTOP #2	40		
41	REC - OFFICE 204 PRINTER	20	1			180	360	1	20	REC - LAB 226 LATHE #2	42		
43	REC - LAB 226 DUST COLLECTORS	20	1	360	250			1	20	REC - HYDRATION 254 - COFFEE	44		
45	REC - HYDRATION 254 - INSTAHOT	20	1		750	540		1	20	REC - MANAGER OFFICE 231 #3	46		
47	REC - MANAGER OFFICE 231 #2	20	1			360	360	1	20	REC - OFFICE 231 PRINTER	48		
49	REC - TALK 235	20	1	540	<b>1000</b>			<b>1</b>	<b>20</b>	<b>REC - OPEN OFFICE 231 FURNITURE</b>	<b>50</b>		
51	REC - MANAGER OFFICE 231 #1	20	1		360	<b>1000</b>		<b>1</b>	<b>20</b>	<b>REC - OPEN OFFICE 231 FURNITURE</b>	<b>52</b>		
53	REC - OFFICE 229, MANAGER'S OFFICE 231	20	1			900	<b>1000</b>	<b>1</b>	<b>20</b>	<b>REC - OPEN OFFICE 231 FURNITURE</b>	<b>54</b>		

TOTAL LOAD	PHASE A	PHASE B	PHASE C
	8.5 kVA	9.0 kVA	7.9 kVA
<b>TOTAL AMPS</b>	<b>72 A</b>	<b>75 A</b>	<b>66 A</b>

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS
PWR -	2520 VA	100.00%	2520 VA	<b>TOTAL CONNECTED LOAD:</b> 25.4 kVA <b>TOTAL NEC LOAD:</b> 19.3 kVA <b>TOTAL CONNECTED AMPS:</b> 71 A <b>TOTAL NEC AMPS:</b> 54 A
REC (OTHER) -	720 VA	100.00%	720 VA	
REC -	22190 VA	72.53%	16095 VA	

NOTES:  
1. REVISED LOADS IN BOLD. EXISTING PANEL. LOADS AND CIRCUIT BREAKERS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
A2	CREE FLX24-50L-9ACK-ARC-SC1-UNV 2'X4' TROFFER 90+ CCT, SMARTCAST WIRELESS NETWORK, TUNABLE 3000K-6500K, 100-277V	3000°K - 6500°K	5000	41	RECESSED CEILING
A2,EL	CREE FLX24-50L-9ACK-ARC-SC1-UNV-EB 2'X4' TROFFER 90+ CCT, SMARTCAST WIRELESS NETWORK, TUNABLE 3000K-6500K, 100-277V W/ 10W BATTERY BACKUP	3000°K - 6500°K	5000 EMERG = 1200	41	RECESSED CEILING (NOTE 2)
B2	CREE FLX22-935-ARC-SC1-UNV 2'X2' LED TROFFER, FLX ARC, 90 CRI, SMARTCAST WIRELESS TECHNOLOGY, INTEGRAL MOTION AND AMBIENT SENSORS, UNIVERSALS VOLTAGE	3500K	4000	35	RECESSED CEILING
J	NEWSTAR MUS2-HA-L135-A-UN-DM 2-FT UNDERCABINET FIXTURE, 3500K, 120-277V, WHITE ANTIMICROBIAL FINISH, 0-10V DIMMING	3500°K	1250	12	SURFACE UNDERCABINET

**LIGHTING FIXTURE SCHEDULE NOTES**  
1. REFER TO SPECIFICATION SECTION 26 50 00 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHTING FIXTURES, LED LAMPS AND DRIVERS.  
2. PROVIDE AN EMERGENCY CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES. WIRING FOR FIXTURES CONNECTED TO EMERGENCY CIRCUITS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 700.

