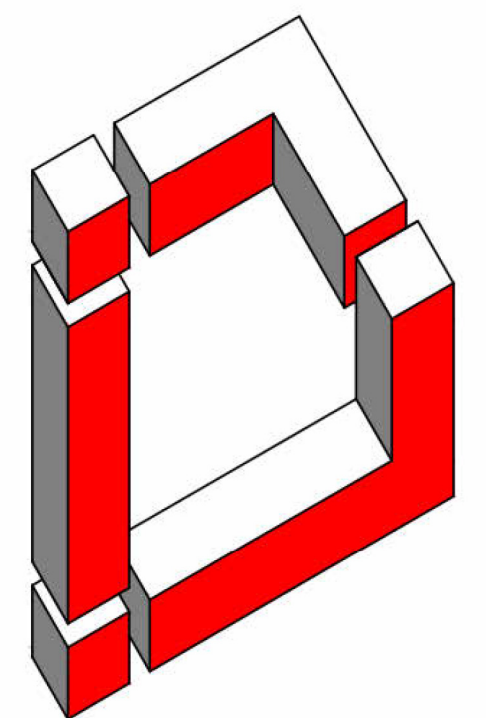


Beauty Loft

818 SW Blue Pkwy, Lee Summit, MO

Permit Drawings - Tenant Improvement

02.07.2024



DEZINES INC

DESIGNER

DEZINES INC.
6240 W 135TH ST STE 202,
OVERLAND PARK, KS 66223
PHONE: (913) 963-3892

ARCHITECT




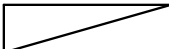

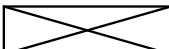
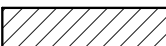
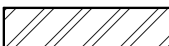





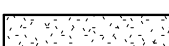


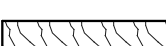

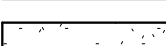
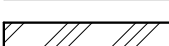
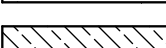
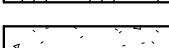



IDIZ INC
TODD WETHERILT, AIA, LEED AP
PHONE: (913) 620-4543

MEP ENGINEER

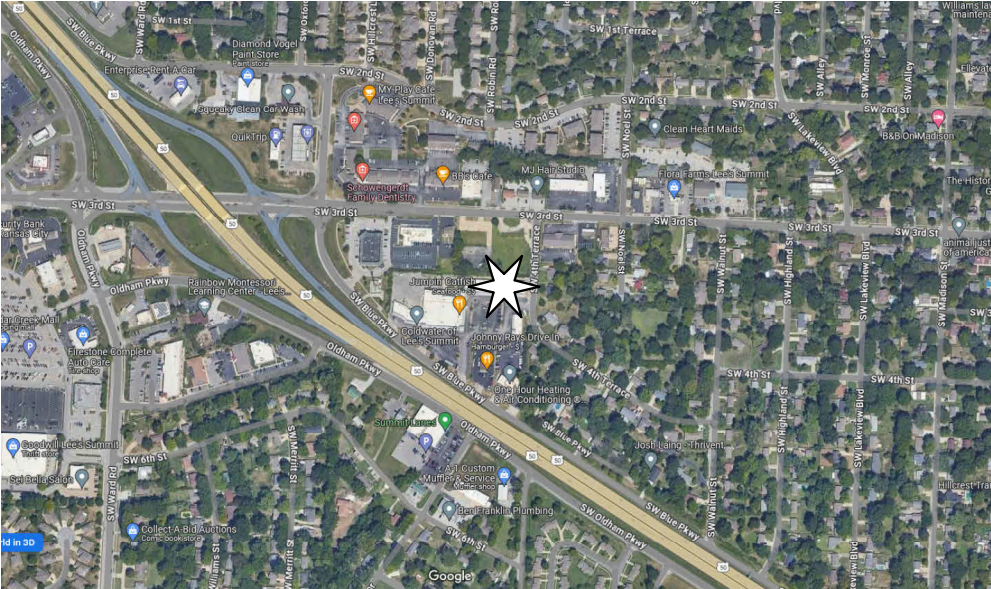
AECONSORT
GREG P. GLADFELTER, PE
PHONE: (816) 916-5675

LEGEND OF MATERIALS

NOTE: NOT ALL MATERIALS SHOWN MAY BE USED ON THIS PROJECT

	UNDISTURBED EARTH		PLYWOOD
	EARTH COMPACTED		ROUGH WOOD BLOCKING (INTERRUPTED)
	CONCRETE		ROUGH WOOD BLOCKING (CONTINUOUS)
	FACE BRICK		METAL (LARGE SCALE)
	LIGHT-WEIGHT CONCRETE BLOCK		METAL (SMALL SCALE)
	BURNISHED CONCRETE BLOCK		FINISH WOOD
	SIMULATED STONE CONCRETE BLOCK		GYPSUM BOARD
	STONE PRE-CAST		PLASTER ON METAL LATH (LARGE SCALE)
	MARBLE OR GRANITE		TERRAZZO
	SAND PLASTER or CEMENT FINISH		ALUMINUM (LARGE SCALE)
	STONE		CEMENT OR MORTAR BOARD
	ACOUSTICAL TILE		BATT INSULATION or LOOSE FILL
			RIGID INSULATION

AREA MAP



SITE LOCATION MAP

LIST OF ABBREVIATIONS

AB	ANCHOR BOLT	F/F	FACE TO FACE	R	RISER
A/C	AIR CONDITIONER	FD	FLOOR DRAIN	RAD	RADIUS
ADDNL	ADDITIONAL	FDN	FOUNDATION	RAFF	RESILIENT FLUID APPLIED FLOORING
ADJ	ADJUSTABLE	FEC	FIRE EXTINGUISHER CABINET	RAFS	RESILIENT ROLLED RUBBER FLOORING
ADH	ADHESIVE	FFE	FINISHED FLOOR ELEVATION	RAFT	RESILIENT ATHLETIC FLOORING TILE
AFF	ABOVE FINISHED FLOOR	FG	FIBERGLASS	RAFV	RESILIENT ATHLETIC FLOORING VINYL
AFG	ABOVE FINISHED GRADE	FHC	FIRE HOSE CABINET	RD	ROOF DRAIN
AHU	AIR HANDLING UNIT	FIN	FINISHED	REF	REFERENCE
ALT	ALTERNATE	FIN FLR	FINISHED FLOOR	REINF	REINFORCING
ALUM	ALUMINUM	FLG	FLANGE	REM	REMAINDER
AP	ACOUSTICAL PANELS	FLR	FLOOR	RES	RESINOUS FLOORING
APPROX	APPROXIMATE	FS	FAR SIDE	REQD	REQUIRED
ARCH	ARCHITECTURAL	FSAP	FIXED SOUND ABSORPTIVE PNLS	RF	RIGID FRAME
		FTG	FOOTING	RO	ROUGH OPENING
		FV	FIELD VERIFY	RTU	ROOFTOP UNIT
B	BEYOND				
B/B	BACK TO BACK	GA	GAGE OR GAUGE	SB	SPLASH BLOCK
BL	BUILDING LINE	GALV	GALVANIZED	SCHED	SCHEDULE
BLDG	BUILDING	GB	GRAB BAR	SEC	SECURITY
BLKG	BLOCKING	GEN	GENERAL	SECT	SECTION
BM	BEAM	GMU	GLAZED MASONRY UNIT	SHT	SHEET
BOD	BOTTOM OF METAL DECK	GPL	PLASTER/GYPSUM PLASTER	SIM	SIMILAR
BOG	BOTTOM OF GUTTER	GR BM	GRADE BEAM	SJ	SAWN JOINT
BOM	BOTTOM OF MASONRY	GRF	GROUND FACE/BURNISHED CMU	SMO	SCHEDULED MASONRY OPENING
BOS	BOTTOM OF STEEL	GUT	GUTTER	SP	SPACE
BOT	BOTTOM	GYP	GYPSUM BOARD	SPEC	SPECIFICATIONS
BP	BASE, PORCELAIN TILE			SPF	SPLIT-FACE CONCRETE MASONRY UNIT
BQ	BASE, QUARRY TILE	HB	HOSE BIB	SPS	SOLID POLYMER SURFACE MATERIAL
BR	BASE, RUBBER	HC	HANDICAP	SS	STAINLESS STEEL
BRES	BASE, RESINOUS	HD BD	HARD BOARD	STD	STANDARD
BRG	BEARING	HDWD	HARD WOOD	STIFF	STIFFENER
BRK	BRICK	HFB	HOLLOW FACE BRICK	STIR	STIRRUPS
BRV	BASE, RUBBER VENTED	HM	HOLLOW METAL	STL	STEEL
BTC	BASE, CERAMIC TILE	HORIZ	HORIZONTAL	STN	STAIN
BTWN	BETWEEN	HP	HIGH POINT	STOR	STORAGE
BTZP	BASE, PRECAST TERRAZZO	HT	HEIGHT	STRUCT	STRUCTURE
BTZ	BASE, TERRAZZO	HVAC	HEATING, VENTILATION, & A/C	STU	STUCCO
BW	BOTH WAYS			SUPT	SUPPORT
		ICF	INSULATED CONCRETE FORMS	SVT	SOLID VINYL TILE
C	CHANNEL	ID	INSIDE DIAMETER	SYMM	SYMMETRICAL
C/C	CENTER TO CENTER	IF	INSIDE FACE		
CAB	CABINET	IND BD	INDUSTRIAL BOARD	T&B	TOP & BOTTOM
CAD	CADMIUM	INFO	INFORMATION	T&G	TONGUE & GROOVE
CI	CAST IRON	INSUL	INSULATION	TC	CERAMIC TILE
CJ	CONTROL JOINT	INT	INTERIOR	TH	THRESHOLD
CL	CENTERLINE			TLT	TOILET
CLG	CEILING	JT	JOINT	TMD	TOP OF METAL DECK
CLR	CLEAR	JST(S)	JOIST(S)	TOB	TOP OF BEAM
CMU	CONCRETE MASONRY UNIT			TOBB	TOP OF CMU BOND BEAM
CNTRD	CENTERED	L	ANGLE	TOBR	TOP OF BRICK
CN	CLEAN OUT	LAV	LAVATORY	TCC	TOP OF CURB
COL	COLUMN	LLH	LONG LEG HORIZONTAL	TCOP	TOP OF CONCRETE PANEL
CONC	CONCRETE	LVV	LONG LEG VERTICAL	TOF	TOP OF FOOTING
CON(S)	CONNECTION(S)	LONG	LONGITUDINAL	TOJ	TOP OF JOIST
CONT	CONTINUOUS	LRP	LOW POINT	TOM	TOP OF MASONRY
COORD	COORDINATE			TOP	TOP OF PIER
COP	POLISHED CONCRETE	MAS	MASONRY	TOPC	TOP OF PIER CAP
CORR	CORRIDOR	MATL	MATERIAL	TOS	TOP OF STEEL
COS	CONCRETE (SEALED)	MAX	MAXIMUM	TOSC	TOP OF STRUCTURAL CONCRETE
CPT	ROLLED CARPET	MDF	MEDIUM DENSITY FIBERCORE	TOSF	TOP OF METAL STUD FRAMING
CPTW	WALL CARPET	MECH	MECHANICAL	TOSS	TOP OF STRUCTURAL STEEL
CPY	CANOPY	MEZZ	MEZZANINE	TOT	TOP OF STEEL TRUSS
CS	CAST STONE	MFR	MANUFACTURER	TOW	TOP OF WALL
CSM	CONCRETE STONE MASONRY	MIN	MINIMUM	TOWD	TOP OF WOOD BLOCKING/ NAILER
CJ	CONDENSING UNIT	MISC	MISCELLANEOUS	TPC	PORCELAIN TILE
CUST	CUSTODIAN	MO	MASONRY OPENING	TO	QUARRY TILE
CT	CARPET TILE	MP	METAL WALL PANELS	TRAN	TRANSVERSE
		MS	MOD SINK	TRIM	METAL FLASHINGS AND COPINGS
DBL	DOUBLE	MTL	METAL	TS	TUBE STEEL
DET	DETAIL			TYP	TYPICAL
DH	DOOR HARDWARE	NB	NO BASE	TZ	TERRAZZO
DIA	DIAMETER	NF	NO FINISH	TZE	TERRAZZO EPOXY
DIAG	DIAGONAL	NIC	NOT IN CONTRACT	TZT	TERRAZZO TILE
DIM	DIMENSION	NO	NUMBER		
DN	DOWN	NS	NATURAL STONE	U	URINAL
DS	DOWNSPOUT	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
DRWG	DRAWING				
DWR	DRAWER	OC	ON CENTER	VCT	VINYL COMPOSITION TILE
		OCEW	ON CENTERS EACH WAY	VERT	VERTICAL
EA	EACH	OD	OUTSIDE DIAMETER		
EB	EXPANSION BOLT	OF	OUTSIDE FACE	W/	WITH
EF	EACH FACE	OH	OPPOSITE HAND	W/O	WITHOUT
EJ	EXPANSION JOINT	OHD	OVERHEAD	WASH	WASHSTATION
EL	ELEVATION	OPP	OPPOSITE	WC	WATERCLOSET
ELEC'L	ELECTRICAL	OS	OVERFLOW SCUPPER	WD	WOOD
ELEV	ELEVATOR			WH	WATERHEATER
ENGR	ENGINEER	P/C	PRECAST CONCRETE	WMP	MAPLE WOOD ATHLETIC FLOORING
EPT	EPOXY PAINT	PB	PIPE BRACE	WMS	MASONITE WOOD BLOCKING
EQ	EQUAL (EQUALLY)	PEN	PENETRATION	WP	WORKPOINT
EW	EACH WAY	PERIM	PERIMETER	WS	WATERSTOP
EWIC	ELECTRIC WATER COOLER	PERP	PERPENDICULAR	WCT	WALK-OFF CARPET TILE
EXIST	EXISTING	PL	PLATE	WT	WEIGHT
EXP	EXPANSION	PLC	PLASTIC LAMINATE CASEWORK	WVC	WOOD VENEER CASEWORK
EXT	EXTERIOR	PLP	PLASTIC LAMINATE-FACED WOOD PANEL	WWF	WELDED WIRE MESH (FABRIC)
		PNT	PAINT		
		PPL	PLASTER (PORTLAND CEMENT)	XB	X-BRACING
		PROJ	PROJECTION		
		PT	POINT	>=	LARGER THAN OR EQUAL TO
		PW	PLYWOOD	<=	LESS THAN OR EQUAL TO
		QTZ	QUARTZ		

(NOT ALL ABBREVIATIONS USED IN THIS PROJECT)

INDEX OF SHEETS

G1 - SHEET INDEX	
A000	COVER SHEET
A001	GENERAL INFORMATION
A002	LIFE SAFETY PLAN & WALL TYPES
A01.01	DEMO FLOOR & CEILING PLANS
A1.01	FLOOR PLAN/RCP, FRAME TYPES, & DOOR SCHEDULE

MEP

P200	PLUMBING PLAN AND SCHEDULES
M200	MECHANICAL PLAN AND SCHEDULES
MPE300	MECHANICAL/PLUMBING/ELECTRICAL SCHEDULES AND DETAILS
E200	LIGHTING AND POWER PLANS

ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED.

