Beauty Loft

818 SW Blue Pkwy, Lee Summit, MO

Permit Drawings - Tenant Improvement

02.07.2024

DEZINES INC

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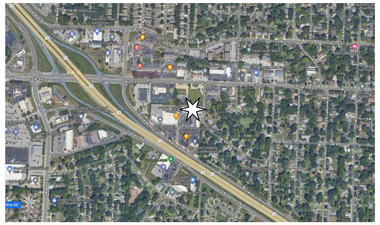
LEGEND OF MATERIALS

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

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

AREA MAP



SITE LOCATION MAP

LIST OF ABBREVIATIONS

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

(NOT ALL ABBREVIATIONS USED IN THIS PROJECT)

INDEX OF SHEETS

G1 - SHEET INDEX

MEP

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STATE OF MISSOURI
TODD J. WETHERILT
NUMBER A-2005011871
ARCHITECT
2-7-24

Beauty Loft

Gisela Gaxiola

818 SW Blue Pkwy, Lee Summit, MO

#	Revisions:

Project #: Project Number

Permit Drawings - Tenant Improvement
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GENERAL INFORMATION

A001

CODE REVIEW

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.

PROJECT INFORMATION SUMMARY :

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

APPLICABLE CODES :

BUILDING CODE:	INTERNATIONAL BUILDING CODE	2018 EDITION
MECHANICAL CODE:	INTERNATIONAL MECHANICAL 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

FIRE-RESISTANCE - BUILDING ELEMENTS (TABLE 601) :

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

FLOOR AREA ALLOWANCES PER OCCUPANT (TABLE 1004.5) :

NAME	AREA	OCCUPANT LOAD	PER RM. CALCULATED OCC.
B BUSINESS	1,1800 S.F	150 SF / OCC	8
TOTAL OCCUPANT LOAD			**8**

EGRESS WIDTH REQUIREMENTS (SECTION 1005) :

OTHER MEANS OF EGRESS: 0.2 INCH PER OCCUPANT = (0.2) X 14(OCC) = 2.8"
ACTUAL EGRESS WIDTH PROVIDED FIRST FLOOR = 68" PROVIDED

NUMBER OF EXITS PER SPACE (SECTION 1006.3.2) :

EXITS REQUIRED: 1 TO 500 OCCUPANTS — 2 EXITS REQUIRED

ACTUAL EXITS PROVIDED	OCCUPANT LOAD (FOR EXITING)
2 EXITS	14 OCCUPANTS

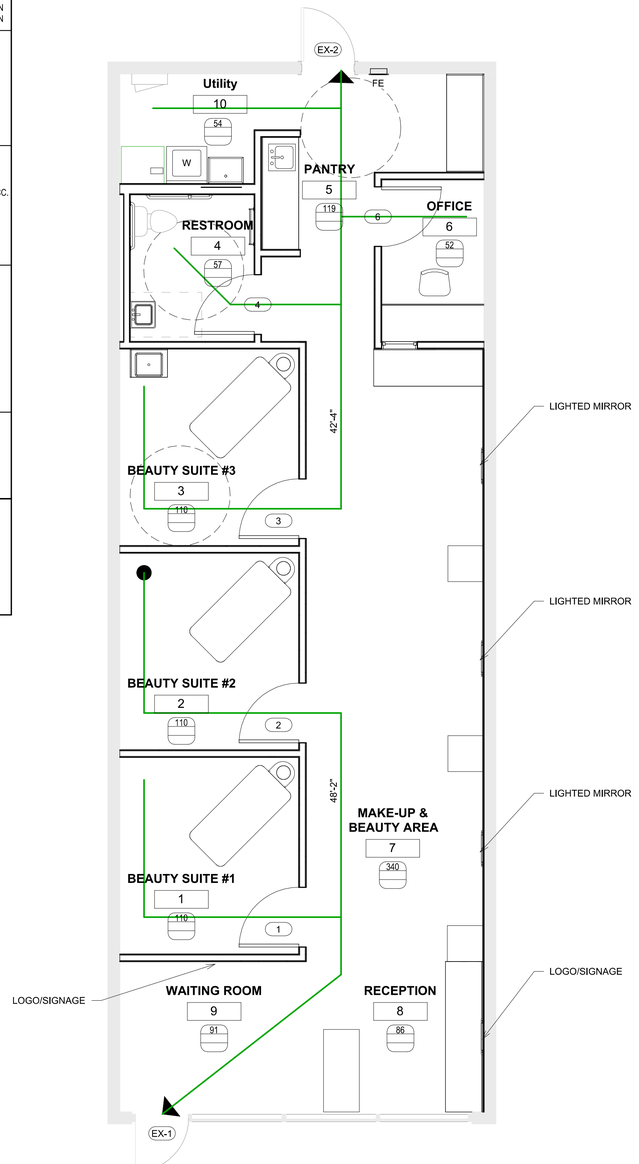
EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2) :

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



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

LEGEND

- X'-X" — ACTUAL TRAVEL DISTANCE
- → — DIRECTION OF TRAVEL
- XX — DIRECTION OF OCCUPANT FLOW THROUGH ELEMENT
- XX — NUMBER OF OCCUPANTS ADVANCING
- AREA TAG: 000 / 000 / 000 — ROOM / SPACE AREA (SQ. FT.); OCCUPANT LOAD FACTOR (SQ. FT. / PERSON); NUMBER OF CALCULATED OCCUPANTS
- EXIT TAG: 000 / 000 / 000 — TOTAL NUMBER OF OCCUPANTS EXITING; CAPACITY OF EXIT ELEMENT; EXIT WIDTH (WHOLE INCHES)
- FE — FIRE EXTINGUISHER
- FEC — FIRE EXTINGUISHER IN CABINET

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.

WALL TYPES GENERAL NOTES:

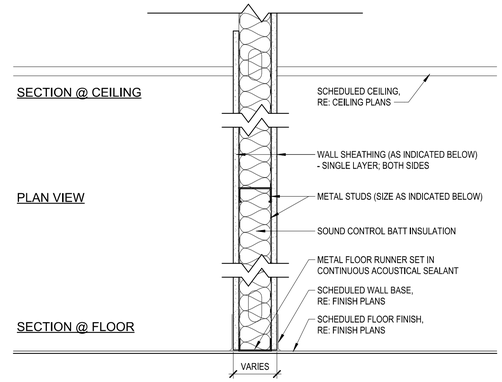
FLOOR:
- ADJUST BASE HEIGHT FOR THICKNESS OF FLOOR FINISH AS REQUIRED

STUDS:
- 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

SHEATHING:
- USG TYPE 'X' GYPSUM WALL BOARD (GWB) TYIPCAL, 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)

