RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
Joe Frogge 09/23/2020

# PERMIT SET - VOLUME 2

# LEE'S SUMMIT SENIOR COMMUNITY

## 1701 S.E. OLDHAM PARKWAY

## LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SWD ARCHITECTS EST 1935

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

## SHEET LIST - VOLUME 2

### SHEET LIST - MEP


| | |
|---|---|
| MPE0.1 | SYMBOLS |
| MPE1.1 | SITE PLAN |
| MPE2.1 | MCAL AREA A ROOF PLAN |
| MPE2.2 | MCAL AREA B ROOF PLAN |
| MPE2.3 | MCAL AREA C ROOF PLAN |
| MPE2.4 | IL AREA B ROOF PLAN |
| MPE2.5 | IL AREA A & C ROOF PLAN |
| PH1.1 | SITE PLAN PHOTOMETRICS |
| IL M1.1 | IL FIRST FLOOR AREA B MECHANICAL PLA |
| IL M1.2 | IL FIRST FLOOR AREA A & C MECHANICAL PLAN |
| IL M1.3 | IL SECOND FLOOR AREA B MECHAICAL PLAN |
| IL M1.4 | IL SECOND FLOOR AREA A & C MECHANICAL PLAN |
| IL M1.5 | IL THIRD FLOOR AREA B MECHANICAL PLAN |
| IL M4.1 | IL ENLARGED FLOOR PLANS MECHANICL |
| IL M5.1 | IL MECHANICAL DETAILS |
| IL M6.1 | IL MECHANICAL SCHEDULES |
| IL M6.2 | IL MECHANICAL SCHEDULES |
| IL P0.1 | FIRST FLOOR BELOW GRADE PLUMBING PLAN - IL |
| IL P0.2 | FIRST FLOOR BELOW GRADE PLUMBING PLAN - IL |
| IL P1.1 | FIRST FLOOR PLUMBING PLAN - IL |
| IL P1.2 | FIRST FLOOR PLUMBING PLAN - IL |
| IL P1.3 | SECOND FLOOR PLUMBING PLAN - IL |
| IL P1.4 | SECOND FLOOR PLUMBING PLAN - IL |
| IL P1.5 | THIRD FLOOR PLUMBING PLAN - IL |
| IL P1.6 | THIRD FLOOR PLUMBING PLAN - IL |
| IL P4.1 | ENLARGED FLOOR PLANS PLUMBING BELOW GRADE - IL |
| IL P4.2 | ENLARGED FLOOR PLANS PLUMBING ABOVE GRADE - IL |
| IL P5.1 | PLUMBING DETAILS - IL |
| IL P5.2 | PLUMBING DETAILS - IL |
| IL P6.1 | PLUMBING SCHEDULES - IL |
| ILFP1.1 | FLOOR PLAN FIRE PROTECTION - IL |
| ILFP1.2 | THIRD FLOOR & ROOF PLAN FIRE PROTECTION - IL |
| IL E1.1 | FIRST FLOOR LIGHTING PLAN |
| IL E1.2 | FIRST FLOOR LIGHTING PLAN |
| IL E1.3 | SECOND FLOOR LIGHTING PLAN |
| IL E1.4 | SECOND FLOOR LIGHTING PLAN |
| IL E1.5 | THIRD FLOOR LIGHTING PLAN |
| IL E1.6 | THIRD FLOOR LIGHTING PLAN |
| IL E2.1 | FIRST FLOOR POWER PLAN |
| IL E2.2 | FIRST FLOOR POWER PLAN |
| IL E2.3 | SECOND FLOOR POWER PLAN |
| IL E2.4 | SECOND FLOOR POWER PLAN |
| IL E2.5 | THIRD FLOOR POWER PLAN |
| IL E2.6 | THIRD FLOOR POWER PLAN |
| IL E3.1 | FIRST FLOOR SPECIAL SYSTEMS PLAN |
| IL E3.2 | FIRST FLOOR SPECIAL SYSTEMS PLAN |
| IL E3.3 | SECOND FLOOR SPECIAL SYSTEMS PLAN |
| IL E3.4 | SECOND FLOOR SPECIAL SYSTEMS PLAN |
| IL E3.5 | THIRD FLOOR SPECIAL SYSTEMS PLAN |
| IL E3.6 | THIRD FLOOR SPECIAL SYSTEMS PLAN |
| IL E4.1 | ENLARGED FLOOR PLANS LIGHTING & SPECIAL SYSTEMS |
| IL E4.2 | ENLARGED FLOOR PLANS POWER |
| IL E5.1 | ELECTRICAL DETAILS |
| IL E5.2 | ELECTRICAL DETAILS |
| IL E6.1 | ELECTRICAL SCHEDULES |
| IL E6.2 | ELECTRICAL SCHEDULES |
| IL E6.3 | ELECTRICAL SCHEDULES |
| MCAL M1.1 | FLOOR PLAN MECHANICL - MCAL |
| MCAL M1.2 | FLOOR PLAN MECHANICAL - MCAL |
| MCAL M1.3 | FLOOR PLAN MECHANICAL - MCAL |
| MCAL M4.1 | ENLARGED FLOOR PLANS MECHANICAL - MCAL |
| MCAL M5.1 | MECHANICAL DETAILS - MCAL |
| MCAL M6.1 | MECHANICAL SCHEDULES |
| MCAL M6.2 | MECHANICAL SCHEDULES |
| MCAL P0.1 | FLOOR PLAN BELOW GRADE PLUMBING - MCAL |
| MCAL P0.2 | FLOOR PALN BELOW GRADE PLUMBING - MCAL |
| MCAL P0.3 | FLOOR PLAN BELOW GRADE PLUMBING - MCAL |
| MCAL P1.1 | FLOOR PLAN PLUMBING - MCAL |
| MCAL P1.2 | FLOOR PLAN PLUMBING - MCAL |
| MCAL P1.3 | FLOOR PLAN PLUMBING - MCAL |
| MCAL P4.1 | ENLARGED FLOOR PLANS PLUMBING BELOW GRADE - MCAL |
| MCAL P4.2 | ENLARGED FLOOR PLANS PLUMBING ABOVE GRADE - MCAL |
| MCAL P4.3 | ENLARGED KITCHEN PLUMBING PLANS - MCAL |
| MCAL P5.1 | PLUMBING DETAILS |
| MCAL P5.2 | PLUMBING DETAILS |
| MCAL P6.1 | PLUMBING SCHEDULES |
| MCAL FP1.1 | FLOOR PLAN FIRE PROTECTION - MCAL |
| MCAL FP1.2 | ATTIC PLAN FIRE PROTECTION - MCAL |
| MCAL E1.1 | FLOOR PLAN LIGHTING - MCAL |
| MCAL E1.2 | FLOOR PLAN LIGHTING - MCAL |
| MCAL E1.3 | FLOOR PLAN LIGHTING - MCAL |
| MCAL E2.1 | FLOOR PLAN POWER- MCAL |
| MCAL E2.2 | FLOOR PLAN POWER - MCAL |
| MCAL E2.3 | FLOOR PLAN POWER - MCAL |
| MCAL E3.1 | MCAL AREA A SPECIAL SYSTEMS PLAN |
| MCAL E3.2 | MCAL AREA B SPECIAL SYSTEMS PLAN |
| MCAL E3.3 | MCAL AREA C SPECIAL SYSTEMS PLAN |
| MCAL E4.1 | ENLARGED FLOOR PLANS LIGHTING & SPECIAL SYSTEMS - MCAL |
| MCAL E4.2 | ENLARGED FLOOR PLANS POWER- MCAL |
| MCAL E4.3 | ENLARGED KITCHEN ELECTRICAL PLANS - MCAL |
| MCAL E5.1 | ELECTRICAL DETAILS |
| MCAL E5.2 | ELECTRICAL DETAILS |
| MCAL E6.1 | ELECTRICAL SCHEDULES - MCAL |
| MCAL E6.2 | ELECTRICAL SCHEDULES - MCAL |
| MCAL E6.3 | ELECTRICAL SCHEDULES - MCAL |