2NPA													
LOCATION: ELEC 214 FED FROM: 2NP-DP MOUNTING: SURFACE				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C RATING: EXISTING MAINS TYPE: MLO RATING: 225 A					
CKT #	CIRCUIT DESCRIPTION	AMP	POLE	A	B	C	POLE	AMP	CIRCUIT DESCRIPTION	CKT #			
1	REC - ELEC 214	20	1	360	188			1	20	LTG - WAITING 202 PENDANT LIGHTS	2		
3	REC - WAITING 202 #1	20	1		900	180		1	20	REC - WAITING 202 TV	4		
5	REC - WAITING 202 #2	20	1			1080	720	1	20	REC - RM 272, 202, 238	6		
7	REC - RM 222, 205A, 222A	20	1	720	360			1	20	REC - TOILET 217, 240	8		
9	REC - SUPERVISOR 206, RECEPTION 203	20	1		900	900		1	20	REC - RECEPTION 203, OFFICE 204	10		
11	REC - CBCT 236	20	1			720	180	1	20	REC - CBCT 236 SCANNER #1	12		
13	REC - CBCT 236 SCANNER #2	20	2	90	540			1	20	REC - WORK 221	14		
15	--	--	--		90	1080		1	20	REC - OPEN OFFICE 216 #1	16		
17	REC - HSKPG 252	20	1			180	1080	1	20	REC - OPEN OFFICE 216 #2	18		
19	REC - OPEN OFFICE 216 #3	20	1	720	900			1	20	REC - WORK AREA 216A, OPEN OFFICE 216	20		
21	REC - WORK AREA 216A	20	1		540	360		1	20	REC - ROOM 201T2, 201T1	22		
23	REC - TOILET 228, 260	20	1			540	900	1	20	REC - HALL 222, 238, 262, 250	24		
25	REC - TALK 227	20	1	360	<b>0</b>			1	20	<b>SPARE</b>	26		
27	REC - WORK AREA 216A PRINTER	20	1		180	1000		1	20	PWR - ELEC 214	28		
29	ADA DOOR 201T1, 201T2	20	1			480	104	2	15	MOTOR - ELEC 214 (WU-6), COMM 215 (WU-5)	30		
31	<b>SPARE</b>	20	1	<b>0</b>	104			--	--	--	32		
33	<b>SPARE</b>	20	1		<b>0</b>	1260		1	20	REC - TREATMENT 211 #1	34		
35	REC - KIOSK 223	20	1			720	1080	1	20	REC - TREATMENT 211 #2	36		
37	<b>SPARE</b>	20	1	<b>0</b>	1080			1	20	REC - TREATMENT 212 #1	38		
39	REC - KIOSK 223 DIGITAL SCANNER	20	1			324	1260	1	20	REC - TREATMENT 212 #2	40		
41	REC - MED 223A MED	20	1			360	1080	1	20	REC - TREATMENT 213 #1	42		
43	REC - MED 223A	20	1	540	1260			1	20	REC - TREATMENT 213 #2	44		
45	PWR - HALL 274 DIGITAL SCANNERS	20	1		360	1260		1	20	REC - TREATMENT 214 #1	46		
47	REC - HALL 274 PC'S	20	1			720	1080	1	20	REC - TREATMENT 214 #2	48		
49	REC - HALL 274 PRINTER	20	1	180	1260			1	20	REC - TREATMENT 215 #1	50		
51	REC - HALL 250 WORK SPACE	20	1		1080	1080		1	20	REC - TREATMENT 215 #2	52		
53	SPARE	20	1			0	0	1	20	SPARE	54		

TOTAL LOAD	PHASE A	PHASE B	PHASE C
	8.7 kVA	12.8 kVA	11.0 kVA
<b>TOTAL AMPS</b>	<b>72 A</b>	<b>109 A</b>	<b>95 A</b>

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS
LTG -	188 VA	125.00%	234 VA	<b>TOTAL CONNECTED LOAD:</b> 32.4 kVA <b>TOTAL NEC LOAD:</b> 26.2 kVA <b>TOTAL CONNECTED AMPS:</b> 90 A <b>TOTAL NEC AMPS:</b> 73 A
MOTOR -	208 VA	112.50%	234 VA	
Other	1800 VA	100.00%	1800 VA	
PWR -	7240 VA	100.00%	7240 VA	
REC (OTHER) -	360 VA	100.00%	360 VA	
REC -	22644 VA	72.08%	16322 VA	

NOTES:  
1. REVISED LOADS IN BOLD. EXISTING PANEL. LOADS AND CIRCUIT BREAKERS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

