



5692 S.900 E. Suite 9,
Murray, UTAH, 84107

LOCATION PLAN

N.T.S.



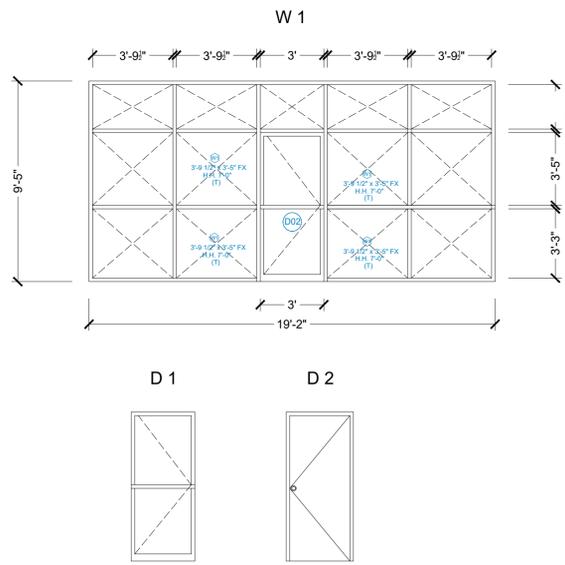
3 Pines Plan Review
11/14/2023 2:20:26 PM

2300801

| | | | |
|--------------|------------------------|-------------|--|
| PROJECT: | SPA ROYAL BEUTY | LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | LOCATION PLAN SUITE #9 | | |
| DRAWING NO.: | PROJECT NO.: | | |
| DRAWN BY: | F.A. | CHECKED BY: | |
| DATE: | 20 - AUG - 2023 | SHEET NO.: | |



A1



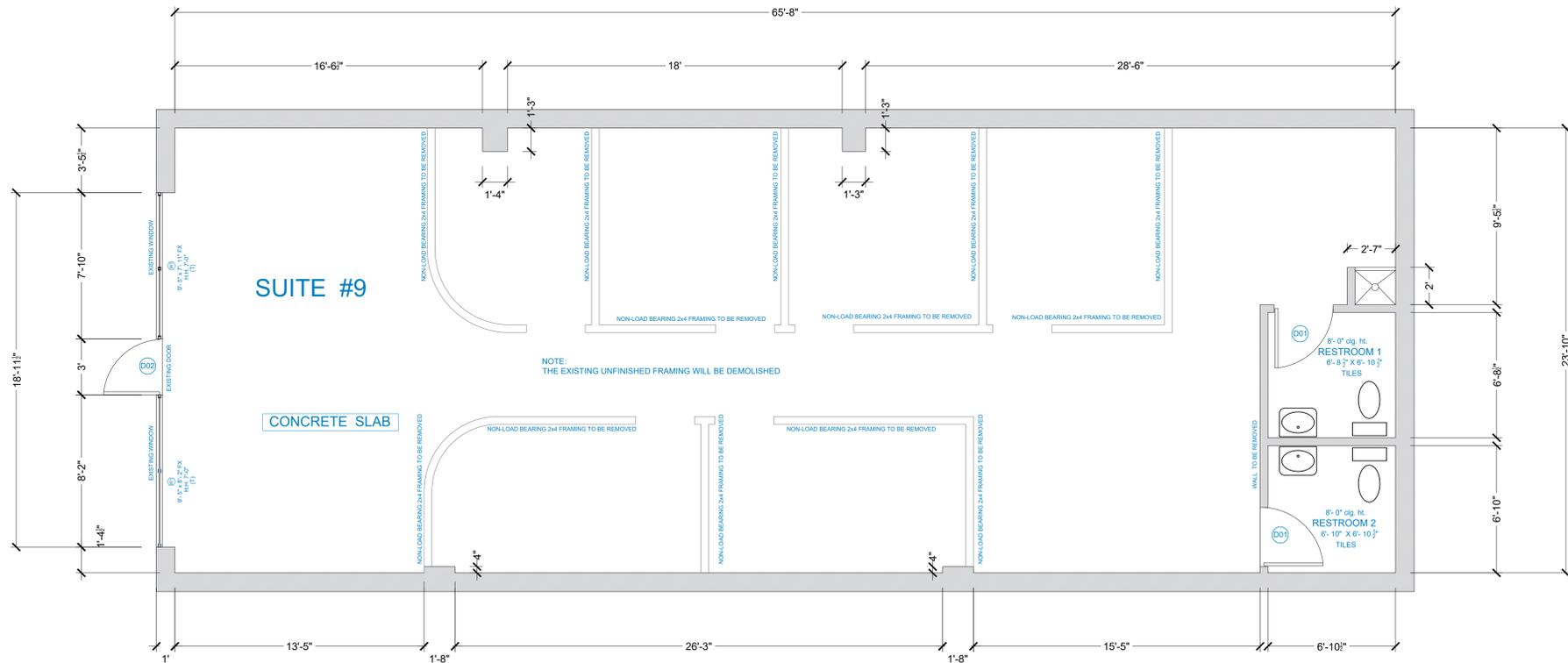
EXISTING DOOR AND WINDOW

SCALE: 1/4" = 1'-0"

| EXISTING DOOR SCHEDULE | | | | | | |
|------------------------|------|------------------------------|----------------|---------------|--------------|----------------------------------|
| SYM. | QTY. | DESCRIPTION | ROUGH OPENING | HDR CLEARANCE | MANUFACTURER | LOCATION |
| D01 | 2 | 3068 INTERIOR DOOR | 3'-2" x 6'-10" | 7'-0" | TBD | (1) RESTROOM 1 (1) RESTROOM 2 |
| D02 | 1 | 3068 EXTERIOR GLASS DOOR (T) | 3'-0" x 6'-10" | 7'-0" | TBD | (1) MAIN ENTRANCE |

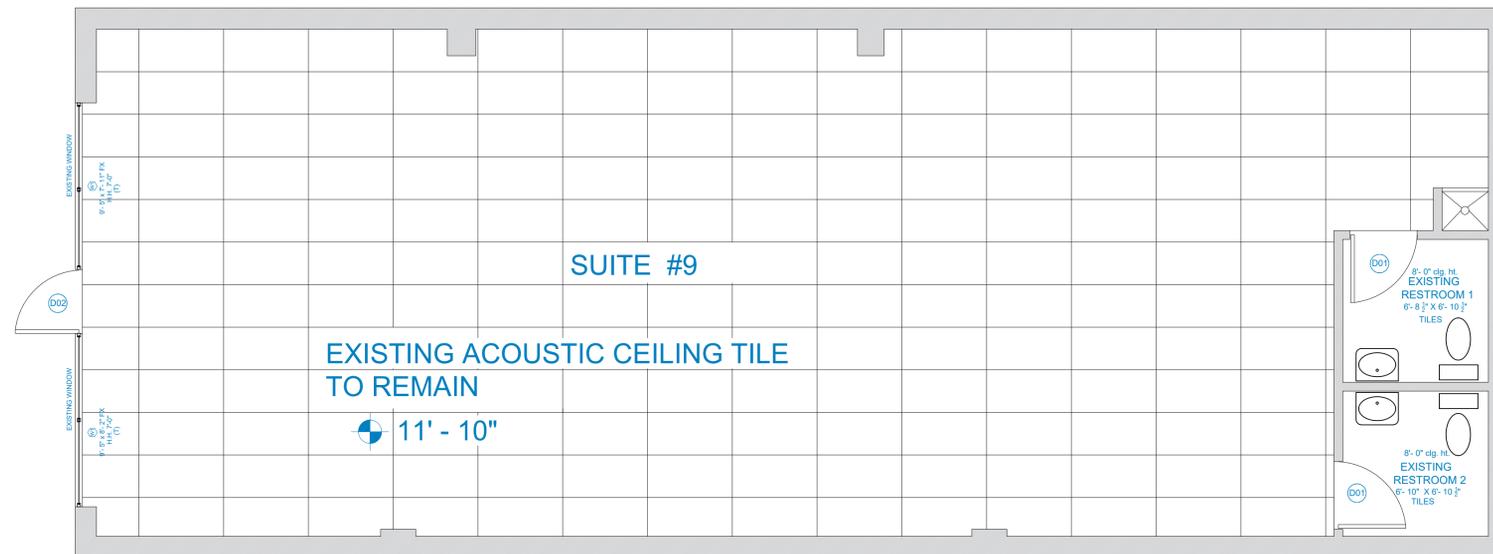
| EXISTING WINDOW SCHEDULE | | | | | |
|--------------------------|------|-----------------------|---------------|---------------------|---------------|
| SYM. | QTY. | DESCRIPTION | HDR CLEARANCE | DIMENSIONS | LOCATION |
| W1 | 1 | 5050 FIXED WINDOW (T) | 7'-0" | 18'-11 1/2" x 9'-5" | MAIN ENTRANCE |

| WINDOW CALLOUT LEGEND | |
|-----------------------|------------------------|
| TYPE | DESCRIPTION |
| FX | FIXED |
| SH | SINGLE HINGE |
| DSH | DOUBLE HINGE |
| SL | SLIDING |
| CS | CASEMENT |
| W | WIDTH |
| H | HEIGHT |
| SH | SHOWN |
| HT | HEAD HEIGHT FROM LEVEL |
| GT | GLASS TYPE |
| CC | SPECIAL COMMENTS |
| GT | GLASS TYPE |
| GT | GLASS TYPE |
| GT | GLASS TYPE |



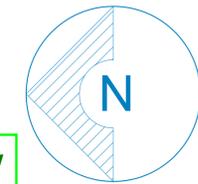
EXISTING MAIN FLOOR PLAN SUITE # 9

SCALE: 1/4" = 1'-0"



EXISTING MAIN FLOOR PLAN SUITE # 9

SCALE: 1/4" = 1'-0"



| | |
|--------------|--|
| PROJECT: | SPA ROYAL BEUTY |
| LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | EXISTING MAIN FLOOR SUITE # 9 |
| DRAWING NO.: | F.A. |
| DRAWN BY: | |
| CHECKED BY: | |
| DATE: | 20 - AUG - 2023 |
| PROJECT NO.: | |
| SHEET NO.: | |

SLCustom Builders
"If You Can Think It. We Can Build It"

