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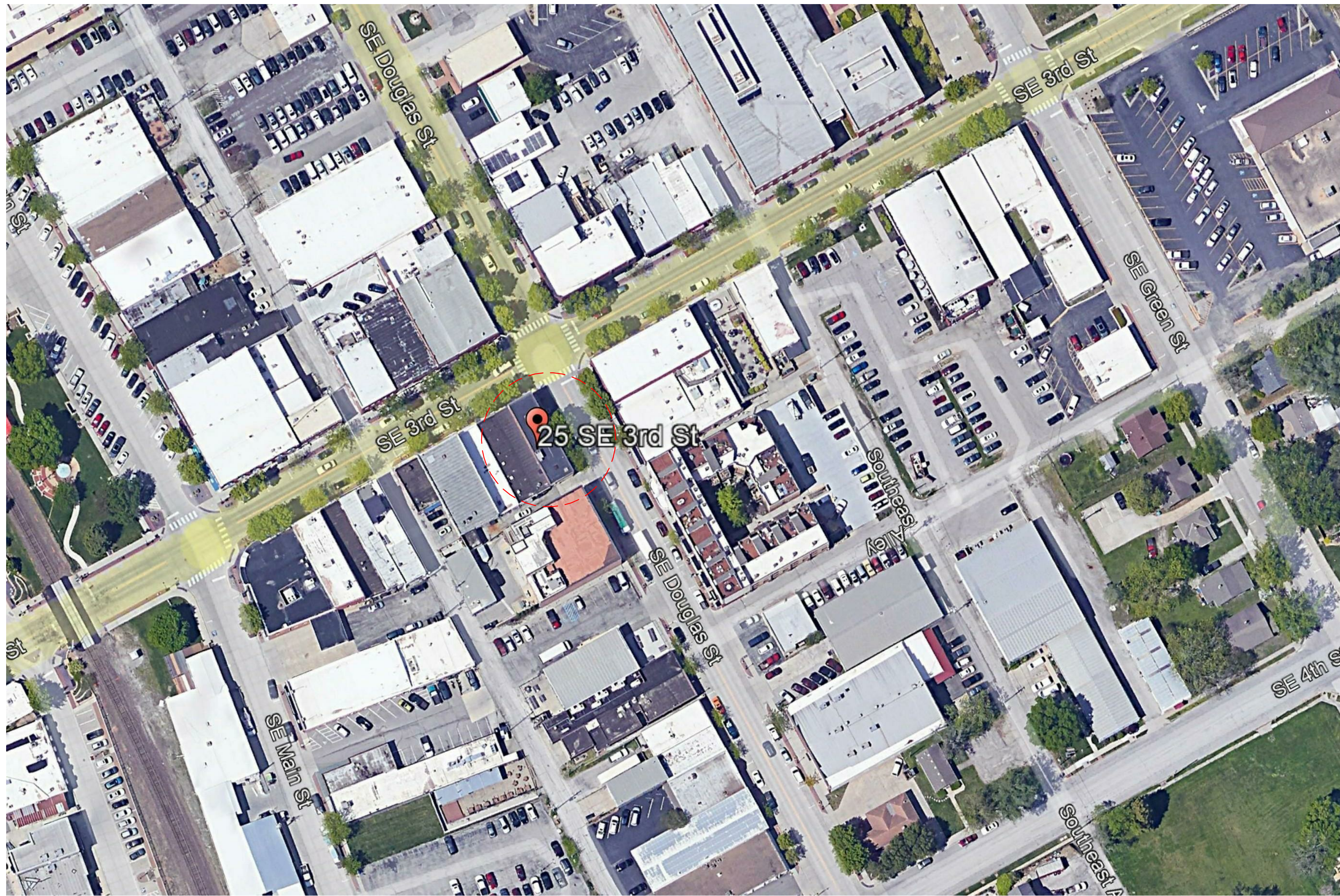
LIBATIONS & COMPANY

25 SE 3RD STREET
LEE'S SUMMIT, 64063

PERMIT SET

16 FEB 2022

COLLINS WEBB #: 21051



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OWNER

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ARCHITECT

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GENERAL DESCRIPTION

PROJECT NAME: LIBATIONS
PROJECT LOCATION: 25 SE 3RD ST, LEE'S SUMMIT, MO 64063
COUNTY: JACKSON
COLLINS WEBB ARCHITECTURE
307B SW MARKET STREET
LEE'S SUMMIT, MISSOURI 64063

APPLICABLE CODES:
INTERNATIONAL BUILDING CODE - 2018 ED.
INTERNATIONAL PLUMBING CODE - 2018 ED.
INTERNATIONAL MECHANICAL CODE - 2018 ED.
INTERNATIONAL FUEL GAS CODE - 2018 ED.
NATIONAL ELECTRICAL CODE - 2017 ED.
INTERNATIONAL FIRE CODE - 2018 ED.
ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 ED.
ICC/ANSI A117.1: ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - 2009 ED.

CODE INFORMATION

	TABLE/SECTION/REFERENCE
BUILDING/PROJECT USE:	BAR
CONSTRUCTION TYPE	TYPE IIB (EXISTING - FULLY SPRINKLERED)
OCCUPANCY CLASSIFICATION	GROUP "A2" NEW ASSEMBLY
BUILDING FRAME	
BASE ALLOWABLE AREA A2	28,500 SQ. FT.
ACTUAL TENANT AREA (GROSS)	1,675 SQ. FT.
ALLOWABLE STORIES	3 STORIES
ACTUAL NUMBER OF STORIES	2 STORIES - EXISTING - 1 STORY TENANT IMPROVEMENT
ALLOWABLE HEIGHT	75'-0" EXISTING
ACTUAL HEIGHT IN FEET	

FIRE RESISTIVE REQUIREMENTS

	TABLE/SECTION/REFERENCE
PRIMARY FRAME	0 HRS IBC TABLE 601
NON-BEARING WALLS	0 HRS IBC TABLE 601
BEARING WALLS INT / EXT.	0 INT. / 2 EXT. HRS IBC TABLE 601
FLOOR CONSTRUCTION	0 HRS IBC TABLE 601
CEILING/ROOF	0 HRS IBC TABLE 601
CORRIDORS	0 HRS IBC TABLE 1018.1

FIRE EXTINGUISHERS

1. PROVIDE PORTABLE FIRE EXTINGUISHERS IN OCCUPANCIES AND LOCATIONS AS REQUIRED BY THE FIRE PREVENTION CODE. SEE PLANS FOR SUGGESTED LOCATIONS. NOTIFY ARCHITECT OF ANY PROPOSED RELOCATION OR IF A CONFLICT IS ENCOUNTERED.

2. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS.

CEILING HEIGHT NOTES: (IBC 1208)

1. ALL MEANS OF EGRESS TO HAVE A MINIMUM CEILING HEIGHT OF 7'-6" A.F.F., NOR SHALL HAVE ANY PROJECTION FROM THE CEILING BE LESS THAN 6'-8" A.F.F.

2. OCCUPIED SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-4" A.F.F.

3. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-4" A.F.F.

INTERIOR FINISHES

GROUP A	MAX. FLAME SPREAD	
EXIT ENCLOSURES	CLASS B	803.9 IBC
LOBBIES & CORRIDORS	CLASS B	803.9 IBC
ALL OTHER SPACES	CLASS C	803.9 IBC
TEXTILES	CLASS A (0-25)	IBC 803.1.3, 803.5.1, 803.5.2
SMOKE DEVELOPED	0-450	TABLE/SECTION/REFERENCE

NOTE:
Decorative Materials and Trim (including plastics) must comply with

GENERAL EXITING REQUIREMENTS

	TABLE/SECTION/REFERENCE
EXIT TRAVEL DISTANCE	250 FEET
DEAD END CORRIDOR	20 FEET
COMMON PATH OF TRAVEL	30' FEET, OR 75' IF OCC. < 50
MIN. CORRIDOR WIDTH	44", OR 36" IF OCC. < 50

POSTING OF OCCUPANT LOAD

EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT.

EXIT REQUIREMENTS

	TABLE/SECTION/REFERENCE
A. REQUIRED CAPACITY	IBC SECTION 1005
1. STAIRS - 0.3" / PERSON	
2. OTHER COMPONENTS - 0.2" / PERSON	
3. OTHER COMPONENTS WITHIN THEATER ROOMS - 0.22" / PERSON	
B. MINIMUM NUMBER	IBC SECTION 1006.3.2
1. OCCUPANT LOAD OF 1-500 PERSONS - 2 EXITS PER STORY	
2. OCCUPANT LOAD OF 501-1000 PERSONS - 3 EXITS PER STORY	
3. OCCUPANT LOAD OF MORE THAN 1000 PERSONS - 4 EXITS PER STORY	

SIGNAGE

1. STAIR TACTILE AND BRAILLE SIGNAGE ON EACH FLOOR FOR EXIT STAIRWELL, FLOOR DISCHARGE, AND ROOF TOP ACCESS IN ACCORDANCE WITH LSC 7.10.

2. PROVIDE SIGNAGE "IN FIRE EMERGENCY DO NOT USE ELEVATOR, USE EXIT STAIRS" IN ACCORDANCE WITH IBC (3002.3)

3. EVACUATION DIAGRAM PROVIDED IN ACCORDANCE WITH LSC 7.10.6.5.

OCCUPANT LOAD PER LEVEL

OCCUPANT LOAD: LEVEL 1

LOUNGE	70 OCC	LOUNGE:	15 SF/OCC
BAR	1 OCC	BAR:	100 SF/OCC
STORAGE/UTILITY	1 OCC	STORAGE:	300 SF/OCC
TOTAL OCCUPANT LOAD	72 OCCUPANTS		

EXITS REQUIRED THIS LEVEL: 2 EXITS
EXITS PROVIDED THIS LEVEL: 2 EXITS

OCCUPANT LOAD: LEVEL 2

LOUNGE	90 OCC	LOUNGE:	15 SF/OCC
BAR	1 OCC	BAR:	100 SF/OCC
TOTAL OCCUPANT LOAD	91 OCCUPANTS		

EXITS REQUIRED THIS LEVEL: 2 EXITS
EXITS PROVIDED THIS LEVEL: 2 EXITS

TOTAL OCCUPANT LOAD

LEVEL 1	72 OCC
LEVEL 2	91 OCC
TOTAL OCCUPANT LOAD	163 TOTAL OCCUPANTS

EXITS REQUIRED THIS LEVEL: 2 EXITS
EXITS PROVIDED THIS LEVEL: 2 EXITS

PLUMBING FIXTURES

EXISTING PLUMBING FIXTURES

TOTAL WATER CLOSETS:	= 3 PROVIDED - EXISTING
LAVATORIES:	= 3 PROVIDED - EXISTING
DRINKING FOUNTAINS:	= PROVIDED AT BAR
SERVICE SINKS:	= 1 PROVIDED - EXISTING

J6 1ST FLOOR - LIFE SAFETY

1/8" = 1'-0"

G6 2ND FLOOR - LIFE SAFETY

1/8" = 1'-0"

FIRE RESISTIVE LEGEND

3FW	3FW	3FW	3FW
2FW	2FW	2FW	2FW
2FB	2FB	2FB	2FB
1FB	1FB	1FB	1FB
2S	2S	2S	2S
1SE	1SE	1SE	1SE
1FP	1FP	1FP	1FP
0.5FP	0.5FP	0.5FP	0.5FP
0.5X	0.5X	0.5X	0.5X
SB	SB	SB	SB
2BW	2BW	2BW	2BW
1BW	1BW	1BW	1BW

GENERAL NOTES:

FLOOR PLANS

1. ARCHITECTURAL ELEVATION 100'-0"

2. DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP BOARD WALL (FGB), FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.