BUILDING OCCUPANCY:	TYPE B	
BUILDING CONSTRUCTION CLASS:	EXISTING BUILDING - VB PROPOSED	
STORIES:	1	
TOTAL TENANT AREA:	1,180 S.F.	
BUILDING IS PROTECTED BY AUTOMATIC SPRINKLER SYSTEM:		NO
BUILDING IS PROTECTED BY AUTOMATIC FIRE ALARM SYSTEM (NFPA 70 AND NFPA 72):		NO

BUILDING CODE:	INTERNATIONAL BUILDING CODE	2018 EDITION
PLUMBING CODE:	INTERNATIONAL PLUMBING CODE	2018 EDITION
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE	2017 EDITION
FIRE CODE:	INTERNATIONAL FIRE CODE	2018 EDITION
GAS CODE:	INTERNATIONAL FUEL GAS CODE	2018 EDITION
ENERGY CODE:	INTERNATIONAL ENERGY CONSERVATION CODE	2018 EDITION
EXISTING BUILDING CODE:	INTERNATIONAL EXISTING BUILDING CODE	2018 EDITION
ACCESSIBILITY:	ICC/ANSI A117.1	2009 EDITION

FOR TYPE VB CONSTRUCTION:	
PRIMARY STRUCTURAL FRAME:	EXISTING
BEARING WALLS (EXTERIOR AND INTERIOR):	EXISTING
NONBEARING WALLS - EXTERIOR:	EXISTING
NONBEARING WALLS - INTERIOR:	EXISTING
FLOOR CONSTRUCTION:	EXISTING
ROOF CONSTRUCTION:	EXISTING

NAME	AREA	OCCUPANT LOAD	PER RM. CALCULATED OCC.
B BUSINESS	1,180 S.F	150 SF / OCC	8
TOTAL OCCUPANT LOAD			8

OTHER MEANS OF EGRESS: 0.2 INCH PER OCCUPANT = $(0.2) \times 14(\text{OCC}) = 2.8'$
ACTUAL EGRESS WIDTH PROVIDED FIRST FLOOR = 68' PROVIDED

EXITS REQUIRED: 1 TO 500 OCCUPANTS 2 EXITS REQUIRED

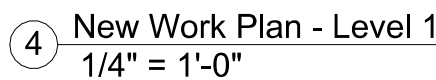
2 EXITS 14 OCCUPANTS

OCCUPANCY B MAX. DISTANCE ALLOWED:	200'-0"
MAX. TRAVEL DISTANCE PROVIDED:	45'-0"

OCCUPANCY TYPE BUSINESS:
1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER
TOTAL: 1 OCC. UNISEX RESTROOM PROVIDED

DRINKING FOUNTAINS:
PROVIDED: BOTTLED WATER

SERVICE SINK: PROVIDED 1
HAND SINK: PROVIDED 1



The diagram illustrates the symbols for Fire Extinguisher (FE) and Fire Extinguisher in Cabinet (FEC) used in fire alarm system plans. It includes the following labels and their corresponding symbols:

- ACTUAL TRAVEL DISTANCE**: Indicated by a line with an arrow pointing to the right, labeled "X-X".
 - DIRECTION OF TRAVEL**: Indicated by the arrow on the line labeled "X-X".
 - DIRECTION OF OCCUPANT FLOW THROUGH ELEMENT**: Indicated by a line with an arrow pointing to the left, labeled "XX".
 - NUMBER OF OCCUPANTS ADVANCING**: Indicated by the arrow on the line labeled "XX".
 - AREA TAG**: A rectangular symbol with three circles inside, labeled "000".
 - ROOM / SPACE AREA (SQ. FT.)**: Indicated by the top circle of the Area Tag.
- OCCUPANT LOAD FACTOR (SQ. FT. / PERSON)**: Indicated by the middle circle of the Area Tag.
- NUMBER OF CALCULATED OCCUPANTS**: Indicated by the bottom circle of the Area Tag.
- EXIT TAG**: A diamond-shaped symbol with three circles inside, labeled "000".
 - TOTAL NUMBER OF OCCUPANTS EXITING**: Indicated by the top circle of the Exit Tag.
- CAPACITY OF EXIT ELEMENT**: Indicated by the middle circle of the Exit Tag.
- EXIT WIDTH (WHOLE INCHES)**: Indicated by the bottom circle of the Exit Tag.
- FE**: Fire Extinguisher symbol, represented by a circle.
- FIRE EXTINGUISHER**: Label for the FE symbol.
- FEC**: Fire Extinguisher in Cabinet symbol, represented by a circle.
- FIRE EXTINGUISHER IN CABINET**: Label for the FEC symbol.

NOTE: THE CONTRACTOR IS TO PROVIDE AND INSTALL FIRE EXTINGUISHERS THROUGHOUT THE PROJECT AS REQUIRED BY THE LOCAL FIRE MARSHAL. CONTRACTOR IS TO VERIFY TYPES, QUANTITIES AND LOCATIONS WITH THE LOCAL FIRE MARSHAL. PROVIDE PORTABLE FIRE EXTINGUISHERS THROUGHOUT THE BUILDING AS REQUIRED BY THE APPLICABLE BUILDING AND FIRE CODES. SIZE AND LOCATE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10. STANDARD FOR PORTABLE FIRE EXTINGUISHERS SHALL BE 10LB, TYPE ABC IN ALL NON KITCHEN AREAS. FIRE EXTINGUISHERS IN KITCHEN AREAS TO BE CLASS K RATED.

FLOOR:

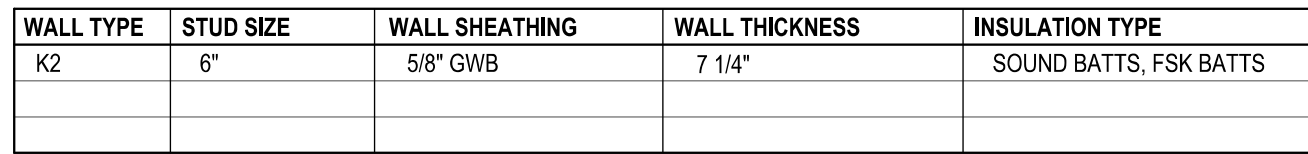
- ADJUST BASE HEIGHT FOR THICKNESS OF FLOOR FINISH AS REQUIRED

- 22 GAUGE STEEL (MIN); INCREASE GAUGE AS REQUIRED FOR SPECIFIC HEIGHT REQUIREMENTS, RE: STRUCTURAL
- SPACING AT 16" O.C. TYPICAL, U.N.O.
- BRACE TO STRUCTURE ABOVE AS REQUIRED
- PROVIDE DEEP SLOTTED TRACK TO ALLOW FOR 1" VERTICAL DEFLECTION AT ROOF ONLY

- USG TYPE 'X' GYPSUM WALL BOARD (GWB) TYPICAL, U.N.O.
- PROVIDE MOISTURE RESISTANT GWB (GREENBOARD) AT ALL RESTROOM WALLS
- PROVIDE CEMENT BOARD AT ALL CERAMIC TILE APPLICATIONS, U.N.O.
- 5/8" THICK, U.N.O. (AS INDICATED PER WALL TYPE TABLE)

- FORMALDEHYDE FREE FIBERGLASS EQUAL TO JOHNS MANVILLE OR OWENS CORNING
- TYPICALLY OCCURS IN DEMISING WALLS BETWEEN TENANT SPACES
- PROVIDE THERMAL BATTS AT EXTERIOR WALLS AS INDICATED ON PLAN DETAILS AND WALL SECTIONS

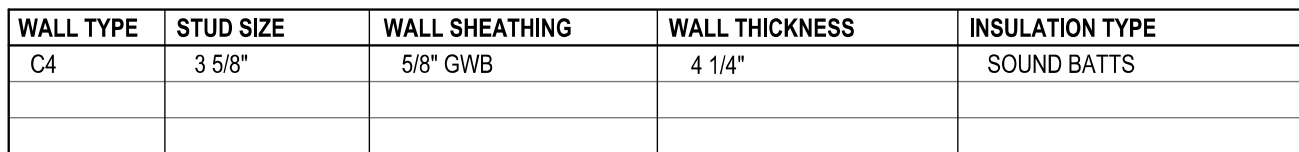
- PROVIDE FIRE RATED CONSTRUCTION ONLY WHERE INDICATED ON PLANS



FULL HEIGHT PARTITION
(FULL HEIGHT STUD / FULL HEIGHT GWB ONE SIDE)

③ Wall Type 'K'
1 1/2" = 1'-0"

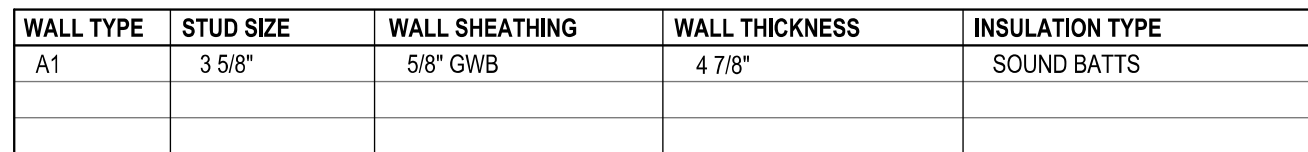
SECTION @ FLOOR



FULL HEIGHT FURRING
(FULL HEIGHT STUD / FULL HEIGHT GWB)

2 Wall Type 'C'
1 1/2" = 1'-0"

SECTION @ FLOOR



FULL HEIGHT PARTITION
(FULL HEIGHT STUD / FULL HEIGHT GWB)

① Wall Type 'A'
1 1/2" = 1'-0"



Gisela Gaxiola

818 SW Blue Pkwy, Lee Summit, MO

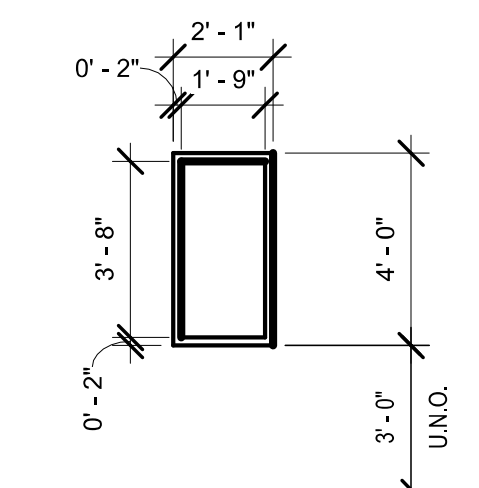
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Project #: Project Number