2NPB													
LOCATION: ELEC 219 FED FROM: 2NP-DP MOUNTING: SURFACE				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C RATING: EXISTING MAINS TYPE: MLO RATING: 225 A					
CKT #	CIRCUIT DESCRIPTION	AMP	POLE	A	B	C	POLE	AMP	CIRCUIT DESCRIPTION	CKT #			
1	PWR - X-RAY TREATMENT 270	15	1	600	600			1	15	PWR - X-RAY TREATMENT 269	2		
3	PWR - X-RAY TREATMENT 268	15	1		600	600		1	15	PWR - X-RAY TREATMENT 266	4		
5	PWR - X-RAY TREATMENT 265	15	1			600	600	1	15	PWR - X-RAY TREATMENT 264	6		
7	PWR - X-RAY TREATMENT 244	15	1	600	600			1	15	PWR - X-RAY TREATMENT 247	8		
9	PWR - X-RAY TREATMENT 241	15	1		600	600		1	15	PWR - X-RAY TREATMENT 242	10		
11	PWR - X-RAY TREATMENT 243	15	1			600	600	1	15	PWR - X-RAY TREATMENT 239	12		
13	PWR - X-RAY TREATMENT 246	15	1	600	600			1	15	PWR - X-RAY TREATMENT 245	14		
15	PWR - X-RAY TREATMENT 248	15	1		600	600		1	15	PWR - X-RAY TREATMENT 249	16		
17	PWR - X-RAY TREATMENT 233	15	1			600	600	1	15	PWR - X-RAY TREATMENT 224	18		
19	PWR - X-RAY TREATMENT 218	15	1	600	600			1	15	PWR - X-RAY TREATMENT 207	20		
21	PWR - X-RAY TREATMENT 208	15	1		600	600		1	15	PWR - X-RAY TREATMENT 209	22		
23	PWR - X-RAY TREATMENT 210	15	1			600	600	1	15	PWR - X-RAY TREATMENT 211	24		
25	PWR - X-RAY TREATMENT 212	15	1	600	600			1	15	PWR - X-RAY TREATMENT 213	26		
27	PWR - X-RAY TREATMENT 214	15	1		600	600		1	15	PWR - X-RAY TREATMENT 215	28		
29	<b>REC - BREAK 230 - ICE MACHINE</b>	20	1			<b>600</b>	<b>900</b>	1	20	<b>REC - OPEN OFFICE 231 - SOUTH</b>	<b>30</b>		
31	<b>REC - BREAK 230 - INSTAHOT</b>	20	1	<b>500</b>	<b>600</b>			1	20	<b>REC - OPEN OFFICE 231 - SHREDDER</b>	<b>32</b>		
33	<b>REC - BREAK 230 - COFFEE</b>	20	1		<b>800</b>	<b>800</b>		1	20	<b>REC - OPEN OFFICE 231 - COPPIER</b>	<b>34</b>		
35	<b>REC - BREAK 230 - MICROWAVE</b>	20	1				<b>1100</b>	<b>0</b>	1	20	<b>SPARE</b>	<b>36</b>	
37	<b>REC - BREAK 230 - REFRIGERATOR</b>	20	1	<b>800</b>	--			1	--	SPACE	38		
39	<b>REC - BREAK 230</b>	20	1		<b>360</b>	--		1	--	SPACE	40		
41	SPACE	--	1			--	--	1	--	SPACE	42		

TOTAL LOAD	PHASE A	PHASE B	PHASE C
	7.9 kVA	8.0 kVA	7.4 kVA
<b>TOTAL AMPS</b>	<b>66 A</b>	<b>67 A</b>	<b>62 A</b>

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS	PANEL TOTALS
PWR -	16800 VA	100.00%	16800 VA	<b>TOTAL CONNECTED LOAD:</b> 23.3 kVA <b>TOTAL NEC LOAD:</b> 23.3 kVA <b>TOTAL CONNECTED AMPS:</b> 65 A <b>TOTAL NEC AMPS:</b> 65 A
REC -	6460 VA	100.00%	6460 VA	

NOTES:  
1. REVISED LOADS IN BOLD. EXISTING PANEL. LOADS AND CIRCUIT BREAKERS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