3. NOTE: WALL THICKNESSES ARE ACTUAL, DIMENSIONS AND PER WALL TYPES. SEE GENERAL SHEETS.

4. MAINTAIN AND PROTECT EXISTING EXPANSION JOINTS DURING CONSTRUCTION. PATCH/REPAIR/PLACE TO MATCH EXISTING RATINGS AS REQUIRED ON THE SHELL PORTION OF PROJECT.

A12 1ST FLOOR PLAN

3/8" = 1'-0"

FLOOR PLAN, LIFE SAFETY PLAN, AND CODE INFORMATION

LIBATIONS & COMPANY

25 SE 3RD STREET
LEE'S SUMMIT, 64063

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REVISION DATES:
1 City Comments 03/01/2022

03/01/2022
PROFESSIONAL SEAL

A101

ISSUE DATE: 16 FEB 2022
COLLINS WEBB #: 21051



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REVISION DATES:



PROFESSIONAL SEAL

P100

ISSUE DATE: 02.16.22
JSC PROJECT #: 22-053

GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. NEW PIPING IS SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AROUND EQUIPMENT.
- D. EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OR CONNECTIONS THEREOF.
- E. PROVIDE SHIELDED ADAPTOR COUPLINGS FOR CONNECTIONS OF PVC DWV TO CAST IRON SANITARY, WASTE AND VENT PIPE.
- F. REFER TO PLUMBING FIXTURE SCHEDULE FOR MINIMUM BRANCH WASTE AND VENT PIPE SIZING.
- G. SANOUT EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDERFLOOR PIPING. PATCH FLOOR TO MATCH EXISTING.
- H. EXISTING SANITARY SEWER SHOWN AT APPROXIMATE LOCATION FROM BEST AVAILABLE INFORMATION. PLUMBING CONTRACTOR SHALL INCLUDE WORK REQUIRED TO CAMERA AND LOCATE SEWER LINES PRIOR TO START OF WORK. FIELD VERIFY EXACT LOCATION AND ADEQUATE INVERT ELEVATION FOR CONNECTION OF NEW SEWER LINES.

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION
—SS—	SANITARY SEWER (ABOVE GRADE)
---SS---	SANITARY SEWER (BELOW GRADE)
—CD—	CONDENSATE DRAIN
—V—	VENT PIPING
—G—	G = GAS PIPING LESS THAN 2 PSI
—MPG—	MPG = GAS PIPING 5 PSI
○	GAS PIPE ON ROOF, G OR MPG
—CW—	COLD WATER PIPING
—HW—	HOT WATER PIPING
—○—	PIPE ELBOW DOWN
—○—	PIPE ELBOW UP
—X—	GATE VALVE
—X—X—X—	BACKFLOW PREVENTER
—○—	BALL VALVE
— —	STRAINER
— —	PRESSURE REDUCING VALVE
— —	PLUG VALVE
— —	CONTROL VALVE
—○—	FLOOR CLEANOUT (FCO)
—○—	CLEANOUT AT GRADE (GCO)
— —	WALL CLEANOUT (WCO)
—○—	FLOOR DRAIN
— —	FLOOR SINK
— —	CAPPED PIPE
—+—	HOSE BIB

ABBREVIATIONS

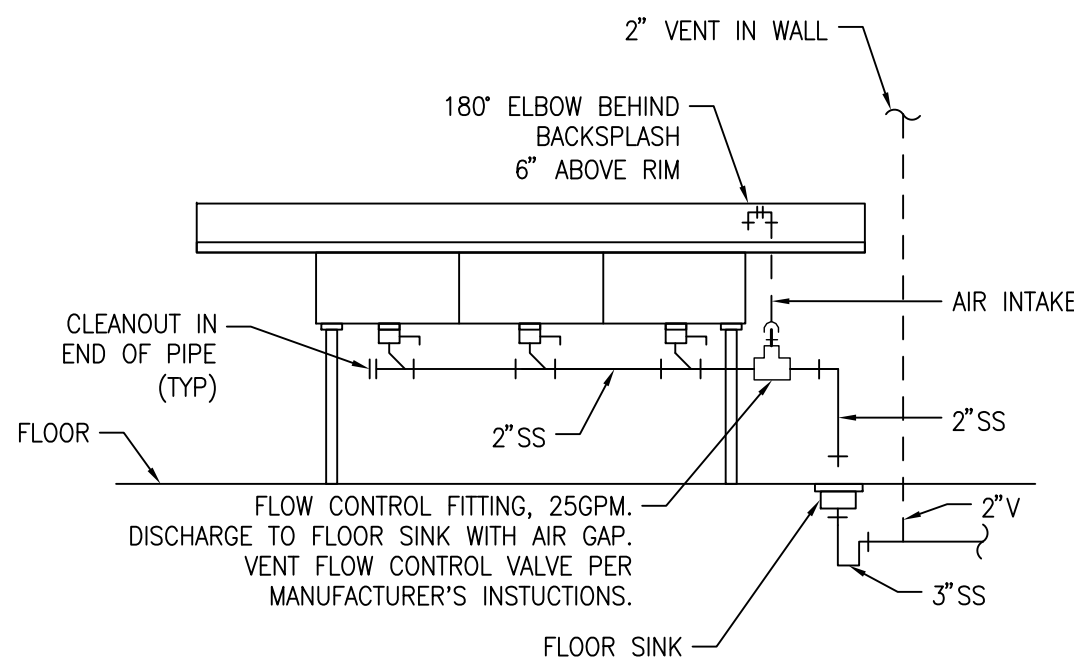
AFF	ABOVE FINISHED FLOOR	KW	KILOWATT
AFB	ABOVE FINISHED GRADE	MAX	MAXIMUM
BFF	BELOW FINISHED FLOOR	MBH	1000 BTU PER HOUR
BFG	BELOW FINISHED GRADE	MIN	MINIMUM
BOP	BOTTOM OF PIPE	ORD	OVERFLOW ROOF DRAIN
CPVC	CHLORINATED POLYVINYL CHLORIDE	PVC	POLYVINYL CHLORIDE
CFH	CUBIC FEET PER HOUR (GAS)	PRV	PRESSURE REDUCING VALVE
DN	DOWN	UL	UNDERWATER LABORATORIES, INC.
DFU	DRAINAGE FIXTURE UNIT	U.G.	UNDER GROUND
FD	FLOOR DRAIN	VTR	VENT THROUGH ROOF
FLR	FLOOR	W/	WITH
GPM	GALLON PER MINUTE	W/O	WITHOUT
IE	INVERTED ELEVATION	WC	WATER COLUMN
INWC	INCHES OF WATER COLUMN	WSFU	WATER SUPPLY FIXTURE UNIT