A2

2300801

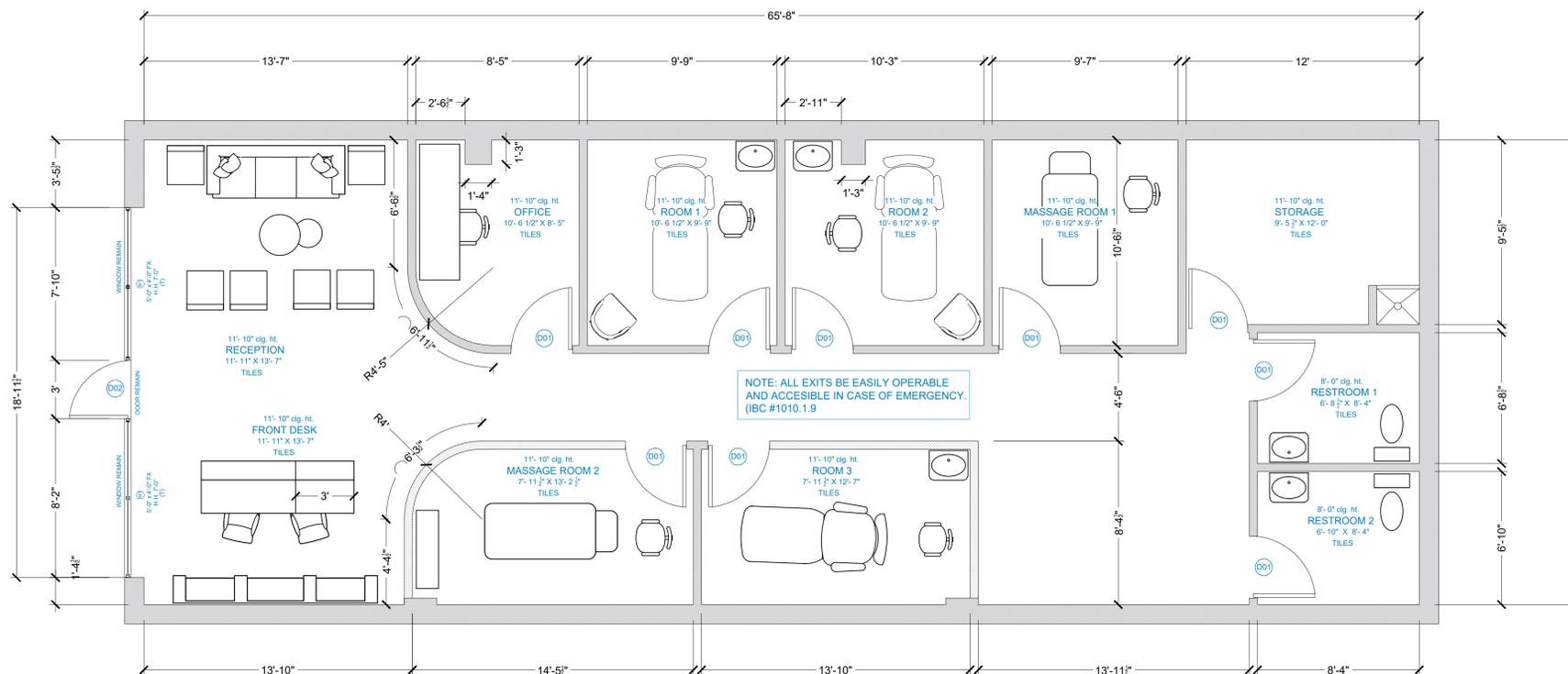
3 Pines Plan Review
11/14/2023 2:20:27 PM

SCHEDULE DOOR AND WINDOW

| DOOR SCHEDULE | | | | | | |
|---------------|------|------------------------------|----------------|---------------|--------------|--|
| SYM. | QTY. | DESCRIPTION | ROUGH OPENING | HDR CLEARANCE | MANUFACTURER | LOCATION |
| (D01) | 9 | 3088 INTERIOR DOOR | 3'-2" x 6'-10" | 7'-0" | TBD | (1) OFFICE (1) ROOM 1 (1) ROOM 2 (1) MASSAGE ROOM 1 (1) RESTROOM 1 (1) RESTROOM 2 (1) ROOM 3 (1) MASSAGE ROOM 2 |
| (D02) | 1 | 3088 EXTERIOR GLASS DOOR (T) | 3'-0" x 6'-10" | 7'-0" | TBD | (1) MAIN ENTRANCE |

| WINDOW SCHEDULE | | | | | |
|-----------------|------|-----------------------|---------------|---------------------|---------------|
| SYM. | QTY. | DESCRIPTION | HDR CLEARANCE | DIMENSIONS | LOCATION |
| (W1) | 1 | 5050 FIXED WINDOW (T) | 7'-0" | 18'-11 1/2" x 9'-5" | MAIN ENTRANCE |

| WINDOW CALLOUT LEGEND | |
|-----------------------|----------------------|
| TYPE | DESCRIPTION |
| FX | FIXED |
| HW | HANDLE HUNG |
| DL | DOUBLE HUNG |
| SL | SINGLE HUNG |
| CB | CASSETTE |
| COMMENTS | DESCRIPTION |
| (E) | GRILLS PER ELEVATION |
| (G) | TEMPERED GLASS |
| (T) | TEMPERED GLASS |



NEW MAIN FLOOR PLAN SUITE # 9

SCALE: 1/4" = 1'-0"

1,575.55 SFT

TENANT IMPROVEMENT
TYPE- II
 OCCUPANCY GROUP: B
 SMOKE DETECTOR: 9 Units



TENANT IMPROVEMENT
TYPE- II
 OCCUPANCY GROUP: B

IBC #1010.1.9
 ALL EXITS SHALL BE EASILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

ICC A117.1 CH.#4
 ACCESSIBLE ROUTE BETWEEN THE ACCESSIBLE PARKING AND THE BUILDING ENTRANCE, AND DOES NOT EXCEED A 5% RUNNING SLOPE AND A 2% CROSS SLOPE. THE CONTRACTOR AND THE BUILDING INSPECTOR SHALL VERIFY DURING THE INSPECTION

ALL SPRINKLERS WILL REMAIN AS THEY ARE CURRENTLY; NO CHANGES OR REPLACEMENTS WILL BE MADE. FIRE DEPARTMENT: IF MOVING/RELOCATING/REPLACING +5 SPRINKLER HEADS OR SMOKE DETECTORS DEFERRED PLANS TO MURRAY CITY FIRE MARSHAL OFFICE.

THE USE OF THE SPA/SALON WILL NOT BE FOR PAINTING NAILS.

LOCATION: 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107.

PROJECT: SPA ROYAL BEUTY

PROPOSAL MAIN FLOOR SUITE # 9

SHEET TITLE:

DRAWING NO.:

DRAWN BY: F.A.

DATE: 20 - AUG - 2023

PROJECT NO.:

CHECKED BY:

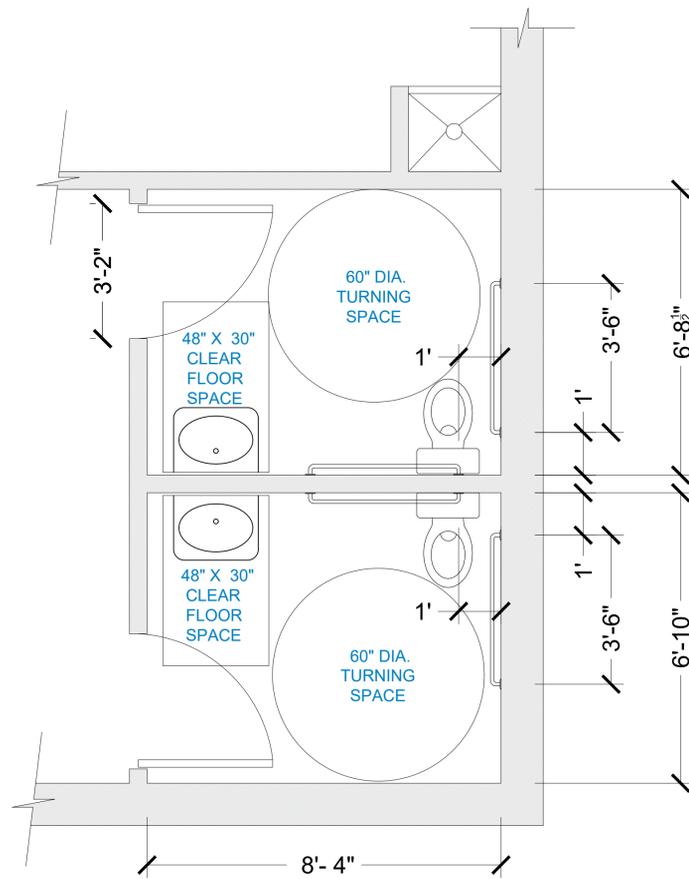
SHEET NO.:



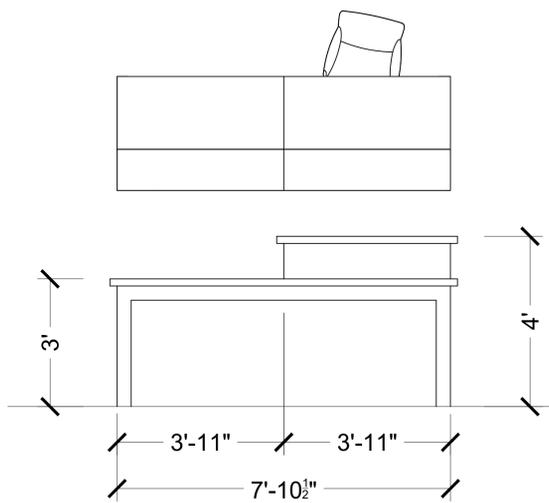
A3

3 Pines Plan Review
 11/14/2023 2:20:27 PM

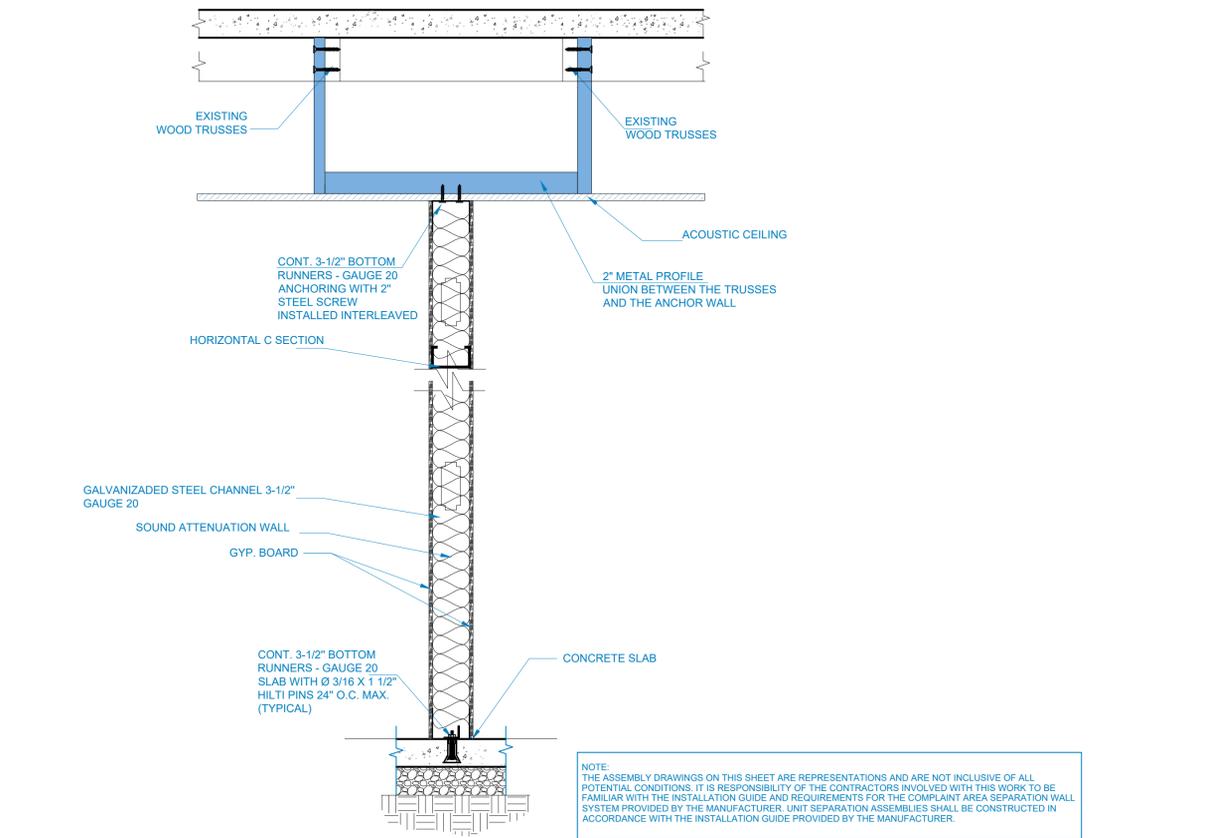
2300801



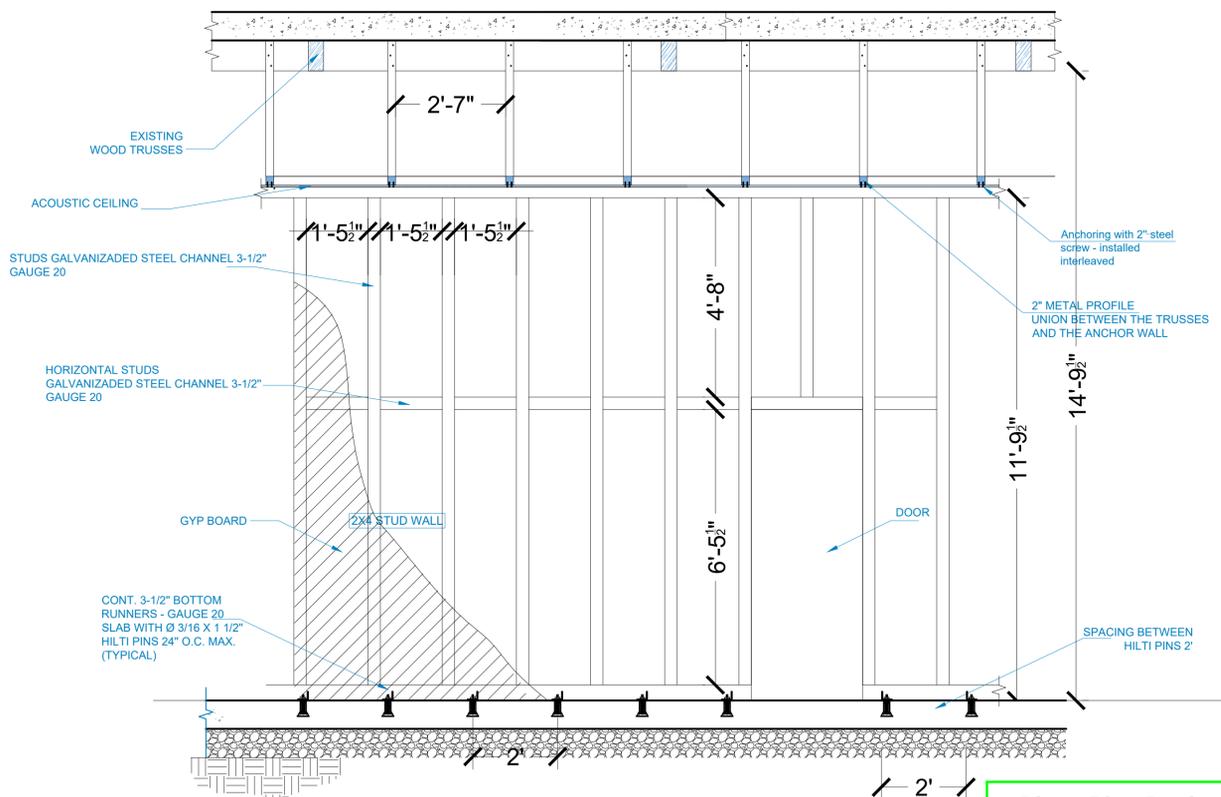
ADA RESTROOM PLAN
SCALE: 1/2" = 1'-0"



DETAIL FRONT DESK
SCALE: 1/2" = 1'-0"



NOTE:
THE ASSEMBLY DRAWINGS ON THIS SHEET ARE REPRESENTATIONS AND ARE NOT INCLUSIVE OF ALL POTENTIAL CONDITIONS. IT IS RESPONSIBILITY OF THE CONTRACTORS INVOLVED WITH THIS WORK TO BE FAMILIAR WITH THE INSTALLATION GUIDE AND REQUIREMENTS FOR THE COMPLIANT AREA SEPARATION WALL SYSTEM PROVIDED BY THE MANUFACTURER. UNIT SEPARATION ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INSTALLATION GUIDE PROVIDED BY THE MANUFACTURER.



TIPYCAL WALL SECTION
SCALE: 1/2" = 1'-0"

3 Pines Plan Review
11/14/2023 2:20:27 PM

2300801

| | |
|--------------|--|
| PROJECT: | SPA ROYAL BEUTY |
| LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | PROPOSAL MAIN FLOOR SUITE # 9 |
| DRAWING NO.: | F.A. |
| DRAWN BY: | |
| DATE: | 20 - AUG - 2023 |
| PROJECT NO.: | |
| CHECKED BY: | |
| SHEET NO.: | |



A4

GENERAL ELECTRICAL NOTES:

- 1.- THESE GENERAL NOTES APPLY TO ALL DRAWINGS UNDER THIS CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES.
- 2.- SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS, MAINTAIN HEADROOM AND SPACE CONDITIONING CONSISTENT WITH PROJECT CRITERIA.
- 3.- EXACT LOCATION OF LIGHTING FIXTURES SHALL BE IN ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLAN OR AS DIRECTED BY THE ARCHITECT.
- 4.- ELECTRICAL CONTRACTOR SHALL DETERMINE CEILING TYPE PRIOR TO PURCHASING AND INSTALLATION OF LIGHTING FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, OR ANY OTHER CEILING MOUNTED ELECTRICAL WORK SHALL ALSO BE COORDINATED WITH LOCATION OF DIFFUSERS, SPRINKLER HEADS, DUCTS, PIPING, AND OTHER MECHANICAL WORK.
- 5.- EXACT LOCATION AND MOUNTING HEIGHTS OF LIGHTING FIXTURES IN MECHANICAL EQUIPMENT, ELECTRICAL SWITCHGEAR, TELECOM AND PLUMBING EQUIPMENT PUMPS ROOM AREAS SHALL BE COORDINATED WITH ALL MEP TRADE & TELCOM TO AVOID INTERFERENCE WITH PIPING, DUCTS, AND EQUIPMENT. IN GENERAL, FINAL LOCATION OF LIGHTING FOR OPERATION AND MAINTENANCE OF PANELBOARDS, MOTOR CONTROLS, CONTROL AND INSTRUMENT PANELS AND GAUGES AND OTHER EQUIPMENT.
- 6.- LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS SHALL BE VERIFIED WITH INTERIOR DETAILS AND FINISHED AS SHOWN ON ARCHITECTURAL DRAWINGS. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIMS, PANELING, SUSPENDED CEILINGS AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT ANY ADDITIONAL EXPENSE TO THE OWNER.
- 7.- JUNCTION AND PULL BOXES SHALL BE GENERALLY FLUSH MOUNTED IN FINISHED SPACES. WHERE NECESSARY, CONDUITS SHALL BE REROUTED OR OTHER ARRANGEMENTS MADE FOR CONCEALMENT. PULL BOXES SHALL BE PROVIDED AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. FOR EMPTY RACEWAY RUNS, PULL BOXES SHALL BE PROVIDED EVERY 100 FEET AND AS INDICATED. MAXIMUM OF 4-90° CONDUIT BENDS SHALL NOT BE EXCEEDED. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. ALL PULL BOXES INSTALLED IN WALL/CEILING SHALL BE PROVIDED WITH READY ACCESSIBLE DOOR PANEL (TYPICAL TO ALL CONDUIT RUNS).
- 8.- BOXES SHALL BE SET SQUARE AND TRUE WITH BUILDING FINISH. WALL AND SWITCH OUTLETS SHALL ERRECTED IN ADVANCE OF FURRING AND FIREPROOFING. BOXES SHALL BE SECURED TO BUILDING STRUCTURE BY STRAP IRONS.
- 9.- LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS, SWITCH SHALL BE INSTALLED ON SIDE OPPOSITE HINGE. FINAL LOCATION SHALL BE VERIFIED IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
- 10.- ALL SUPPORTS TO BUILDING STRUCTURES SHALL BE SECURED BY MEANS OF TOGGLE BOLTS ON HOLLOW MASONRY WALLS, EXPANSION SHIELD OR INSERTS IN CONCRETE OR BRICK, MACHINE SCREWS ON METAL SURFACE, AND WOOD SCREWS ON WOOD CONSTRUCTION. SCREWS ON WOOD CONSTRUCTION.
- 11.- HORIZONTAL RUNS OF METALLIC CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 10 FEET APART. RACEWAY RISERS SHALL BE SUPPORTED AT EACH FLOOR LEVEL, EXPOSED RACEWAYS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
- 12.- PANELS, JUNCTION BOXES AND PULL BOXES SHALL BE SUPPORTED INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUITS.
- 13.- ALL ACCESS DOORS REQUIRED FOR ELECTRICAL WORK SHALL BE FURNISHED UNDER THE ELECTRICAL SECTION AND INSTALLED UNDER GENERAL CONSTRUCTION. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO INSTALLATION.
- 14.- MOUNTING HEIGHTS OF DEVICES AND OUTLET BOXES SHALL BE SUBMITTED AND APPROVED AND SHALL BE AS DESCRIBED IN THE SPECIFICATIONS OR SHALL BE AS SPECIFIED BY THE ARCHITECT OR OWNER.
- 15.- ALL DISCONNECT SWITCHES AND CIRCUIT BREAKERS IN FINISHED AREAS SHALL BE RECESSED IN WALL OR MOUNTED IN ACCESSIBLE CEILING, SUBJECT TO APPROVAL OF THE ARCHITECT AND/OR ENGINEER.
- 16.- ELECTRICAL RACEWAY SHALL BE INSTALLED WITHIN 6" OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT FOR CROSSING WHERE RACEWAYS SHALL BE AT LEAST 1" FROM PIPE COVER. WHERE 6" MINIMUM SEPARATION SHALL BE PROVIDED RACEWAYS.
- 17.- HORIZONTAL OR CROSS RUNS IN PARTITIONS OR WALLS ARE NOT PERMITTED.
- 18.- CONDUIT ENDS SHALL BE CUT SQUARE AND REAMED SMOOTH. PAINT MALE THREADS OR FIELD THREADED CONDUIT WITH HOMOGENIZED BLEND OF COLORED COPPER AND RUST AND CORROSION INHIBITANT PIPE COMPOUND SIMILAR TO "T & B" COPPERSHIELD. BUTT CONDUIT ENDS.
- 19.- FINAL CONNECTIONS TO MOTOR TERMINAL BOXES, TRANSFORMERS AND OTHER VIBRATING EQUIPMENT SHALL BE MADE WITH "SEALITE" FLEXIBLE CONDUIT: MINIMUM 18" IN LENGTH WITH 50 PERCENT SLACK. DO NOT FASTEN RACEWAYS TO MOTOR FOUNDATION.
- 20.- SUFFICIENTLY LONG WIRE SLACK SHALL BE LEFT IN RUNS TO MAKE FINAL CONNECTIONS. ALL EMPTY CONDUITS OVER 10 FEET LONG SHALL BE PROVIDED WITH NYLON DRAG LINE.
- 21.- THE ELECTRICAL CONTRACTOR SHALL NOT INSTALL MORE THAN THE NUMBER OF CIRCUITS SHOWN IN ANY HOMERUN.
- 22.- WIRE COLOR CODING SHALL CONFORM TO CODE REQUIREMENTS. MULTIPLE CONDUCTORS OF CONTROL AND SIGNAL CABLE SHALL BE COLOR CODED PER IPCEA. COLOR CODING, ONCE ESTABLISHED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
- 23.- FIRE ALARM WIRING IN PLENUMS SHALL BE INSTALLED IN RIGID GALVANIZED CONDUIT.
- 24.- WHERE APPLICABLE, INDIVIDUAL SINGLE-PHASE, TWO-WIRE RECEPTACLE HOMERUNS SHALL BE COMBINED INTO 3-PHASE, 4-WIRE HOMERUN TO REDUCE THE QUANTITY OF CONDUITS ENTERING THE RESPECTIVE PANELS TO A MINIMUM. HOMERUN SHALL NOT CONTAIN MORE THAN ONE SUCH 3-PHASE, 4-WIRE CIRCUIT, UNLESS SPECIFICALLY INDICATED ON DRAWINGS.
- 25.- COMPLETE ELECTRICAL INSTALLATION SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED TO COLD WATER MAIN AHEAD OF METER FOR MAIN SERVICE EQUIPMENT OR BUILDING STEEL FOR DISTRIBUTION AND SEPARATELY DERIVED SYSTEM AND IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE REQUIREMENTS, WHETHER OR NOT SUCH CONNECTIONS ARE SPECIFICALLY IDENTIFIED. MEASURED RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS.
- 26.- USE GROUND FAULT TYPE DEVICES IN WET AND DAMP LOCATIONS AND WHERE LOCATED WITHIN 6 FEET OF SINK OR FAUCET OR AS REQUIRED.
- 27.- LOCATION OF OUTLETS ALONG BUILDING PERIMETER WALL SHALL BE COORDINATED WITH HVAC WORK TO AVOID ANY INTERFERENCE.
- 28.- ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENT OF THE NATIONAL ELECTRICAL CODE WITH NYC AMENDMENTS, A.D.A., A.N.S.I., N.E.M.A., NFPA, UL, 2006 NYC CONSTRUCTION CODE, AND ALL COVERING AGENCIES HAVING JURISDICTION.
- 29.- CONTRACTOR SHALL PROVIDE INSPECTION CERTIFICATE UPON COMPLETION OF WORK.
- 30.- CONTRACTOR SHALL REFLECT IN THIS BID PROVIDING ARMORED CABLE (BX) WIRING FOR ALL CONCEALED DISTRIBUTION (RISERS) IN LIEU OF CONDUIT AND WIRE. SIZE OF CONDUCTORS SHALL BE EQUAL TO THOSE SHOWN ON PANEL SCHEDULES.
- 31.- PROVIDE ARC-FAULT INTERRUPTER TO ALL 15 OR 20A, 120V OUTLETS INCLUDING THE A/C & LIGHTING RECEPTACLES INSTALLED IN BEDROOMS, LIVING/DINING ROOMS, CLOSETS, HALLWAYS OR SIMILAR AREAS.
- 32.- ALL 125V, 20A RECEPTACLES INSTALLED IN DWELLING UNITS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.
- 33.- INSTALL (2) ADDITIONAL DUPLEX RECEPTACLES IN EACH APARTMENT, AS PART OF THE BASE BID FOR UNFORSEEN CONDITION.
- 34.- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR CORRECT LOCATION AND CORRECT COUNTS OF LIGHTING FIXTURES.
- 35.- COORDINATE WITH HVAC, PLUMBING, & SPRINKLER DWGS BEFORE BIDDING.
- 36.- SUBMIT SHOP DRAWINGS INDICATING THE LOCATIONS OF SWITCHBOARD & PANELBOARD BEFORE INSTALLATION.
- 37.- EACH DWELLING UNIT SHALL BE PROVIDED WITH APPROVED COMBINATION SMOKE/CARBON MONOXIDE DETECTOR INSIDE SLEEPING ROOM AND WITHIN 15- FEET FROM THE ENTRANCE OF SLEEPING ROOM. ALL SMOKE/CARBON MONOXIDE DETECTOR COMBO INSTALLED INSIDE THE APARTMENT SHALL BE INTERLOCKED WITH EACH OTHER SO THAT, IF ONE IS ACTIVATED ALL DETECTORS SHALL BE ACTIVATED AS WELL.
- 38.- ALL LIGHTING FIXTURES, OUTLET, DISCONNECT SWITCHES, J-BOXES, CONDUITS, FITTINGS, ETC. IN OUTDOOR OR WET LOCATION INSTALLATION TO BE RAIN TIGHT/WEATHERPROOF TYPE NEMA 4X TYPE.
- 39.- ELECTRICAL CONTRACTOR TO COORDINATE EQUIPMENT OR NEMA CONFIGURATION FOR THE RECEPTACLES TO MATCH PLUG. (TYPICAL).
- 40.- ALL CONDUIT ROUTING ARE DIAGRAMMATIC ONLY. ALL ROUTING OF CONDUITS SHALL BE COORDINATED WITH ARCHITECT AND BUILDING ENGINEER. CONTRACTOR SHALL CAREFULLY STUDY WITH OTHER TRADES NEW DRAWING FLOOR PLANS SUCH HVAC DUCT WORK/EQUIPMENT, PLUMBING SPRINKLER, LIGHTING, FIRE ALARM, CONTROLS, ETC... LOCATIONS AND ADJUST ACCORDINGLY THE ROUTING TO AVOID CONFLICT DURING INSTALLATION. ROUT CONDUITS TIGHT TO BOTTOM OF SLAB OR BEAM AND PROVIDE ALL OFFSET AND BENDS TO ACCOMMODATE THE EXISTING CONDITION IN FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING/LOCATING ALL CONDUITS ROUTING, CEILING/WALL PENETRATIONS AND TO INCLUDE ALLOWANCE IN HIS BID PRICE PRIOR TO ANY WORK.
- 41.- CONTRACTOR TO COORDINATE UNDERGROUND CONDUITS ROUTING WITH ARCHITECT AND STRUCTURAL DRAWINGS. ADJUST UNDERGROUND ROUTING TO AVOID CONFLICT TO STRUCTURAL FOOTING/FOUNDATION PLANS AND TO ALL OTHER TRADES. PROVIDE PULL-BOX OR HAND-HOLE WHERE REQUIRED AND TO INCLUDE IN HIS BID ALLOWANCE PRIOR TO ANY WORK.
- 42.- ALL FLOOR MOUNTED OUTLETS, FLOOR PENETRATIONS (CORE DRILL/THRENCING), METHODS OF ATTACHMENT TO STRUCTURE AND EQUIPMENT WEIGHTS SHALL BE APPROVED BY THE BASE BUILDING STRUCTURAL ENGINEER.