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SOUTHCENTRAL FOUNDATION

**SLT ICT RENOVATION**

4441 DIPLOMACY DR.

Revisions		
No.	Description	Date

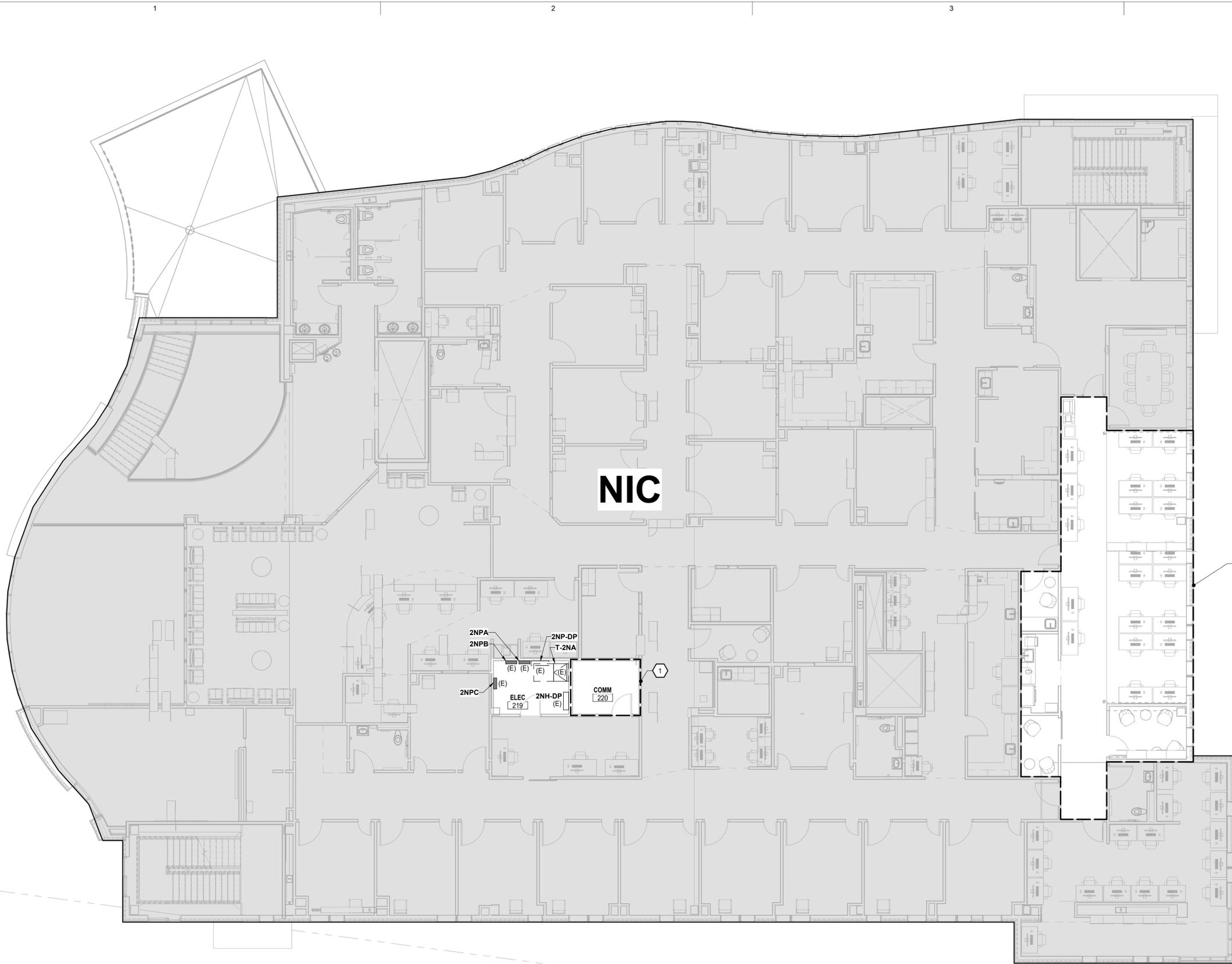
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Sheet Contents ELECTRICAL SCHEDULES
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Sheet No.  
**E-002**

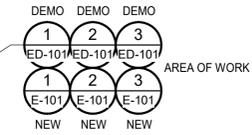
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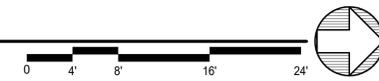


**SHEET NOTES**

- EXISTING TELECOM ROOM 220. ROUTE TELECOM CABLING SERVING AREA OF WORK BACK TO THIS ROOM. PROVIDE PATCH PANEL(S) AS REQUIRED TO TERMINATE TELECOM CABLING FROM AREA OF WORK.