INSULATION:
- 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

FIRE RATING:
- PROVIDE FIRE RATED CONSTRUCTION ONLY WHERE INDICATED ON PLANS

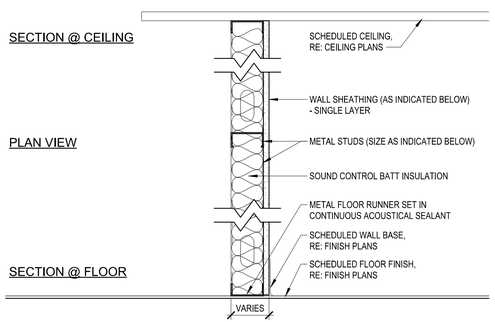


WALL TYPE	STUD SIZE	WALL SHEATHING	WALL THICKNESS	INSULATION TYPE
K2	6"	5/8" GWB	7 1/4"	SOUND BATTS, FSK BATTS

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

3 Wall Type 'K'
1 1/2" = 1'-0"

SECTION @ STRUCTURE

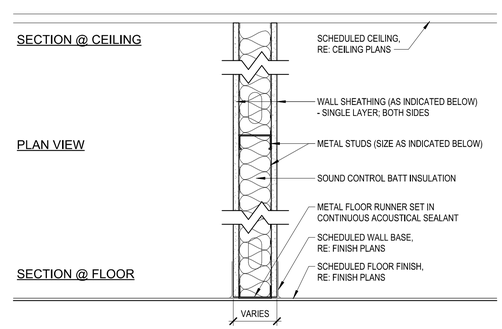


WALL TYPE	STUD SIZE	WALL SHEATHING	WALL THICKNESS	INSULATION TYPE
C4	3 5/8"	5/8" GWB	4 1/4"	SOUND BATTS

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

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

SECTION @ STRUCTURE



WALL TYPE	STUD SIZE	WALL SHEATHING	WALL THICKNESS	INSULATION TYPE
A1	3 5/8"	5/8" GWB	4 7/8"	SOUND BATTS

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

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

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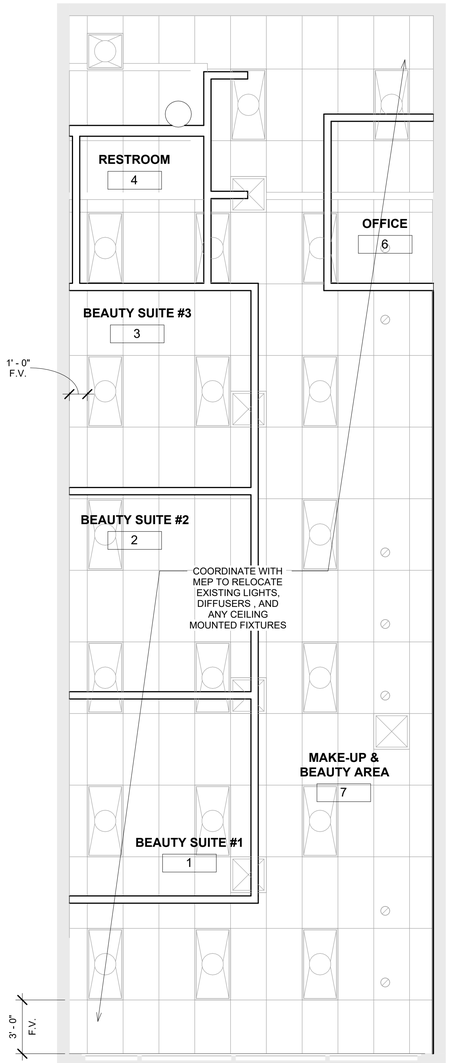
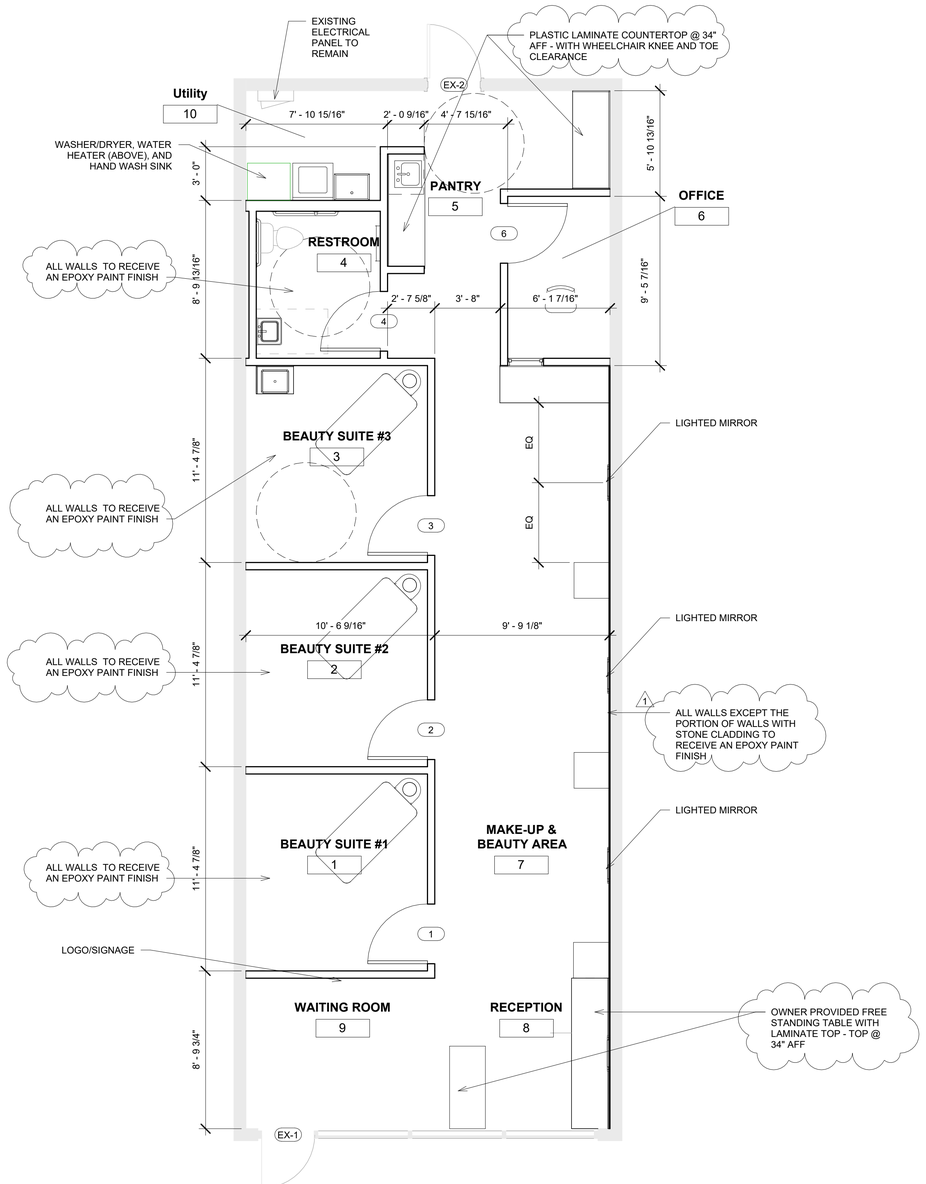
02.07.2024

LIFE SAFETY PLAN & WALL TYPES

A002



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



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

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STATE OF MISSOURI
TODD J. WETHERILT
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Beauty Loft

Gisela Gaxiola

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#	Revisions:	
1	Revision 1	03/06/2024