ANNOTATION

#	PLAN WORK NOTE
1	MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
○	PLUMBING FIXTURE DESIGNATION
●	CONNECTION POINT OF NEW WORK TO EXISTING
A VI	DETAIL REFERENCE UPPER NUMBER INDICATED DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
1 VI	SECTION CUT DESIGNATION

PLUMBING SPECIFICATIONS

1. GENERAL PROVISIONS:
- A. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE PLUMBING AND MECHANICAL SYSTEMS OUTLINED.
- B. OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATIONS OF COMPLIANCE OR APPROVAL AS REQUIRED BY AUTHORITIES.
- C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
- D. ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK.
- E. DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, PIPE, DUCT, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERING SHALL BE REMOVED BEFORE FINAL ACCEPTANCE.
- F. PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
- G. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECT FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
- H. INSPECTION OF THE SITE: THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MEP DRAWINGS, SPECIFICATIONS, DETAIL, AND THE SITE. THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SPECIAL OR UNUSUAL PROBLEMS, CONFLICTS, OR OBSTRUCTIONS THAT AFFECT HIS BID.
- I. FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE MECHANICAL AND PLUMBING DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS AND FITTINGS REQUIRED FOR INSTALLATION. DO NOT SCALE DRAWINGS. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DATA AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE MECHANICAL WORK INTERFACES WITH OTHER TRADES.
- J. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS OR WITH CODE REQUIREMENTS, THE NOTE OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR HIGHER STANDARD SHALL PREVAIL.
- K. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH APPLICABLE REGULATIONS AND CODE REQUIREMENTS. PROVIDE PROPER CLEARANCES FOR SERVISING.
- L. INCLUDE ALL BASIC MATERIALS AND CONSTRUCTION METHODS INCLUDING PIPES, PIPE FITTINGS, AND SPECIALTIES AND SUPPORTING DEVICES, VALVES, PIPE AND VALVE IDENTIFICATION, PUMPS, VIBRATION ISOLATION, ETC.
- M. FURNISH ADEQUATE ACCESS PANELS AND DOORS TO ALLOW FOR FUTURE PIPING ALTERATIONS, REPLACEMENT, AND MAINTENANCE OF PIPING. PROPERLY IDENTIFY ALL ACCESS PANELS AND DOORS.
2. MANUFACTURERS:
- A. MANUFACTURERS, MODEL NUMBERS, ETC. INDICATED OR SCHEDULED ON THE DRAWINGS SHALL BE INTERPRETED AS HAVING ESTABLISHED A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION, ARTICLES, FIXTURES, ETC. OF EQUAL QUALITY BY MANUFACTURERS SHALL BE ACCEPTABLE, SUBJECT TO STRUCTURAL AND ELECTRICAL CONSTRAINTS OF THE PROJECT DESIGN.
3. PLUMBING:
- A. PROVIDE AN APPROVED WATER HAMMER ARRESTOR FOR EACH PLUMBING FIXTURE SUPPLY AS REQUIRED BY FIXTURE MANUFACTURER.
- B. ALL EXPOSED PIPE IN FINISHED AREAS SHALL BE CHROME PLATED BRASS PIPE, NO FERROUS PIPE.
- C. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION AND AT 100 FOOT INTERVALS IN STRAIGHT RUNS.
- D. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND TRAPS.
- E. CLEANOUTS:
1. VINYL TILE FLOOR (FCO):JR SMITH #4140, OR EQUAL.
 2. QUARRY TILE FLOOR (FCO):JR SMITH #4200, OR EQUAL.
 3. CARPETED FLOOR (FCO):JR SMITH #4020-Y, OR EQUAL.
 4. UNFINISHED FLOOR (FCO):JR SMITH #4020, OR EQUAL.
 5. WALL (WCO):JR SMITH #4472, OR EQUAL, 24" ABOVE THE FLOOR.
 6. GRADE (GCO):JR SMITH #4256, OR EQUAL, WITH HEAVY DUTY CAST IRON BODY AND COVER.
- F. ALL SEWER PIPING LOCATED INSIDE THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES.
1. INSTALL 2-1/2" AND SMALLER PIPE AT 1/4" PER FOOT FALL.
 2. INSTALL 3" AND LARGER PIPE AT 1/8" PER FOOT FALL.
- G. PROVIDE DIELECTRIC UNIONS WITH APPROPRIATE END CONNECTION TO MATCH THE PIPE SYSTEM IN WHICH INSTALLED (SCREWED, SOLDERED, OR FLANGED). PROVIDE DIELECTRIC UNIONS ON ALL PIPING CONNECTIONS TO HOT WATER HEATERS AND EXPANSION JOINTS.
4. PIPING
- A. DOMESTIC COLD, AND HOT WATER (ABOVEGROUND).
1. TYPE L HARD DRAWN COPPER TUBING, ASTM B-88 WITH WROUGHT BRONZE SOLDERED FITTINGS.
 2. GLOBE VALVE: CRANE #7 OR EQUAL.
 3. BALL VALVE: CRANE #932 OR EQUAL.
- B. DOMESTIC COLD AND HOT WATER (UNDERGROUND).
1. TYPE K HARD OR SOFT DRAWN COPPER TUBING, ASTM B-88 WITH WROUGHT BRONZE SOLDERING FITTINGS.
- C. SANITARY SEWER AND VENTS (UNDERGROUND, INTERIOR TO BUILDING).
1. ASTM D2665 POLYVINYL CHLORIDE (PVC) DWV PIPE, SCHEDULE 40, SOLVENT JOINT.
 2. VENT PIPE AND FITTINGS ABOVE GROUND INSIDE OF THE BUILDING SHALL BE SERVICE WEIGHT HUB-AND-SPIGOT OR NO-HUB CAST IRON PIPE.