**1 SECOND FLOOR PLAN - OVERALL**  
E-100 Scale: 1/8" = 1'-0"



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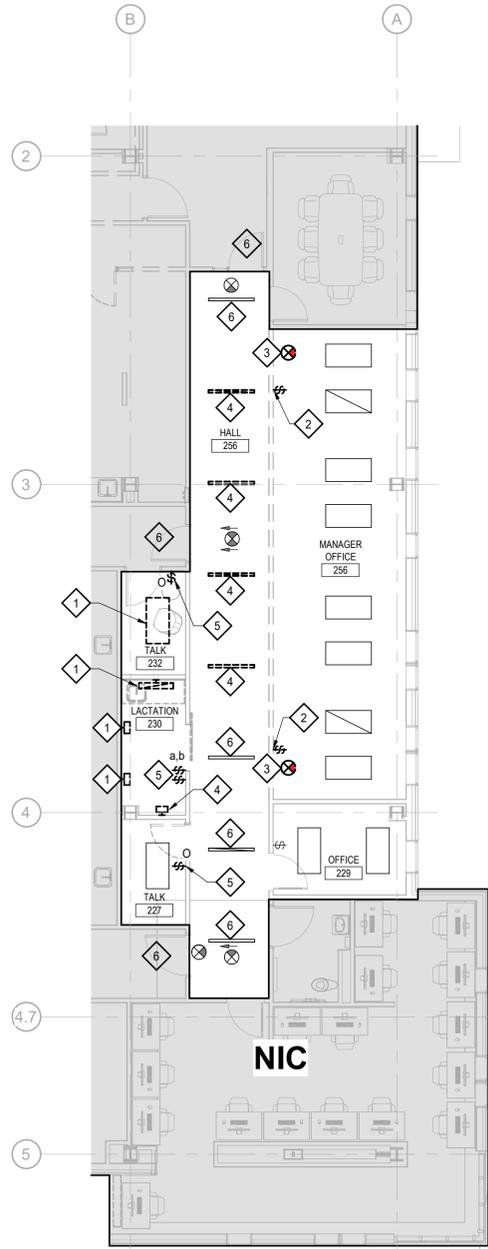
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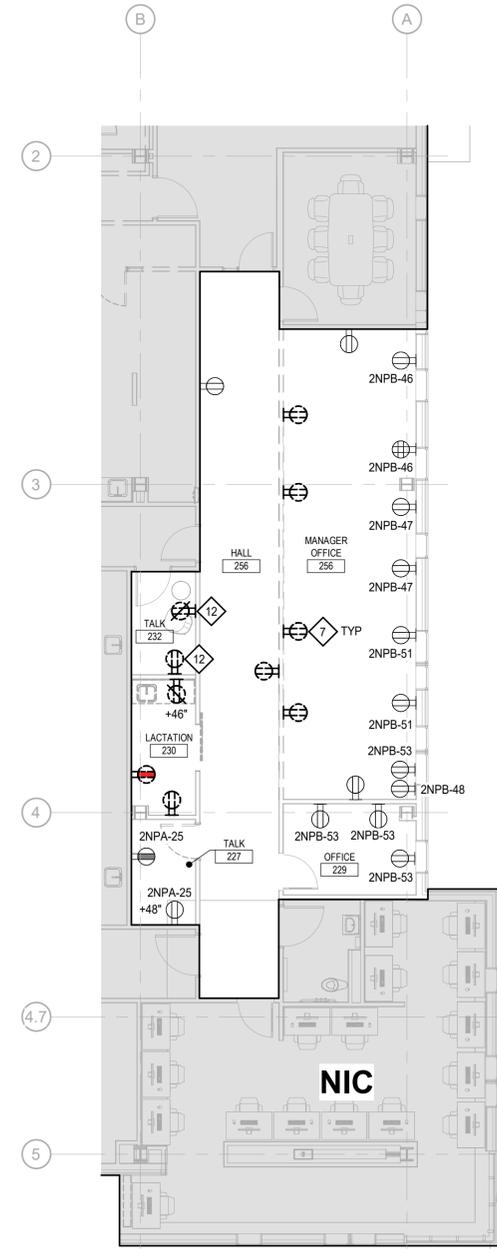
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SECOND FLOOR PLAN - OVERALL

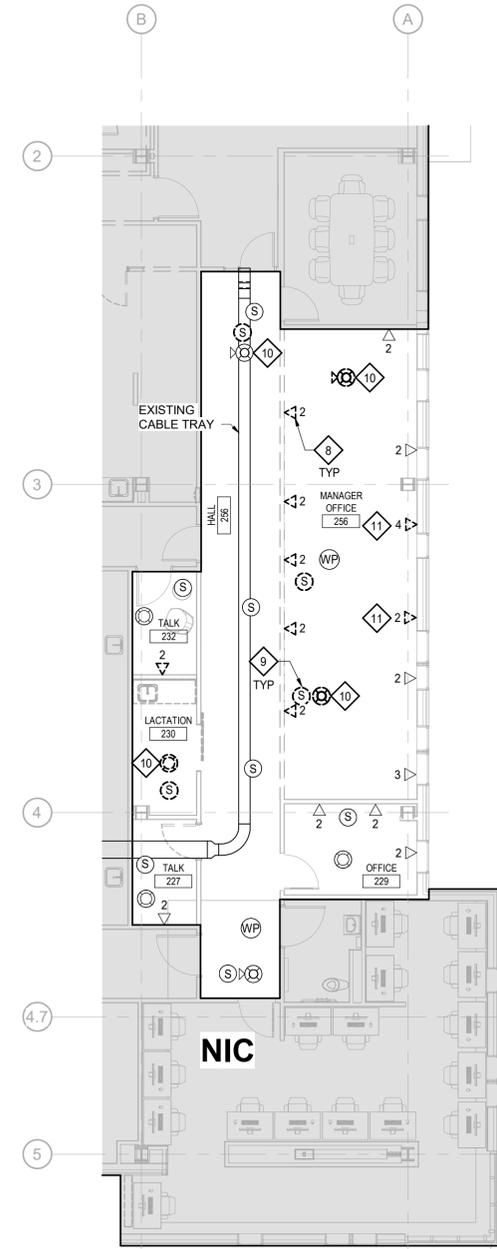
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**E-100**