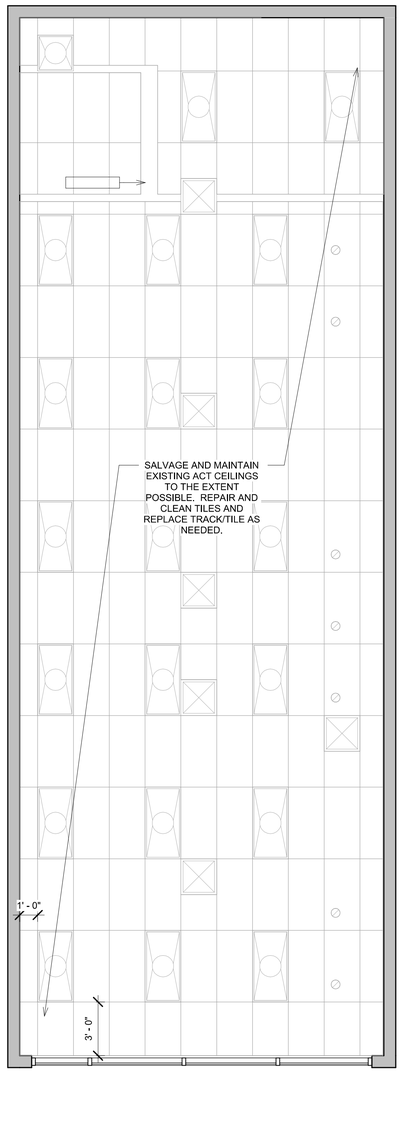
Project #: Project Number

BID/PERMIT DRAWINGS

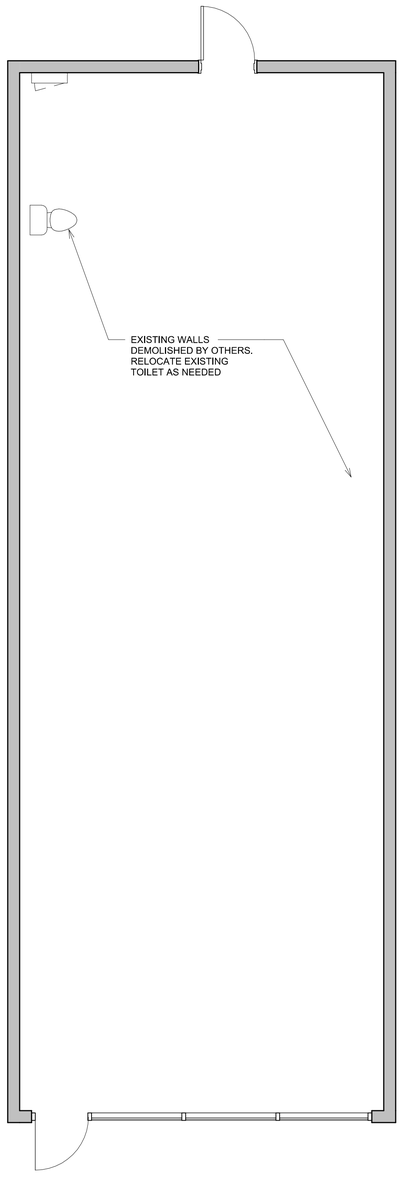
03/06/2024

NEW WORK FLOOR PLAN/REFLECTED CEILING PLAN

A1.01



2 Demo Ceiling Plan
1/4" = 1'-0"



1 Demo Plan - Level 1
1/4" = 1'-0"

DEMOLITION LEGEND

EXISTING PARTITION TO BE REMOVED. INCLUDING BASE, DOORS, WINDOWS, OUTLETS, SWITCHES, CHALK/TACK 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.

EXISTING DOOR AND FRAME TO BE REMOVED UNLESS OTHERWISE NOTED.

EXISTING ITEM TO BE REMOVED AS NOTED.

EXISTING WALL / PARTITION TO REMAIN.

EXISTING DOOR AND FRAME TO REMAIN.

DEMOLITION LEGEND

DEMOLITION GENERAL NOTES

A. BIDDERS TO VISIT SITE AND BE FAMILIAR WITH EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO EXISTING DIMENSIONS, EQUIPMENT, LOCATIONS, SIZES, QUANTITIES, AND MATERIALS.

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.

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.

D. CONTRACTOR WILL COORDINATE EXACT SIZES AND LOCATIONS FOR MECHANICAL, PLUMBING, AND ELECTRICAL PENETRATIONS REQUIRED FOR NEW WORK WITH EACH RESPECTIVE TRADE.

E. CONTRACTOR WILL KEEP OPENINGS TO THE EXTERIOR TEMPORARILY COVERED FOR PROTECTION FROM WATER.

F. CONTRACTOR WILL KEEP OPENINGS TEMPORARILY COVERED FOR PEDESTRIAN SAFETY.

G. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY SHORING AND BRACING REQUIRED FOR DEMOLITION.

H. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING SHEETS FOR ADDITIONAL PENETRATIONS AND OTHER RELATED DEMOLITION OR EQUIPMENT REMOVAL.

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.

J. EXISTING CONSTRUCTION ADJACENT TO DEMOLITION WORK WILL BE PATCHED AND REPAIRED TO MATCH ORIGINAL CONDITION.

K. DEMOLITION WORK TIMES WILL BE COORDINATED WITH THE SCHOOL DISTRICT REPRESENTATIVE ASSIGNED TO THIS SPECIFIC PROJECT.

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.

M. CONTRACTOR WILL MAINTAIN SITE FRAINAGE DEVICES AND COMPONENTS DURING THE COURSE OF DEMOLITION AND UP UNTIL NEW WORK IS IN PLACE. THIS INCLUDES EXISTING SUB-SOIL DRAINAGE.

N. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

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.

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.

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.

R. DEMOLITION WILL FOLLOW THE CONSTRUCTION SCHEDULE PROVIDED IN THE SPECIFICATIONS.

S. PRECAUTIONS WILL BE TAKEN TO SEPARATE STUDENTS AND SCHOOL STAFF FROM DEMOLITION AND TO PROECT THEIR HEALTH AND SAFETY.

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 SILLS, OTHER PROJECTIONS, AND ROOF FLASHINGS, GUTTERS, AND TRIMS. REFER TO WALL SECTIONS FOR SPECIFIC CONDITIONS.

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.

V. OWNER RESERVES FIRST RIGHT TO RETAIN AND KEEP ANY EXISTING ITEMS REMOVED AS A PART OF THE DEMOLITION WORK.

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.

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.