ELECTRICAL CIRCUITING NOTES:

- 1.- CIRCUIT NUMBERS ARE FOR REFERENCE ONLY AND INDICATE THE OUTLETS AND FIXTURES REQUIRED TO BE CONNECTED TO DESIGNATED CIRCUITS.
- 2.- THE IS RESPONSIBLE FOR DETERMINING AND PROVIDING THE ACTUAL NUMBER OF CONDUCTORS REQUIRED FOR ALL BRANCH CIRCUIT WIRING TO SERVE THE INTENDED FUNCTION.
- 3.- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY BALANCING LOADS AMONG ALL THREE PHASES.
- 4.- ALL CIRCUIT BREAKER SERVING MECHANICAL LOADS SHALL BE TYPE "HACR".
- 5.- PROVIDE PANEL DIRECTORIES.

ELECTRICAL POWER NOTES:

- 1.- ALL APARTMENT PANELS SHALL BE FLUSHED WITH WALLS.
- 2.- CONVENIENCE RECEPTACLES SHALL BE MOUNTED NO MORE THAN 48" A.F.F. AND NO LESS THAN 15" A.F.F. RECEPTACLES ABOVE COUNTER TOPS MUST BE MOUNTED NO MORE THAN 48" A.F.F..
- 3.- FOR FINAL LOCATION OF MECHANICAL EQUIPMENT, COORDINATE WITH MECHANICAL DRAWINGS. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED CONTROL/INTERLOCK WIRING FOR ALL HVAC EQUIPMENT. PROVIDE ONE (1) 120V CIRCUIT FOR HVAC CONTROLS.
- 4.- RECEPTACLE CIRCUITS ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO EACH RECEPTACLE AND ALL CIRCUIT NUMBERS SHOWN ARE FOR GROUPING PURPOSES ONLY. ANY CHANGES TO CIRCUIT ASSIGNMENTS DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE FIELD REPRESENTATIVE.
- 5.- MINIMUM WIRE SIZE FOR ALL 120V OR 208V POWER SHALL BE #12 AWG. BRANCH CIRCUIT RUNS IN EXCESS OF 100 FEET FROM THE PANEL TO THE DEVICE SHALL BE PROVIDED WITH #10 MINIMUM AWG WIRE FOR ITS ENTIRE LENGTH.
- 6.- ALL RECEPTACLES SHALL BE PROVIDED WITH GROUND CABLE. PROVIDE 1-#12 POWER, 1-#12 NEUTRAL, AND 1-#12 GROUND. PROVIDE #10 GROUND WIRES WHERE NOT PROVIDED ON EXISTING RECEPTACLE WIRING.
- 7.- ELECTRICIAN TO PROVIDE ALL RECEPTACLES (DECORA TYPE) WITH WHITE FINISH AND TRIM PLATES (LUTRON CLARO SERIES), ALL IN GLOSSY WHITE. FINAL APPROVAL BY ARCHITECT.
- 8.- ALL CIRCUITS TO BE CLEARLY LABELED ON ELECTRICAL PANELS.
- 9.- ADJUSTMENT TO POWER LAYOUT DUE TO UNFORSEEN CONDITIONS MUST BE APPROVED BY ARCHITECT.
- 10.- ROUTING OF ELECTRICAL CONDUITS IN EXTERIOR BUILDING WALLS, DEMISING WALLS, AND FLOOR SLABS SHALL NOT BE PERMITTED.
- 11.- ALL CABLE AND CONDUIT PENETRATIONS AT FIRE RATED WALLS SHALL BE FIRE STOPPED.
- 12.- ALL CONDUITS SHALL BE INSTALLED TIGHT TO CEILING OR WALL, PARALLEL/ PERPENDICULAR TO BUILDING LINES AND WRAP AROUND BEAM AND COLUMNS, WHEN EXPOSED, COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- 13.- SMOKE AND CARBON MONOXIDE DETECTING DEVICES AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE STATE CODE.
- 14.- ALL POWER CABLES SHALL BE IN METALLIC CONDUITS OR FLEXIBLE METAL CONDUIT. LOW VOLTAGE CABLES FOR COMMUNICATION SHALL BE PLENUM RATED.
- 15.- ALL EXPOSED WIRING SHALL BE INSTALLED IN EMT CONDUITS, MINIMUM 3/4" DIA. NO INSTALLATION OF BX OR FLEXIBLE MC CONDUIT WILL BE PERMITTED WHERE EXPOSED.
- 16.- ALL POWER RECEPTACLES IN RESIDENTIAL UNITS AND PUBLIC SPACE SHALL BE TAMPER RESISTANT, AND SHALL BE LISTED AS TAMPER RESISTANT.