**1 DEMOLITION SECOND FLOOR PLAN - LIGHTING**  
 ED-101 Scale: 1/8" = 1'-0"  
 0 4' 8' 16' 24'



**2 DEMOLITION SECOND FLOOR PLAN - POWER**  
 ED-101 Scale: 1/8" = 1'-0"  
 0 4' 8' 16' 24'



**3 DEMOLITION SECOND FLOOR PLAN - SPECIAL SYSTEMS**  
 ED-101 Scale: 1/8" = 1'-0"  
 0 4' 8' 16' 24'

**GENERAL NOTES**

1. DEVICES ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.

**DEMOLITION NOTES**

1. DISCONNECT AND REMOVE LIGHT FIXTURE. RELOCATE IN ACCORDANCE WITH E-101. RESERVE CIRCUIT FOR REUSE IN ACCORDANCE WITH SHEET E-101. FIXTURES NOT RELOCATED SHALL BE TURNED OVER TO OWNER.
2. DISCONNECT AND REMOVE LIGHTING CONTROL SWITCH(ES). DEMOLISH JUNCTION BOX, CONDUIT, AND CONDUCTORS BACK TO LAST DEVICE EXISTING TO REMAIN AND MAKE SAFE. TURN OVER CONTROL SWITCH(ES) TO OWNER.
3. DISCONNECT AND REMOVE EXIT SIGN AND TURN OVER TO OWNER. DEMOLISH CONDUCTORS AND CONDUIT TO LAST EXISTING DEVICE OR OVERCURRENT PROTECTIVE DEVICE AND MAKE SAFE.
4. DISCONNECT AND REMOVE LIGHTING FIXTURE AND TURN OVER TO OWNER. DEMOLISH CONNECTION TO EXISTING CIRCUIT INCLUDING CONDUIT AND CONDUCTORS BACK TO JUNCTION BOX. DISCONNECT AND REMOVE LIGHTING CONTROL SWITCH(ES). RELOCATE IN ACCORDANCE WITH SHEET E-101.
5. DISCONNECT LIGHTING FIXTURE FROM EXISTING CIRCUIT AND DEMOLISH CONNECTION INCLUDING CONDUIT AND CONDUCTORS BACK TO JUNCTION BOX. PROVIDE CONDUIT AND CONDUCTORS AS NECESSARY TO MAINTAIN EXISTING BRANCH CIRCUIT SUCH THAT THE INTEGRITY OF CIRCUIT IS MAINTAINED FOR POWER AND CONTROL IN AREAS OUT OF SCOPE OF THIS PROJECT ARE NOT IMPACTED.
7. DISCONNECT EXISTING WIRING DEVICE INCLUDING CONDUIT AND CONDUCTORS BACK TO LAST DEVICE EXISTING TO REMAIN AND MAKE SAFE. TURN OVER WIRING DEVICE TO OWNER.
8. DEMOLISH EXISTING TELECOM DEVICE INCLUDING CONDUIT AND CABLING BACK TO PATCH PANEL AND MARK SPARE.
9. DISCONNECT EXISTING SPEAKER AND RESERVE FOR RELOCATION IN ACCORDANCE WITH SHEET E-101.
10. DISCONNECT EXISTING FIRE ALARM DEVICE AND RESERVE FOR RELOCATION IN ACCORDANCE WITH SHEET E-101.
11. DEMOLISH TELECOM DEVICE INCLUDING CABLING BACK TO PATCH PANEL AND MARK SPARE. PROVIDE BLANK COVER PLATE.
12. DISCONNECT AND REMOVE WIRING DEVICE AND RESERVE CIRCUIT FOR REUSE IN ACCORDANCE WITH SHEET 2/E-101.