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STATE OF MISSOURI
TODD J. WETHEFILT
NUMBER A-2005011871
ARCHITECT
2-7-24

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

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 POLYETHELYNE (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 WTIH 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

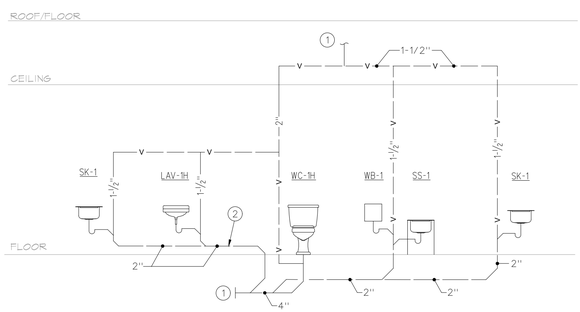
1. CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL WORK WITH BUILDING REPRESENTATIVE AND GENERAL CONTRACTOR.
2. INSTALLATION SHALL COMPLY WITH LATEST EDITION OF N.E.C. AND LOCAL AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN MUNICIPALITY 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).
—V—	PLUMBING VENT ABOVE FLOOR (V).
—SAN—	SANITARY WASTE ABOVE FLOOR (W).
— — —	SANITARY WASTE BELOW FLOOR (W).
—NG—	GAS (NATURAL) (NG).
	ELBOW DOWN.
	ELBOW UP.
	TEE DOWN.
	TEE UP.
	CAP.
	PIPE UNION.
	1/4 TURN SHUT-OFF VALVE.
	CHECK VALVE.
	PUMP
VTR	VENT THRU ROOF (VTR).
ETR	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.
J	WALL MOUNTED JUNCTION BOX.
J	CEILING MOUNTED JUNCTION BOX.
	PANELBOARD (SURFACE MOUNTED). INSTALL W/TOP 6'-0" AFF.
	DISCONNECT SWITCH. SIZED AS NOTED.
	DISCONNECT SWITCH FURNISHED WITH EQUIPMENT.
$	SINGLE POLE SWITCH. +3'-10" AFF.
	DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED.
	DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.
WP	DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE. HEIGHT AS NOTED.
GF	DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION. +1'-6" AFF OR AS NOTED.
	FOURLEX 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.
+3'-10"	HEIGHT TO CENTERLINE OF OUTLET BOX ABOVE FINISHED FLOOR.
WH-1	ELECTRIC WATER HEATER AND NUMBER.
EF-1	EXHAUST FAN AND NUMBER.
CU-1	CONDENSING UNIT AND NUMBER.
F-1	FURNACE AND NUMBER.
AFF	ABOVE FINISH FLOOR.
ETR	EXISTING TO REMAIN.
ER	EXISTING RELOCATED.
EC	ELECTRICAL CONTRACTOR.
EGC	EQUIPMENT GROUNDING CONDUCTOR.
GEC	GROUNDING ELECTRODE CONDUCTOR.
MBJ	MAIN BONDING JUMPER.



PLUMBING RISER DIAGRAM

NO SCALE

RISER DIAGRAM NOTES

1. SEE THE PLUMBING PLAN FOR CONTINUATION.
2. PIPING IN STUB-WALL.

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Project number: 24-019
Drawn: JEE/MKS/GPG
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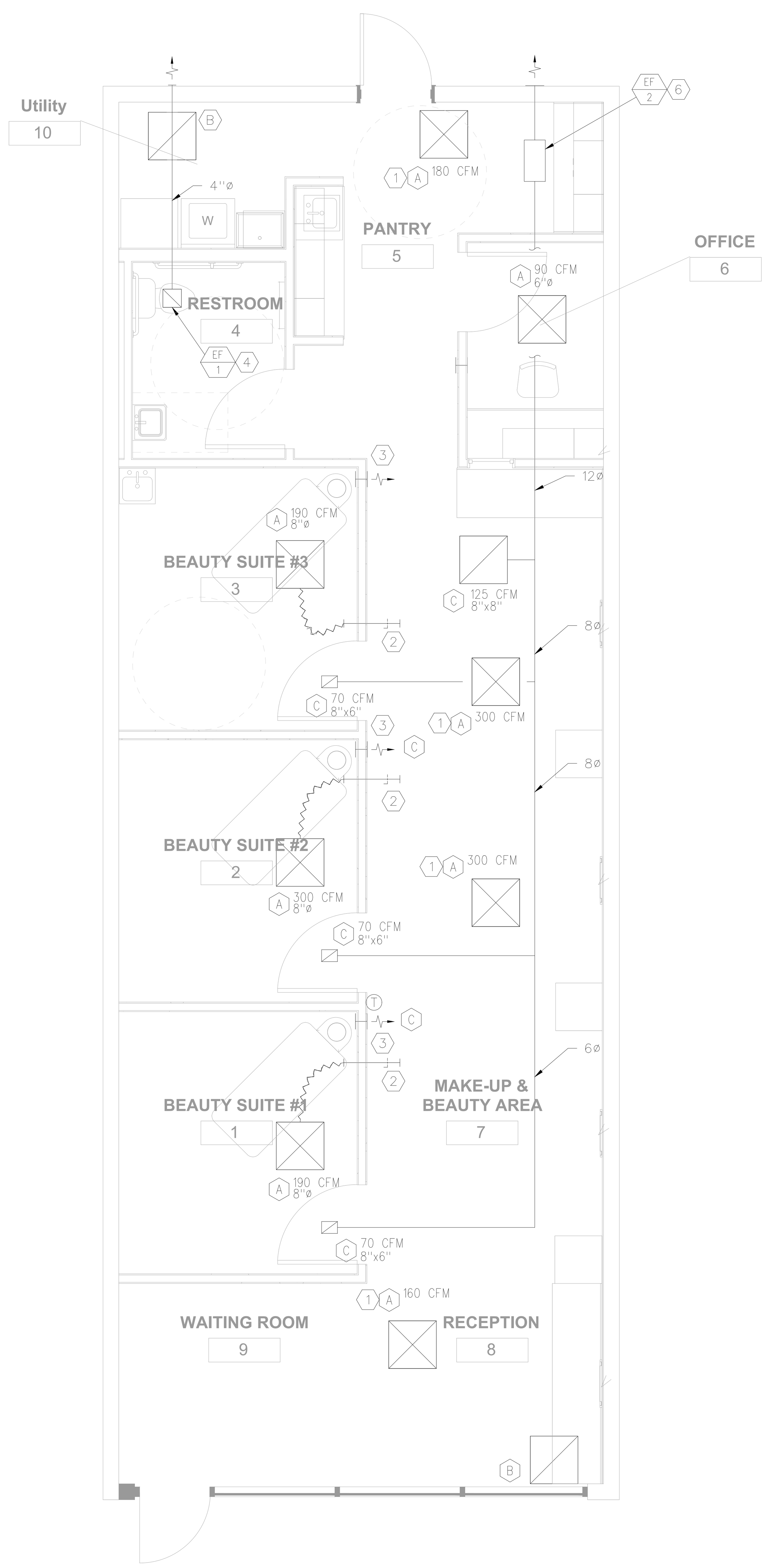


MECHANICAL FLOOR PLAN

1/4" = 1'-0"

NORTH

MECHANICAL PLAN NOTES (#):

1. RELOCATE EXISTING CEILING DIFFUSER AND BALANCE TO CFM INDICATED.
2. INSTALL SPIN COLLAR, ROUND METAL DUCT, FLEX DUCT AND CEILING DIFFUSER TO SERVE BEAUTY SUITE OR OFFICE.
3. HI-LOW 14"x8" RETURN GRILLES ON EITHER SIDE OF WALL UTILIZING STUD SPACE AS A RA PATH.
4. EXHAUST FAN IS EXISTING TO REMAIN. EXTEND 4" EXHAUST DUCT TO REAR EXTERIOR WALL AND INSTALL WEATHERPROOF WALL OUTLET.
5. SPACE SERVED FROM AN EXISTING 4-TON ROOFTOP UNIT.
6. 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:

1. SEE THE PLANS FOR NECK SIZE.
2. COLOR PER ARCHITECT.
3. PROVIDE DAMPER AT DUCT TAKE-OFF EXCEPT PROVIDE GRILLE MOUNTED DAMPER WHERE OUTLET IS ABOVE INACCESSIBLE CEILING.
4. 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