ELECTRICAL EQUIPMENT NOTES:

- 1.- FOR EXACT LOCATION AND MOUNTING OF ALL NEW EQUIPMENT, COORDINATE WITH MECHANICAL CONTRACTOR, ARCHITECT, OR OWNER'S REPRESENTATIVE.
- 2.- ALL EQUIPMENT CONNECTIONS SHALL BE PROVIDED WITH GROUND CABLE.
- 3.- ALL SURFACE MOUNTED POWER SUPPLY CABLES (WHERE EXPOSED, OR OPEN CEILING) SHALL BE RUN IN EMT CONDUITS WITH COMPRESSION COUPLINGS. PROVIDE JUNCTION BOXES AND SPLICE BOXES AS AVAILABLE.
- 4.- ALL POWER SUPPLY WIRING AND TERMINATION FROM PANEL TO ALL EQUIPMENT SHALL BE DONE BY THE ELECTRICAL CONTRACTOR. ALL CONTROL WIRING ASSOCIATED WITH THE NEW AIR CONDITIONING EQUIPMENT SHALL BE DONE BY THE MECHANICAL CONTRACTOR (IF APPLICABLE). BOTH CONTRACTORS SHALL COORDINATE ROUTING OF ALL RACEWAY TO MINIMIZE WALL PENETRATIONS.
- 5.- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL POWER SUPPLY, CONTROLS AND INTERLOCKS.
- 6.- ALL BUILDING PENETRATIONS FOR CONDUITS AND WIRING SHALL BE RESTORED TO ITS ORIGINAL CONDITION UPON COMPLETION OF ELECTRICAL WORK.
- 7.- ALL HVAC CONTROL CABLES SHALL BE IN CONDUIT. NO PLENUM INSTALLATION IS ALLOWED.
- 8.- ALL POWER CABLES SHALL BE IN METALLIC CONDUITS OR FLEXIBLE METAL CONDUIT. LOW VOLTAGE CABLES FOR COMMUNICATION SHALL BE PLENUM RATED.
- 9.- FOR EQUIPMENT WIRE SIZES, SEE PANEL SCHEDULES.
- 10.- ALL FAN COIL UNITS SHALL HAVE DISCONNECT SWITCH RATED 30 AMPERES, 2-POLES MINIMUM UNLESS OTHERWISE SPECIFIED.

| | | |
|---------------------------------|---|---------------------------------|
| PROJECT: SPA ROYAL BEUTY | LOCATION: 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. | ELECTRIC NOTES SUITE # 9 |
| SHEET TITLE: | | PROJECT NO.: |
| DRAWING NO.: | | CHECKED BY: |
| DRAWN BY: F.A. | | SHEET NO.: |
| DATE: 20 - AUG -2023 | | |



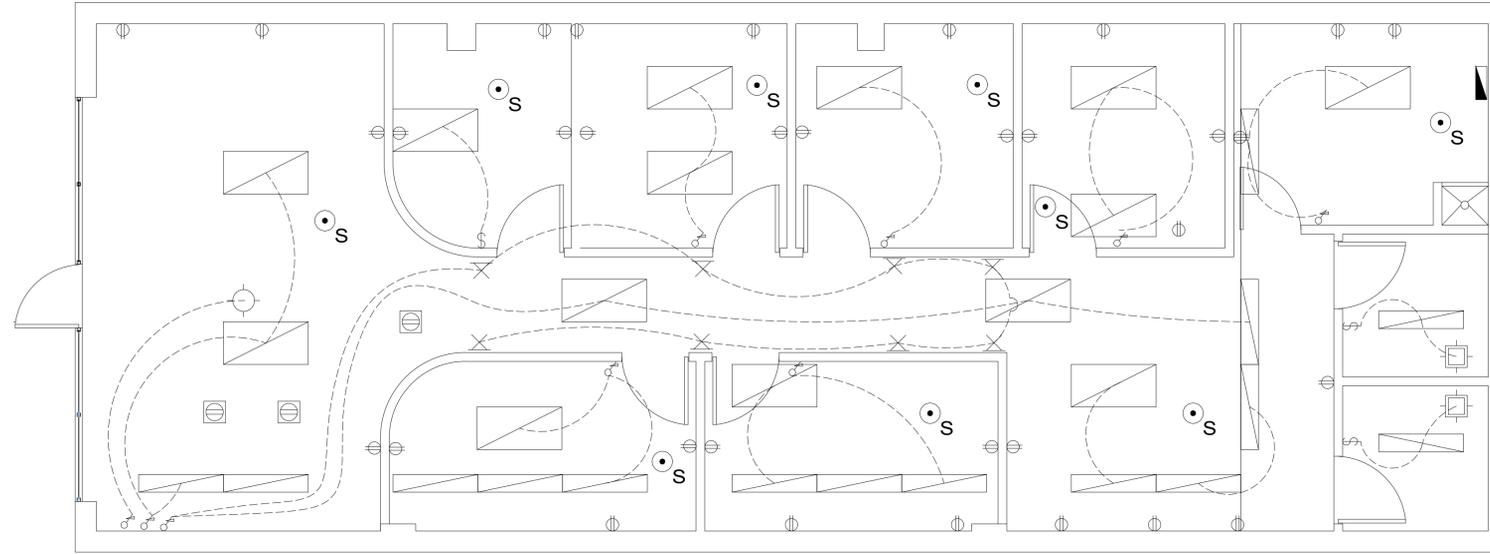
3 Pines Plan Review
11/14/2023 2:20:27 PM

2300801



ELECTRICAL PLAN
MAIN FLOOR PLAN

Scale: 1/4"=1'- 0"



| SYMBOL LEGEND | |
|--------------------------------|-------|
| SMOKE DETECTOR W/ BATTERY BACK | ⊙ S |
| WALL MOUNT 1 | ⊗ |
| EXHAUST FAN | ⊞ |
| RECESSED INCDNT, LIGHT FIX. | ⊠ |
| LIGHT | ⊙ |
| MODULAR CEILING LIGHT 2' X 4' | ▭ |
| MODULAR CEILING LIGHT 10" X 4' | ▭ |
| OUTLET | ⊕ |
| OUTLET 220V | ⊕ |
| OUTLET GFI | ⊕ GFI |
| SMOKE DETECTOR | ⊙ |
| SWITCH | ⊙ |
| SWITCH 3 WAY | ⊙ |
| OUTLET FLOOR | ⊕ |
| WALL MOUNT 1 | ▭ |
| DIMMER | ⊙ |

3 Pines Plan Review
 11/14/2023 2:20:28 PM

2300801

| | | | |
|--------------|--------------------------|--------------|--|
| PROJECT: | SPA ROYAL BEUTY | LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | ELECTRICAL PLAN SUITE #9 | | |
| DRAWING NO.: | | PROJECT NO.: | |
| DRAWN BY: | F.A. | CHECKED BY: | |
| DATE: | 20 - AUG - 2023 | SHEET NO.: | |



E2

FANS SCHEDULE

| | | | |
|----------------------|-----------------------|---|------------------|
| UNIT NO. | TX - 70 | REMARKS: 1.- PROVIDE MOTORIZED DAMPERS (MD) FOR ALL EXHAUST AND SUPPLY 2.- ALL FANS SHALL BE PROVIDED WITH HIGH EFFICIENCY MOTORS MEETING THE REQUIREMENTS OF IMC 2015. 3. ALL FANS SHALL BE PROVIDED WITH VIBRATION INSOLATORS (SEE SPECS). 4.- ALL FANS SHALL BE PROVIDED WITH MOTOR STARTERS AND DISCONNECT SWITCHES. 5.- PROVIDE ALL DOWNBLAST FANS WITH 18" HIGH SOUND ATTENUATING ROOF CURB. 6.- ALL IN-LINE SHALL BE FURNISHED WITH MOTOR COVERS & HANG FROM BUILDING STRUCTURE WITH VIBRATION ISLATORS. 7.- FANS FURNISHED WITH VARI-GREEN MOTOR SHALL BE FURNISHED WITH EC MOTOR WITH MOUNTED POTENTIOMETER DIAL SEE SPECIFICATIONS. 8.- ALL CONTROLLERS TO BE PROVIDED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR. 9.- PROVIDE ALL REQUIRED FEATURES AND ACCESSORIES FOR PROPER UNIT OPERATION. 10.- ALL OUTSIDE AIR SUPPLY FAN SHALL BE INTERLOCKED WITH RESPECTIVE FCU. | |
| LOCATION | AS SHOWN | | |
| SERVICE | TOILET EXHAUST | | |
| FAN DATA | VOLUME (CFM) | | AS SHOWN |
| | TYPE | | 70 |
| | EXT. SP (IN. WG) | | CEILING MOUNTED |
| | FRPM | | 0.4 |
| | OPERATING POWER (BHP) | | 935 6.1 WATTS |
| | DRIVE | | DIRECT DRIVE |
| ELECTRICAL DATA | MOTOR SIZE (HP) | | - |
| | MOTOR RPM | 935 | |
| | VOLTS/PH/HZ | 115/1/60 | |
| | FLA | - | |
| STARTER | TYPE | THERMINAL | |
| | SWITCHES | WALL MOUNTED | |
| VIBRATION INSOLATION | TYPE | SPRING | |
| | DEFLECTION | - | |
| DIMENSIONS (IN.) | - | | |
| WEIGHT (LBS) | 12 | | |
| MANUFACTURER | GREENHECK | | |
| MODEL No. | SP-80-VG | | |

| PIPING MATERIALS | | | | | |
|-----------------------------|------|----------|--------|----------|-------------|
| SERVICE | SIZE | MATERIAL | TYPE | WEIGHT | STANDARD |
| REFRIGERANT | ALL | COPPER | HARD | TYPE ACR | ASTM B88 |
| COOLING CONDENSATE | ALL | COPPER | HARD | TYPE L | ASTM B88 |
| MATERIALS FOR PIPE FITTINGS | | | | | |
| SERVICE | SIZE | MATERIAL | TYPE | WEIGHT | STANDARD |
| REFRIGERANT | ALL | OUGH COP | BRAZED | STANDARD | ASTM B16.22 |
| COOLING CONDENSATE | ALL | COPPER | SOLDER | STANDARD | ASTM B16.23 |

| MINIMUM PIPE INSULATION THICKNESS. (IN) | | | | | | |
|---|-------------------------------|-----------------------------|------------------------------------|---------------|--------------|------------|
| FLUID OPERATING TEMPERATURE RANGE AND USAGE REFRIGERANT (F) | INSULATION CONDUCTIVITY | | NOMINAL PIPE OR TUBE SIZE (INCHES) | | | |
| | CONDUCTIVITY (BTU. IN/H.FT.F) | MEAN RATING TEMPERATURE.(F) | < 1 | 1 TO < 1-1/2" | 1-1/2" TO<4" | 4" TO < 8" |
| 40 - 60 | 0.21 - 0.28 | 75 | 1.00 | 1.00 | 1.50 | 1.50 |
| < - 40 | 0.21 - 0.27 | 50 | 0.50 | 0.50 | 1.00 | 1.00 |

3 Pines Plan Review
 11/14/2023 2:20:28 PM

2300801

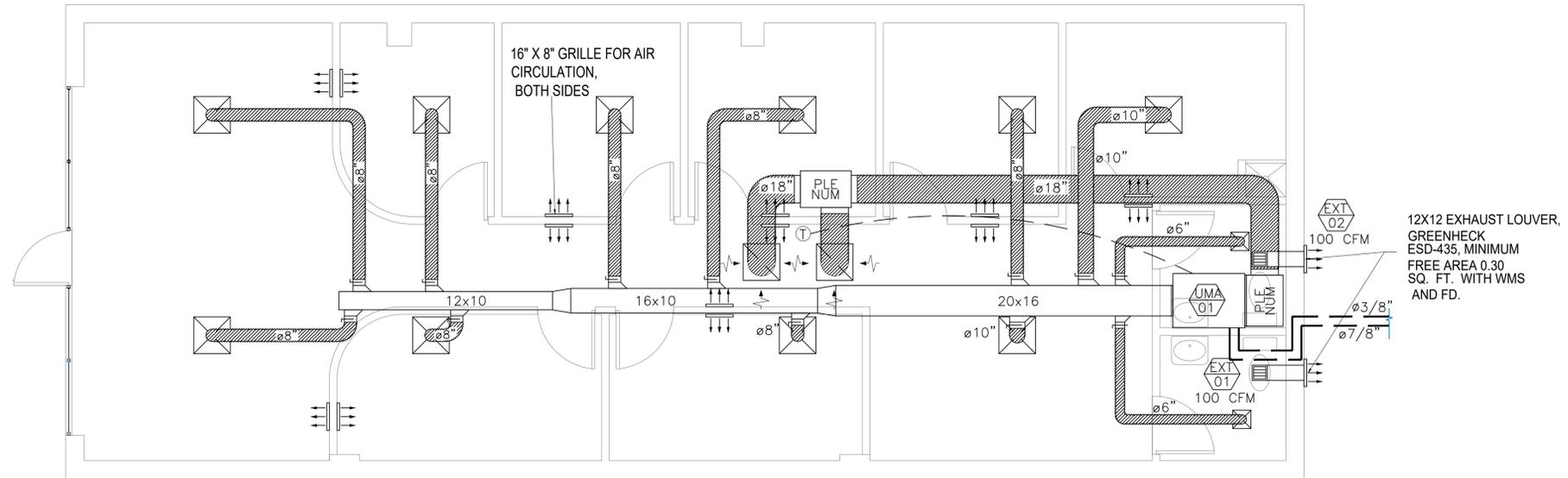
| | | | |
|--|--|----------------------|--|
| PROJECT: SPA ROYAL BEUTY SHEET TITLE: | LOCATION: 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. PROJECT NO.: CHECKED BY: F.A. SHEET NO.: 20 - A00 - 2023 | HVAC NOTES SUITE # 9 | <p style="font-size: 2em; font-weight: bold; text-align: center;">M1</p> |
|--|--|----------------------|--|