AEC561

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Sheet Contents DEMOLITION SECOND FLOOR PLAN - ELECTRICAL
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Sheet No.  
**ED-101**



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### GENERAL NOTES

1. FIELD VERIFY LOCATIONS OF EXISTING RECEPTACLES. ADJUST LOCATIONS AS NECESSARY TO MINIMIZE FURNITURE FEED CONNECTIONS.

### SHEET NOTES

1. REINSTALL LIGHTING FIXTURE AT LOCATION INDICATED. EXTEND EXISTING BRANCH CIRCUIT RESERVED FROM DEMOLITION PHASE AND CONNECT TO FIXTURE.
2. REINSTALL LIGHTING CONTROL DEVICE AT LOCATION INDICATED AND CONNECT TO CONTROL CIRCUIT RESERVED DURING DEMOLITION PHASE.
3. PROVIDE GFCI CIRCUIT BREAKER IN PANELBOARD FOR READILY ACCESSIBLY LOCATION IN ACCORDANCE WITH THE NEC. PROVIDE LABEL ABOVE RECEPTACLE, "GFCI PROTECTED".
4. PROVIDE TAMPER RESISTANT RECEPTACLES IN THIS SPACE.
5. PROVIDE GFCI DUPLEX RECEPTACLE WITH 2 USB PORTS. LEVITON SMARTLOCK PRO GUAC2-W OR APPROVED EQUAL.
6. REINSTALL FIRE ALARM DEVICE RETAINED DURING DEMOLITION PHASE AT APPROXIMATE LOCATION.
7. REINSTALL SPEAKER RETAINED DURING DEMOLITION PHASE AT APPROXIMATE LOCATION.
8. PROVIDE LEGRAND CONNECTRAC FLEX FX RACEWAY SYSTEM WITH RECEPTACLE AND DATA DEVICES LOCATED AS SHOWN. PROVIDE SEPARATE JUNCTION BOXES FOR POWER AND DATA. MAINTAIN SEPARATION BETWEEN POWER AND DATA CABLING. PROVIDE SHOP DRAWINGS FOR APPROVAL.
9. PROVIDE LIGHTING FIXTURE AND CONNECT TO EXISTING CIRCUIT SERVING MANAGERS OFFICE 256.
10. CONNECT WIRING DEVICE TO CIRCUIT RESERVED DURING DEMOLITION PHASE.
11. EXTEND EXISTING POWER AND CONTROLS CIRCUIT SERVING MANAGERS OFFICE 256 TO LIGHTING FIXTURES INDICATED AND TO NEW LIGHTING CONTROLS DEVICES INDICATED.

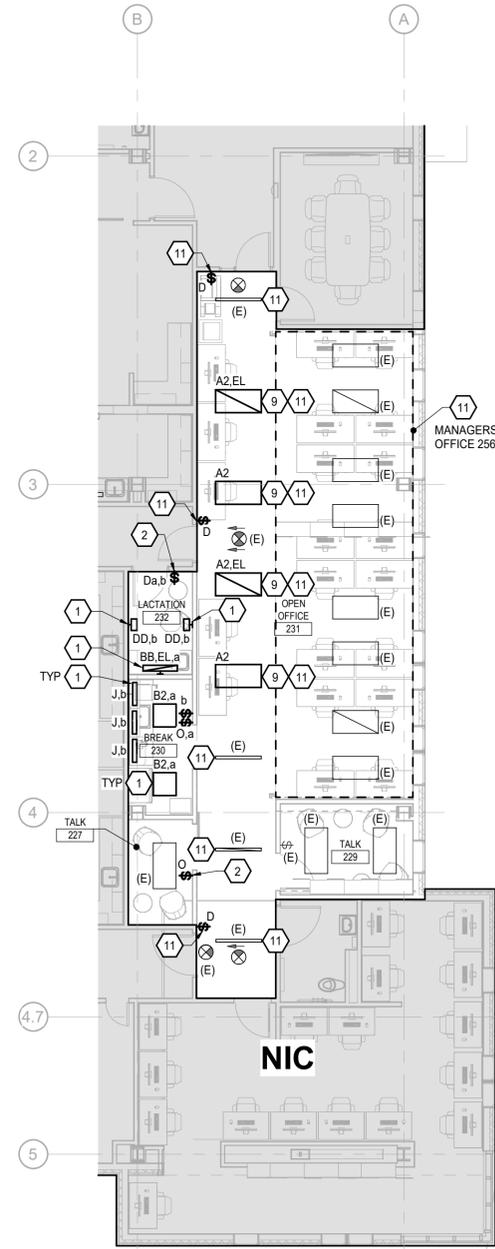
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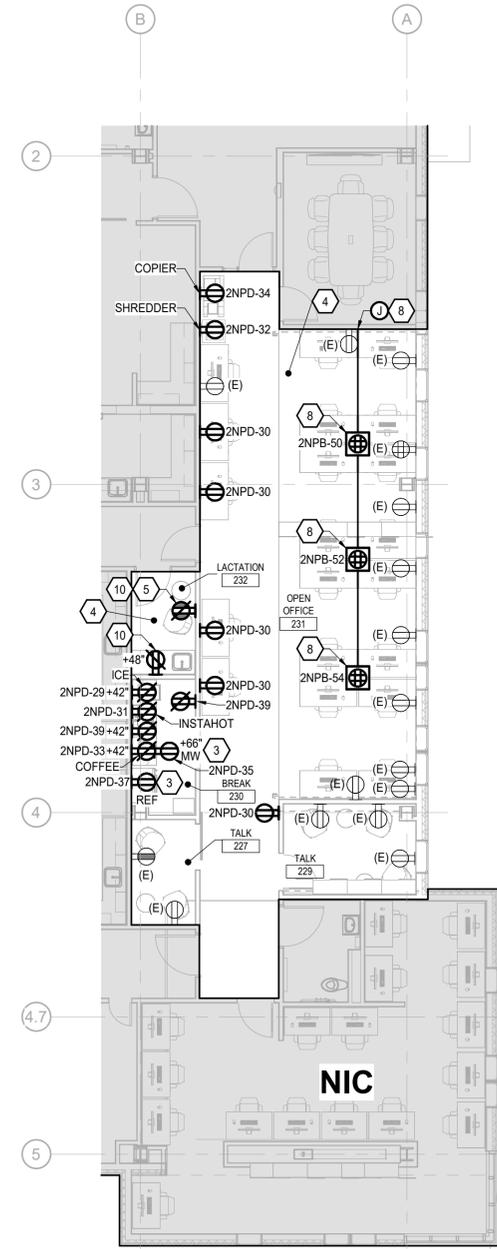
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Sheet Contents  
SECOND FLOOR PLAN -  
ELECTRICAL