**Permit Drawings -
Tenant
Improvement**
02.07.2024

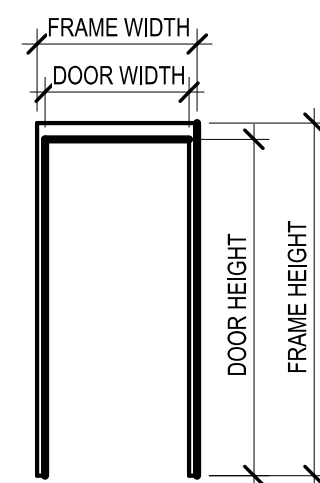
LIFE SAFETY PLAN & WALL TYPES

A002

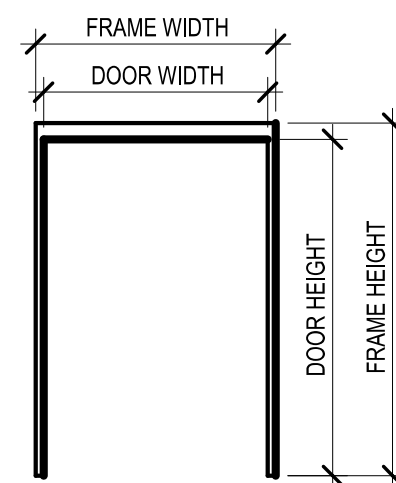


W1
WINDOW CONFIGURATION 1

WINDOW FRAME CONFIGURATIONS



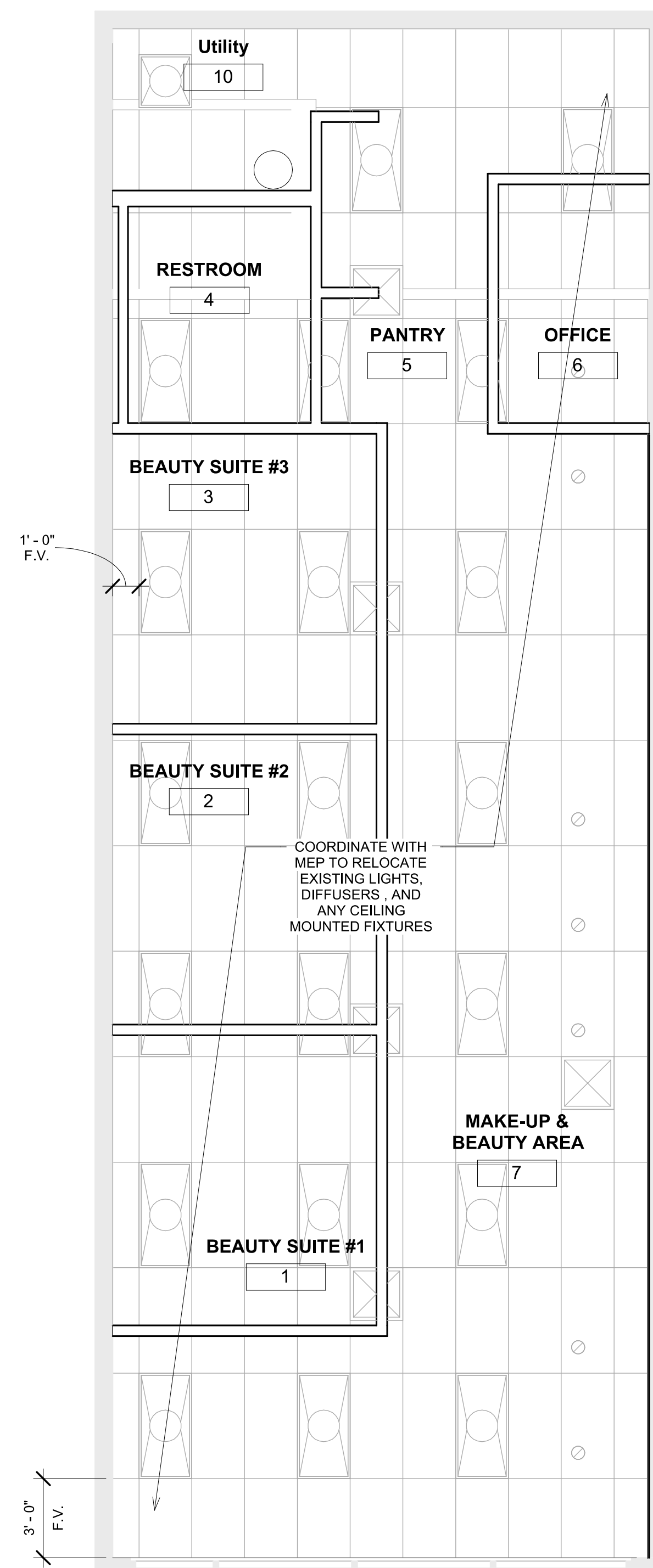
D
SINGLE HM FRAME



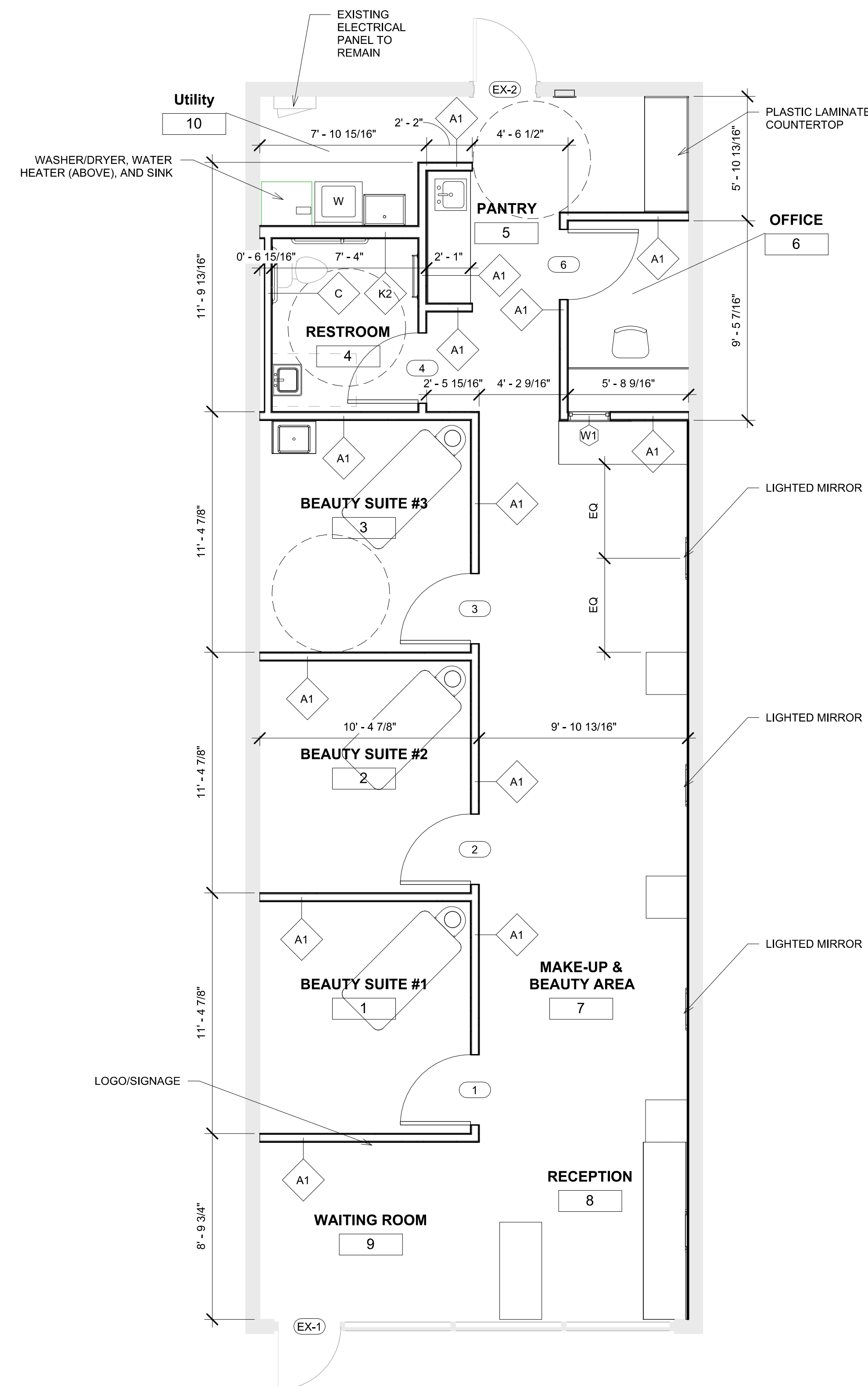
DD
DOUBLE HM FRAME

DOOR FRAME CONFIGURATIONS

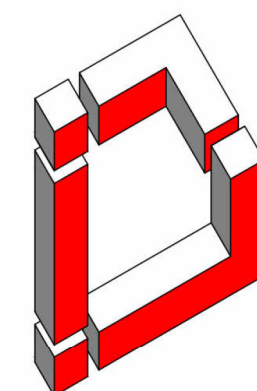
Door Schedule												
Door Number	Type	Door				Fire Rating	Hardware	Frame				Comments
		Width	Height	Thickness	Material			Type	Material	Jamb	Head	
1	D	3' - 4"	7' - 0"	0' - 2"	WD	N/A	BY OWNER	D	HM			
2	D	3' - 4"	7' - 0"	0' - 2"	WD	N/A	BY OWNER	D	HM			
3	D	3' - 4"	7' - 0"	0' - 2"	WD	N/A	BY OWNER	D	HM			
4	D	3' - 4"	7' - 0"	0' - 2"	WD	N/A	BY OWNER	D	HM			
6	D	3' - 4"	7' - 0"	0' - 2"	WD	N/A	BY OWNER	D	HM			



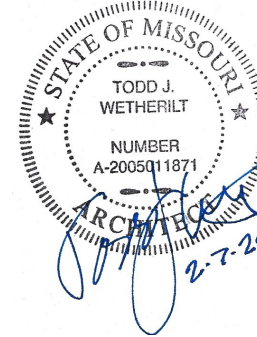
③ New Ceiling Plan - Level 1
1/4" = 1'-0"



① New Work Plan - Level 1
1/4" = 1'-0"



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Overland Park, Kansas
913-963-3892
dezinesinc.com/



Beauty Loft

Gisela Gaxiola

818 SW Blue Pkwy, Lee Summit, MO

NOT FOR
CONSTRUCTION

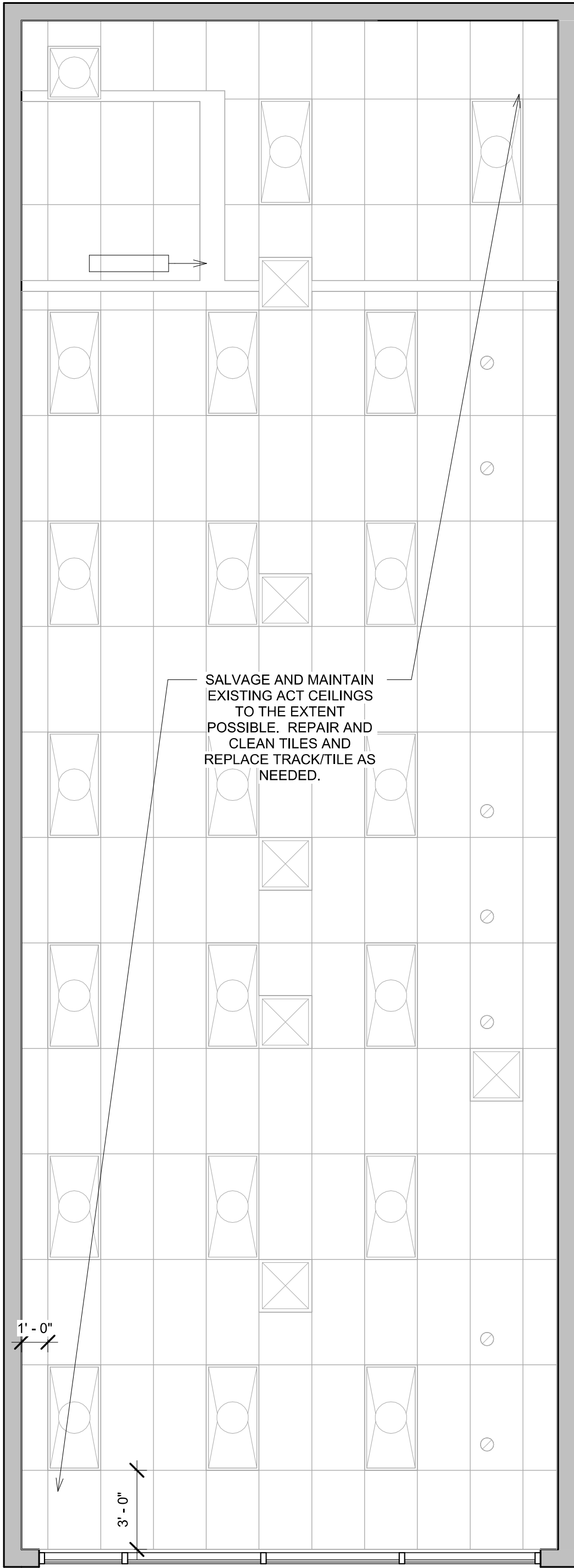
Revisions:

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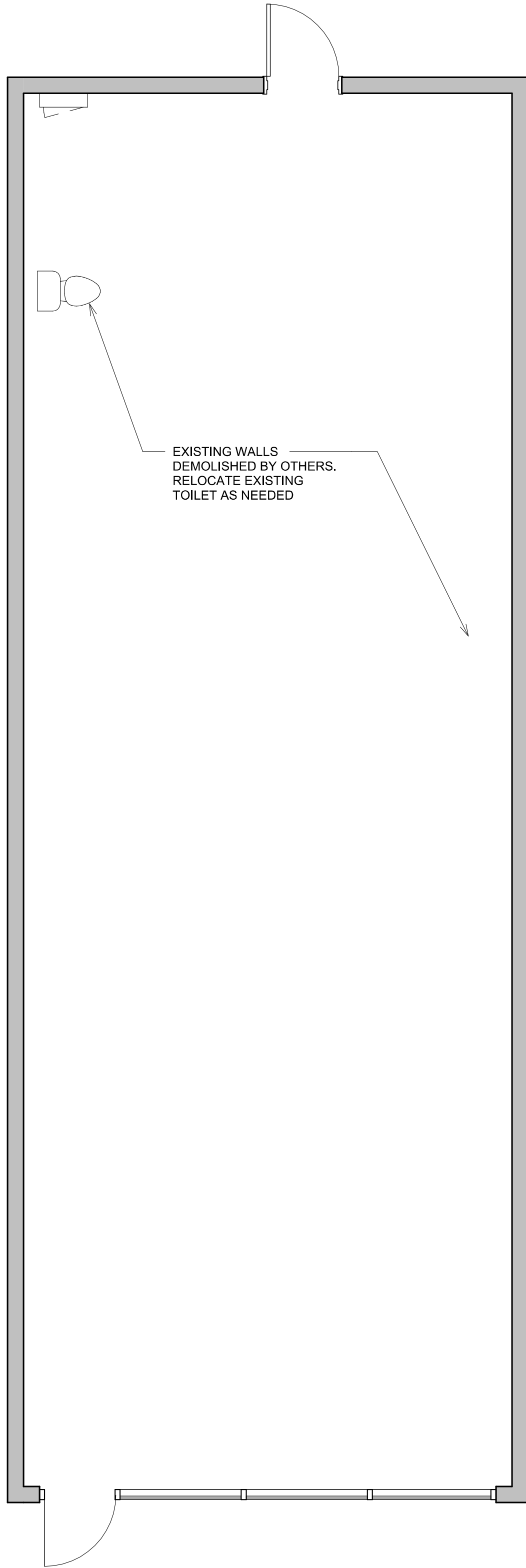
**Permit Drawings -
Tenant
Improvement**
02.07.2024

**FLOOR PLAN/RCP,
FRAME TYPES, &
DOOR SCHEDULE**

A1.01

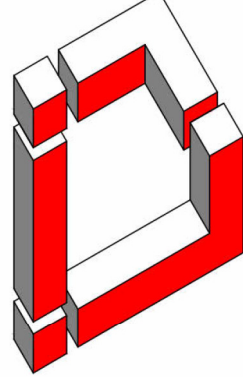


② Demo Ceiling Plan
1/4" = 1'-0"




① Demo Plan - Level 1
1/4" = 1'-0"