 3. SEWER LINES SHALL BE LOCATED IN GENERAL AS SHOWN ON THE DRAWINGS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN SUCH A MANNER AS TO MAINTAIN PROPER CLEARANCES AND SUFFICIENT SLOPE TO ENSURE DRAINAGE.
 4. VENT STACKS SHALL BE EXTENDED FULL SIZE THROUGH THE ROOF AND FLASHED WITH 4 POUND LEAD SHEETS TURNED DOWN INTO THE STACK AT LEAST 2" AND EXTENDED 12" IN ALL DIRECTIONS FROM THE PIPE AT THE ROOF LINE. VENTS THROUGH ROOF SHALL NOT BE LESS THAN 3". PVC PIPING SHALL NOT BE USED FOR VENT PIPING THROUGH THE ROOF, WHERE APPLICABLE FOR ROOFING SYSTEM USED, PROVIDE FLASHING VIA FLATED EPDM CONE IN LIEU OF LEAD. ALL VENT STACKS IN OR AT OUTSIDE WALLS SHALL BE OFFSET 1'-6" MINIMUM FROM OUTSIDE WALLS BEFORE GOING THROUGH THE ROOF, TO FACILITATE FLASHING.
- D. ALL PIPE HANGERS AND SUPPORTS SHALL BE STANDARD PRODUCTS OF GRINNELL, FEE AND MASON, OR ANVIL. HANGER SPACING SHALL BE IN ACCORDANCE WITH MSS-SP-69.
- E. SLEEVES
1. PROVIDE, SET, AND PROPERLY LOCATE PIPE SLEEVES AS REQUIRED FOR THIS WORK. ALL SLEEVES SHALL BE OF SUFFICIENT SIZE TO PERMIT PIPE MOVEMENT DUE TO EXPANSION AND
- CONTRACTION AND TO ACCOMMODATE PIPE INSULATION.
- INTERIOR PARTITIONS: 16 GAUGE GALVANIZED STEEL, PACK BETWEEN PIPE AND SLEEVE WITH FIRE SAFING AND CAULK AT EACH END WITH FIRE RESISTANT SEALANT.
- ROOF: PROSET OR EQUAL, MANUFACTURED PVC SCHEDULE 40 PIPE SLEEVE WITH WATERPROOF SEAL. COORDINATE WITH ROOFING CONTRACTOR AND FLASH AS REQUIRED TO MAINTAIN ROOF WARRANTY.
- PLUMBING VENTS: FLASH ROOF VENT INTO ROOFING SYSTEM AS REQUIRED BY THE ROOFING CONTRACTOR TO MAINTAIN THE EXISTING ROOF WARRANTY. ALL PLUMBING VENT TERMINALS SHALL TERMINATE A MINIMUM OF 12" ABOVE ROOF OR EQUAL TO HEIGHT OF PARAPET, WHICHEVER IS GREATER.
- F. PROVIDE CHROME PLATED ESCUTCHEONS ON ALL PIPE ENTERING FINISHED AREAS.
5. INSULATION:
- A. ALL INSULATIONS AND ACCESSORIES SHALL HAVE A FIRE HAZARD CLASSIFICATION WITH A FLAME SPREAD RATING OF NOT OVER 20, A FUEL CONTRIBUTION RATING OF NOT OVER 50, AND A SMOKE DEVELOPMENT RATING OF NOT OVER 50, IN ACCORDANCE WITH NFPA.
- B. PIPE INSULATION (ABOVE GRADE):
1. THE PIPE INSULATION USED SHALL HAVE A THERMAL CONDUCTIVITY OF 0.27 BTU PER IN/HR-FT-FTF OR LESS.
 2. FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER, ASJ JACKET, FACTORY APPLIED PRESSURE SEALING LONGITUDE LAP JOINT, NO STAPLES, ZESTON PREMOULDED PVC FITTING COVERS. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. FLEXIBLE CLOSED CELL ELASTOMERIC THERMAL INSULATION, UNSILT OR PRESILT WITH PRESSURE SENSITIVE ADHESIVE SYSTEM FOR CLOSURE AND VAPOR SEALING, EQUAL TO ARMSTRONG AP ARMAFLEX OR ARMAFLEX 2000.
4. INSULATION SCHEDULE:
- a. DOMESTIC COLD WATER: 1/2"
 - b. DOMESTIC HOT WATER: 1"
6. TESTING, BALANCING AND CLEANING:
- A. ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION.
- B. SEWER AND VENT PIPING SHALL BE HYDROSTATICALLY TESTED WITH NO LESS THAN 10 FEET OF HEAD FOR A PERIOD OF NOT LESS THAN 15 MINUTES, PER THE LOCAL PLUMBING CODE, WITH NO LEAKS.
- C. DOMESTIC WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF NOT LESS THAN 1-1/2 TIMES THE OPERATING PRESSURE, BUT NOT LESS THAN 60 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS, WITH NO LEAKS.
- D. THE INSPECTION AUTHORITY HAVING JURISDICTION SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO PERFORMANCE OF ALL TESTS SO THAT THEY TESTS MAY BE WITNESSED IF DEEMED NECESSARY.
7. REMODELING WORK:
- A. THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.
- B. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.
- C. DEMOLITION: DISCONNECT, DEMOLISH, AND REMOVE ABANDONED MECHANICAL AND PLUMBING MATERIALS AND EQUIPMENT INDICATED TO BE REMOVED AND NOT INDICATED TO BE SALVAGED OR REMAIN.
- D. DISPOSAL AND CLEANUP: REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED.
- E. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER REMODELING OPERATIONS ARE COMPLETE.
- F. REMOVE ALL PIPING TO BE DEMOLISHED BACK TO PIPE MAIN OR EDGE OF PROJECT AREA AND CAP PIPE.
- G. PIPING AND DUCTS EMBEDDED IN FLOORS, WALLS, AND CEILINGS MAY REMAIN IF SUCH MATERIALS DO NOT INTERFERE WITH NEW INSTALLATIONS. PIPING AND DUCTS TO REMAIN SHALL BE APPROVED BY THE ARCHITECT. REMOVE MATERIALS ABOVE ACCESSIBLE CEILINGS, DRAIN AND CAP PIPING AND DUCTS TO ALLOW TO REMAIN ABOVE CEILING OR BELOW FLOOR, CONCEALED FROM VIEW, EXCEPT AS OTHERWISE NOTED. PATCH FLOOR TO MATCH EXISTING.
- H. PIPE AND DUCT SHALL BE CONCEALED WITH NEW OR EXISTING CONSTRUCTION WHENEVER POSSIBLE, UNLESS INDICATED OTHERWISE.