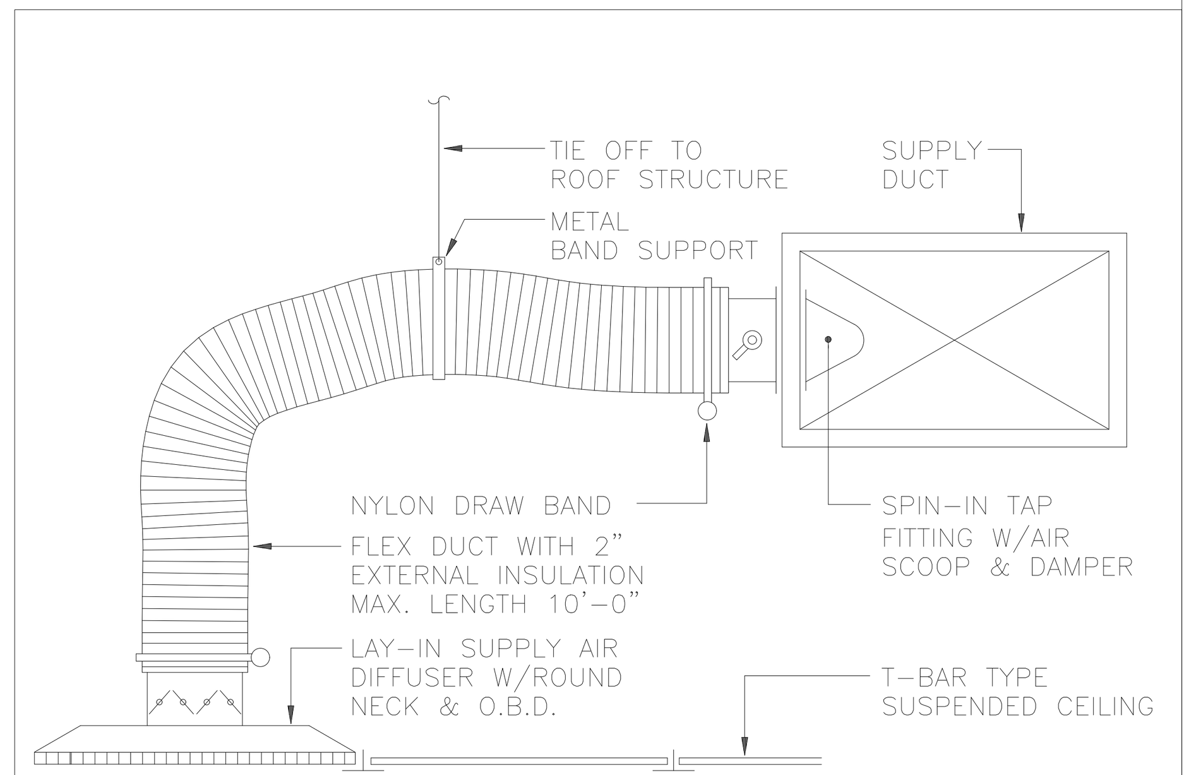
NOTES:

1. 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.
2. 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)

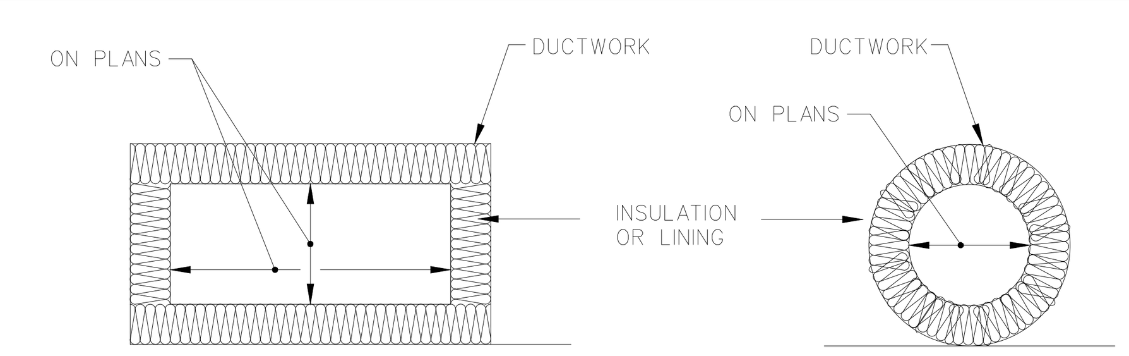
SYSTEM	SPACE	AREA (SQUARE FEET)	CALCULATED OCCUPANT TOTAL (Pz)	VENTILATION RATE (CFM/PERS) (Rp)	AREA OUTDOOR AIRFLOW IN BREATHING ZONE (Ra) CFM/SF	SPACE OUTDOOR AIRFLOW IN BREATHING ZONE Vbz=RpPz+RaAz CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) COOLING/HEATING (NOTE 1)	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez) COOLING	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez) HEATING	ZONE OUTDOOR AIR SETPOINT (CFM)	EXHAUST REQUIRED (CFM) (NOTE 5)	REMARKS
RTU-1	OFFICE	52	1	5	0.06	8.12	1.0/0.8	8.12	10.15	11		
(4-TON)	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**	

1. 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.
2. CALCULATION DONE IN ACCORDANCE WITH 2018 IMC, CHAPTER 4.
3. VENTILATION AIR PROVIDED BY DIRECT CONNECTION TO THE OUTDOORS IN ACCORDANCE WITH SECTION 401, 2018 IMC.
4. BATHROOM MINIMUM EXHAUST AIR PROVIDED AT MINIMUM 70 CFM PER FIXTURE IN ACCORDANCE WITH CHAPTER 4, 2018 IMC.
5. SPACE EXHAUST REQUIRED AT THE INDICATED RATE.



1 / M200 SUPPLY AIR DIFFUSER DETAIL

NO SCALE



DUCT INSULATION SCHEDULE	INTERNAL INSULATION			EXTERNAL INSULATION			NOTES
	1/2"	1"	OTHER	1"	2"	OTHER	
LOW VELOCITY DUCTS:							
RETURN DUCTS		o					1
SUPPLY DUCTS (RECT.)		o					
SUPPLY DUCTS (ROUND)					o		3,4
EXHAUST DUCTS	o			o			2
OUTSIDE AIR DUCTS				o			
RELIEF DUCTS	o						1
MEDIUM/HIGH VELOCITY DUCTS:							
ROUND SUPPLY				o			
FLAT OVAL SUPPLY				o			

NOTES:

1. INSULATION SHALL BE INSTALLED WHEN INDICATED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. OTHERWISE, NO INSULATION IS REQUIRED.
2. INSULATION IS REQUIRED WITHIN 6'-0" OF TERMINATION POINT OF EXHAUST AIR. RECTANGULAR DUCTS SHALL BE LINED, ROUND DUCTS SHALL BE WRAPPED.
3. CONCEALED ROUND SUPPLY AIR DUCTS AND ROUND SUPPLY AIR DUCTS IN UNCONDITIONED SPACES SHALL BE INSULATED AS INDICATED AND SHALL INCLUDE A VAPOR BARRIER TO PREVENT CONDENSATION FROM FORMING ON COLD METAL SURFACES. NO INSULATION IS REQUIRED FOR ROUND SUPPLY AIR DUCT EXPOSED IN CONDITIONED SPACES UNLESS INDICATED OTHERWISE.
4. AT CONTRACTORS OPTION, GALVANIZED STEEL ROUND DOUBLE WALL DUCT MAY BE USED WHERE ROUND SUPPLY AIR DUCTS ARE REQUIRED TO BE INSULATED. DOUBLE WALL DUCT SHALL BE LINX LINDLAB SPIRO-SAFE SPIRAL LOCKSEAM DUCTWORK. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. AT CONTRACTOR'S OPTION, ROUND DUCT LINER MAY BE USED WHERE ROUND SUPPLY AIR DUCTS ARE REQUIRED TO BE INSULATED. DUCT LINER SHALL BE JOHNS MANVILLE SPIRACOUSTIC PLUS, OR APPROVED EQUAL, 1.5" THICK (R6.4). SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2 / M200 INSULATED OR LINED DUCT DETAIL

NO SCALE

MECHANICAL GENERAL NOTES (RTU)

A) COORDINATE LOCATION OF CEILING DIFFUSERS AND RETURN GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.

B) 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.

C) CONFIRM THAT NO COMBUSTIBLE MATERIALS ARE LOCATED IN CEILING RETURN AIR PLENUMS.

D) ROOF MOUNTED EQUIPMENT SHALL BE LOCATED NO CLOSER THAT 10-0" FROM THE EDGE OF THE ROOF.

E) MAINTAIN 10'-0" SEPARATION FOR OUTSIDE AIR INTAKES AND EXHAUST FAN OUTLETS AND PLUMBING VENTS.

F) 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 OVERIDE 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.
- (T) THERMOSTAT OR TEMPERATURE SENSOR.
- —CD— CONDENSATE DRAIN.
- ELBOW DOWN.
- ELBOW UP.
- SA SUPPLY AIR.
- OA OUTSIDE AIR.
- RA RETURN AIR.
- EA EXHAUST AIR.
- CU CONDENSING UNIT.
- EF EXHAUST FAN.
- RTU 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).

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GREGORY P. GLADFELTER
NUMBER E-2000150421
REGISTERED PROFESSIONAL ENGINEER
02/08/2024

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Date:	Issued for:
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Project number: 24-019

Drawn: JEE/MKS/GPG

Date: 2024/02/09

Sheet Number: M200

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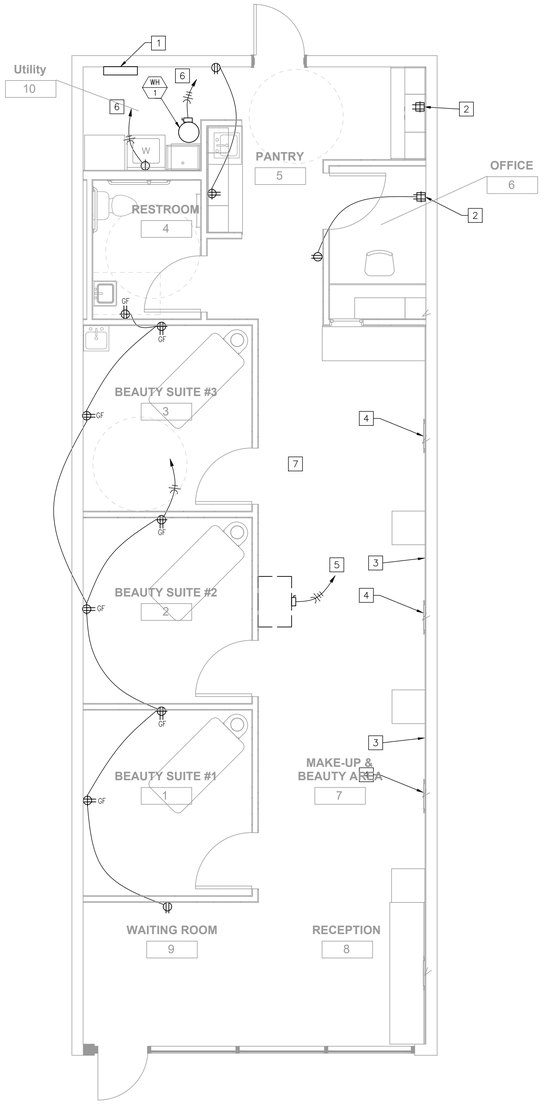
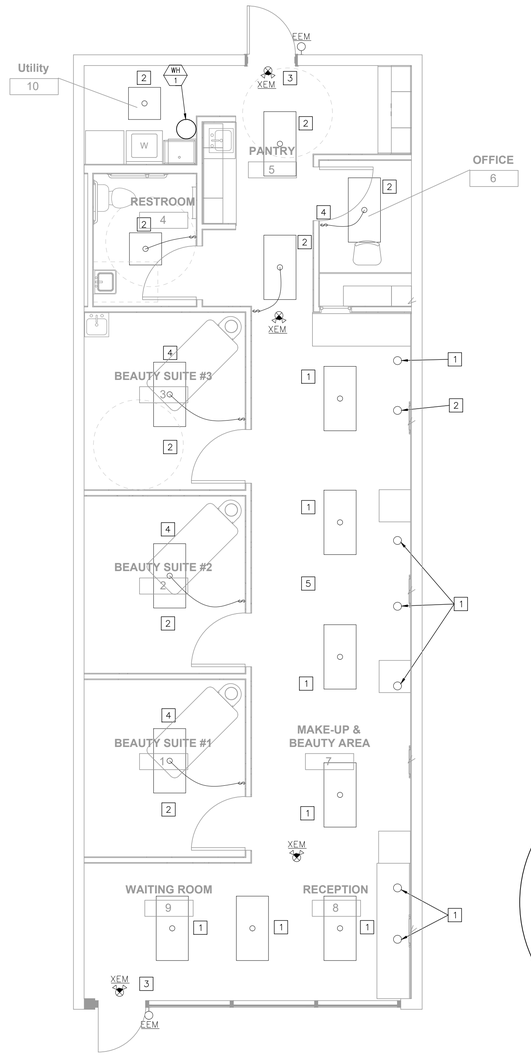


POWER PLAN

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.

ELECTRICAL GENERAL NOTES

A) SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES.

B) COORDINATE NEMA RATING OF APPLIANCE PLUGS WITH THE EQUIPMENT SPECIFICATIONS.

C) ALL RECEPTACLES WITHIN 6' OF WATER BEARING FIXTURES, EXTERIOR OUTLETS AND ALL OUTLETS IN KITCHEN AREAS SHALL BE GFI STYLE OR THE CIRCUIT SERVING THOSE DEVICES SHALL BE PROTECTED BY MEANS OF A GFI CIRCUIT BREAKER.

D) OUTLET AND SWITCH BOXES INSTALLED IN RATED WALLS SHALL BE PROVIDED WITH UL LISTED PUTTY PADS TO PROTECT THE RATING OF THE WALL.

E) CONNECT ALL NIGHT LIGHT, EXIT LIGHT AND EMERGENCY LIGHT FIXTURES TO UNSWITCHED HOT-LEG OF NEAREST 120V LIGHTING CIRCUIT IN SAME AREA.