DEMOLITION LEGEND	DEMOLITION GENERAL NOTES
<div>EXISTING PARTITION TO BE REMOVED, INCLUDING BASE, DOORS, WINDOWS, OUTLETS, SWITCHES, CHALKTACK BOARDS, POWER POLES, WALL CAPS AND ANY ITEM ATTACHED TO OR ASSOCIATED WITH THE PARTITION. CONTRACTOR WILL VERIFY ELECTRICAL, MECHANICAL & PLUMBING IN EXISTING WALLS & TERMINATE OR RELOCATE AS REQUIRED FOR CONTRACT WORK. PATCH, REPAIR & CLEAN ALL ADJACENT WALLS AND PREPARE TO RECEIVE NEW PARTITION WALLS AS SHOWN ON FLOOR PLANS.</div> <div>EXISTING DOOR AND FRAME TO BE REMOVED UNLESS OTHERWISE NOTED.</div> <div>EXISTING ITEM TO BE REMOVED AS NOTED.</div> <div>EXISTING WALL / PARTITION TO REMAIN.</div> <div>EXISTING DOOR AND FRAME TO REMAIN.</div>	<div>A. BIDDERS TO VISIT SITE AND BE FAMILIAR WITH EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO EXISTING DIMENSIONS, EQUIPMENT, LOCATIONS, SIZES, QUANTITIES, AND MATERIALS.</div> <div>B. EXISTING ELECTRICAL POWER SERVING THE EXISTING FACILITY WILL REMAIN ON LINE. DISRUPTIONS REQUIRED FOR CONSTRUCTION TO BE COORDINATED WITH THE SCHOOL DISTRICT REPRESENTATIVE ASSIGNED TO THIS SPECIFIC PROJECT.</div> <div>C. EXISTING DRAIN LINES SERVING THE EXISTING FACILITY WILL REMAIN FUNCTIONAL. ANY DISRUPTIONS REQUIRED FOR NEW TIE-INS DURING CONSTRUCTION MUST BE COORDINATED WITH THE SCHOOL DISTRICT REPRESENTATIVE ASSIGNED TO THIS SPECIFIC PROJECT.</div> <div>D. CONTRACTOR WILL COORDINATE EXACT SIZES AND LOCATIONS FOR MECHANICAL, PLUMBING, AND ELECTRICAL PENETRATIONS REQUIRED FOR NEW WORK WITH EACH RESPECTIVE TRADE.</div> <div>E. CONTRACTOR WILL KEEP OPENINGS TO THE EXTERIOR TEMPORARILY COVERED FOR PROTECTION FROM WATER.</div> <div>F. CONTRACTOR WILL KEEP OPENINGS TEMPORARILY COVERED FOR PEDESTRIAN SAFETY.</div> <div>G. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY SHORING AND BRACING REQUIRED FOR DEMOLITION.</div> <div>H. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING SHEETS FOR ADDITIONAL PENETRATIONS AND OTHER RELATED DEMOLITION OR EQUIPMENT REMOVAL.</div> <div>I. EXISTING CONSTRUCTION IS SHOWN BASED UPON OWNER FURNISHED PLANS, OWNER FURNISHED SURVEYS, AND ONSITE OBSERVATIONS. DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS WILL BE REPORTED TO THE ARCHITECT/ENGINEER/PROJECT MANAGER PRIOR TO PROCEEDING WITH WORK.</div> <div>J. EXISTING CONSTRUCTION ADJACENT TO DEMOLITION WORK WILL BE PATCHED AND REPAIRED TO MATCH ORIGINAL CONDITION.</div> <div>K. DEMOLITION WORK TIMES WILL BE COORDINATED WITH THE SCHOOL DISTRICT REPRESENTATIVE ASSIGNED TO THIS SPECIFIC PROJECT.</div> <div>L. THIS EXISTING FACILITY WILL REMAIN FUNCTIONAL DURING THE COURSE OF THE DEMOLITION WORK. CONTRACTOR WILL MAINTAIN DUST BARRIERS, BARRICADES, PEDESTRIAN PROTECTION, WATER PROTECTION, AND SAFETY DEVICES IN PLACE AT ALL TIMES DURING AND AFTER DEMOLITION UNTIL NEW WORK IS INSTALLED.</div> <div>M. CONTRACTOR WILL MAINTAIN SITE DRAINAGE DEVICES AND COMPONENTS DURING THE COURSE OF DEMOLITION AND UP UNTIL NEW WORK IS IN PLACE. THIS INCLUDES EXISTING SUB-SOIL DRAINAGE.</div> <div>N. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</div> <div>O. REFER TO MECHANICAL, ELECTRICAL, AND ROOF PLAN DRAWINGS FOR ADDITIONAL DEMOLITION NOT SPECIFICALLY COVERED BY DEMOLITION PLANS, ESPECIALLY RELATIVE TO MODIFICATIONS TO EXISTING H.V.A.C. SYSTEMS.</div> <div>P. DEMOLITION, AS NOTED, CONSISTS OF COMPLETE REMOVAL OF THE LISTED ITEMS, RELATED FASTENERS, AND ATTACHMENT MATERIALS LEAVING A CLEAN SURFACE READY TO RECEIVE NOTED MATERIALS OR SCHEDULED FINISHES.</div> <div>Q. UNLESS NOTED OTHERWISE, MATERIALS WILL BE REMOVED FROM SITE AND DISPOSED OF AT CONTRACTOR'S EXPENSE. DISPOSAL WILL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES.</div> <div>R. DEMOLITION WILL FOLLOW THE CONSTRUCTION SCHEDULE PROVIDED IN THE SPECIFICATIONS.</div> <div>S. PRECAUTIONS WILL BE TAKEN TO SEPARATE STUDENTS AND SCHOOL STAFF FROM DEMOLITION AND TO PROTECT THEIR HEALTH AND SAFETY.</div> <div>T. ADDITIONAL MATERIALS, WHERE CONSTRUCTION ADJOINS EXISTING, NOT SPECIFICALLY IDENTIFIED IN THE DEMOLITION PLANS, WILL BE REMOVED AS REQUIRED TO COMPLETE THE CONSTRUCTION. THESE MATERIALS TYPICALLY INCLUDE MATERIAL PROJECTION BEYOND THE FACE OF THE WALL, INCLUDING BRICK SKILS, OTHER PROJECTIONS, AND ROOF FLASHINGS, GUTTERS, AND TRIMS. REFER TO WALL SECTIONS FOR SPECIFIC CONDITIONS.</div> <div>U. INVESTIGATE EACH WALL SUBJECT TO DEMOLITION TO DETERMINE IF IT IS USED FOR BEARING. COORDINATE WITH CONSTRUCTION SEQUENCE AND PROVIDE SHORING AT ANY WALL CARRYING STRUCTURAL LOAD TO PREVENT COLLAPSE UNTIL NEW STRUCTURE IS IN PLACE.</div> <div>V. OWNER RESERVES FIRST RIGHT TO RETAIN AND KEEP ANY EXISTING ITEMS REMOVED AS A PART OF THE DEMOLITION WORK.</div> <div>W. GENERAL CONTRACTOR SHALL COORDINATE THE REMOVAL OF ALL TECHNOLOGY AND COMMUNICATION DEVICES INCLUDING INTERCOM SPEAKERS, CLOCKS, WIRELESS ACCESS POINTS, CAFETERIA SPEAKERS, PROJECTORS, PROJECTOR PLATES, AUDIO-VIDEO CABLING, INTELLIGENT BOARDS, SCREENS, ETC WITH THE SOUND, INTERCOM AND TECHNOLOGY CONTRACTORS. THIS WORK MUST BE DONE PRIOR TO REMOVAL OF CEILING TILE OR OTHER CEILING AND PLENUM WORK.</div> <div>X. ALL TECHNOLOGY AND LOW-VOLTAGE CABLING IN THE PLENUM SHALL REMAIN IN PLACE. ANY DAMAGE TO THIS CABLING SHALL HAVE NEW CABLING PLACED BY THE PROPER TRADE CONTRACTOR AT THE SOLE EXPENSE OF THE CONTRACTOR THAT DAMAGED THE CABLING. ALL CABLES HAVE BEEN TESTED PRIOR TO RENOVATION WORK AND ALL WILL BE TESTED AFTER THE WORK IS COMPLETED.</div>
DEMOLITION LEGEND	



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Beauty Loft

Gisela Gaxiola

818 SW Blue Pkwy, Lee Summit, MO

Revisions:

Project #:

Project Number

Permit Drawings -
Tenant
Improvement
02.07.2024

DEMO FLOOR &
CEILING PLANS

AD1.01

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PLUMBING SPECIFICATION

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE, NFPA 90A AND 101 AND ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. ALL WATER BEARING PIPING SHALL BE SLOPED FOR DRAINAGE WITH BALL DRAIN VALVES AT LOW POINTS.
3. DRAINAGE PIPING SHALL BE SLOPED IN ACCORDANCE WITH CODE, BUT NOT LESS THAN 1/8" PER FOOT FOR 3" AND LARGER PIPING AND 1/4" PER FOOT FOR 2-1/2" AND SMALLER PIPING. ALL INVERT ELEVATIONS SHALL BE COORDINATED WITH THE STRUCTURAL FOOTINGS.
4. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
5. CAULK AND SEAL ALL DUCT AND PIPING PENETRATIONS OF EXTERIOR OR DEMISING WALLS.
6. THE CONTRACTOR SHALL TAKE CARE TO MAINTAIN THE INTEGRITY OF ALL FIRE RATED AND SOUND RATED ASSEMBLIES.
7. ABOVE GROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS, EXCEPT USE STANDARD WEIGHT NO-HUB CAST IRON IN AIR PLENUMS. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL WITH SCREWED JOINTS. PAINT ALL EXTERIOR PIPING WITH UV RESISTANT PAINT.
8. ABOVE GROUND WATER PIPING SHALL BE COPPER OR CROSS LINKED POLYETHYLENE (PEX).
9. SERVICE VALVES FOR WATER PIPING SYSTEMS UP THRU 2" SHALL BE 1/4 TURN, 150 LB. BALL VALVE WITH BRONZE CHROME PLATED BALL AND TFE SEATS, NIBCO S-585-70. SERVICE VALVES FOR WATER PIPING SYSTEMS UP THRU 2" SHALL BE 1/4 TURN, 150 LB. BALL VALVE WITH BRONZE CHROME PLATED BALL AND TFE SEATS, NIBCO S-585-70.
10. DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS WITH ALL SERVICE JACKET OR COMPARABLE UNICELLULAR INSULATION WITH SMOKE/FLAME RATING OF 25/50. WHEN INSTALLED WITHIN A CHASE ALONG AN EXTERIOR WALL, THE INSULATION SHALL BE 1-1/2" FIBERGLASS AND THE PIPING SHALL BE LOCATED ON THE INTERIOR SIDE OF THE BUILDING WALL INSULATION.
11. PROVIDE PLUMBING FIXTURES AS SCHEDULED OR SELECTED BY OWNER WITH ALL REQUIRED TRIM AND ACCESSORIES FOR A COMPLETE WORKING AND CODE COMPLIANT INSTALLATION. PROVIDE STOP VALVES AND WATER HAMMER ARRESTORS, SIZED AS INDICATED OR PER MANUFACTURER FOR EACH FIXTURE OR EACH GROUP OF FIXTURES. REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF THE FIXTURES.
12. MEET ALL REQUIREMENTS OF THE ADA FOR ALL FIXTURES REQUIRED TO BE HANDICAP ACCESSIBLE. INSULATE PIPING BENEATH HANDICAP FIXTURES PER ADA, HANDI-LAV-GARD SYSTEM OR EQUIVALENT.
13. TEST AND CLEAN PIPING SYSTEMS PER INDUSTRY STANDARDS. PRESSURE TEST OF PRESSURE PIPING SHALL BE AT 1-1/2 TIMES THE ANTICIPATED OPERATING PRESSURE, BUT NOT LESS THAN 50 PSIG FOR 2 HOURS. NON-PRESSURIZED SYSTEMS SHALL BE TESTED WITH 10' WATER COLUMN ABOVE NORMAL OPERATING CONDITIONS OR 5 PSI FOR 2 HOURS. THERE SHALL BE NO MEASURABLE DROP DURING THE TEST PERIOD.

MECHANICAL SPECIFICATION

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL AND FUEL GAS CODES, NFPA 90A AND 101 AND ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. COORDINATE EXACT LOCATIONS AND ORIENTATION OF EQUIPMENT WITH ARCHITECTURAL AND STRUCTURAL REQUIREMENTS. EQUIPMENT SHALL BE SCREENED IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS AND AS SHOWN ON ARCHITECTURAL DRAWINGS.
3. DUCTWORK FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS.
4. ALL DUCTWORK SHALL BE SHEET METAL, CONSTRUCTED TO SMACNA STANDARDS, MINIMUM OF 2" WG PRESSURE CLASS AND SEAL CLASS 'C' MINIMUM. ALL LONGITUDINAL AND TRANSVERSE JOINTS TO BE SEALED, EXCEPT AS OTHERWISE NOTED. ROUND AND FLEX DUCT CONNECTIONS SHALL BE MADE WITH SPIN COLLARS WITH EXTRACTORS AND VOLUME DAMPERS.
5. DUCT RUNOUT SIZES NOT SHOWN SHALL BE THE SAME SIZE AS THE DIFFUSER NECK CONNECTION.
6. RECTANGULAR DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL INCLUDE AN ALLOWANCE FOR 1" DUCT LINER IN LOW VELOCITY DUCTS WHERE APPLICABLE. CONCEALED ROUND DUCTS SHALL BE INSULATED WITH 2" DUCT WRAP. EXPOSED ROUND DUCTS DO NOT NEED TO BE INSULATED.
7. ROUND OR OVAL EXPOSED DUCT SHALL BE SPIRAL DUCT, PAINT GRADE WHERE SCHEDULED BY ARCHITECT TO BE PAINTED.
8. FLEX DUCT SHALL BE UL CLASS 1 AIR DUCT SUITABLE FOR +/- 2" WG PRESSURE WITH 1-1/2" FIBERGLASS INSULATION WITH ALL SERVICE JACKET, 5' MAXIMUM LENGTH, ENDS BANDED IN PLACE AND TAPED WITH FOIL TAPE. ADEQUATELY SUPPORT FLEX DUCT TO PREVENT KINKS OR OBSTRUCTIONS. PROVIDE SHEET METAL ELBOW OR THERMAFLEX 'FLEXFLOW' ELBOW SUPPORT AT DIFFUSER CONNECTION.
9. PROVIDE FLEXIBLE FABRIC CONNECTORS AT ALL DUCTWORK CONNECTIONS TO ROTATING EQUIPMENT. CONNECTORS EXPOSED TO SUNLIGHT SHALL BE MADE OF UV RESISTANT MATERIAL.
10. CONTRACTOR SHALL INSURE THAT A PROPER RETURN AIR PATH EXISTS FROM EACH SPACE. WHERE NOT OTHERWISE INDICATED AND IN RETURN AIR PLENUM APPLICATIONS, PROVIDE FLANGED RETURN AIR OPENINGS ABOVE CEILING LEVEL, THRU WALLS TO STRUCTURE, SO THAT RETURN AIR VELOCITY AND PRESSURE DROP DOES NOT EXCEED 1000 FPM AND 0.065" WG/100' RESPECTIVELY.
11. THE CONTRACTOR SHALL TAKE CARE TO MAINTAIN THE INTEGRITY OF ALL FIRE RATED AND SOUND RATED ASSEMBLIES.
12. ALL ROOF MOUNTING, FLASHINGS AND PENETRATION WORK ASSOCIATED WITH MECHANICAL AND PLUMBING WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE ROOFING MANUFACTURER'S WARRANTY REQUIREMENTS.
13. TEST AND CLEAN PIPING SYSTEMS PER INDUSTRY STANDARDS. PRESSURE TEST OF PRESSURE PIPING SHALL BE AT 1-1/2 TIMES THE ANTICIPATED OPERATING PRESSURE, BUT NOT LESS THAN 50 PSIG FOR 2 HOURS. NON-PRESSURIZED SYSTEMS SHALL BE TESTED WITH 10' WATER COLUMN ABOVE NORMAL OPERATING CONDITIONS OR 5 PSI FOR 2 HOURS. THERE SHALL BE NO MEASURABLE DROP DURING THE TEST PERIOD.
14. TEST AND BALANCE ALL SYSTEMS.

ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL WORK WITH BUILDING REPRESENTATIVE AND GENERAL CONTRACTOR.
2. INSTALLATION SHALL COMPLY WITH LATEST EDITION OF N.E.C. AND LOCAL AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN MUNICIPALITY WHERE PROJECT IS LOCATED.
4. ALL WIRING SHALL BE INSTALLED IN CONDUIT. EMT CONDUIT WITH SET SCREW FITTINGS MAY BE UTILIZED WHERE PERMITTED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
5. ALL WIRING SHALL BE COPPER WITH 600 VOLT INSULATION AND COLOR CODED.
6. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT AND INSPECTION FEES.
7. MC CABLE MAY BE INSTALLED WHERE PERMITTED BY CODE CONCEALED IN WALLS AND FOR CONNECTIONS TO LIGHT FIXTURES (MAXIMUM LENGTH 6'-0"). CONDUCTORS SHALL BE MINIMUM #12 GAUGE AND COPPER. MC CABLE SHALL NOT BE USED FOR HOMERUNS.
8. INSTALL BLANK COVER PLATE ON ALL PULL BOXES AND JUNCTION BOXES.
9. TYPEWRITTEN PANELBOARD DIRECTORY SHALL BE PROVIDED FOR PANELBOARD AND CORRECTLY FILLED OUT.
10. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK WITH ALL OTHER TRADES INVOLVED WITH CONSTRUCTION OF PROJECT.
11. ALL WIRING DEVICES SHALL BE RATED 20 AMP, OR AS NOTED.
12. ALL NEW BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED CONCEALED ABOVE LAY-IN CEILING OR IN WALLS.
13. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING OF ALL CONDUITS TO NEW EQUIPMENT.
14. VOICE/DATA SYSTEMS, ASSOCIATED WIRING, AND DEVICES TO BE PROVIDED BY OWNER.
15. DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, NEMA 1 FOR INDOOR AND NEMA 3R FOR OUTDOOR INSTALLATIONS. MANUFACTURED BY SQUARE D, ITE/SIEMENS, GE, OR CUTLER-HAMMER.
16. FURNISH MATERIALS AND LABOR FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION.
17. MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE 'UL' LABELS AS REQUIRED.
18. E.C. SHALL VERIFY RATINGS, LOCATIONS, AND CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS AND INSTALLED AND/OR CONNECTED BY THE ELECTRICAL CONTRACTOR.
19. E.C. SHALL VERIFY ALL CONDITIONS PRIOR TO ANY ROUGH-IN.
20. ALL CHANGES BY E.C. TO ITEMS SPECIFIED ON DRAWINGS MUST BE APPROVED IN WRITING BY ENGINEER/ARCHITECT OR OWNER AT LEAST (10) TEN DAYS PRIOR TO PROJECT BID DATE.
21. E.C. SHALL PROVIDE AND INSTALL SMOKE AND FIRE STOPS AT ALL CONDUIT PENETRATIONS OF SMOKE AND FIRE-RATED WALLS AND CEILINGS.
22. CAULK AND SEAL ALL RACEWAY PENETRATIONS OF EXTERIOR OR DEMISING WALLS.
23. THE CONTRACTOR SHALL TAKE CARE TO MAINTAIN THE INTEGRITY OF ALL FIRE RATED AND SOUND RATED ASSEMBLIES.
24. E.C. SHALL COORDINATE LOCATIONS OF ALL DEVICES, SUCH AS LIGHT SWITCHES, CONVENIENCE RECEPTACLES, TELEVISION OUTLETS, AND TELEPHONE OUTLETS WITH ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
25. NEW PANELBOARDS SHALL BE ITE/SIEMENS TYPE 'P2', WITH BOLT-ON CIRCUIT BREAKERS, ALUMINUM BUS, NEMA 1 ENCLOSURE, GROUND, AND NEUTRAL BUS. AIC RATING TO MATCH EXISTING SYSTEM. EQUALS BY SQUARE 'D', G.E., OR CUTLER-HAMMER.