### SHEET LIST - LOW VOLTAGE


| | |
|---|---|
| T0.01 | TECHNOLOGY LEGEND |
| T1.0 | TECHNOLOGY OVERALL PLAN |
| T1.1 | TECHNOLOGY FLOOR PLAN - FIRST FLOOR MC |
| T2.1 | TECHNOLOGY FLOOR PLAN - FIRST FLOOR AL |
| T3.1 | TECHNOLOGY FLOOR PLAN - FIRST FLOOR IL |
| T3.2 | TECHNOLOGY FLOOR PLAN - SECOND FLOOR IL |
| T3.3 | TECHNOLOGY FLOOR PLAN - THIRD FLOOR IL |
| T4.1 | AL & MC ENLARGED DRAWINGS |
| T4.2 | AL & MC ENLARGED DRAWINGS |
| T4.3 | IL ENLARGED DRAWINGS |
| T5.1 | TECHNOLOGY DETAILS |
| T5.2 | TECHNOLOGY DETAILS |
| T5.3 | TECHNOLOGY DETAILS |
| T5.4 | TECHNOLOGY DETAILS |
| T5.5 | TECHNOLOGY SIGNAL FLOWS |
| T5.6 | TECHNOLOGY SIGNAL FLOWS |
| T5.7 | TECHNOLOGY SIGNAL FLOWS |
| T6.1 | TECHNOLOGY ELEVATIONS |
| T6.2 | TECHNOLOGY ELEVATIONS |
| T6.3 | TECHNOLOGY ELEVATIONS |


### SHEET LIST - KITCHEN


| | |
|---|---|
| QF001 | FOOD SERVICE GENERAL NOTES, SHEET INDEX |
| QF002 | FOOD SERVICE EQUIPMENT SCHEDULES |
| QF101 | FOOD SERVICE EQUIPMENT LAYOUT |
| QF102 | FOOD SERVICE EQUIPMENT LAYOUT |
| QF201 | IN SLAB PLUMBING ROUGH IN |
| QF202 | IN SLAB PLUMBING ROUGH IN |
| QF203 | ABOVE SLAB PLUMBING ROUGH IN |
| QF204 | ABOVE SLAB PLUMBING ROUGH IN |
| QF301 | ELECTRICAL ROUGH IN |
| QF302 | ELECTRICAL ROUGH IN |
| QF401 | SPECIAL CONDITIONS |
| QF402 | SPECIAL CONDITIONS |
| QF501 | FOOD SERVICE NOTES & DETAILS |
| QF601 | ELEVATIONS |
| QF602 | ELEVATIONS |
| QF701 | HOOD MANUFACTURER SHOP DRAWINGS |
| QF702 | HOOD MANUFACTURER SHOP DRAWINGS |
| QF703 | HOOD MANUFACTURER SHOP DRAWINGS |
| QF704 | HOOD MANUFACTURER SHOP DRAWINGS |


## GENERAL PROJECT NOTES

A. ALL WORK TO MEET ALL APPLICABLE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, ADA / ACCESSIBILITY & LIFE SAFETY CODES & REQUIREMENTS.
B. THE GENERAL CONTRACTOR & ALL SUBCONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES TO ALL EX. BUILDING SPECIFIC REQUIREMENTS & EXTENTS OF THE WORK PRIOR TO BIDDING. NO CHANGES IN THE CONTRACT WILL BE CONSIDERED FOR INFORMATION DISCERNIBLE FROM THE EX. CONDITIONS OR THE DRAWINGS.
C. DO NOT SCALE DRAWINGS. FIELD VERIFY ALL EX. CONDITIONS, DIMENSIONS & ELEVATIONS PRIOR TO ORDERING, FABRICATION, ETC.
D. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN THE PROJECT DOCUMENTS PRIOR TO BID. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE PROJECT DOCUMENTS & EX. CONDITIONS.
E. ALL WORK TO BE PERFORMED IN A FIRST CLASS, PROFESSIONAL, CODE COMPLIANT MANNER.
F. REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

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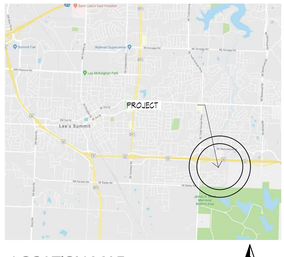


LOCATION MAP

NORTH

# SYMBOLS

## PIPING

- DIRECTION OF FLOW
- UNION
- FLANGE CONNECTION
- CAP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- PIPE REDUCER
- PIPE GUIDE
- PIPE ANCHOR
- EXPANSION JOINT
- SHUT-OFF VALVE
- CHECK VALVE
- BALANCING VALVE WITH PRESSURE PORTS
- TRIPLE DUTY VALVE
- STRAINER
- STRAINER WITH BLOWOFF
- RELIEF/SAFETY VALVE
- MANUAL AIR VENT
- SOLENOID VALVE
- THREE-WAY CONTROL VALVE
- TWO-WAY CONTROL VALVE
- PRESSURE REDUCING VALVE
- PRESSURE GAUGE
- THERMOMETER
- BACKFLOW PREVENTER
- AIR OUTLET
- OXYGEN OUTLET
- VACUUM OUTLET
- NITROGEN OUTLET
- NITROUS OXIDE OUTLET
- FS-1 FLOOR SINK
- FD-1 FLOOR DRAIN
- RD-1 ROOF DRAIN
- HB-1 HOSE BIBB
- FLOOR/GRADE CLEANOUT
- WALL CLEANOUT
- END OF LINE CLEANOUT