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02/27/24	1 CITY COMMENTS

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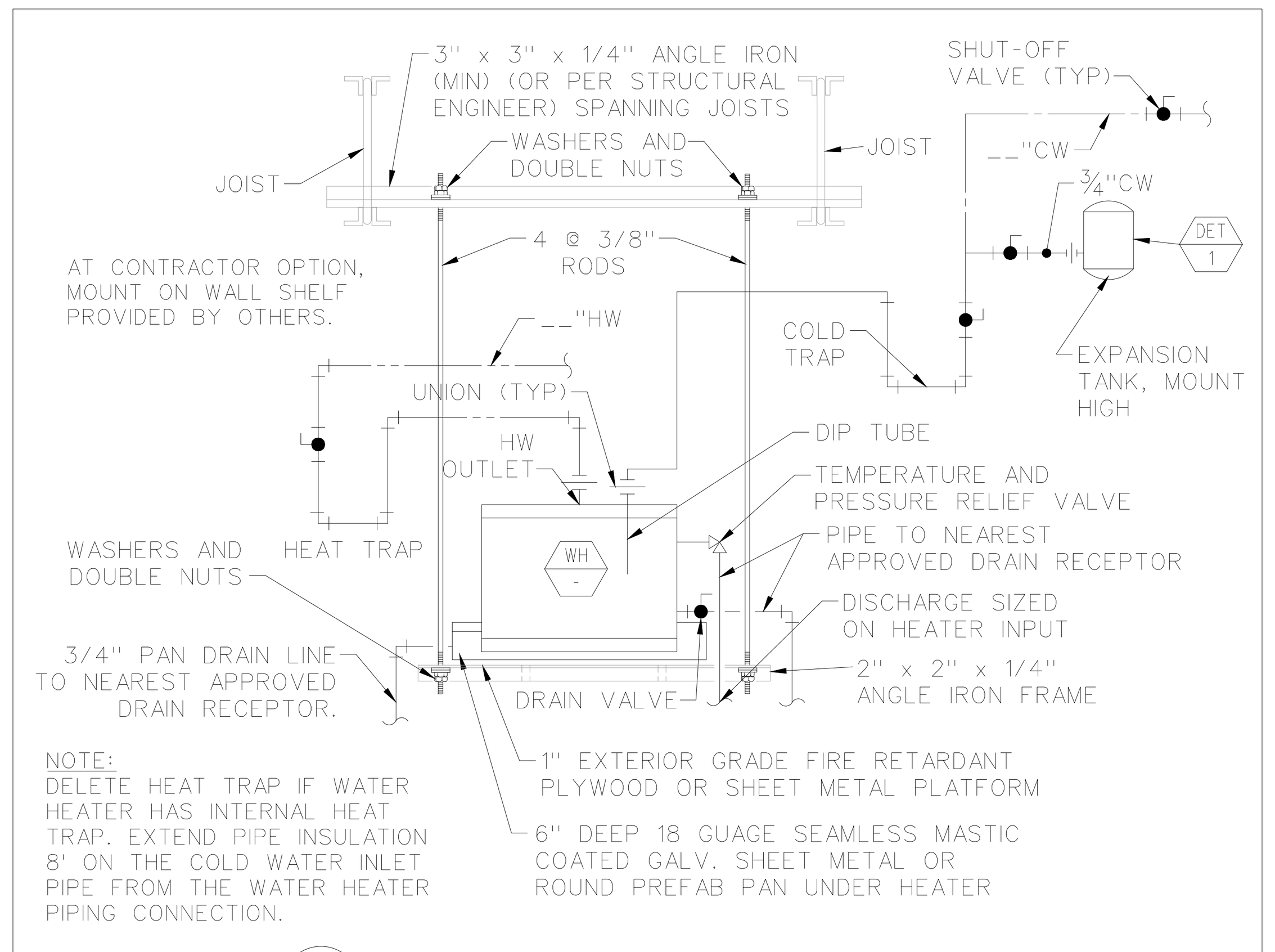
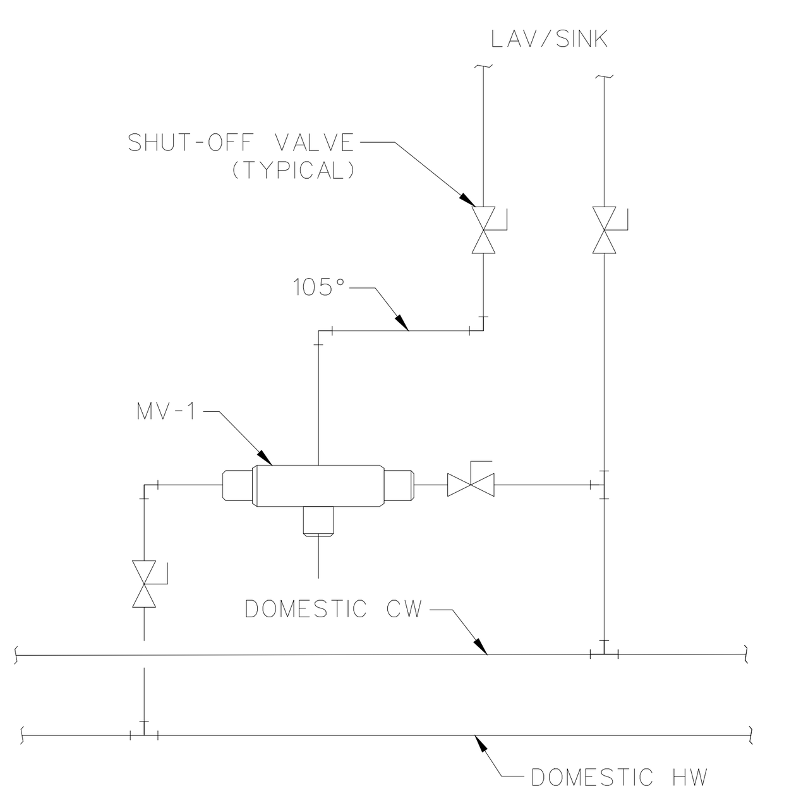


1 P3.1 ELECTRIC WATER HEATER DETAIL
NO SCALE



2 MP3.3 MIXING VALVE DETAIL
NO SCALE

PLUMBING FIXTURE SCHEDULE

A. 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 APPURTENANCES IF/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-1H), TOTO #CSC744SL.01, FLOOR-MOUNTED, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS, 17" HIGH, 1.6-GALLON FLUSH, CLOSE-COUPLED TANK DESIGN WITH ELONGATED BOWL AND SIPHON JET ACTION. TANK SHALL BE VITREOUS CHINA WITH COVER, 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-1H), TOTO #LT307.4 (20"X18"), WALL-HUNG TYPE, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 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 CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PROVIDE DELTA #523-WFOGHDF 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 ADA HEIGHT AND MAINTAIN CLEARANCES 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 LAV GUARD.

D. SERVICE SINK (SS-1), FIAT MOLDED #SF-1-F FLOOR MOUNTED LAUNDRY TUB, MANUFACTURED FROM MOLDED STRUCTURAL PLASTIC POLYMER WITH INTEGRALLY MOLDED DRAIN, 4" FAUCET LEDGE, 20"X24"X14" BOWL, DRILLED FOR 4" CENTERSET FAUCET. PROVIDE WITH DECK MOUNTED FAUCET AS RECOMMENDED BY THE MANUFACTURER.