GENERAL NOTES:

1. INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION MANUAL AND SERVICE CLEARANCE REQUIREMENT TO ENSURE PROPER OPERATION. REFER TO DWG M-200 SERIES FOR EQUIPMENT SCHEDULES.
2. PROVIDE FIRE DAMPER WITH ACCESS DOOR ON DUCTWORK PENETRATION OF FIRE-RATED PARTITION WALL, SHAFT WALL OR SLAB.
3. ALL DUCT DIMENSIONS CAN BE RECONFIGURED UP TO 3:1 RATIO MAINTAINING THE SAME AREA.
4. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR EQUIPMENT ELECTRICAL REQUIREMENTS.
5. BEFORE STARTING ANY WORK, CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DESIGN DRAWINGS FOR ALL TRADES INCLUDING ARCHITECTURAL, HVAC, ELECTRICAL, SPRINKLER, PLUMBING, ETC. VERIFY DIMENSIONS, SPACE REQUIREMENTS, AND POINTS OF CONNECTION TO FIXTURES AND EQUIPMENT. MAKE ADJUSTMENTS AS REQUIRED TO AVOID CONFLICT WITH ALL TRADES.
6. LOCATE ALL ENVIRONMENTAL EXHAUST AIR OUTLETS MINIMUM 10' AWAY FROM ANY OUTSIDE AIR INTAKE OPENINGS, 3' AWAY FROM ANY OPERABLE OPENINGS TO THE BUILDING, 3' AWAY FROM PROPERTY LINE. SUCH EXHAUST SHALL NOT BE HAZARDOUS OR NOXIOUS.
7. LOCATE ALL HAZARDOUS OR NOXIOUS EXHAUST AIR OUTLETS MINIMUM 10' AWAY FROM ANY OUTSIDE AIR INTAKE OPENINGS, 10' AWAY FROM ANY OPERABLE OPENINGS TO THE BUILDING, 10' AWAY FROM PROPERTY LINE.
8. PER NYC BC 1013.5 GUARDS SHALL BE PROVIDE WHERE APPLIANCES, EQUIPMENT, FANS, ETC THAT REQUIRE SERVICE LOCATED WITHIN 10 FT OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30" ABOVE THE FLOOR, ROOF OR GRADE BELOW.

HVAC EQUIPMENT NOTES

INSTALL EQUIPMENT PER MANUFACTURER'S INSTALLATION MANUAL AND SERVICE CLEARANCE REQUIREMENT TO ENSURE PROPER OPERATION.



| SYMBOL LEGEND | |
|---------------|--|
| | FLEXIBLE DUCT |
| | INSULATED RECTANGULAR RIGID DUCT 24-GAUGE SHEET METAL |
| | 4-WAY AIR DIFFUSER |
| | RETURN GRILLE |
| | EXHAUST GRILLE |
| | EXTERIOR/INTERIOR GRILLE |
| | DAMPER |
| | THERMOSTAT |
| | CONDENSING UNIT |
| | AIR HANDLING UNIT |
| | INLINE EXHAUST FAN |
| | PIPING |

NOTE:
A HVAC REPORT WILL BE PROVIDED AT THE FINAL INSPECTION TO VERIFY THE PROPER FUNCTIONING OF THE HVAC SYSTEM ACCORDING TO THE PLANS.

**HVAC PLAN
MAIN FLOOR PLAN**
Scale: 1/4"=1'- 0"

3 Pines Plan Review
11/14/2023 2:20:28 PM

2300801

| | | | |
|--------------|-----------------|--------------|--|
| PROJECT: | SPA ROYAL BEUTY | LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | | PROJECT NO.: | HVAC PLAN SUITE #9 |
| DRAWING NO.: | | CHECKED BY: | |
| DRAWN BY: | F.A. | SHEET NO.: | |
| DATE: | 20 - AUG -2023 | | |

M2

| PLUMBING SPECIFICATIONS | |
|---|--|
| A. GENERAL | |
| 1.- | THE ENTIRE INSTALLATION, INCLUDING ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP, SHALL CONFORM TO ALL APPLICABLE LAWS, CODES, AND REGULATIONS OF MUNICIPAL, COUNTY, STATE, AND FEDERAL AUTHORITIES AND IN COMPLIANCE WITH THE LATEST EDITIONS OF THE LIFE SAFETY CODE, LOCAL BUILDING CODE, PLUMBING AND HEALT CODES, AND ALL AMENDMENTS. |
| 2.- | IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE, FINISHED, TESTED ADJUSTED, AND OPERATIONAL PLUMBING SYSTEM. ANY APPARATUS, MATERIAL, WORK, OR INCIDENTAL ITEMS REQUIRED TO MAKE THE SYSTEM COMPLETE AND READY FOR OPERATION SHALL BE INCLUDED IN THE PLUMBING CONTRACTOR'S PROPOSAL (BID) WHETHER OR NOT IT IS SHOWN ON THE DRAWINGS OR NOTED. |
| 3.- | THE DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY ARE INTENDED TO CONVEY THE SCOPE OF THE WORK AND TO INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT, PIPING, ETC. THE PLUMBING CONTRACTOR MUST OBTAIN APPROVED CONSTRUCTION DRAWINGS FROM THE GENERAL CONTRACTOR BEFORE BEGINNING ANY WORK. |
| 4.- | THE PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND LICENSES PERTAINING TO THE WORK. |
| 5.- | THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATED PLUMBING WORK WITH OTHER TRADES SO AS TO PROVIDE THE SYSTEM AS DESCRIBED. |
| B. GENERAL PLUMBING NOTES: | |
| 1.- | THE PLUMBING CONTRACTOR SHALL PROVIDE THE WORK INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN FOR ALL PLUMBING WORK, THE WORD "WORK" SHALL MEAN ALL LABOR, TRANSPORTATION, MATERIAL, EQUIPMENT, TOOLS, INSTALLATION, SUPERVISION AND ANY OTHER INCIDENTAL ITEMS OR SERVICES OBVIOUSLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE COMPLETE SYSTEMS. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL, MAKE ALL FINAL CONNECTIONS AND LEAVE IN AN APPROVED OPERATING CONDITION. |
| 2.- | THE PLUMBING CONTRACTOR SHALL NOTIFY LOCAL INSPECTOR FOR ALL REQUIRED INSPECTIONS THROUGHOUT THE CONSTRUCTION THAT ARE UNDER THE LOCAL INSPECTOR'S JURISDICTION. |
| 3.- | THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING WITH REGARD TO THE PLUMBING WORK: WORKMAN IDENTIFICATION, WORKER'S SAFETY CONTRACTOR'S LIABILITY INSURANCE, SAFETY BARRICADES, WARNING SIGNS AND TRASH REMOVAL. |
| 4.- | THE PLUMBING CONTRACTOR SHALL PROVIDE ALL RIGGING, HANDLING OF MATERIALS AND EQUIPMENT, AND THE NECESSARY PROTECTION FOR MATERIALS AND EQUIPMENT. TOOLS AND EQUIPMENT WILL ONLY BE STORED IN OWNER DESIGNATED AREAS ONLY. |
| 5.- | THE PLUMBING CONTRACTOR WILL PROTECT THE WORK AND MATERIALS AGAINST DIRT, THEFT, INJURY OR DAMAGE UNTIL ACCEPTED BY THE OWNER, ALL WORK SHALL BE TRUNED OVER TO THE OWNER CLEAN AND IN NEW CONDITION READY FOR SATISFACTORY SERVICE. |
| 6.- | THE PLUMBING CONTRACTOR SHALL CHECK AND VERIFY ALL SIZES, DIMENSIONS AND CONDITIONS BEFORE STARTING ANY WORK. ANY DEVIATIONS OR PROBLEMS SHALL BE TRANSMITTED TO THE ARCHITECT FOR REVIEW. |
| 7.- | THE PLUMBING CONTRACTOR SHALL PROVIDE ALL SUPPORTS AND HANGERS FOR ALL EQUIPMENT INSTALLED UNDER THIS WORK. |
| 8.- | THE PLUMBING CONTRACTOR SHALL CONNECT ALL KITCHEN EQUIPMENT. ALL EXPOSED PIPING IN KITCHEN SHALL BE CHROME PLATED. |
| C. SUBMITALS: | |
| 1.- | THE PLUMBING CONTRACTOR SHALL SUBMIT SUBMITAL SHEETS AND EQUIPMENT SPECIFICATIONS (SHOP DRAWINGS) OF ALL EQUIPMENT, PIPING, VALVES, ACCESSORIES, ETC. BEFORE PROCEEDING WITH ANY WORK. INCLUDING THE FOLLOWING: SPECIAL PURPOSE VALVES, PLUMBING FIXTURES, FLOOR DRAINS, BACKFLOW PREVENTER, WATER HEATER, EXPANSION TANK |
| 2.- | INSPECTION AND TEST REPORTS. |
| 3.- | CERTIFICATES OF INSPECTIONS AND TEST FROM AN INDEPENDENT TESTING AGENCY. |
| 4.- | MAINTENANCE MANUALS OF WATER HEATERS AND EXPANSION TANK. |
| 5.- | THE PLUMBING CONTRACTOR SHALL PREPARE THREE (3) SETS OF AS-BUILT DRAWINGS OF THE PROJECT. THE THREE (3) SETS BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT. ANY DEVIATIONS, CHANGES, OR ADDITIONS TO THE CONTRACT DRAWINGS MUST BE INDICATED ON THE AS-BUILT DOCUMENTS. |
| D. DELIVER, STORAGE AND HANDLING: | |
| 1.- | DELIVER AND STORE EQUIPMENT ON FACTORY INSTALLED SHIPPING SKIDS, SMALL SPECIALTIES IN FACTORY FABRICATED CONTAINERS AND PIPING WITH SEALING PLUGS IN ENDS OR WITH OTHER PROTECTION. |
| E. GENERAL PIPING, VALVES AND SUPPORTS FOR PLUMBING SYSTEMS: | |
| 1.- | SANITARY PIPING: UNDERGROUND SANITARY SEWER PIPING: CAST IRON. COMPLY WITH ASTM A74, ASTM A888, AND CISPI 301. ABOVE GROUND SANITARY AND VENT PIPING: CAST IRON. COMPLY WITH ASTM A74, ASTM A888, AND CISPI 301. A. SANITARY DRAINAGE AND VENT PIPING ABOVE GROUND 1- PLUMBING, BRANCH LINES AND LOCAL ROUGHING A) PIPE: 1) 1-1/2 INCHES AND SMALLER: GALVANIZED CAST IRON DRAINAGE, THREADED, ANSI B16.12. 2) 2 INCHES AND LARGER: NO-HUB CAST IRON CISPI-301. B) FITTINGS: 1) 1-1/2 INCHES AND SMALLER: GALVANIZED CAST IRON DRAINAGE, THREADED, ANSI B16.12. 2) 2 INCHES AND LARGER: NO-HUB CAST IRON CISPI-301. C) JOINTS: 1) 1-1/2 INCHES AND SMALLER: THREADED. CONNECT NEW SANITARY PIPING AND VENT PIPING TO SITE SEWER, PROVIDE TRANSITION FITTING. VERIFY LOCATION WITH SITE ENGINEER & ARCHITECT. 2.- DOMESTIC WATER DSITRIBUTION (COLD AND HOT WATER) ABOVE GROUND 1) FITTINGS A) WROUGHT COPPER AND BRONZE SOLDER JOINT PRESSURE FITTINGS ANSI B.16.22 OR CAST BRONZE SOLDER JOINT PRESSURE FITTING ANSI B.16.18. 2) JOINTS A) 95-5 TIN-ANTIMONY SOLDER, ASTM B32, GRADE 95TA FOR PRESSURE PIPING. 3) EXPOSED PIPING AT PLUMBING FIXTURES - CHROME PLATED BRASS. |