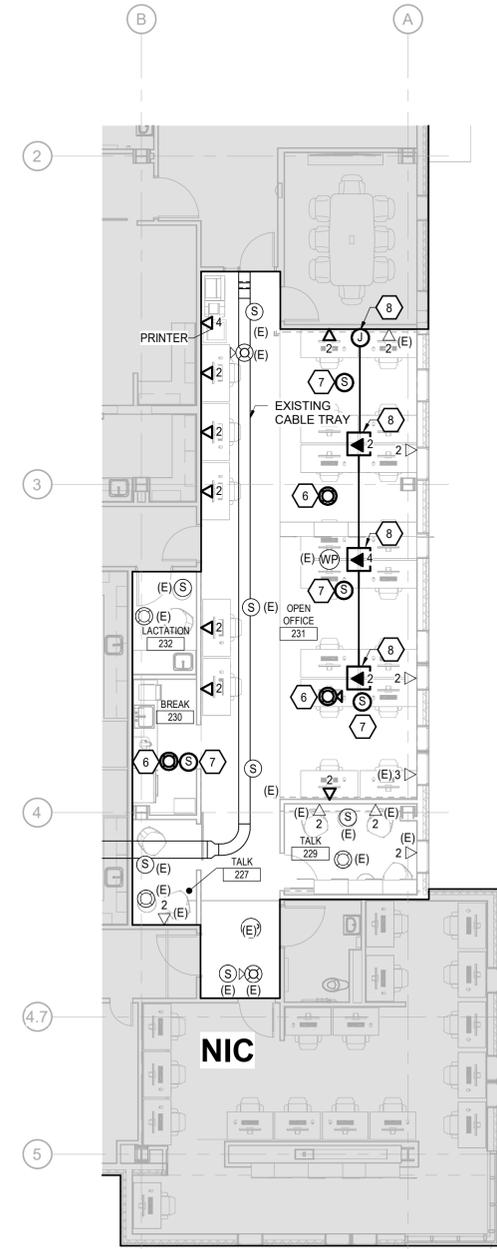
Sheet No.  
**E-101**



**1 SECOND FLOOR PLAN - LIGHTING**  
E-101 Scale: 1/8" = 1'-0"  
0 4' 8' 16' 24'



**2 SECOND FLOOR PLAN - POWER**  
E-101 Scale: 1/8" = 1'-0"  
0 4' 8' 16' 24'



**3 SECOND FLOOR PLAN - SPECIAL SYSTEMS**  
E-101 Scale: 1/8" = 1'-0"  
0 4' 8' 16' 24'