PLUMBING SYMBOLS

	EXISTING TO REMAIN.
	NEW PIPING WORK.
	DOMESTIC COLD WATER (CW).
	DOMESTIC HOT WATER (HW).
	HOT WATER RECIRCULATION (HWR).
	PLUMBING VENT ABOVE FLOOR (V).
	SANITARY WASTE ABOVE FLOOR (W).
	SANITARY WASTE BELOW FLOOR (W).
	GAS (NATURAL) (NG).
	ELBOW DOWN.
	ELBOW UP.
	TEE DOWN.
	TEE UP.
	CAP.
	PIPE UNION.
	1/4 TURN SHUT-OFF VALVE.
	CHECK VALVE.
	PUMP
	VENT THRU ROOF (VTR).
	EXISTING TO REMAIN.
	PLAN NOTE DESIGNATION.
	PLAN REVISION DESIGNATION.
	CONNECT TO EXISTING.
	PLUMBING EQUIPMENT DESIGNATION - TOP PORTION IS EQUIPMENT (HW, RTU, ETC.), BOTTOM PORTION IS NO. OR LETTER (SEE APPROPRIATE SCHEDULE).

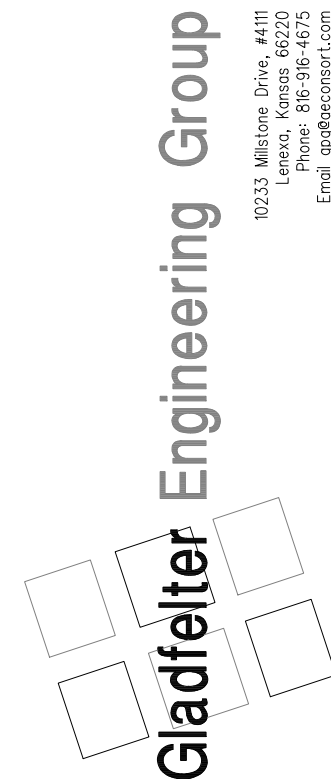
ELECTRICAL SYMBOLS

	BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. ARROWS INDICATE HOMERUNS TO PANEL. ALL CONDUCTORS ARE #12 EXCEPT AS NOTED.
	CONDUIT RUN UNDERGROUND OR BENEATH FLOOR SLAB.
	GROUNDING CONDUCTOR #12 EXCEPT AS NOTED.
	WALL MOUNTED JUNCTION BOX.
	CEILING MOUNTED JUNCTION BOX.
	PANELBOARD (SURFACE MOUNTED). INSTALL W/TOP 6'-0" AFF.
	DISCONNECT SWITCH. SIZED AS NOTED.
	SINGLE POLE SWITCH. +3'-10" AFF.
	DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
	DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
	DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE. HEIGHT AS NOTED.
	DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION. +1'-6" AFF OR AS NOTED.
	FOURPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
	FOURPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
	HEAVY DUTY RECEPTACLE. VOLTAGE, PHASE AND AMPS AS NOTED. +1'-6" AFF OR AS NOTED.
	COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF OR AS NOTED.
	COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING. INSTALLED ABOVE COUNTERTOP.
	HEIGHT TO CENTERLINE OF OUTLET BOX ABOVE FINISHED FLOOR.
	ELECTRIC WATER HEATER AND NUMBER.
	EXHAUST FAN AND NUMBER.
	CONDENSING UNIT AND NUMBER.
	FURNACE AND NUMBER.
	ABOVE FINISH FLOOR.
	EXISTING TO REMAIN.
	EXISTING RELOCATED.
	ELECTRICAL CONTRACTOR.
	EQUIPMENT GROUNDING CONDUCTOR.
	GROUNDING ELECTRODE CONDUCTOR.
	MAIN BONDING JUMPER.

Gladfelter Engineering Group assumes design responsibility for this project for only the mechanical, plumbing and electrical disciplines with drawing sheet number beginning with M, P and E. All other drawings should be considered the work of others. Further, drawings in this project set may contain drawing information, including but not limited to: architectural plans, sections and elevations, site plans and surveys and other information pertinent to showing the mechanical, plumbing and electrical work which is furnished by others, generally indicated by screened or light type. Gladfelter Engineering Group assumes no responsibility or liability for the accuracy or regulatory compliance for work prepared by others even though shown on MPE drawings. Gladfelter Engineering Group assumes responsibility only for the design of mechanical, plumbing and electrical disciplines contained herein, generally indicated in bold type.



BEAUTY LOFT
818 SW BLUE PARKWAY
LEE'S SUMMIT, MO



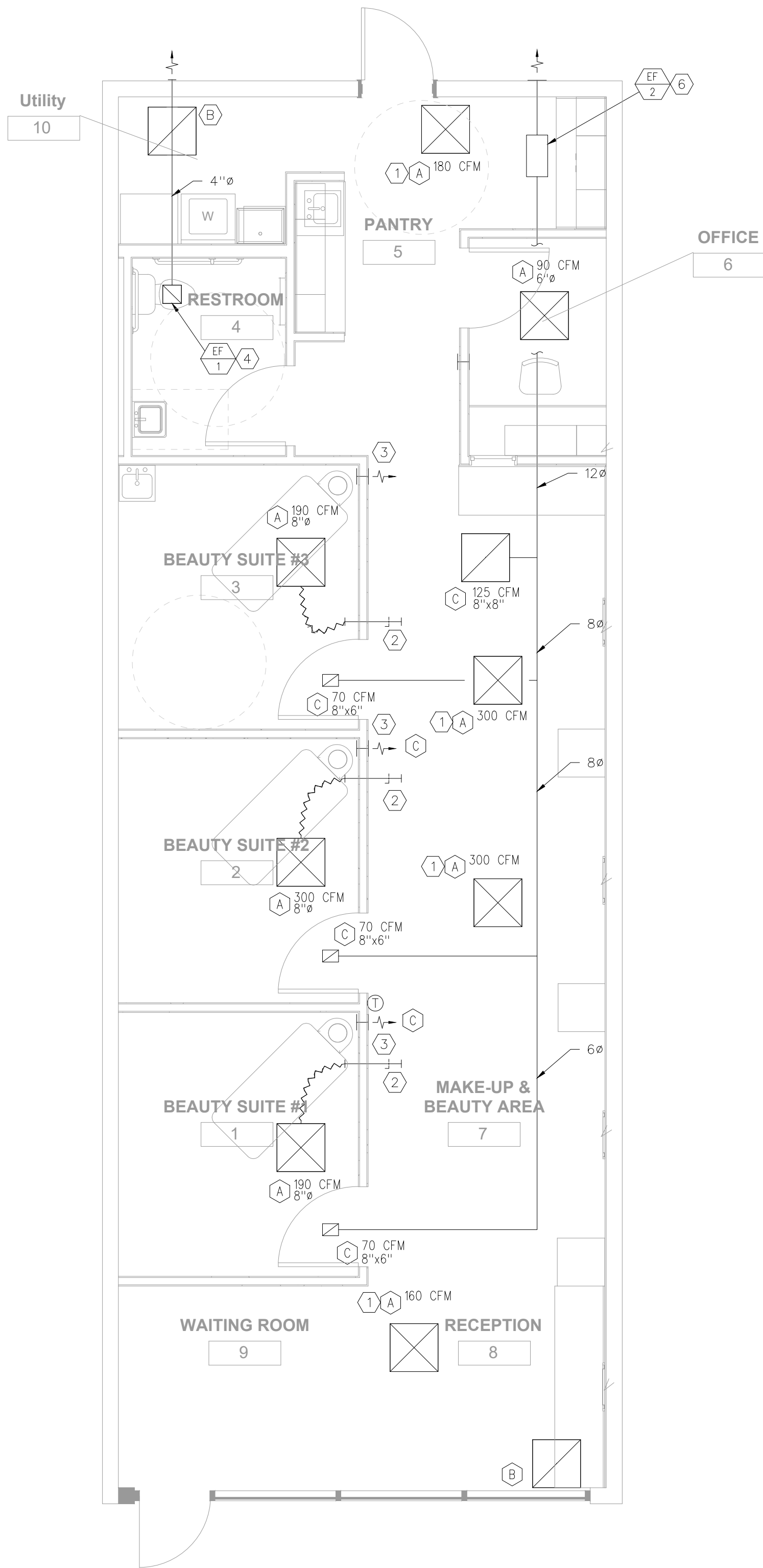
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Drawn:	JEE/MKS/GPG
Date:	2024/02/09

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MECHANICAL FLOOR PLAN

1/4" = 1'-0"

NORTH

MECHANICAL PLAN NOTES

- RELOCATE EXISTING CEILING DIFFUSER AND BALANCE TO CFM INDICATED.
- INSTALL SPIN COLLAR, ROUND METAL DUCT, FLEX DUCT AND CEILING DIFFUSER TO SERVE BEAUTY SUITE OR OFFICE.
- HI-LOW 14"x8" RETURN GRILLES ON EITHER SIDE OF WALL UTILIZING STUD SPACE AS A RA PATH.
- EXHAUST FAN IS EXISTING TO REMAIN, EXTEND 4" EXHAUST DUCT TO REAR EXTERIOR WALL AND INSTALL WEATHERPROOF WALL OUTLET.
- SPACE SERVED FROM AN EXISTING 4-TON ROOFTOP UNIT.
- HANG EF ABOVE CEILING AND INTERLOCK TO OPERATE WHENEVER LIGHT FIXTURES ARE ON. DISCHARGE THRU WEATHERPROOF WALL OUTLET.

DIFFUSER SCHEDULE					
MARK NO.	MANUFACTURER	MODEL NO.	FACE SIZE (INCHES)	MOUNTING	REMARKS
A	TITUS	TMS	24x24	LAY-IN	1,2,3
B	TITUS	PAR	24x24	LAY-IN	2,4
C	TITUS	23RL	-	SURFACE	1,2,4

NOTES:

- SEE THE PLANS FOR NECK SIZE.
- COLOR PER ARCHITECT.
- PROVIDE DAMPER AT DUCT TAKE-OFF EXCEPT PROVIDE GRILLE MOUNTED DAMPER WHERE OUTLET IS ABOVE INACCESSIBLE CEILING.
- PROVIDE WITH DAMPER OR EXTRACTOR IF REQUIRED FOR BALANCING.

FAN SCHEDULE														
MARK NO.	MANUFACTURER	MODEL NO.	CFM	ESP IN W.G.	TYPE	FAN SIZE	RPM	DRIVE	ACCESSORIES	ELECTRICAL				REMARKS
										VOLT	ø	HZ	HP/W	
1	COOK	GC-144	100	0.25	CEILING	-	1100	D	-	120	1	60	98W	1
2	COOK	--	545	0.5	INLINE	-	--	D	-	120	1	60	--	2