## PLUMBING

- WASTE LINE-ABOVE GRADE
- SW GREASE WASTE LINE-ABOVE GRADE
- WASTE LINE-BELOW GRADE
- VENT LINE
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- T DOMESTIC TEMPERED HOT WATER
- DOMESTIC HOT WATER RECIRC.
- 140 140 DEGREE DOMESTIC HOT WATER
- VENT THROUGH ROOF NOTE

## FIRE PROTECTION

- SPRINKLER HEAD (PENDANT)
- SPRINKLER HEAD (SIDEWALL)
- SPRINKLER HEAD (UPRIGHT)
- FP FIRE PROTECTION PIPING
- SIAMESE CONNECTION

## DUCTWORK

- AHU-1 EQUIPMENT TYPE AND NUMBER
- PUMP
- LINEAR SLOT DIFFUSER
- FLEXIBLE DUCT
- NEGATIVE PRESSURE AIR DUCT UP
- NEGATIVE PRESSURE AIR DUCT DOWN
- POSITIVE PRESSURE AIR DUCT UP
- POSITIVE PRESSURE AIR DUCT DOWN
- RISE DUCT RISE OR DROP IN THE DIRECTION OF AIRFLOW
- SQUARE TO ROUND TRANSITION
- ROUND DUCT UP, DOWN
- ELBOW WITH TURNING VANES
- FLEXIBLE CONNECTION
- MANUAL BALANCE DAMPER
- MOTORIZED CONTROL DAMPER
- FIRE DAMPER
- SMOKE DAMPER
- FIRE/SMOKE DAMPER
- SPIN-IN BRANCH DUCT CONNECTOR- WITH DAMPER IF SHOWN
- HIGH EFFICIENCY BRANCH DUCT CONNECTOR- WITH DAMPER IF SHOWN
- SUPPLY AIR DIFFUSER
- DUCT MOUNTED GRILLE/WALL GRILLE
- RETURN GRILLE
- NOISE REDUCING RETURN AIR TRANSFER
- SUPPLY DIFFUSER - THREE-WAY THROW
- SI 100 0° DIFFUSER, GRILLE, OR REGISTER TYPE
- CFM
- CONNECTION SIZE

## TEMPERATURE CONTROLS

- T AHU-1 TEMPERATURE SENSOR/THERMOSTAT SERVING AHU-1
- H HUMIDITY SENSOR/HUMIDISTAT
- T REMOTE TEMPERATURE SENSOR
- H REMOTE HUMIDITY SENSOR
- CO2 CARBON DIOXIDE SENSOR
- OCC OCCUPANCY SENSOR
- CO CARBON MONOXIDE SENSOR
- SP STATIC PRESSURE SENSOR
- DPT DIFFERENTIAL PRESSURE TRANSMITTER
- FM FLOW METER

## LIGHTING

- LIGHT TRACK WITH LIGHT TYPES AS INDICATED
- WALL WASHER LIGHTING FIXTURE, ARROW INDICATES DIRECTION
- FLUORESCENT FIXTURE AND TYPE
- EMERGENCY LIGHT FIXTURE
- NIGHT LIGHT FIXTURE
- A LIGHT FIXTURE AND TYPE
- LIGHT FIXTURE AND TYPE
- WALL MOUNTED FIXTURE
- WALL SCONCE
- WALL MOUNTED FIXTURE
- POLE MOUNTED LIGHT (NUMBER OF HEADS AS SHOWN)
- TENON MOUNTED POLE LIGHT
- IN-GROUND LIGHT FIXTURE
- BOLLARD LIGHT FIXTURE
- EXIT LIGHT CLG. MNTD. (SGL. FACE)
- EXIT LIGHT CLG. MNTD. (DBL. FACE)
- EXIT LIGHT WALL MNTD. (SGL. FACE)
- EXIT/EMERGENCY LIGHT
- EMERGENCY LIGHT
- CEILING FAN

## POWER EQUIPMENT

- ELECTRICAL DISTRIBUTION PANEL, SWITCHBOARD, OR MOTOR CONTROL
- PANEL BOARD
- LOAD CENTER
- METER
- J-BOX
- MOTOR
- DISCONNECT SWITCH
- COMBINATION DISCONNECT SWITCH AND MOTOR STARTER
- MAGNETIC MOTOR STARTER, NEMA SIZE AS NOTED
- BELL
- HOME RUN
- CONCEALED CONDUIT
- GONDUIT BELOW SLAB
- ONE HOT, ONE NEUTRAL, AND ONE GROUND IN CONCEALED CONDUIT (#12 IN 1/2" C. U.N.O.)
- #14'S (WIRE NUMBER INDICATED)
- #16'S (WIRE NUMBER INDICATED)
- EXPOSED CONDUIT
- CONDUIT TURNING DOWN
- CONDUIT TURNING UP

## WIRING DEVICES & OUTLETS

- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- GFCI GROUND FAULT INTERRUPTER
- WP WEATHERPROOF GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
- USB DUPLEX RECEPTACLE WITH USB OUTLETS
- QUAD RECEPTACLE
- HEAVY DUTY RECEPTACLE-NEMA TYPE AS NOTED
- FLOOR MOUNTED DEVICE
- CEILING MOUNTED DEVICE
- ISOLATED GROUND DUPLEX RECEPTACLE
- ISOLATED GROUND QUAD RECEPTACLE
- CONTROLLED RECEPTACLE
- W WALL MOUNTED PHONE
- 48 48" CENTER OF DEVICE AT 48" A.F.F.
- DATA OUTLET
- TELEPHONE/DATA OUTLET
- CABLE T.V. OUTLET
- CABLE TRAY
- SURFACE RACEWAY
- S SWITCH, SPST U.N.O.
- $S^2$ SWITCH, DPST
- $S^F$ FUSESTAT
- $S^3$ 3-WAY SWITCH
- $S^4$ 4-WAY SWITCH
- $S^D$ DIMMER SWITCH
- $S^J$ JAMB SWITCH
- $S^M$ MOTOR RATED SWITCH
- $S^{WP}$ SWITCH WITH WEATHERPROOF COVER
- $S^K$ KEYED SWITCH
- TS TIME SWITCH
- PUSH BUTTON
- P PHOTOCELL SWITCH
- OC* CEILING OCCUPANCY SENSOR
- RC* ROOM CONTROLLER
- EM* EMERGENCY CONTROL UNIT
- P POWER PACK