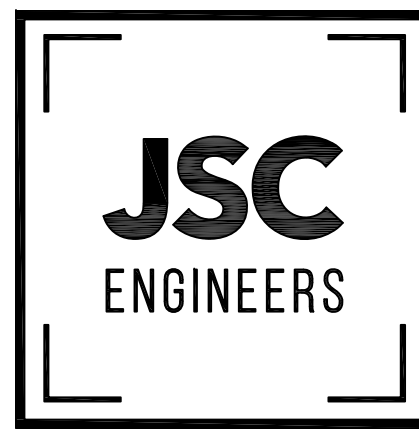


3 COMP SINK AND FLOOR SINK

SCALE : NO SCALE

1

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PLUMBING SPECIFICATIONS,
DETAILS, AND SYMBOLS



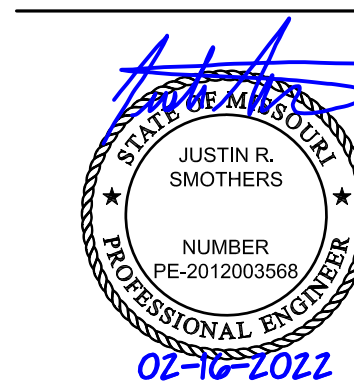
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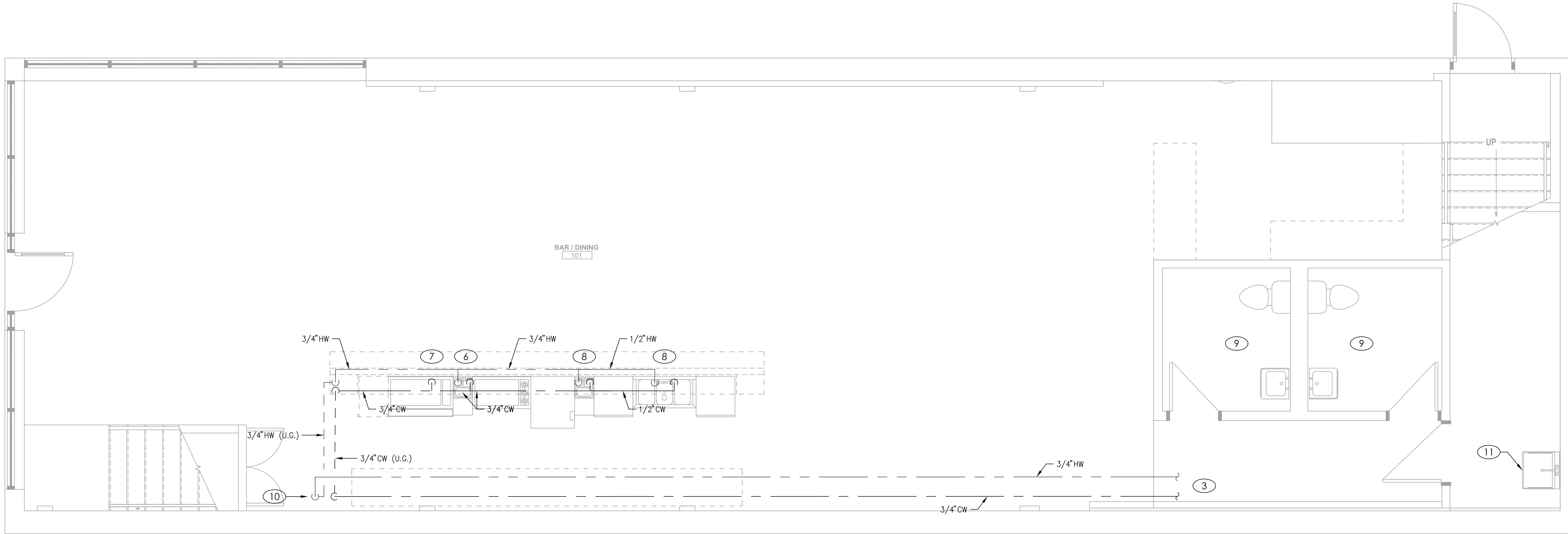
PLUMBING PLANS AND SCHEDULES