| PLUMBING SPECIFICATIONS | |
|--|---|
| 2A. WATER PIPING MATERIAL: | |
| WATER PIPING WITHING BUILDING AND ABOVE GROUND SHALL BE TYPE "L" HARD COPPER FITTINGS AND VALVES AT EQUIPMENT MAKEUP INLET CONNECTIONS. SOLDER SHALL BE LEAD FREE. CONNECT NEW COLD WATER PIPING TO WATER SERVICE AS REQUIRED. VERIFY EXACT LOCATION IN FIELD. CONNECT NEW HOT AND COLD WATER PIPING TO ALL EQUIPMENT NOTED. INSULATE WITH 1/2" THICK OWENS CORNING FIBERGLASS WITH ALL SERVICE JACKET. PROVIDE PIPE SHELDS AT HANGER LOCATIONS. PROVIDE FLASHING AND DISINFECTING AS PRESCRIBED IN LOCAL HEALTH AUTHORITE'S STANDARDS. IN ABSENCE, PROVIDE AS PRESCRIBED IN AWWA C651. PROVIDE EXTERNAL PROTECTIVE 0.025 INCH WRAPPING AROUND ALL PIPING PASSING THROUGH OR IN CONCRETE WALLS. PROVIDE AN ACCESSIBLY LOCATED VALVE IN EACH CONNECTION TO A PIECE OF EQUIPMENT AND AT ALL OTHER POINTS WHERE INDICATED OR REQUIRED FOR A PROPER SYSTEM OPERATION AND MAINTENANCE. BALL VALVES: 600PSI WOG-FULL PORT, TWO PIECE, BRONZE BODY CHROME PLATED STEEL BALL AND STEM, NIBCO 055991 SERIES, SWEAT END | |
| 3.- | SHUTOFF VALVES - DOMESTIC WATER |
| 4.- | PROVIDE EXPANSION LOOPS FOR HOT AND COLD WATER PIPING OVER 300 FT. OF STRAIGHT RUN. |
| 5.- | EQUIPMENT SCHEDULE IS PROVIDED TO INDICATE PERFORMANCE AND QUALITY REQUIREMENTS OF SPECIFIED EQUIPMENT. SUBMITAL OF SUBSTITUTE PRODUCTS SHALL BE PERMITTED SUBJECT TO APPROVAL. |
| 6.- | PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING, START UP AND BALANCING ON ALL PLUMBING INSTALLED, MODIFIED OR REVISED BY WORK OF THIS CONTRACT. THIS INCLUDES ALL TESTING REQUIRED BY THE AUTHORITY HAVING JURISDICTION, FLUSHING, AND DISINFECTING OF DOMESTIC WATER SYSTEM. |
| 7.- | ALL EQUIPMENT OR PIPE PENETRATIONS THROUGH WALL SHALL BE SLEEVED AND SEALED. |
| 8.- | PLUMBING CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ANY CONCEALED VALVES, CLEANOUTS, OR TRAPS. |
| 9.- | ALL PIPE SUPPORTS SHALL CONFORM TO LATEST SECTION 906 "PIPING SUPPORT" OF THE INTERNATIONAL PLUMBING CODE MAXIMUM SPACING FOR HORIZONTAL PIPING SHALL NOT EXCEED SPACING IN PLUMBING CODE. MINIMUM ROD SIZE SHALL BE 3/8". PROVIDE ADDITIONAL SUPPORTS AT CONCENTRATED LOADS (VALVES, ETC) IN ADDITION. AT CHANGES IN VERTICAL PIPING. PROVIDE INSULATION SHELDS ON ALL INSULATED LINES. PROVIDE HIGH STRENGTH CALCIUM SILICATE INSULATO WHERE NECESSARY TO PREVENT INSERTS CRUSHING INSULATION. STRUCTURAL ATTACHMENTS SHALL BE COORDINATED WITH BUILDING CONSTRUCTION, AND SHALL BE SUBMITTED FOR APPROVAL. DROP IN ANCHORS OR WEDGE ANCHORS BY HULTI OR PHILLIPS MAY BE USED IN CONCRETE, IF APPROVED BY THE ENGINEER. |
| 10.- | DRAINAGE SPECIALTIES (CARRIERS, CLEANOUTS AND FLOOR DRAINS) SHALL BE FROM A SINGLE MANUFACTURER. J. B. SMITH FIGURE NUMBERS HAVE BEEN USED AS A BASIS OF DESIGN. EQUIVALENT PRODUCTS OR JOSAM, WADCO, WATTS DRAINAGE, OR SURIN ARE ACCEPTABLE. CONTRACTOR SHALL COORDINATE TOP SHAPE FOR FLOOR DRAINS AND CLEANOUTS WITH FINAL FLOOR FINISHES. IN GENERAL, PROVIDE SQUARE TOPS IN TILE FLOORS, AND ROUND TOPS IN OTHER AREAS. |
| 11.- | PLUMBING FIXTURES SHALL BE AS SCHEDULED. MODEL NUMBERS HAVE BEEN USED AS THE BASIS OF DESIGN. |
| 12.- | IF INCOMING WATER PRESSURE IS GREATER THAN 80PSI, PROVIDE A WATTS PRESSURE REDDING VALVE AT WATER SERVICE ENTRANCE. BUILDING SHALL BE PROVIDED WITH NO GREATER THAN 80PSI. |

| | | | |
|--------------|-------------------------|--------------|--|
| PROJECT: | SPA ROYAL BEUTY | LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | PLUMBING NOTES SUITE #9 | | |
| DRAWING NO.: | | PROJECT NO.: | |
| DRAWN BY: | F.A. | CHECKED BY: | |
| DATE: | 20 - AUG - 2023 | SHEET NO.: | |