## FIRE ALARM

- FACP FIRE ALARM CONTROL PANEL
- FAA ANNUNCIATOR PANEL
- FA FIRE ALARM POWER EXTENDER
- PS PULL STATION
- KB KNOX BOX
- CR CONTROL RELAY
- $M^1$ SIGNAL ZONE ADDRESSABLE MODULE
- $M^2$ CONTROL ZONE ADDRESSABLE MODULE
- $M^3$ MONITOR ZONE ADDRESSABLE MODULE
- $D^1$ SINGLE STATION SMOKE DETECTOR
- $D^2$ SMOKE DETECTOR (SUP. RELAY BASE)
- $D^3$ SYSTEM SMOKE DETECTOR
- BEAM DETECTOR
- H HEAT/THERMAL DETECTOR
- DD DUCT SMOKE DETECTOR
- I INDIVIDUAL ADDRESSABLE MONITOR
- MAGNETIC DOOR HOLD
- HORN/STROBE
- STROBE
- SPEAKER/STROBE
- SPEAKER
- HORN
- T VALVE TAMPER SWITCH
- F FLOW SWITCH
- EOL END OF LINE RESISTOR
- PIV POST INDICATING VALVE
- FIRE ALARM BELL
- FIREMANS PHONE JACK
- SECURITY GUARD FOR DEVICE SHOWN

## NURSE CALL

- NURSE CALL MASTER STATION
- NURSE CALL BEDSIDE STATION-SINGLE PATIENT
- $P_2$ NURSE CALL BEDSIDE STATION-DOUBLE PATIENT
- PEC PATIENT EMERGENCY PULL CORD STATION
- PBI PATIENT BED INTERFACE-37 PIN CONNECTOR
- D DUTY STATION
- S STAFF STATION
- DOME LIGHT
- $L_2$ ZONE DOME LIGHT
- CODE BLUE PUSHBUTTON STATION
- E EMERGENCY STAFF STATION

## COMMUNICATIONS

- SPEAKER HORN-PROJECTION TYPE
- S SPEAKER
- V VOLUME CONTROL
- MJ MICROPHONE JACK
- SC COMBINATION SPEAKER/CLOCK
- C SYSTEM CLOCK
- ET ELAPSED TIME CLOCK
- IC INTERCOM
- PS POWER SUPPLY
- A AMPLIFIER

## SECURITY

- CLOSED CIRCUIT TELEVISION CAMERA
- EL ELECTRIC DOOR LOCK
- DM DOOR MONITOR
- CR CARD READER
- GB GLASS BREAK
- RE REQUEST TO EXIT BUTTON
- SM SECURITY MONITOR
- PB D PANIC BUTTON (D=DESK, W=WALL, F=FLOOR)
- KP KEY PAD