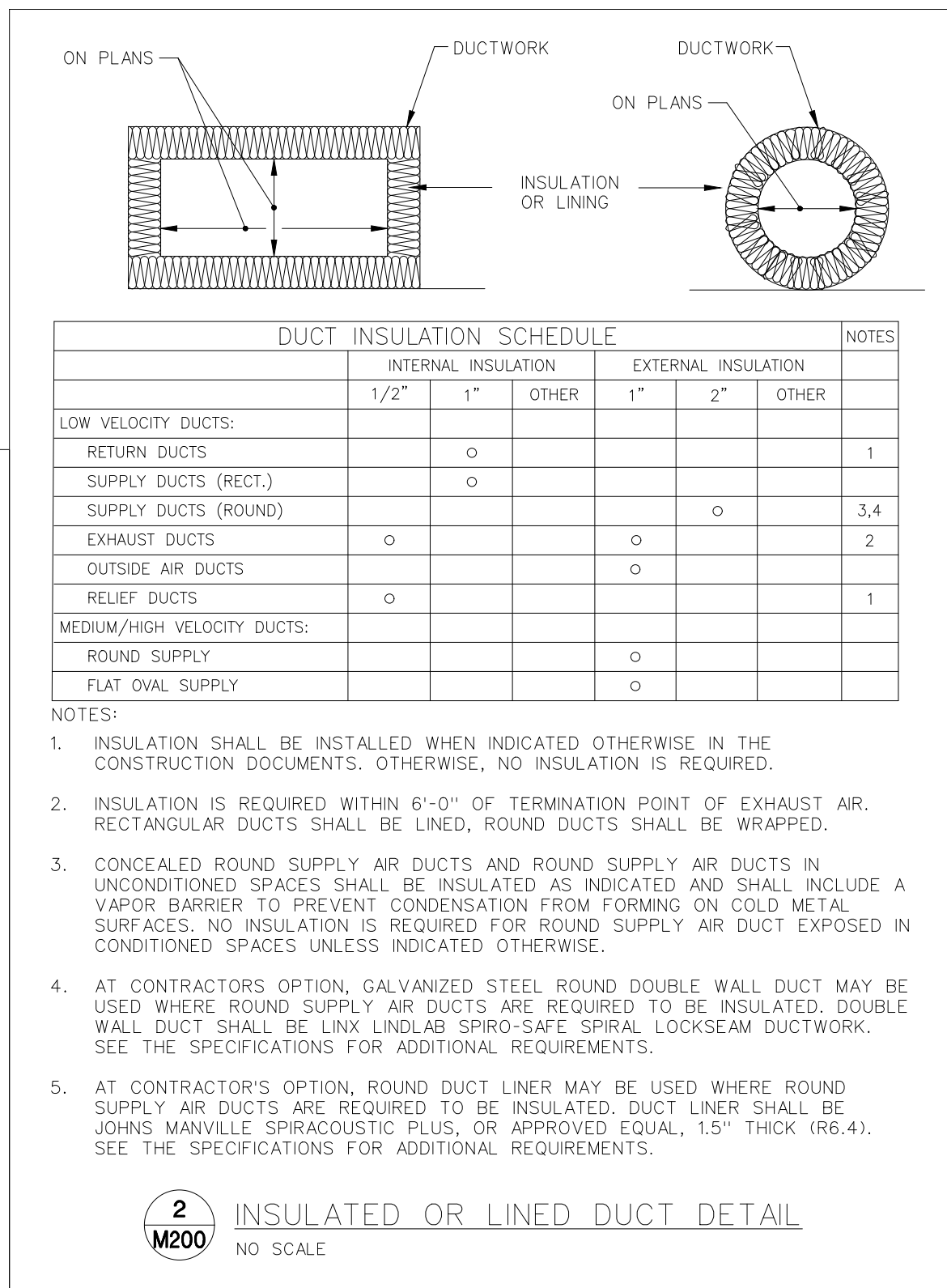
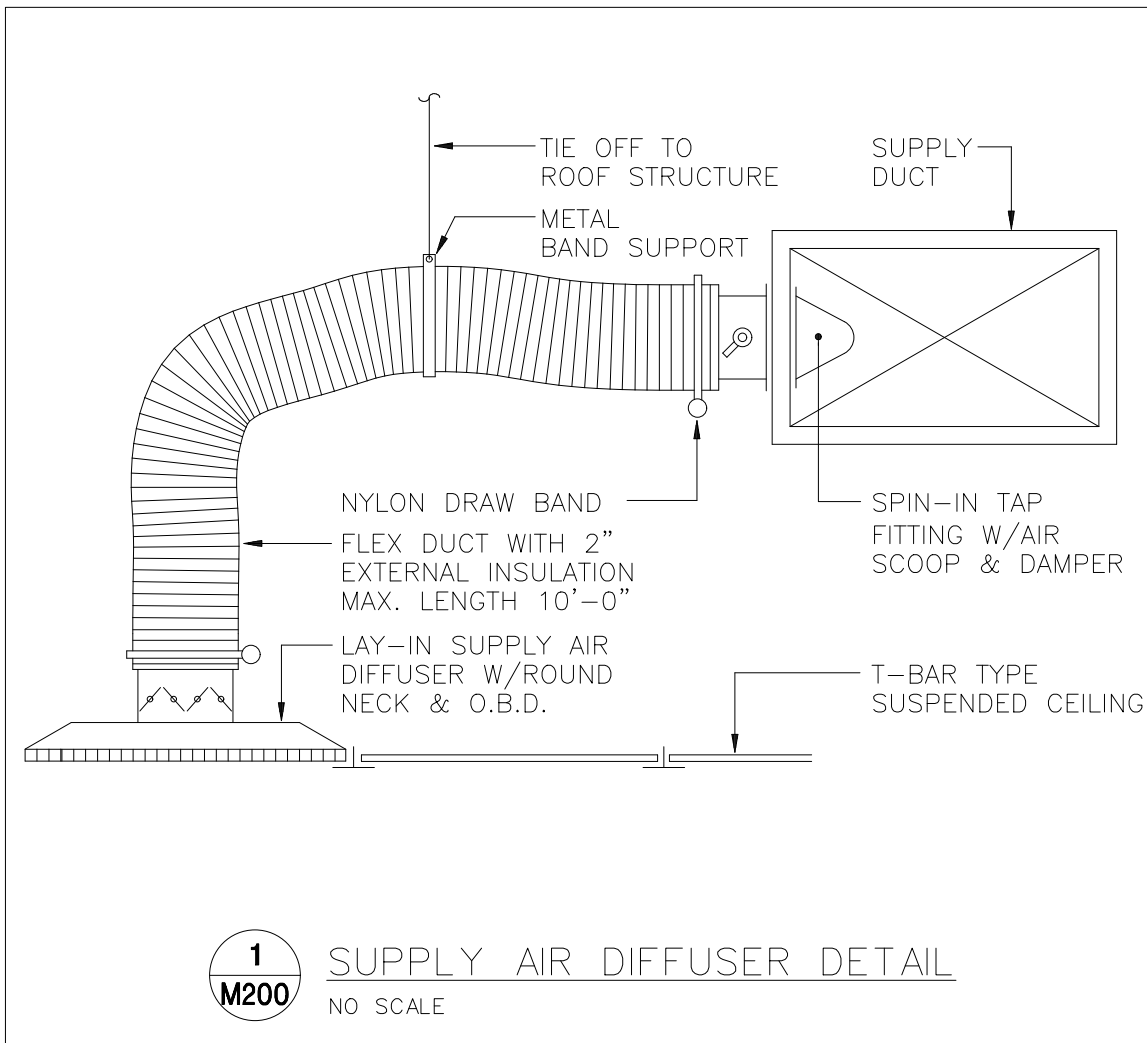
NOTES:

- PROVIDE CEILING FANS WITH CEILING GRILLE, DISCONNECT SWITCH, HANGER HARDWARE, BACKDRAFT DAMPER, UNIT MOUNTED VARIABLE SPEED SWITCH, WALL OR ROOF CAP, FLEX CONNECTOR, SWITCH WITH LIGHTS.
- PROVIDE INLINE FANS WITH DISCONNECT SWITCH, HANGER HARDWARE, BACKDRAFT DAMPER, WALL MOUNTED VARIABLE SPEED SWITCH, WALL OR ROOF CAP, FLEX CONNECTORS.

OUTSIDE AIR SUMMARY (SINGLE ZONE SYSTEMS) (NOTES 2 & 3)

SYSTEM	SPACE	AREA (SQUARE FEET)	CALCULATED OCCUPANT TOTAL (Pa)	VENTILATION RATE (CFM/PERSON) (Rp)	AREA OUTDOOR AIRFLOW IN BREATHING ZONE (Ra) CFM/SF	SPACE OUTDOOR AIRFLOW IN BREATHING ZONE Vbz=RpPz+RaAz CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) COOLING/HEATING (NOTE 1)	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez)	ZONE OUTDOOR AIRFLOW HEATING (Voz=Vbz/Ez)	ZONE OUTDOOR AIR SETPOINT (CFM)	EXHAUST REQUIRED (CFM) (NOTE 5)	REMARKS
RTU-1 (4-TON)	OFFICE	52	1	5	0.06	8.12	1.0/0.8	8.12	10.15	11		
	CORRIDOR	128	0	5	0.06	7.68	1.0/0.8	7.68	9.60	10		
	PANTRY/UTILITY	187	0	0	0.12	22.44	1.0/0.8	22.44	28.05	29		
	RESTROOM	53										
	BEAUTY ROOM #3	110	3	20	0.12	73.20	1.0/0.8	73.20	91.50	92	66	
	BEAUTY ROOM #2	110	3	20	0.12	73.20	1.0/0.8	73.20	91.50	92	66	
	BEAUTY ROOM #1	110	3	20	0.12	73.20	1.0/0.8	73.20	91.50	92	66	
	MAKE-UP BEAUTY AREA	208	6	20	0.12	144.96	1.0/0.8	144.96	181.20	182	125	
	RECEPTION	107	4	5	0.06	26.42	1.0/0.8	26.42	33.03	34		
	TOTAL	1,065	20							542	323	

- ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) DETERMINED FROM TABLE 403.3.1.2 AND IS BASED ON AIR DISTRIBUTION CONFIGURATION IN ACCORDANCE WITH THE 2018 IMC.
- CALCULATION DONE IN ACCORDANCE WITH 2018 IMC, CHAPTER 4.
- VENTILATION AIR PROVIDED BY DIRECT CONNECTION TO THE OUTDOORS IN ACCORDANCE WITH SECTION 401, 2018 IMC.
- BATHROOM MINIMUM EXHAUST AIR PROVIDED AT MINIMUM 70 CFM PER FIXTURE IN ACCORDANCE WITH CHAPTER 4, 2018 IMC.
- SPACE EXHAUST REQUIRED AT THE INDICATED RATE.



MECHANICAL GENERAL NOTES (RTU)

- COORDINATE LOCATION OF CEILING DIFFUSERS AND RETURN GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- CONTRACTOR SHALL INSURE THAT A PROPER RETURN AIR PATH EXISTS FROM EACH SPACE. WHERE NOT OTHERWISE INDICATED AND IN RETURN AIR PLENUM APPLICATIONS, PROVIDE FLANGED RETURN AIR OPENINGS ABOVE CEILING LEVEL, THRU WALLS TO STRUCTURE, SO THAT RETURN AIR VELOCITY AND PRESSURE DROP DOES NOT EXCEED 1000 FPM AND 0.065"WG/100' RESPECTIVELY.
- CONFIRM THAT NO COMBUSTIBLE MATERIALS ARE LOCATED IN CEILING RETURN AIR PLENUMS.
- ROOF MOUNTED EQUIPMENT SHALL BE LOCATED NO CLOSER THAT 10'-0" FROM THE EDGE OF THE ROOF.
- MAINTAIN 10'-0" SEPARATION FOR OUTSIDE AIR INTAKES AND EXHAUST FAN OUTLETS AND PLUMBING VENTS.
- TEMPERATURE CONTROL INCLUDES ALL CONTROL WIRING FOR COMPLETE OPERATION OF ROOFTOP UNITS BY MECHANICAL CONTRACTOR ACCORDING TO THE FOLLOWING SEQUENCE OF OPERATIONS:

RTU SEQUENCE OF CONTROL:

PROVIDE A WALL MOUNTED 7-DAY HEATING/COOLING THERMOSTAT FOR EACH ROOFTOP UNIT INSTALLED IN A LOCATION APPROVED BY THE OWNER. INSTALL TAMPERPROOF COVER.

DAY OPERATION - THE TIMECLOCK OR MANUAL OVERRIDE FUNCTION SHALL AUTOMATICALLY ACTIVATE THE SYSTEM TO THE "OCCUPIED" OR "DAY" MODE. THE SYSTEM SHALL HEAT OR COOL THE SPACE TO THE DESIRED SET POINTS (COOLING: 74°F AND HEATING: 70°F) THROUGH THE THERMOSTATS BUILT-IN DEADBAND. THE OUTSIDE AIR DAMPERS SHALL BE AT THEIR MINIMUM POSITION AND THE FAN SHALL MAINTAIN CONTINUOUS OPERATION.

NIGHT OPERATION - THE TIMECLOCK SHALL AUTOMATICALLY ACTIVATE THE SYSTEM TO THE "NIGHT/UNOCCUPIED" MODE. THE SYSTEM SHALL HEAT OR COOL THE SPACE TO THE DESIRED NIGHT SET POINTS (COOLING: 85°F AND HEATING: 60°F) THROUGH THE THERMOSTATS NIGHT/UNOCCUPIED SETPOINTS. THE OUTSIDE AIR DAMPERS SHALL BE CLOSED AND THE FAN SHALL CYCLE AS NEEDED TO MAINTAIN THE THERMOSTAT SETPOINTS.

ECONOMIZER OPERATION TO ENABLE FREE COOLING SHALL BE A FUNCTION OF THE RTU MANUFACTURER'S STANDARD CONTROLS.

DEHUMIDIFICATION OPERATION, IF PROVIDED, SHALL BE A FUNCTION OF THE RTU MANUFACTURER'S STANDARD CONTROLS. INSTALL HUMIDISTAT ARE RECOMMENDED BY MANUFACTURER.

SAFETY OPERATION - THE FIRE ALARM SYSTEM SHALL SHUTDOWN OPERATION OF RTU FAN UPON DETECTION OF SMOKE AT ANY SMOKE DETECTOR INSTALLED AT THIS FACILITY.

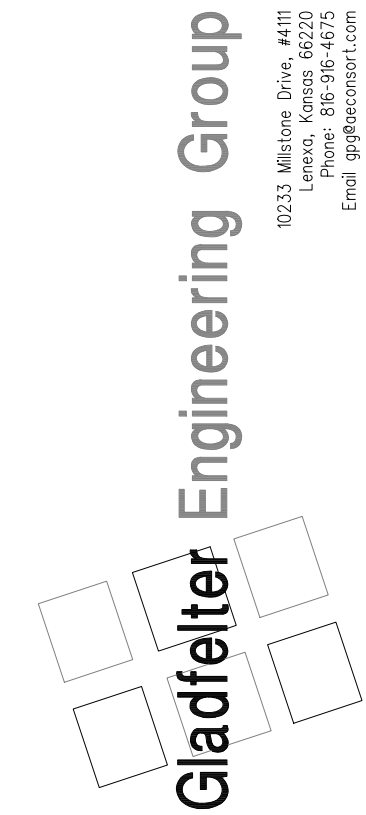
MECHANICAL SYMBOLS

- NEW SHEET METAL DUCTWORK & SIZE.
- NEW SHEET METAL DUCTWORK & SIZE.
- SUPPLY AIR DUCT OR OUTSIDE AIR INTAKE.
- RETURN AIR DUCT OR EXHAUST AIR DUCT.
- DIRECTION OF RETURN AIRFLOW.
- THERMOSTAT OR TEMPERATURE SENSOR.
- CONDENSATE DRAIN.
- ELBOW DOWN.
- ELBOW UP.
- SUPPLY AIR.
- OUTSIDE AIR.
- RETURN AIR.
- EXHAUST AIR.
- CONDENSING UNIT.
- EXHAUST FAN.
- ROOFTOP UNIT.
- PLAN NOTE DESIGNATION.
- PLAN REVISION DESIGNATION.
- CONNECT TO EXISTING.
- MECHANICAL EQUIPMENT DESIGNATION - TOP PORTION IS EQUIPMENT (RTU, EF, HP, ETC.), BOTTOM PORTION IS NO. OR LETTER (SEE APPROPRIATE SCHEDULE).

Gladfelter Engineering Group assumes design responsibility for this project for only the mechanical, plumbing and electrical disciplines with drawing sheet number beginning with M, P and E. All other drawings should be considered the work of others. Further, drawings in this project set may contain drawing information, including but not limited to: architectural plans, sections and elevations, site plans and surveys and other information pertinent to showing the mechanical, plumbing and electrical work which is furnished by others, generally indicated by screened or light type. Gladfelter Engineering Group assumes no responsibility or liability for the accuracy or regulatory compliance for work prepared by others even though shown on MPE drawings. Gladfelter Engineering Group assumes responsibility only for the design of mechanical, plumbing and electrical disciplines contained herein, generally indicated in bold type.