KEYED PLAN NOTES

- CONNECT NEW 4" SANITARY SEWER LINE TO EXISTING SANITARY SEWER SERVING RESTROOMS. FIELD VERIFY EXACT LOCATION, SIZE, FLOW DIRECTION AND ADEQUATE INVERT DEPTH PRIOR TO START OF WORK.
- 2" CAST IRON VENT FROM UNDERGROUND THEN UP WALL. RUN VENT LINE TIGHT TO WALL THEN UP TO UPPER FLOOR. ROUTE THROUGH UPPER LEVEL TO NEW 2" VENT THROUGH ROOF. COORDINATE ROUTING OF VENT LINE THROUGH UPPER LEVEL WITH OWNER AND GC PRIOR TO START OF CONSTRUCTION. PROVIDE ANY OFFSETS REQUIRED TO ROUTE THROUGH UPPER LEVEL WITH MINIMAL IMPACT. LOCATE VENT A MINIMUM OF 3'-0" FROM EDGE OF ROOF AND 10'-0" FROM ANY OUTSIDE AIR INTAKE. SEAL ROOF PENETRATION WEATHER TIGHT.
- CONNECT NEW 3/4" CW AND 3/4" HW PIPING TO EXISTING DOMESTIC WATER PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK. VERIFY CONNECTION IS DOWNSTREAM OF RPZ BACKFLOW PREVENTER SERVING BUILDING.
- 3-COMPARTMENT SINK. PLUMBING CONTRACTOR TO PROVIDE 2" DRAIN FROM EACH BASIN. COMBINE AND DISCHARGE TO FLOOR SINK WITH MINIMUM 2" AIR GAP. SEE DETAIL ON SHEET P100.
- ROUTE INDIRECT DRAINS FROM OWNER FURNISHED EQUIPMENT TO NEAREST FLOOR SINK.
- 1/2" CW AND 1/2" HW TO OWNER FURNISHED HAND SINK. PROVIDE THERMOSTATIC MIXING VALVE EQUAL TO LEONARD MODEL 170. SET HOT WATER SUPPLY WATER TEMPERATURE TO 110°F.
- 1/2" CW TO OWNER FURNISHED ICE MACHINE. PROVIDE ACCESSIBLE SHUTOFF VALVE AND REQUIRED ADAPTERS TO CONNECT TO EQUIPMENT.
- 1/2" CW AND 1/2" HW TO OWNER FURNISHED 3-COMP/PREP SINK.
- NO WORK IN EXISTING RESTROOMS. FIXTURES SHOWN FOR REFERENCE ONLY.
- ROUTE 3/4" CW AND 3/4" HW DOWN TIGHT TO WALL. CONTINUE UNDERGROUND TO BAR AREA. COORDINATE LOCATION WHERE PIPES ROUTE DOWN NEXT TO BRICK WALL WITH GC PRIOR TO START OF CONSTRUCTION.
- FIXTURE SHOWN FOR REFERENCE ONLY, NO WORK.

PLUMBING FIXTURE SCHEDULE				
BASIS OF DESIGN: CONFIRM ALL SELECTIONS WITH OWNER AND ARCHITECT PRIOR TO PURCHASE.				
FS	FLOOR SINK: ZURN FD2376-NH3-H FLOOR SINK, 12"X12", 8" DEEP BODY, 3" NO-HUB CONNECTION, ANTI-SPLASH DOME STRAINER AND SQUARE GRATE.			

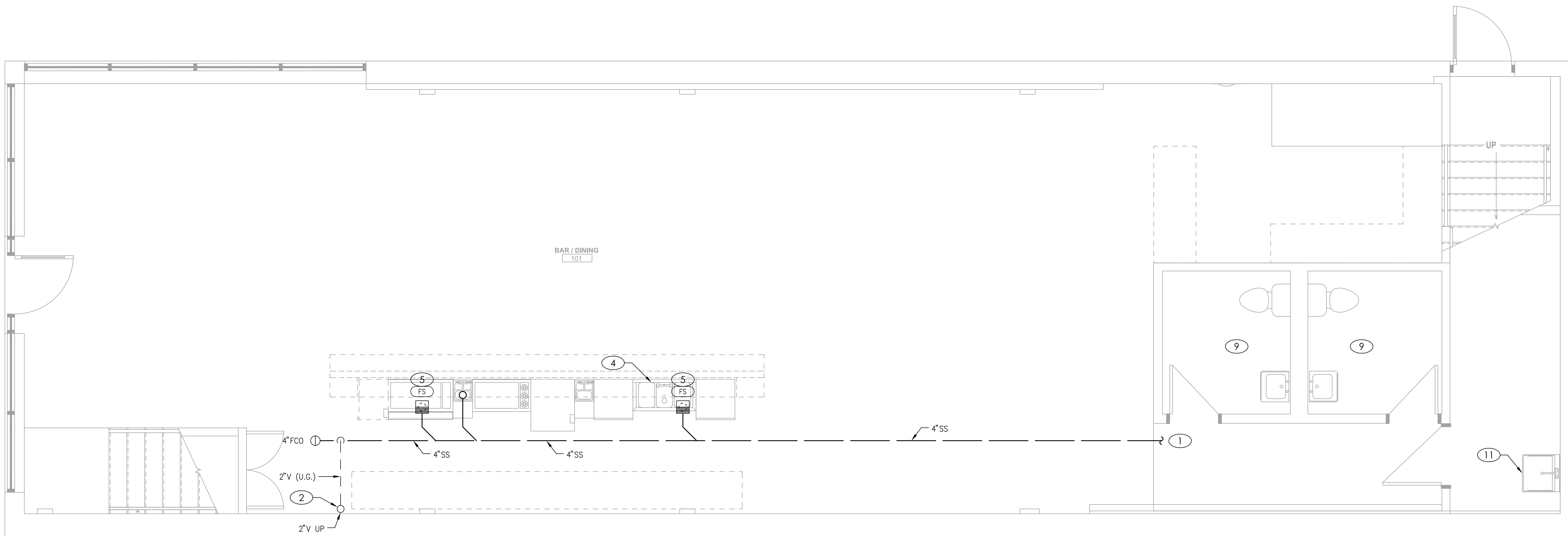
FIXTURE BRANCH CONNECTION SCHEDULE				
FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
FLOOR SINK	1/2"	1/2"	3"	2"
SINK	1/2"	1/2"	1-1/2"	1-1/2"
NOTE:	PIPE SIZES SHOWN ARE MINIMUM. MINIMUM SANITARY SIZE UNDERGROUND IS 2".			