# ABBREVIATIONS

| | |
|---|---|
| A | AMPS; AIR (COMPRESSED) |
| A/C | AIR CONDITIONING |
| AF | AMPERE FUSE |
| AFG | ABOVE FINISHED CEILING |
| AFEA | AREA FOR EVACUATION ASSISTANCE |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AHU | AIR HANDLING UNIT |
| AIC | AMPERE INTERRUPTING CURRENT |
| AL | ALUMINUM |
| APD | AIR PRESSURE DROP |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AV | ACID VENT |
| AW | ACID WASTE |
| AWG | AMERICAN WIRE GAUGE |
| BCU | BLOWER COIL UNIT |
| BFP | BACKFLOW PREVENTER |
| BHP | BRAKE HORSEPOWER |
| BFF | BELOW FINISHED FLOOR |
| BOD | BOTTOM OF DUCT |
| BOP | BOTTOM OF PIPE |
| BOS | BOTTOM OF STRUCTURE |
| BTUH | BRITISH THERMAL UNITS PER HOUR |
| C | CONDUIT |
| CT | CURRENT TRANSFORMER |
| CATV | CABLE TELEVISION SYSTEM |
| CAV | CONSTANT AIR VOLUME |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CD | CONDENSATE DRAIN |
| CFCI | CONTRACTOR FURNISHED, CONTRACTOR INSTALLED |
| CFH | CUBIC FEET PER HOUR |
| CFM | CUBIC FEET PER MINUTE |
| CH | CHILLER |
| CO | CLEANOUT, CARBON MONOXIDE |
| CO2 | CARBON DIOXIDE |
| CT | COOLING TOWER |
| CTR | COOLING TOWER RETURN |
| CTS | COOLING TOWER SUPPLY |
| CU | COPPER, CONDENSING UNIT |
| CUH | CABINET UNIT HEATER |
| CW | COLD WATER |
| CWR | CHILLED WATER RETURN |
| CWS | CHILLED WATER SUPPLY |
| D | DRAIN |
| DDC | DIRECT DIGITAL CONTROL |
| DFU | DRAINAGE FIXTURE UNITS |
| DN | DOWN |
| DPDT | DOUBLE-POLE, DOUBLE-THROW |
| DPST | DOUBLE-POLE, SINGLE-THROW |
| DX | DIRECT EXPANSION |
| EA | EXHAUST AIR |
| EAT | ENTERING AIR TEMPERATURE |
| EC | ELECTRICAL CONTRACTOR |
| EDB | ENTERING DRY BULB |
| EF | EXHAUST FAN |
| EJ | EXPANSION JOINT |
| ESFR | EARLY SUPPRESSION FAST RESPONSE |
| ESP | EXTERNAL STATIC PRESSURE |
| ETR | EXISTING TO REMAIN |
| EWB | ENTERING WET BULB |
| EWC | ELECTRIC WATER COOLER |
| FAA | FIRE ALARM ANNUNCIATOR |
| FACP | FIRE ALARM CONTROL PANEL |
| FBO | FURNISHED BY OTHERS |
| FCO | FLOOR CLEANOUT |
| FCU | FAN COIL UNIT |
| FD | FIRE DAMPER, FLOOR DRAIN |
| FF | FINISHED FLOOR |
| FGCO | FINISHED GRADE CLEANOUT |
| FL | FLOW LINE |
| FLA | FULL LOAD AMPS |
| FPC | FIRE PROTECTION CONTRACTOR |
| FTU | FAN TERMINAL UNIT |
| FVNR | FULL VOLTAGE, NON-REVERSING |
| G | NATURAL GAS |
| GFI | GROUND FAULT INTERRUPTER |
| GC | GENERAL CONTRACTOR |
| GFI | GROUND FAULT INTERRUPTER |
| GND | GROUND |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| GW | GREASE WASTE |
| HB | HOSE BIBB |
| HCR | HOT/CHILLED WATER RETURN |
| HCS | HOT/CHILLED WATER SUPPLY |
| HD | HEAD, HUB DRAIN |
| HOA | HAND-OFF-AUTOMATIC |
| HP | HEAT PUMP |
| HPC | HIGH PRESSURE CONDENSATE |
| HPR | HEAT PUMP RETURN |
| HPS | HEAT PUMP SUPPLY, HIGH PRESSURE STEAM, HIGH PRESSURE SODIUM |
| HSTAT | HUMIDISTAT |
| HTG | HEATING |
| HTR | HEATER |
| HWR | HOT WATER RETURN |
| HWS | HOT WATER SUPPLY |
| ID | INSIDE DIAMETER |
| IE | INVERT ELEVATION |
| IG | ISOLATED GROUND |
| IN. WG | INCHES OF WATER COLUMN |
| INC. | INCANDESCENT |
| kcmil | 1000 CIRCULAR MILS |
| KV | KILOVOLT |
| KVA | KILOVOLT-AMPS |
| KVAR | KILOVOLT-AMPS REACTIVE |
| KW | KILOWATT |
| KWH | KILOWATT-HOUR |
| L | LAVATORY |
| LAT | LEAVING AIR TEMPERATURE |
| LDB | LEAVING DRY BULB |
| LF | LINEAR FEET |
| LP | LOW PRESSURE |
| LPC | LOW PRESSURE STEAM CONDENSATE |
| LPG | LIQUIFIED PETROLEUM GAS (PROPANE) |
| LPS | LOW PRESSURE STEAM |
| LRA | LOCKED ROTOR AMPS |
| LWB | LEAVING WET BULB |
| LWT | LEAVING WATER TEMPERATURE |
| MBH | 1000 BTU PER HOUR |
| M/C | MECHANICAL CONTRACTOR |
| MCA | MINIMUM CIRCUIT AMPACITY |
| MCC | MOTOR CONTROL CENTER |
| MCM | 1000 CIRCULAR MILS |
| MD | MOTORIZED DAMPER |
| MDP | MAIN DISTRIBUTION PANEL |
| MFR | MANUFACTURER |
| MH | MANHOLE/METAL HALIDE |
| MLO | MAIN LUGS ONLY |
| MPC | MEDIUM PRESSURE CONDENSATE |
| MPS | MEDIUM PRESSURE STEAM |
| MS | MOTOR STARTER |
| MSB | MAIN SWITCHBOARD |
| MTD | MOUNTED |
| MAU | MAKE-UP AIR UNIT |
| N | NITROGEN |
| N/A | NOT APPLICABLE |
| NC | NOISE CRITERIA |
| NFPAH | NON-FREEZE WALL HYDRANT |
| NIC | NOT IN CONTRACT |
| NO | NITROUS OXIDE |
| N/O N/C | NORMALLY OPEN, NORMALLY CLOSED |
| O | OXYGEN |
| OA | OUTSIDE AIR |
| OC | ON CENTER |
| OD | OUTSIDE DIAMETER |
| OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| ORD | OVERFLOW ROOF DRAIN |
| PA | PIPE ANCHOR |
| PCWR | PRIMARY CHILLED WATER RETURN |
| PCWS | PRIMARY CHILLED WATER SUPPLY |
| PCR | PUMPED CONDENSATE RETURN |
| PD | PRESSURE DROP (FEET OF WATER) |
| PH | PHASE |
| PHWR | PRIMARY HEATING WATER RETURN |
| PHWS | PRIMARY HEATING WATER SUPPLY |
| PNL | PANEL |
| PRV | PRESSURE REDUCING VALVE |
| PS | PULSE START |
| PSI | POUNDS PER SQUARE INCH |
| PSIA | POUNDS PER SQUARE INCH-ABSOLUTE |
| PSIG | POUNDS PER SQUARE INCH-GAUGE |
| PT | POTENTIAL TRANSFORMER |
| QTY | QUANTITY |
| R | REFRIGERANT |
| RA | RETURN AIR |
| RCP | REINFORCED CONCRETE PIPE |
| RD | ROOF DRAIN |
| REV | REVISION |
| RF | RETURN FAN |
| RH | RELATIVE HUMIDITY |
| RLA | RUNNING LOAD AMPS |
| RPM | REVOLUTIONS PER MINUTE |
| RTU | ROOF TOP UNIT |
| S | SINK, STEAM |
| SA | SUPPLY AIR |
| SAN | SANITARY, SEWER |
| SCWR | SECONDARY CHILLED WATER RETURN |
| SCWS | SECONDARY CHILLED WATER SUPPLY |
| SD | SMOKE DAMPER, STORM DRAIN |
| SF | SUPPLY FAN |
| SHWR | SECONDARY HEATING WATER RETURN |
| SHWS | SECONDARY HEATING WATER SUPPLY |
| SPST | SINGLE-POLE SINGLE-THROW |
| SP | STATIC PRESSURE |
| SQFT | SQUARE FOOT/SQUARE FEET |
| S/S | START/STOP |
| SS | SERVICE SINK, STAINLESS STEEL |
| ST | STORM DRAIN, SOUND TRAP, STEAM TRAP |
| STC | SOUND TRANSMISSION CLASS |
| STM | STEAM |
| SW | SOFT WATER |
| SWBD | SWITCHBOARD |
| T | TEMPERED WATER |
| TG | TEMPERATURE GAUGE |
| TDH | TOTAL DYNAMIC HEAD |
| TSP | TOTAL STATIC PRESSURE |
| TSTAT | THERMOSTAT |
| TL | TWIST-LOCK |
| TU | TERMINAL UNIT |
| UF | UNDER FLOOR |
| UG | UNDER GROUND |
| UH | UNIT HEATER |
| UL | UNDERWRITERS LABORATORIES, INC. |
| UNO | UNLESS NOTED OTHERWISE |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| V | VACUUM |
| VAC | VOLTS ALTERNATING CURRENT |
| VAV | VARIABLE AIR VOLUME |
| VCP | VITRIFIED CLAY PIPE |
| VD | VOLUME DAMPER |
| VFD | VARIABLE FREQUENCY DRIVE |
| VTR | VENT THROUGH ROOF |
| W | WATER SERVICE, WATTS |
| WB | WET BULB |
| WCO | WALL CLEANOUT |
| WC | WATER COLUMN, WATER CLOSET |
| WH | WALL HYDRANT |
| WPD | WATER PRESSURE DROP |
| WP | WEATHERPROOF |
| WT | WATERTIGHT, HEIGHT |
| XFMR | TRANSFORMER |
| XP | EXPLOSION-PROOF |