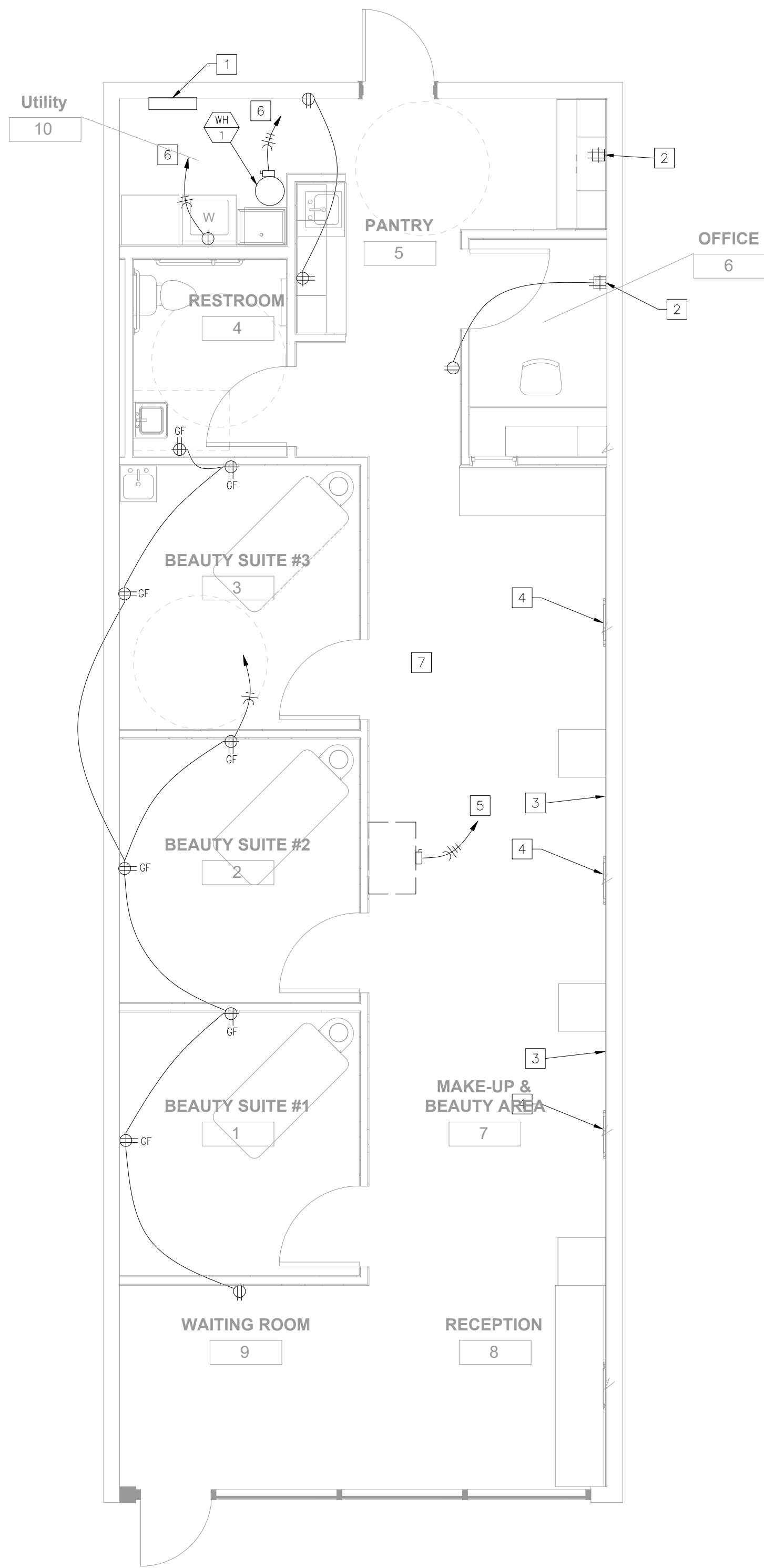
BEAUTY LOFT
818 SW BLUE PARKWAY
LEE'S SUMMIT, MO



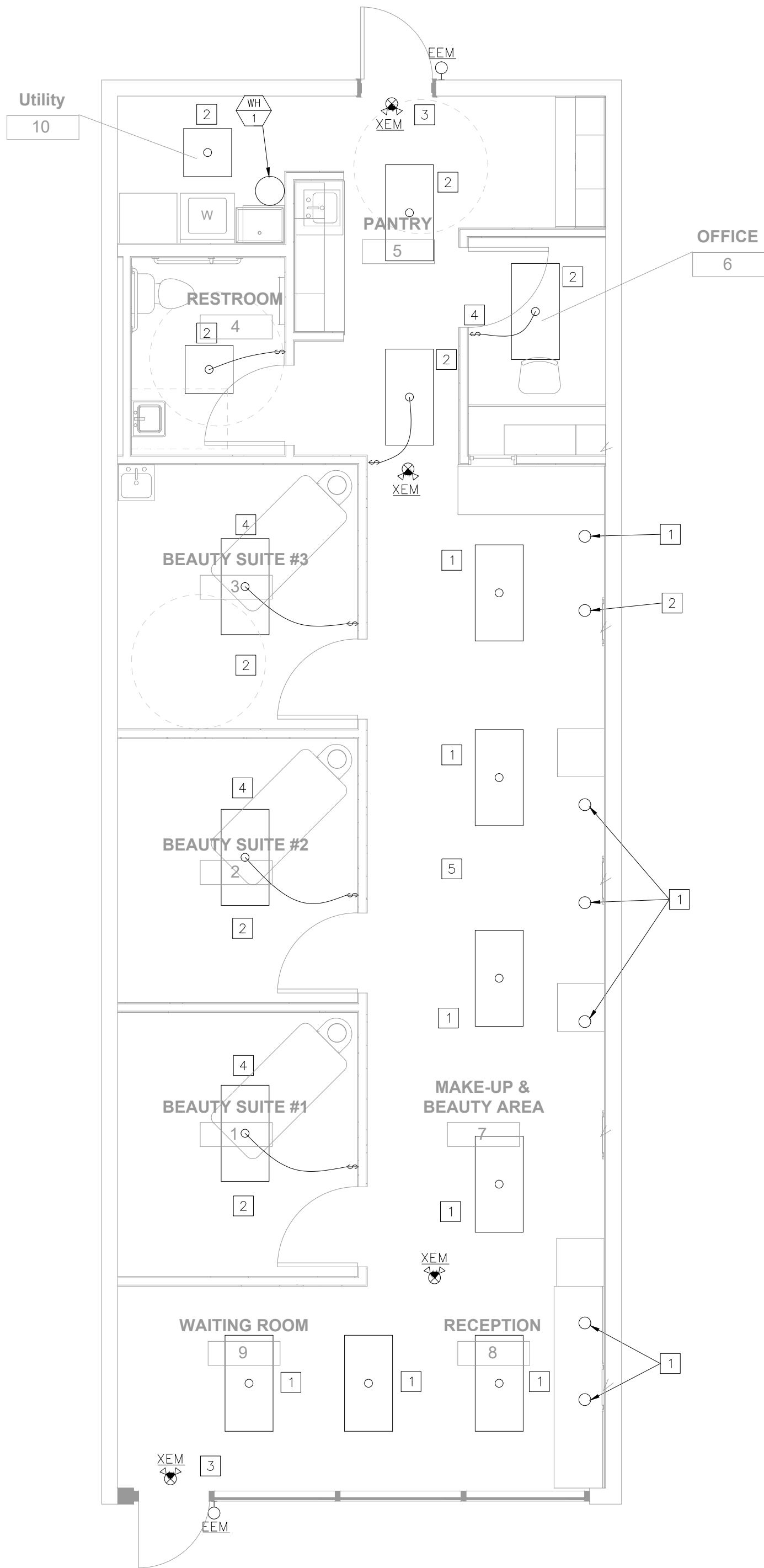
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Project number:	24-019
Drawn:	JEE/MKS/GPG
Date:	2024/02/09
Sheet Number:	

M200

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POWER PLAN
1/4" = 1'-0"



LIGHTING PLAN
1/4" = 1'-0"

POWER PLAN NOTES #

1. EXISTING 150-A, 208 V, 3ø, 24 SPACE LOAD CENTER.
2. EXISTING 4-PLEX SHALL REMAIN. RELOCATE IF DIRECTED BY THE OWNER.
3. OUTLETS INSTALLED ON THIS WALL SHALL REMAIN AS CURRENTLY INSTALLED.
4. PROVIDE POWER FOR LIGHTED MIRROR AS DIRECTED BY THE OWNER. SWITCH AS DIRECTED.
5. EXISTING POWER FOR RTU SHALL REMAIN AS CURRENTLY INSTALLED.
6. 3/4" C WITH THREE #10 CU AND ONE #10CUG BACK TO 2-POLE CB OR AT EXISTING PANEL.
7. EXISTING POWER SYSTEMS IN THIS AREA SHALL REMAIN AS CURRENTLY INSTALLED UNLESS OTHERWISE NOTED.

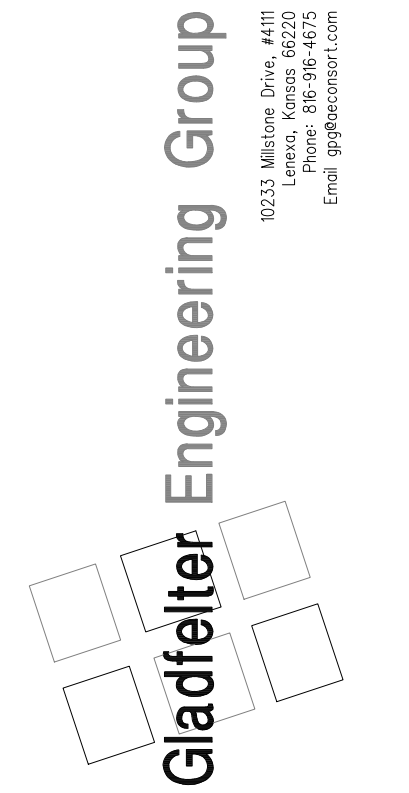
LIGHTING PLAN NOTES #

1. EXISTING LIGHT FIXTURES TO REMAIN AS CURRENTLY INSTALLED.
2. RELOCATED LIGHT FIXTURE.
3. EXISTING EXIT SIGNS WITH EMERGENCY LIGHT. REPLACE WITH FIXTURE THAT WILL SUPPORT OPERATION OF EXTERIOR EMERGENCY LIGHT FIXTURE.
4. INSTALL SWITCH TO CONTROL LIGHT FIXTURE.
5. EXISTING LIGHTING IN THIS AREA SHALL REMAIN AS CURRENTLY INSTALLED UNLESS OTHERWISE NOTED.

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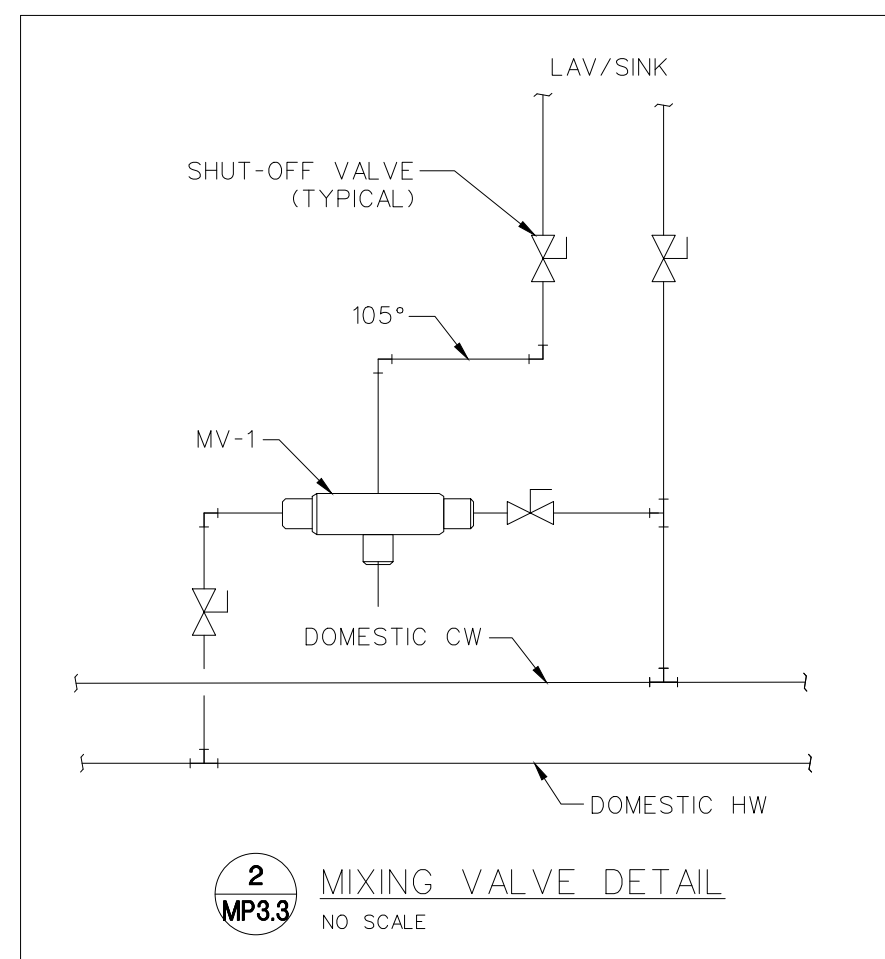
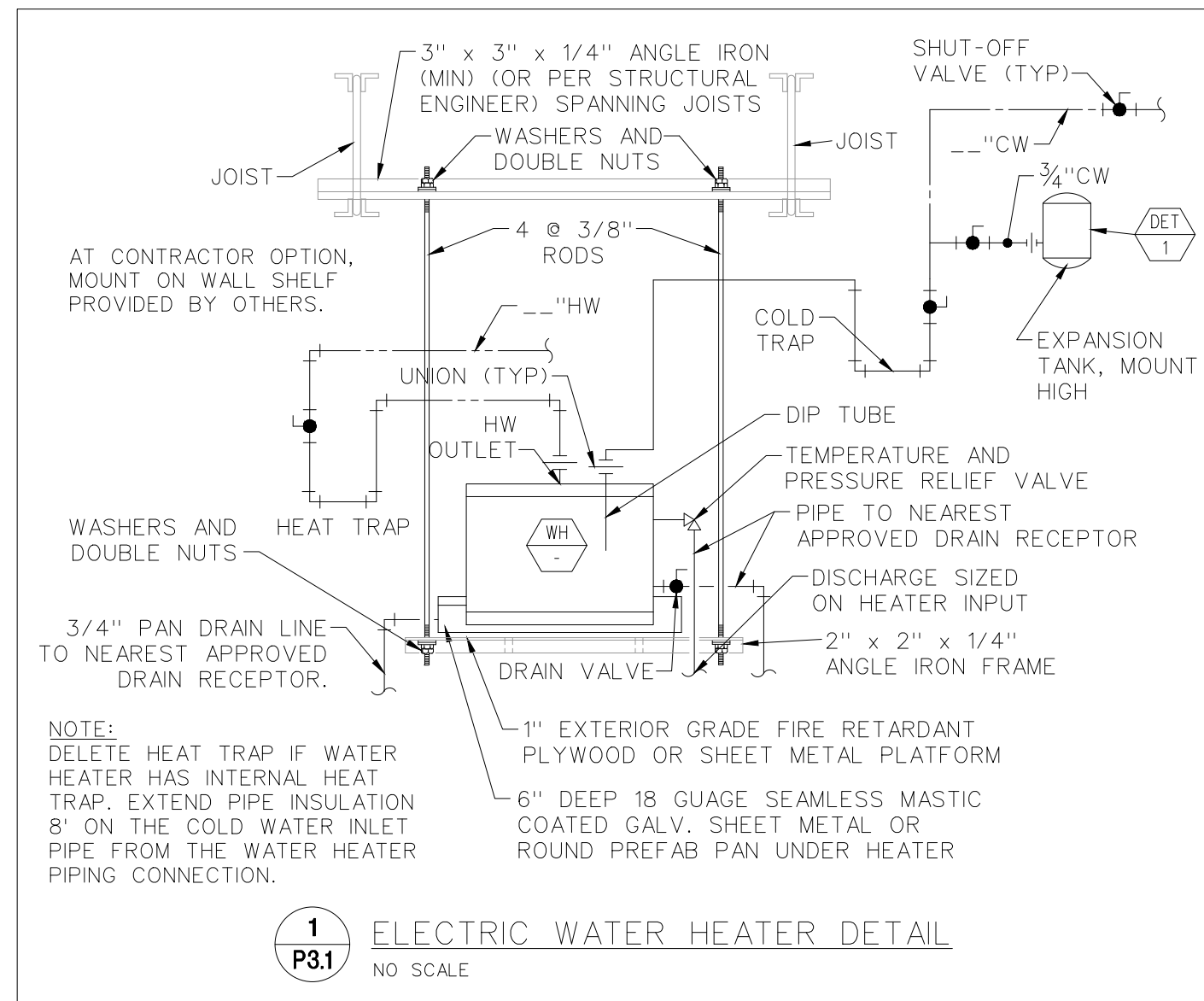