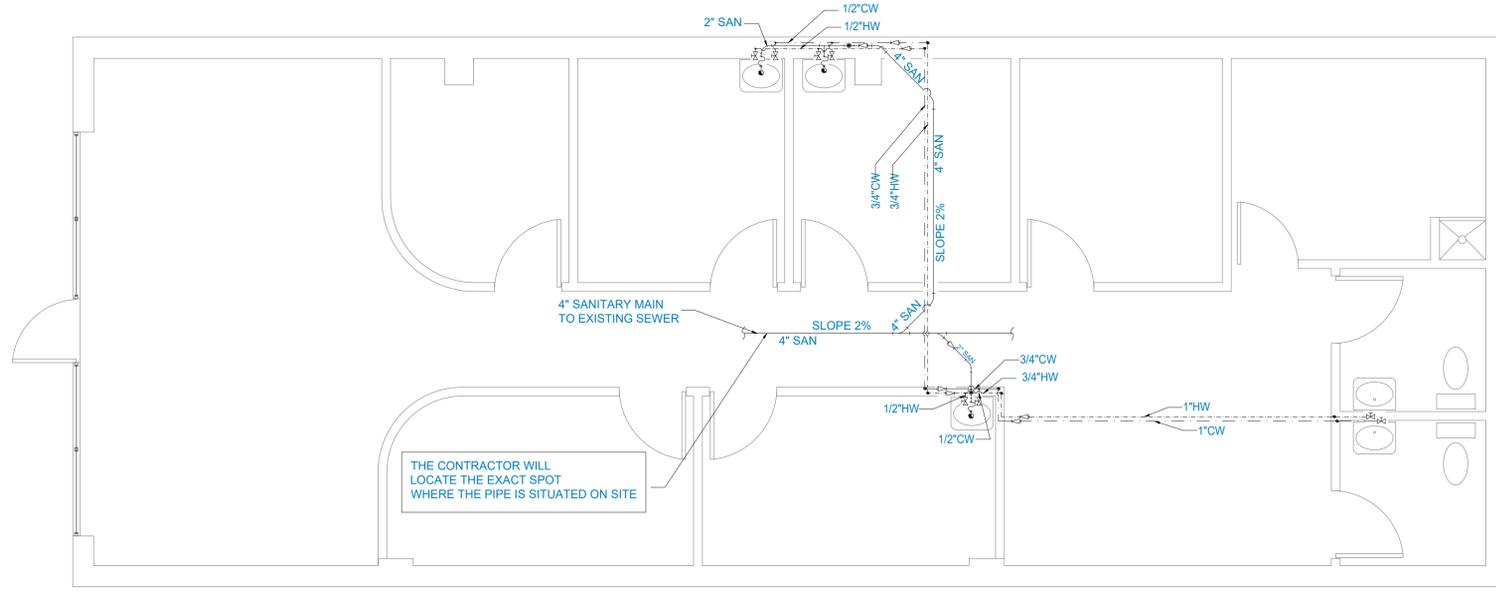
P1

3 Pines Plan Review
11/14/2023 2:20:28 PM

2300801

GENERAL PLUMBING NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS INCLUDING BUT NOT LIMITED TO NATIONAL, STATE AND LOCAL CODES ALONG WITH ORDINANCES WHICH MAY BE IN EFFECT. ALL PLUMBING MATERIALS, INSTALLATION PROCEDURES AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION AND IT SHALL BE THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS AND FEES ASSOCIATED WITH HIS WORK.
3. MEET OR EXCEED ALL CURRENT APPLICABLE CODES, ORDINANCES AND REGULATIONS FOR ALL INSTALLATIONS. PROMPTLY NOTIFY THE ENGINEER, IN WRITING, IF THE CONTRACT DOCUMENTS APPEAR TO CONFLICT WITH GOVERNING CODES AND REGULATIONS. CONTRACTOR ASSUMES ALL RESPONSIBILITY AND COSTS FOR CORRECTING NON-COMPLYING WORK INSTALLED WITHOUT NOTIFYING THE ENGINEER.
4. PLUMBING CONTRACTOR SHALL INCLUDE THE APPROVED SITE CONNECTION PROPOSAL AND BACKFLOW PREVENTER DRAWINGS AND FORMS AS PART OF THESE CONSTRUCTION DOCUMENTS.
5. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL, EQUIPMENT, ETC., AND PERFORM ALL OPERATIONS FOR THE WORK DELINEATED IN THE CONTRACT DRAWINGS FOR THE INSTALLATION OF A COMPLETE PLUMBING SYSTEM.
6. THE WORK SHALL INCLUDE THE FURNISHING OF ALL MATERIALS, LABOR, CUTTING, PATCHING, EXTENSIONS, RELOCATIONS, CONNECTIONS, REPAIRING, ADAPTING AND OTHER WORK INCIDENTAL THERE TO, TOGETHER WITH SUCH TEMPORARY CONNECTIONS AS MAY BE REQUIRED.
7. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING LOCATION AND CONDITIONS AND CONTACT THE ENGINEER IF THEY VARY FROM THE LOCATIONS INDICATED IN THE DRAWINGS. THE DRAWINGS ARE NOT TO BE SCALED.
8. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS GOVERNING PLUMBING AND DRAINAGE WORK. SHALL CONFORM TO ALL OTHER APPLICABLE REGULATIONS AND SHALL MEET REQUIREMENTS OF INSPECTING AUTHORITIES INCLUDING THE NYC BUILDING CODE.
9. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS EXACT LOCATION SHALL BE COORDINATED WITH ALL TRADES, ARCHITECTURAL DRAWINGS, GENERAL CONTRACTOR AND PLUMBING CONTRACTOR. CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO EXISTING PIPING TO SUITE NEW PLUMBING FIXTURES AND ACCOMMODATE ALL FIELD CONDITIONS.
10. COORDINATE ALL WORK WITH ALL OTHER CONTRACTORS PERTAINING TO THE LOCATION OF PLUMBING AND HVAC WORK, LIGHTING FIXTURES, AND ELECTRICAL. PROVIDE ALL NECESSARY PIPING OFFSETS AND CHANGES IN DIRECTION TO ACCOMPLISH A COMPLETE INSTALLATION.
11. SUBMISSION OF A PROPOSAL SHALL BE EVIDENCE THAT A CAREFUL EXAMINATION OF THE SITE, DRAWINGS & SPECIFICATIONS HAS BEEN MADE AND THE CONTRACTOR IS FAMILIAR WITH THOSE ITEMS AND AREAS THAT WILL PRESENT DIFFICULTY TO THE PERFORMANCE OF THIS CONTRACT. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, ETC NECESSARY TO COMPLETE ALL WORK AS A RESULT OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN.
12. CONTRACTOR TO VERIFY THE EXISTING SITE AND UTILITY CONDITIONS BEFORE CONSTRUCTION. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THIS SITE BEFORE PROCEEDING WITH ANY WORK.
13. PRIOR TO STARTING CONSTRUCTION, DETERMINE THE EXACT INVERT ELEVATION, SIZE, DEPTH AND LOCATION OF EXISTING CONDITIONS.
14. CONTRACTOR SHALL EXERCISE EXTREME CARE IN PROTECTING AREAS ADJACENT TO CONSTRUCTION AREAS, SHALL FULLY PROTECT THEM FROM ANY DAMAGE RESULTING FROM CONTRACTORS WORKMEN, SUBCONTRACTORS OR AGENTS, AND SHALL BE RESPONSIBLE FOR REPAIRING, CLEANING OR REPLACING ANY SUCH DAMAGE.
15. TESTS: ALL SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CONSTRUCTION RULES AND REGULATIONS.
16. ALL NEW SANITARY PIPING SHALL BE TESTED PER THE RECOMMENDATIONS OF THE CAST IRON SOIL PIPE INSTITUTE.
17. ALL LEAKS SHALL BE REPAIRED PRIOR TO INSTALLATION OF INSULATION.
18. ALL PIPING AT THE CEILING SHALL BE KEPT AS HIGH AS POSSIBLE.
19. ALL PIPING SHALL BE RUN IN THE MOST DIRECT AND STRAIGHT MANNER POSSIBLE MAINTAINING PROPER GRADING.
20. ALL EXPOSED PIPING PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PROVIDED WITH APPROPRIATE FIRE RETARDANT SEALANT AND ESCUTCHEONS.
21. ALL FIXTURES TO BE SEALED WHERE FIXTURE COMES IN CONTACT WITH WALLS OR FLOOR WITH CLEAR SEALANT.
22. FIXTURES SHALL BE SET FIRM AND TRUE, CONNECTED TO ALL REQUIRED PIPING SERVICES, READY FOR USE. ALL FIXTURES SHALL BE THOROUGHLY CLEANED AND ALL PAINTER AND DIRT REMOVED. ALL FIXTURES INCLUDED IN THIS SPECIFICATION SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR, TOGETHER WITH ALL NECESSARY HANGERS, BOLTS, ANCHORS, AND BRACKETS. ALL FIXTURES SHALL BE PROPERLY CONNECTED TO DRAINS AND SUPPLIES AND SHALL BE INSTALLED IN AN ABSOLUTELY RIGID AND SUBSTANTIAL MANNER WITHOUT DAMAGE TO ANY ADJOINING WORK OR FINISH.
23. ALL FLOOR PENETRATIONS (IF ANY) INCLUDING BUT NOT LIMITED TO PENETRATIONS FOR SANITARY, VENT, WATER SHALL BE CAULKED AND SEALED TO PROVIDE WATER-TIGHT CONDITION.
24. SANITARY DRAINAGE SHALL HAVE A MINIMUM PITCH OF 1/4" PER FOOT, FOR 2-1/2" AND/OR LESS AND AN 1/8" PER FOOT FOR 3" AND/OR GREATER, UNLESS OTHERWISE NOTED, IN THE DIRECTION OF THE FLOW FOR DRAINS. ALL CHANGES IN DIRECTION SHALL BE MADE BY THE APPROPRIATE USE OF CODE APPROVED FITTINGS.
25. PROVIDE CLEANOUTS. CLEANOUTS SHALL BE SAME SIZE AS THE PIPES THEY SERVE UP TO 4 INCHES, AND NOT LESS THAN 4 INCHES FOR LARGER PIPING.
26. PROVIDE CLEANOUTS FOR CHANGES IN DIRECTION FOR ALL SANITARY AND STORM PIPING.
27. INSTALL SHOCK ABSORBERS IN PIPING SYSTEM TO PREVENT NOISE AND DAMAGE DUE TO WATER HAMMER. SHOCK ABSORBERS (WATER HAMMER ARRESTERS). SEE SPECIFICATIONS. NITROGEN CHARGED AT FACTORY.
28. ALL PLUMBING FIXTURES SHALL HAVE THEIR OWN INDEPENDENT SHUT-OFF VALVES, INSTALLED IN AN EASILY ACCESSIBLE AND CONVENIENT LOCATION. LOCATE VALVES SO THAT SEPARATE SUPPORT CAN BE PROVIDED WHEN NECESSARY. INSTALL VALVES WITH STEMS POINTED UP, IN A VERTICAL POSITION WHEN POSSIBLE, BUT IN NO CASE WITH STEMS POINTED DOWNWARD FROM HORIZONTAL PLANE. INSTALL VALVE DRAINS WITH HOSE END ADAPTER FOR EACH VALVE WHICH MUST BE INSTALLED WITH THE STEM BELOW THE HORIZONTAL PLANE.
29. FLUSH AND CHLORINATE ALL DOMESTIC WATER PIPING BEFORE CONNECTING TO DOMESTIC WATER SYSTEM. CONTRACTOR SHALL PERFORM 4 HOUR LEAK TEST ON ALL SANITARY AND VENT PIPING.
30. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH RESPECT TO OTHER TRADES, EXISTING STRUCTURE AND CEILING HEIGHTS. CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECTURAL LAYOUTS, INCLUDING CEILING HEIGHTS.
31. CONTRACTORS SHALL SUBMIT ALL SHOP DRAWINGS AND MANUFACTURER'S CUTS AND SAMPLES TO ARCHITECT PRIOR TO COMMENCEMENT OF SUCH WORK. DO NOT MAKE ANY CHANGES OR SUBSTITUTIONS WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ARCHITECT AND/OR ENGINEER.
32. BUILDING DEPARTMENT APPROVED PLANS SHALL BE TURNED OVER TO OWNER AT THE COMPLETION OF THE JOB.
33. THE PLUMBING CONTRACTOR SHALL PROVIDE A COMPLETE SET OF RECORD "AS-BUILT" DRAWINGS INDICATING THE PRECISE LOCATION OF ALL NEW SYSTEMS, EQUIPMENT CONCEALED OR EMBEDDED PIPING AND PIPING CONNECTIONS. THESE DRAWINGS SHALL ALSO INCLUDE ALL CHANGES AND DEVIATIONS FROM BID DOCUMENTS.



INSTALLATION NOTES:

1. BEFORE STARTING ANY WORK, CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, INCLUDING PLUMBING, MECHANICAL, ELECTRICAL, SPRINKLER, AND ETC. VERIFY DIMENSIONS, SPACE REQUIREMENTS AND POINTS OF CONNECTION. FIXTURES AND EQUIPMENT MAKE ADJUSTMENTS NECESSARY TO AVOID CONFLICT WITH BUILDING STRUCTURE AND WORK OF OTHER TRADES.
2. PLUMBING DRAWINGS AND LAYOUTS ARE DIAGRAMMATIC TO SHOW DESIGN INTENT AND FINISH CONDITIONS.
3. PROVIDE ACCESS PANELS IN WALLS OR CEILING FOR SHUT-OFF VALVES AND TRAP PRIMERS, AS APPLICABLE. REQUIRED SHUT-OFF AND CONTROL VALVES SHALL BE ACCESSIBLE.
4. COORDINATE CUTTING, DRILLING, PATCHING, AND REINFORCING REQUIRED FOR PLUMBING WITH ALL TRADES.
5. PROVIDE PIPE SLEEVES FOR PIPING PASSING THROUGH MASONRY, CONCRETE, STRUCTURAL WALLS OR AS SHOWN ON PLANS.
6. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
7. CLEANOUTS/CLEANOUT DECKPLATES SHALL BE ACCESSIBLE AND INSTALLED PER PLUMBING CODE.
8. MAINTAINING 1/8" PER FOOT PITCH FOR ALL HORIZONTAL SANITARY/STORM DRAIN LINES 1" AND/OR GREATER. MAINTAIN 1/4" PER FOOT PITCH FOR ALL HORIZONTAL SANITARY/STORM DRAIN LINES LESS THAN 1", UNLESS OTHERWISE NOTED.
9. ALL EXPOSED SANITARY PIPING IN UNHEATED AREAS SHALL BE WRAPPED IN MINIMUM 1" THICK FIBERGLASS INSULATION.
10. ALL EXPOSED SANITARY P TRAPS AND WATER PIPING IN UNHEATED AREAS SHALL BE WRAPPED IN MINIMUM 1" WATTSFLO® ELECTRIC HEAT TRACE AND MINIMUM 1" THICK FIBERGLASS INSULATION. ELECTRIC HEAT TRACE SHALL BE CHROMALUX TYPE DL ACCESSORIES AS REQUIRED. INSTALLATION SHALL BE IN FULL ACCORDANCE WITH MFR INSTALLATION MANUAL INSTRUCTIONS. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
11. CONTRACTOR TO PROVIDE TRAP PRIMER FROM NEAREST OR LINE FOR ALL FLOOR DRAINS SUBJECT TO EVAPORATION, AS REQUIRED.
12. ALL C/W/H/W PIPING SHALL BE WRAPPED IN MINIMUM 1" THICK INSULATION.

PLUMBING LEGEND

| | |
|--|------------------------------|
| | COLD-WATER SUPPLY |
| | HOT-WATER SUPPLY |
| | DRAIN PIPE |
| | VENT PIPE |
| | WASTE TEE |
| | VENT TEE |
| | 45° ELBOW |
| | 90° ELBOW |
| | CLEAN OUT |
| | CAP |
| | ELBOW FACING UP |
| | ELBOW FACING DOWN |
| | TEE FACING UP |
| | CONNECTION PIPE |
| | NON-CONNECTION PIPE CROSSING |
| | SHUT-OFF VALVE |
| | REDUCER |
| | RISING PIPE |
| | TRAP |
| | FLOOR DRAIN |
| | SHOWER DRAIN |
| | HOSE BIBB |

**PLUMBING PLAN
MAIN FLOOR PLAN**

Scale: 1/4"=1'- 0"

3 Pines Plan Review
11/14/2023 2:19:43 PM

2300801

| | | | |
|--------------|------------------------|--------------|--|
| PROJECT: | SPA ROYAL BEUTY | LOCATION: | 5692 S. 900 E. SUITE 9, MURRAY, UTAH, 84107. |
| SHEET TITLE: | PLUMBING PLAN SUITE #9 | PROJECT NO.: | |
| DRAWING NO.: | | CHECKED BY: | F.A. |
| DRAWN BY: | | SHEET NO.: | 20 - A00 - 2023 |

SLCustom Builders
"If You Can Think It, We Can Build It!"

P2