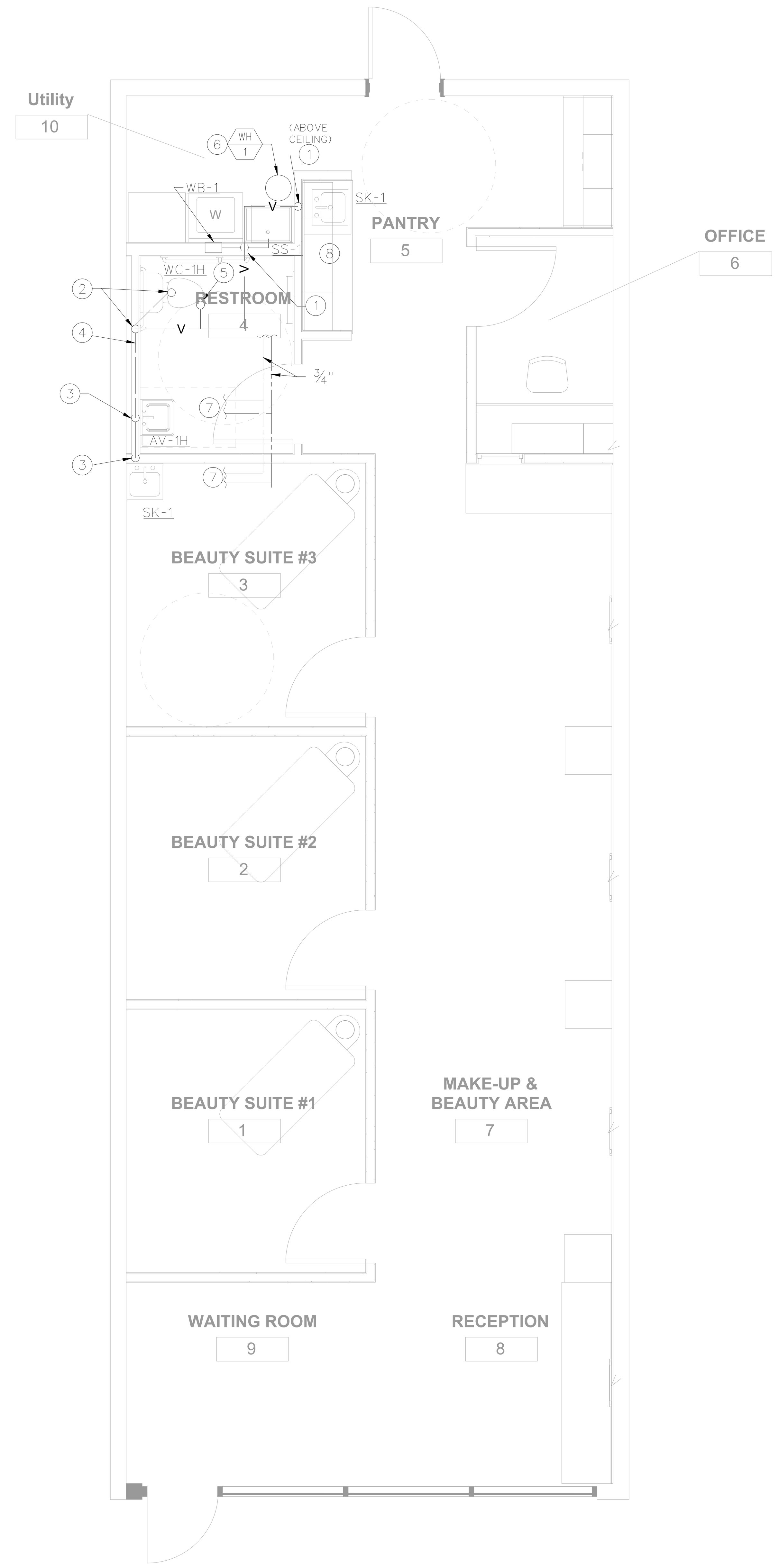
E. SINK (SK-1), JUST #SL-2217-A-GR, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING, UNDERSIDE FULLY UNDERCOATED WITH SOUND DAMPENING MATERIAL, 3 HOLE PUNCH, NOMINAL DIMENSIONS OF 22"X17"X7-1/2" DEEP. PROVIDE WITH DELTA COMMERCIAL #27T2934 HEAVY DUTY DECKMOUNT SINK FAUCET, 6 9/32 RIGID/SWIVEL GOOSENECK SPOUT, 8" CENTERS, 2.0 GPM VANDAL-RESISTANT AERATOR, BASKET STRAINER DRAIN, 1-1/2" TAILPIECE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/2-INCH INLET 2-INCH OUTLET CHROME PLATED CAST BRASS "P" 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 SHEILD, 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 CONSTUCTION WITH CORROSION RESISTANT EPOXY FINISH, 1/2" CW AND HW SUPPLIES WITH DUAL 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 MARKER WHEN CLEANOUT IS LOCATED BELOW CARPET. COORDINATE WITH ARCHITECTURAL PLANS.

H. FINISHED WALL CLEANOUTS: (FWCO) WADE #8560, W/ 8304-85-6 CAST IRON CLEANOUT TEE WITH BRASS PLUG AND 6" ROUND STAINLESS STEEL ACCESS COVER. J.R. SMITH FIGURE 4530. PROVIDE DUCO 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"

NORTH

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 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).

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.

FIXTURE BRANCH SCHEDULE

FIXTURE	WASTE	VENT	COLD	HOT
Water Closet (ft)	4"	2"	½"	---
Water Closet (fv)	4"	2"	1"	---
Urinal	2"	1 ½"	3/4"	---
Lavatory	1 ½"	1 ½"	½"	½"
Sink	2"	1 ½"	½"	½"
Triple Sink	2"	1 ½"	(2) ½"	(2) ½"
Shower, Tub	2"	1 ½"	½"	½"
Water Fountain	1 ½"	1 ½"	½"	---
Janitor Sink (flr)	3"	2"	3/4"	3/4"
Janitor Sink (wall)	2"	1 ½"	½"	½"
Floor Drain	2"	1 ½"	---	---
Floor Sink	3"	2"	---	---
Eqpt Floor Drain	3"	2"	---	---
Hub 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.	PDI 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.

WATER HEATER SCHEDULE (ELECTRIC)

MARK NO.	MANUFACTURER	MODEL NO.	TYPE	ASME	TANK LINING	STORAGE (GALLONS)	RECOVERY GAL/HR	TEMP RISE °F	DISCH. SET POINT °F	ELECTRICAL KW	ELECTRICAL VOLT	ELECTRICAL Ø	ELECTRICAL HZ	REMARKS
1	LOCHUNVAR	LES-30 DAK	TK	N	GL	28	21	90	120	4.5	240	1	60	1

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

EXPANSION TANK SCHEDULE

MARK NO.	MANUFACTURER	MODEL NO.	TYPE ARRANGEMENT	CAPACITY (GAL)	ASME	MAX WORKING PRESSURE (PSIG)	MAX OPERATING TEMP (°F)	REMARKS
1	ELBI	DTS-45	-	2.1	N	150	210	1

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

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