# GENERAL

- HEAVY LINEWEIGHT INDICATES NEW WORK
- CONNECT NEW TO EXISTING
- LIGHT AND SCREENED LINEWEIGHT INDICATES EXISTING-TO-REMAIN
- DARK AND DASHED LINEWEIGHT INDICATES DEMOLITION WHEN SHOWN ON DEMOLITION PLAN OR NOTED
- POINT OF DISCONNECT FROM EXISTING
- 2 CONSTRUCTION NOTE
- 2 M201 REVISION NUMBER
- M201 SECTION CUT THROUGH DRAWING
- 1 M201 AREA OF ENLARGEMENT
- 1 M201 PLAN NUMBER
- SHEET WHERE ENLARGED PLAN IS DRAWN

THIS IS A MASTER LEGEND. NOT ALL SYMBOLS, ABBREVIATIONS, ETC. ARE USED ON THE DRAWINGS.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/09/19

SWD ARCHITECTS
EST 1935


ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
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H&B PROJECT NUMBER : 1820588


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LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI


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315 NICHOLS ROAD STE 220 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978


SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER
8/10/19

MPE SYMBOLS
ISSUE DATE:
6/14/19
REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MPE0.1


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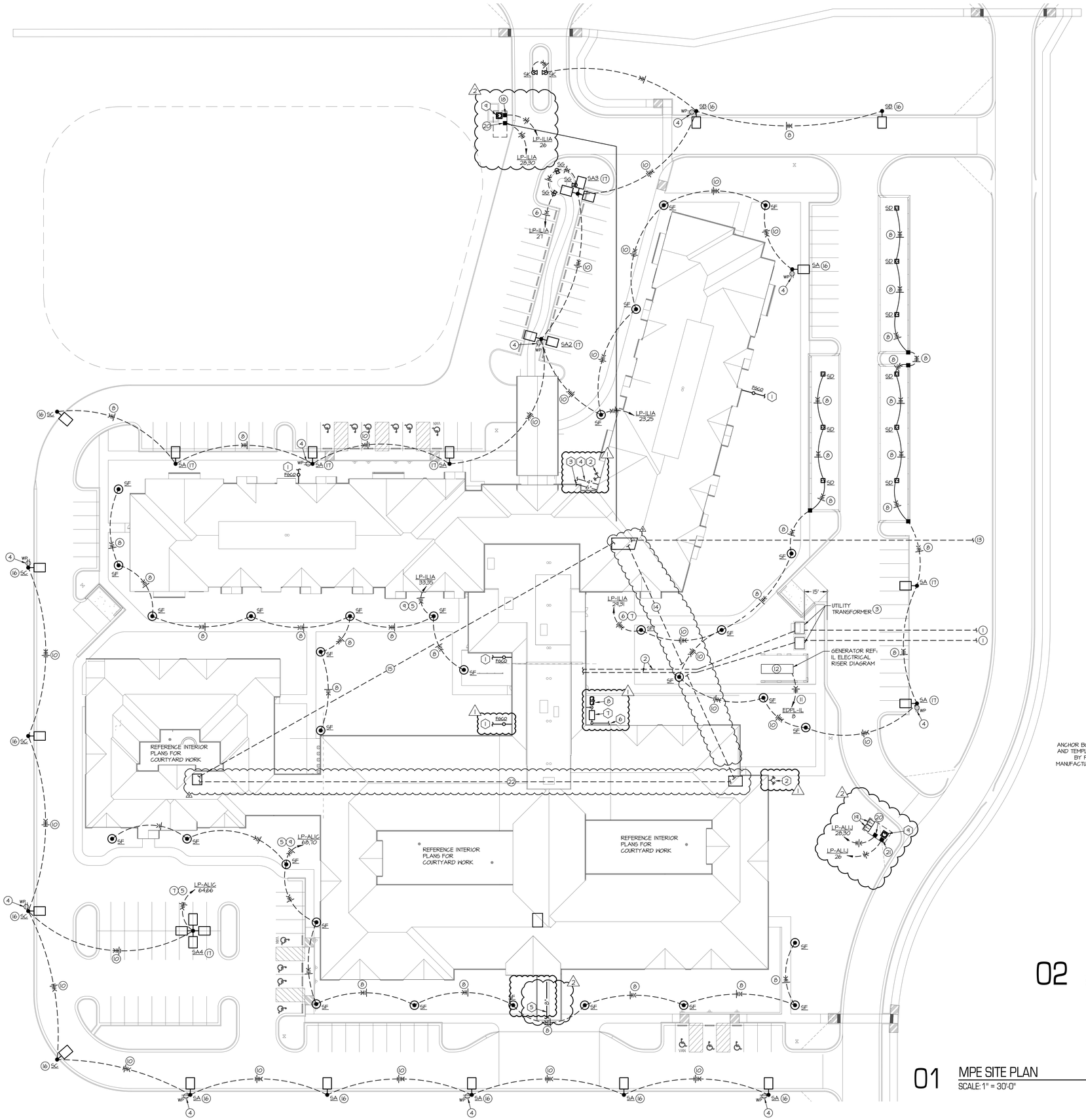



## GENERAL NOTES:

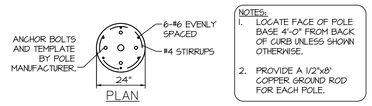
A. REFERENCE MECHANICAL SHEETS FOR MECHANICAL GENERAL NOTES.
B. REFERENCE PLUMBING SHEETS FOR PLUMBING GENERAL NOTES.
C. REFERENCE ELECTRICAL SHEETS FOR ELECTRICAL GENERAL NOTES.
D. REFERENCE ELECTRICAL SHEET IL E6.2 FOR SITE LIGHTING SCHEDULE.

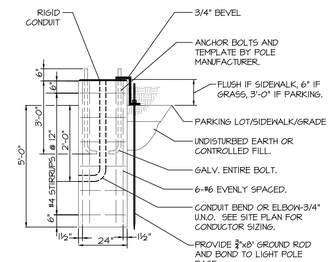
## ELECTRICAL PLAN NOTES:

1. PROVIDE PRIMARY CONDUITS PER UTILITY COMPANY STANDARDS. REFERENCE ELECTRICAL RISER DIAGRAM FOR MORE INFORMATION.
2. PROVIDE SECONDARY CONDUIT A MINIMUM OF 24" BELOW FINISHED GRADE. REFERENCE ELECTRICAL RISER DIAGRAM FOR MORE INFORMATION.
3. PAD MOUNTED UTILITY TRANSFORMER. PROVIDE CONCRETE PAD PER UTILITY COMPANY STANDARDS.
4. MOUNT RECEPTACLES AT 18" ABOVE THE POLE BASE. PROVIDE UNSWITCHED 120V CIRCUIT TO RECEPTACLE WITHIN POLE MOUNTED LIGHT FIXTURE CIRCUIT CONDUIT. PROVIDE #10 WIRE FOR ENTIRE CIRCUIT TO EACH RECEPTACLE.
5. ROUTE THROUGH TIME CLOCK AND PHOTOCELL. SEE DETAIL 7 MCAL E5.2.
6. ROUTE THROUGH TIME CLOCK AND PHOTOCELL. SEE DETAIL 7 IL E5.2.
7. HOMERUN WITH (4) #10 AND (1) #10 GROUND IN 1" PVC CONDUIT.
8. ROUTE (3) #10 AND (1) #10 GROUND IN 1" PVC CONDUIT.
9. HOMERUN WITH (3) #10 AND (1) #10 GROUND IN 1" PVC CONDUIT.
10. ROUTE (4) #10 AND (1) #10 GROUND IN 1" PVC CONDUIT.
11. PROVIDE ELECTRICAL CONNECTION TO GENERATOR BLOCK HEATER, BATTERY CHARGER AND INTEGRAL LIGHTING. HOMERUN WITH (3) #3 AND (1) #10 GROUND WIRE IN A 1 1/4" CONDUIT.
12. REFER TO STRUCTURAL DRAWINGS FOR GENERATOR CONCRETE PAD DETAIL.
13. PROVIDE (2) 4" CONDUITS FOR TELECOMM SERVICE FROM INDEPENDENT LIVING BUILDING ROOM (I.T. 1058) TO FIBER OPTIC VAULT/PEDESTAL. REFER TO FIRST FLOOR POWER PLAN FOR DEMARC LOCATION.
14. PROVIDE (2) 4" CONDUITS FOR TELECOMM SERVICE FROM INDEPENDENT LIVING BUILDING ROOM (I.T. 1058) TO ASSISTED LIVING BUILDING ROOM (I.T. 110) . FIELD COORDINATE CONDUIT ROUTING.
15. PROVIDE (2) 4" CONDUITS FOR TELECOMM SERVICE FROM INDEPENDENT LIVING BUILDING ROOM (I.T. 1058) TO MEMORY CARE BUILDING ROOM (I.T. 030) . FIELD COORDINATE CONDUIT ROUTING.
16. PROVIDE 14'-6" TALL POLE AND 6" TALL CONCRETE BASE WITH TOP OF FIXTURE A MAXIMUM OF 15'-0" ABOVE FINISHED GRADE.
17. PROVIDE 11'-0" TALL POLE AND 3'-0" TALL CONCRETE BASE WITH TOP OF FIXTURE A MAXIMUM OF 20'-0" ABOVE FINISHED GRADE.
18. PROVIDE WATERPROOF JUNCTION BOX AND 120V/20A FEEDER TO SUMP PUMP. PROVIDE 2#6 & #6 GROUND WIRE IN A 3/4" CONDUIT. PROVIDE DURALINE PLUG AND CORD, MODEL 3M20 AND 3F20 RATED FOR 20A. SPLICE TO SUMP PUMP USING DURALINE SPLICE KIT. FILL JUNCTION BOX WITH WATERPROOF EPOXY BY 3M.
19. PROVIDE TAMPER SWITCHES AS REQUIRED AT FIRE PROTECTION PREVENTER VAULT.
20. PROVIDE WATERPROOF JUNCTION BOX AND 208V/1PH/20A FEEDER WITH LIQUID-TIGHT CONNECTIONS TO WELL HOUSE MANUFACTURER'S CONTROL PANEL. PROVIDE 2#10 & #10 GROUND WIRE IN A 3/4" CONDUIT. FILL JUNCTION BOX WITH WATERPROOF EPOXY BY 3M AFTER CONNECTION ARE MADE. COORDINATE EXACT INSTALLATION LOCATION IN WATER METER VAULT WITH UNIT HEATER INSTALLER. REFERENCE DESIGNATED PANELBOARDS SCHEDULE FOR LOCKABLE CIRCUIT BREAKER.
21. PROVIDE WATERPROOF JUNCTION BOX AND 120V/20A FEEDER TO SUMP PUMP. PROVIDE 2#10 & #10 GROUND WIRE IN A 3/4" CONDUIT. PROVIDE DURALINE PLUG AND CORD, MODEL 3M20 AND 3F20 RATED FOR 20A. SPLICE TO SUMP PUMP USING DURALINE SPLICE KIT. FILL JUNCTION BOX WITH WATERPROOF EPOXY BY 3M.
22. PROVIDE (2) 4" CONDUITS FOR TELECOMM SERVICE FROM ASSISTED LIVING BUILDING ROOM (I.T. 110) TO MEMORY CARE BUILDING ROOM (I.T. 030) . FIELD COORDINATE CONDUIT ROUTING.

## PLUMBING PLAN NOTES:

1. 4" STORM DRAIN. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
2. FIRE DEPARTMENT CONNECTION.
3. 6" FIRE PROTECTION LINE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
4. 4" DOMESTIC WATER SERVICE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
5. 8" SANITARY DRAIN LINE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
6. NEW INCOMING GAS SERVICE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
7. NEW GAS METER, SIZED FOR 8646 CFH AT 2 PSI. COORDINATE REQUIREMENTS WITH LOCAL GAS UTILITY TO PROVIDE GAS SERVICE.
8. GREASE INTERCEPTOR IN THIS AREA. REFER TO 01 MCAL P4.3 FOR SIZING AND CONTINUATION.
9. PROVIDE SUMP PUMP IN WATER METER VAULT EQUAL TO ZOELLER 400 SERIES MODEL M53 PUMP WITH INTEGRAL BASIN, COVER, GRATE, AND FLOAT SWITCH. COORDINATE EXACT INSTALLATION LOCATION WITH CIVIL PLAN WATER METER VAULT DETAILS, SHEET C500.