BEAUTY LOFT
818 SW BLUE PARKWAY
LEE'S SUMMIT, MO



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FIXTURE BRANCH SCHEDULE

FIXTURE	WASTE	VENT	COLD	HOT
Water Closet (ft)	4"	2"	½"	---
Water Closet (fv)	4"	2"	---	---
	2"	1 ½"	3/4"	---
Lavatory	1 ½"	1"	½"	½"
Sink	2"	1 ½"	½"	½"
Triple Sink	2"	1"	(2) ½"	(2) ½"
Shower, Tub	2"	1 ½"	½"	---
Water Fountain	1 ½"	1 ½"	½"	---
Janitor Sink (fir)	3"	2"	3/4"	3/4"
Janitor Sink (wall)	2"	1 ½"	½"	---
Floor Drain	2"	1 ½"	---	---
Floor Sink	3"	2"	---	---
Expt Floor Drain	3"	2"	---	---
Drain	2"	1 ½"	---	---
Dishwasher	2"	1 ½"	---	½"
Washer Box	2"	1 ½"	½"	½"
Ice Maker	---	---	½"	---
FPWH, HB	---	---	3/4"	---

1. Minimum waste or vent size below slab on grade shall be 2".
2. Size as shown on drawings and diagrams, but not less than listed.

WATER HAMMER ARRESTOR SCHEDULE

MARK NO.	MANUFACTURER	MODEL NO.	POI UNIT RATING	FIXTURE UNIT CAPACITY	REMARKS
AA	SIoux CHIEF	660 SERIES	AA	4 (SINGLE FIXT)	X
A	SIoux CHIEF	652	A	1 - 11	X
B	SIoux CHIEF	653	B	12 - 32	X
C	SIoux CHIEF	654	C	33 - 60	X
D	SIoux CHIEF	655	D	61 - 113	X
X	X	X	X	X	X

NOTES:

1. INSTALL IN AN ACCESSIBLE LOCATION IN ACCORDANCE WITH THE PLUMBING CODE.

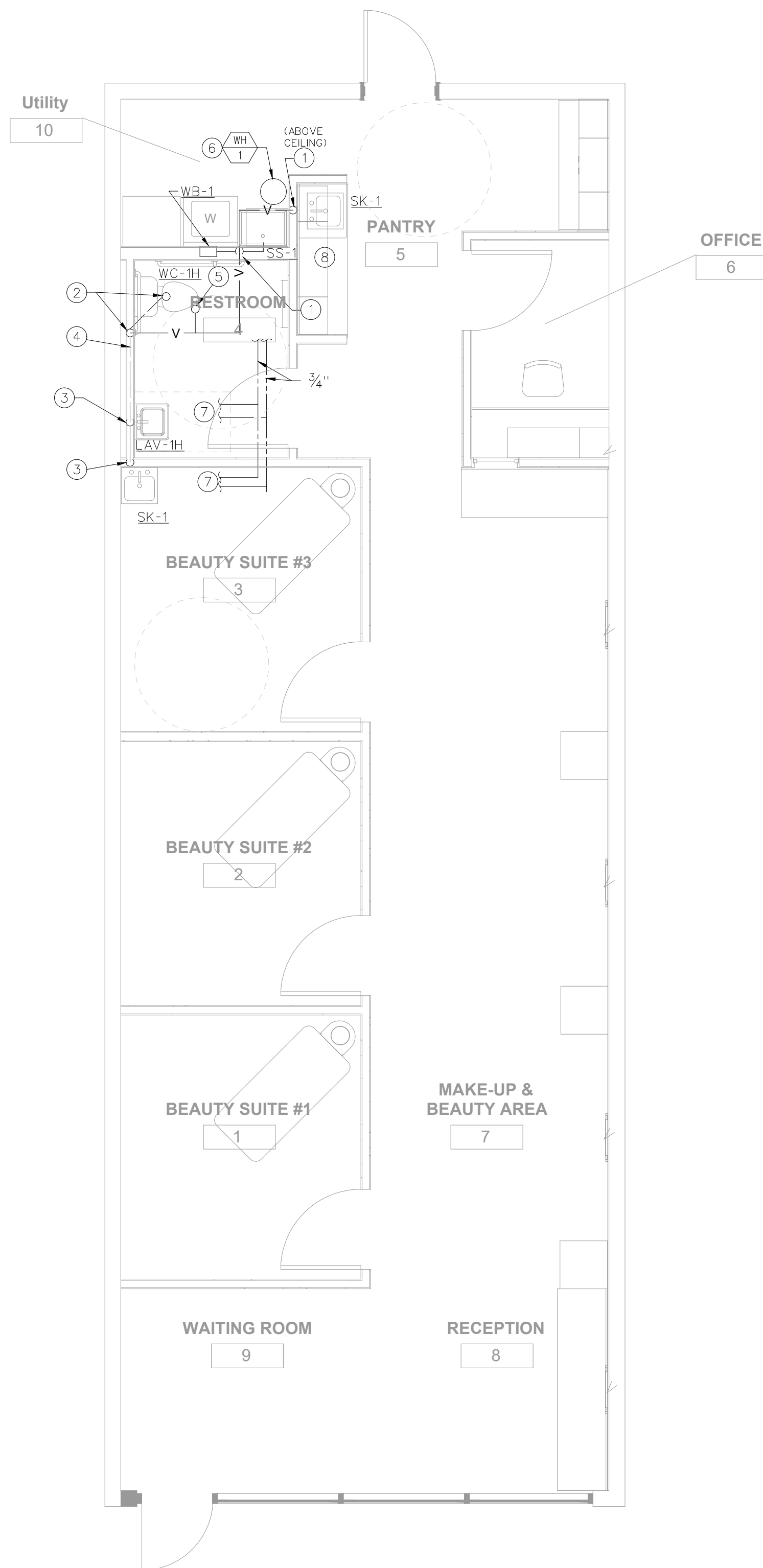
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NOTES:

1. PROVIDE WITH ASME RATED P&T VALVE, DRAIN VALVE WITH HOSE THREAD OUTLET AND STAND AND/OR DRAIN PAN WHERE INDICATED.

PLUMBING FIXTURE SCHEDULE

- INSTALL PLUMBING FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S DRAWINGS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WATER-CONSERVING FIXTURES AND APPLIANCES, AS REQUIRED BY LOCAL AUTHORITIES. CONFIRM ALL LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS. CAULK FIXTURES TO WALLS/FLOORS. SET COUNTER MOUNTED SINKS AND LAVATORIES IN A BED OF CAULK. THE SPECIFIED PLUMBING FIXTURES, OR APPROVED EQUALS, SHALL BE USED UNLESS OTHERWISE NOTED OR INDICATED.
- B. WATER CLOSET (WC-H), TOTO #C5C744SL01, FLOOR-MOUNTED, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-17.1 AND ADA BARRIER-FREE REQUIREMENTS, 17" HIGH, 1.6-GALLON FLUSH, CLOSE-COUPLED TANK DESIGN WITH ELONGATED BOWL AND SIPHON JET ACTION. ANK, P-TRAP AND CLEANOUT WITH CHINA WITH CROWN, 3/8" FLEXIBLE RISER WITH LOOSE KEY ANGLE STOP VALVE, CHROME-PLATED BRASS TRIP LEVER AND MANUFACTURER'S BOLT CAPS. PROVIDE BENKE #527 WHITE ELONGATED OPEN FRONT SEAT LESS COVER, PERMA BUMPER.
- C. LAVATORY (LAV-H), TOTO #LT307.4 (20"X18"), WALL-HUNG TYPE, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-17.1 AND ADA BARRIER-FREE REQUIREMENTS. LAVATORY SHALL HAVE 4-INCH FAUCET CENTERS AND DRILLED FOR CONCEALED ARM CARRIER. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CASH "B" TRAP W/CLEANOUT P-TRAP AND CLEANOUT P-TRAP. PROVIDE DELTA #523-WFOGHD HEAVY DUTY SINGLE LEVER FAUCET, 4-INCH CENTERS, VANDAL-RESISTANT 2.2 GPM AERATOR, PERFORATED OFFSET GRID DRAIN (W/ 1-1/4" TAILPIECE) AND VANDAL-RESISTANT SINGLE LEVER HANDLE. PROVIDE WITH J.R. SMITH CARRIER (TO MATCH WALL TYPE). MOUNT AT ANK AND ANK MAIN DRAIN. PROVIDE RANGES UNDER LAVATORY AS REQUIRED BY ADA REGULATIONS. INSULATE WASTE AND HOT WATER SUPPLY UNDER LAVATORY WITH UNDERSINK PROTECTIVE PIPE COVER, MOLDED, ANTIMICROBIAL, WITH FLUSH REUSABLE FASTENERS, TRUEBRO LA GUARD.
- D. SERVICE SINK (SS-1), FIAT MOLDED #SF-1 FLOOR MOUNTED LAUNDRY TUB, MANUFACTURED FROM MOLDED STRUCTURAL PLASTIC POLYMER WITH INTEGRALLY MOLDED DRAIN, 4" FAUCET LEGGE, 20"x24"x14" BOWL, DRILLED FOR 4" CENTERSET FAUCET. PROVIDE WITH DECK MOUNTED FAUCET AS RECOMMENDED BY THE MANUFACTURER.
- E. SINK (SK-1), JUST #SL-221T-4 GR, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING, UNDERSIDE FULLY UNDERCOATED WITH THIN DAMPENING MATERIAL, 3 HOLE PUNCH, NOMINAL DIMENSIONS OF 22"x17"x7-1/2" DEEP. PROVIDE WITH DELTA COMMERCIAL #277293A HEAVY DUTY DECKMOUNT SINK FAUCET, 6% RIGID/SWIVEL BOOSENET SPACER, 8" CENTERS, 2.0 GPM VANDAL-RESISTANT AERATOR, BASKET SINK DRAIN, 1/2" TAILPIECE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOP. PROVIDE 1-1/2-INCH INLET 2-INCH OUTLET CHROME PLATED CASH "B" TRAP W/CLEANOUT PLUG, ESCUTCHEON W/SET SCREW AND 4" VANDAL-RESISTANT WRIST BLADE HANDLES. DISPOSAL WITH CONTINUOUS FEED, SINGLE DIRECTION, 1/2 HP MOTOR, CORROSION PROTECTION SHIELD, SS GRINDING ELEMENTS AND PLUG IN POWER CORD, JUST J-35 DRAIN
- F. WASHING MACHINE WALL BOX (WB-1), GUY GRAY MANUFACTURING #WB-200, RECESSED WALL MOUNTED, 16 GA. STEEL CONSTRUCTION WITH CORROSION RESISTANT EPOXY FINISH, 1/2" CW AND HW SUPPLIES WITH DRAIN CLOSING BRASS QUARTER TURN SHUT OFF HOSE BIBBS AND 2" DRAIN PIPE. MOUNT BOX 36" AFF.
- G. FINISHED FLOOR CLEANOUTS: (FFCO) WADE #6000-1-2-S CAST IRON FLOOR CLEANOUT WITH FLANGE, PLASTIC TAPERED PLUG AND SQUARE NICKEL BRONZE ADJUSTABLE TOP. PROVIDE WITH CARPET CLEANOUT MOUNT WHEN CLEANOUT IS LOCATED BELOW CARPET. COORDINATE WITH ARCHITECTURAL PLANS.
- H. FINISHED FLOOR CLEANOUTS: (FWCO) WADE #8560, W/ 8304-85-6 CAST IRON CLEANOUT TEE WITH BRASS PLUG AND 6" ROUND STAINLESS STEEL COVER. PROVIDE WITH CARPET CLEANOUT MOUNT WHEN CAST IRON WALL CLEANOUT TEE WITH COUNTERSUNK PLUG. DELETE COVER PLATE IF CLEANOUT IS IN EXPOSED LOCATION.
- I. ALL FIXTURES USED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ETC.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F).



PLUMBING FLOOR PLAN

$$1/4'' = 1'-0''$$
[illegible]

NOTES:

1. PROVIDE POLYPROPYLENE LINED BLADDER TYPE EXPANSION TANK WITH BUTYL RUBBER DIAPHRAGM, AIR CHARGE & SYSTEM CONNECTION FITTING, MOUNING HARDWARE.

PLUMBING PLAN NOTES (#):

1. 2" W DOWN, 1-1/2" V UP TO ABOVE CEILING.
2. EXISTING WASTER CLOSET SHALL REMAIN. RECONFIGURE 2" V PIPING TO WALL AND UP TO ABOVE CEILING. MODIFY TO MATCH EXISTING CONDITIONS.
3. 2" W DOWN, 1-1/2" V UP AND OVER TO 2" V FROM WATER CLOSET.
4. EXTEND 2" W IN STUB WALL AND DROP TO BELOW FLOOR NEAR WATER CLOSET.
5. CONNECT NEW PLUMBING VENTS TO EXISTING 2" VTR.
6. SEE "ELECTRIC WATER HEATER DETAIL", THIS SHEET.
7. EXTEND 1/2" CW AND HW TO SINK OR LAVATORY.
8. EXTEND 1/2" CW AND HW TO WB-1, SS-1 AND SK-1.

PLUMBING GENERAL NOTES

- A) ALL FIXTURES DESIGNED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ETC.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F).
- B) SEE "PLUMBING RISER DIAGRAM", SHEET MP300, FOR PIPING NOT SHOWN ON THE PLANS.
- C) CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. FIELD VERIFY LOCATION OF EXISTING UTILITIES.



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