WATER PLAN

SCALE : 3/8" = 1'-0"

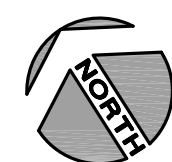
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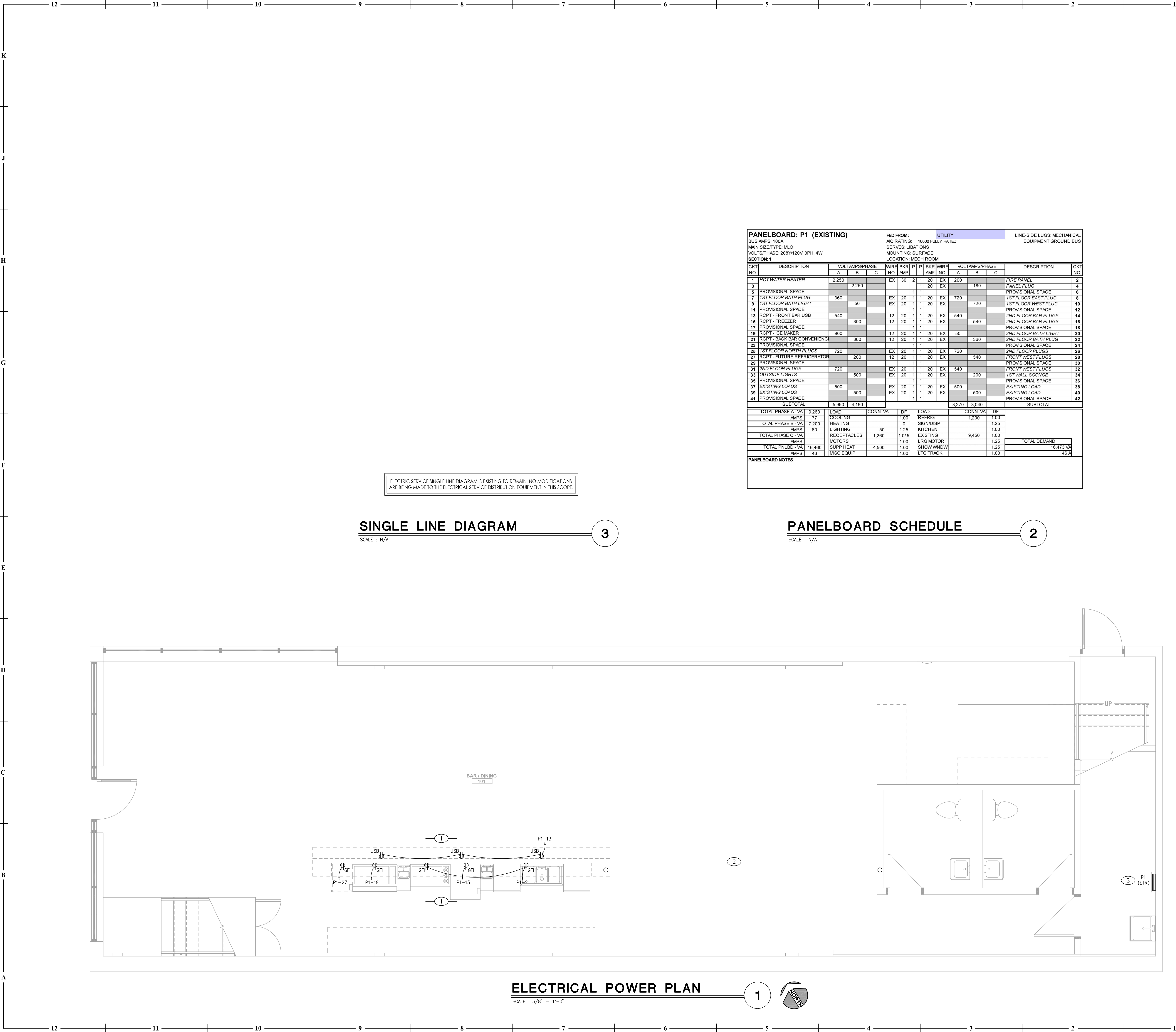


WASTE & VENT PLAN

SCALE : 3/8" = 1'-0"

1





GENERAL NOTES

- A. EXISTING WORK SHOWN LIGHT, NEW SHOWN BOLD.
- B. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- C. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- D. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- E. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- F. ALL WIRING SHALL BE IN APPROVED RACEWAY.
- G. WIRE SIZE SHALL BE MINIMUM #12 AWG, THIN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH CIRCUIT EXCEEDS 100 FEET.
- H. ROUTE ALL EXPOSED, RIGID CONDUIT TIGHT TO STRUCTURE, PARALLEL TO BUILDING LINES AND IN UNISTRUT CABLE/PIPE TRAY WHERE POSSIBLE. COORDINATE CONDUIT ROUTING AND INSTALLATION WITH OTHER TRADES PRIOR TO ROUGH-IN. SUPPORT CONDUIT FROM STRUCTURE NOT ROOF DECK. MAINTAIN 2" MIN SPACING FROM BOTTOM OF ROOF DECK TO PREVENT ROOFING SORENS FROM PENETRATING CONDUITS.

KEYED PLAN NOTES

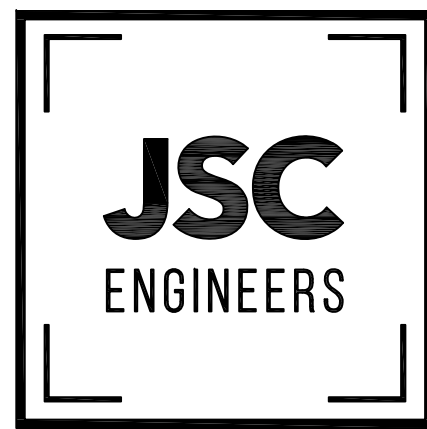
1. COORDINATE EXACT MOUNTING HEIGHT OF DEVICE WITH ARCHITECTURAL ELEVATIONS PRIOR TO CONSTRUCTION.
2. ROUTE CONDUIT(S) FOR HOMERUNS UNDERFLOOR TO NEAREST WALL CAVITY TO BE TURNED UP AND STUBBED OUT ABOVE ACCESSIBLE CEILING FOR ROUTING TO PANELBOARD. COORDINATE EXACT ROUTING WITH OWNER PRIOR TO CONSTRUCTION.
3. EXISTING PANELBOARD TO REMAIN. REFER TO PANELBOARD SCHEDULE ON THIS SHEET FOR MORE INFORMATION.

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ELECTRICAL PLANS