## 02 POLE BASE DETAIL
SCALE: NOT TO SCALE

## 01 MPE SITE PLAN
SCALE: 1" = 30'-0"

NORTH

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
EST 1935


ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

MPE SITE PLAN
ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

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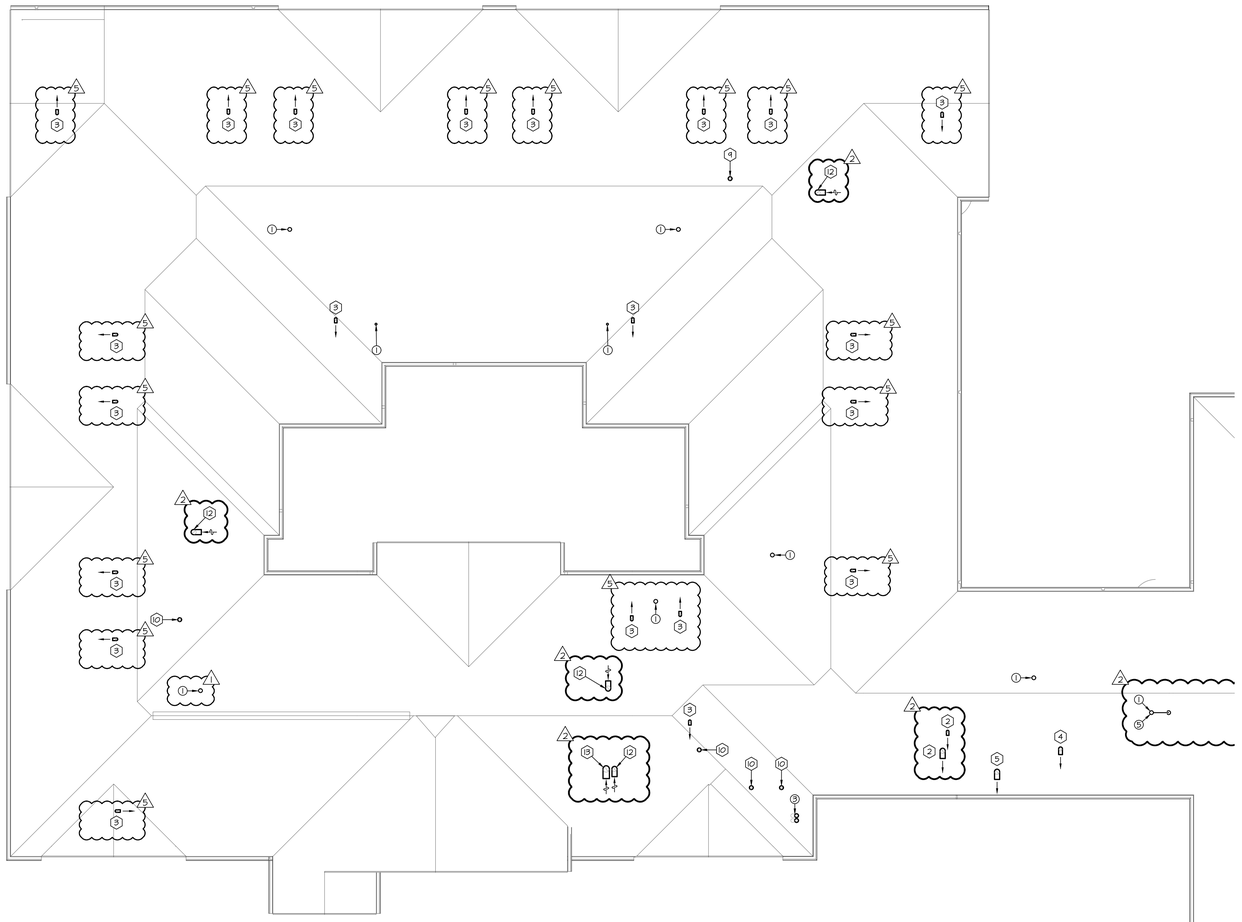


01 MEMORY CARE AREA A ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH

## ELECTRICAL PLAN NOTES:

1. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#6's & #10G IN 3/4"C.
2. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4"C.
3. PROVIDE 100A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#1's & #6G IN 1-1/2"C.
4. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#6's & #10G IN 1"C.
5. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
6. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (3)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
7. PROVIDE A 20A/1P TOGGLE SWITCH IN A WEATHERPROOF ENCLOSURE FOR DISCONNECT AND MAKE ELECTRICAL CONNECTION TO UNIT.
8. FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE AND PROVIDE ELECTRICAL CONNECTION TO UNIT.
9. PROVIDE LIGHT FIXTURE CONTROLLED BY OCCUPANCY SENSOR IN ATTIC SPACE.
10. SEE SHEET EL6 3RD FLOOR AREA A LIGHTING PLAN FOR CONTINUATION.
11. SEE SHEET EL6 3RD FLOOR AREA C LIGHTING PLAN FOR CONTINUATION.

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. DUCTWORK UPSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX INLET SIZE UNLESS NOTED OTHERWISE. PROVIDE STRAIGHT DUCT AT TERMINAL INLET. STRAIGHT DUCT LENGTH SHALL BE A MINIMUM OF 1 1/2 TIMES THE DIAMETER OF THE INLET DUCT, OR GREATER AS RECOMMENDED BY MANUFACTURER.

H. DUCTWORK DOWNSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX OUTLET SIZE UNLESS NOTED OTHERWISE.

I. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

J. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR DIMENSION.

K. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATH FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.

M. CONTRACTOR SHALL ENSURE THAT ALL OUTSIDE AIR INTAKES MAINTAIN 10'-0" OF CLEARANCE FROM ALL ROOF VENTS. ROUTE ROOF VENTS IN ATTIC SPACE TO MAINTAIN CLEARANCE AS REQUIRED.

1 N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## MECHANICAL PLAN NOTES:

1. REFER TO SHEET IL M1.3 FOR MECHANICAL EQUIPMENT LAYOUT.
2. CLOTHES DRYER EXHAUST VENT. REFER TO DETAIL ON MCAL M5.1
3. 4" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 636 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
4. 6" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
5. 8" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

2

6. INSTALL FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
7. INSTALL MAKE-UP AIR UNIT FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
8. INSTALL KITCHEN HOOD EXHAUST FAN FURNISHED BY KITCHEN CONTRACTOR AND SET CURB.
9. FURNACE COMMON VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
10. FURNACE CONCENTRIC VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
11. 12" ELEVATOR EXHAUST VENT. REFER TO INTAKE/EXHAUST GOOSENECK DETAIL DETAIL ON IL M5.1

12. 8" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
13. 10" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 431 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
14. 6" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

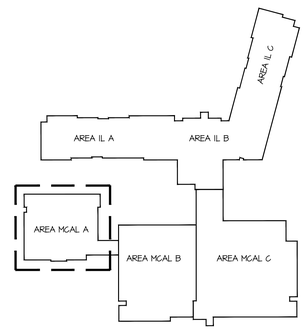
2

15. ROUTE DUCT IN ATTIC SPACE AS SHOWN.
16. 12" ROOF VENT OUTSIDE AIR INTAKE. REFERENCE ROUND INTAKE/EXHAUST GOOSENECK DETAIL ON SHEET IL M5.1.

## PLUMBING PLAN NOTES:

1. 3" VENT THRU ROOF.
2. 1" GAS FROM BELOW TO RTU'S.
3. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS.
4. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.

2 5. 3" VENT THRU ROOF OFFSET TO MEET FIRE WALL CLEARANCE.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

ROOF PLAN AREA A
MPE MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MPE2.1

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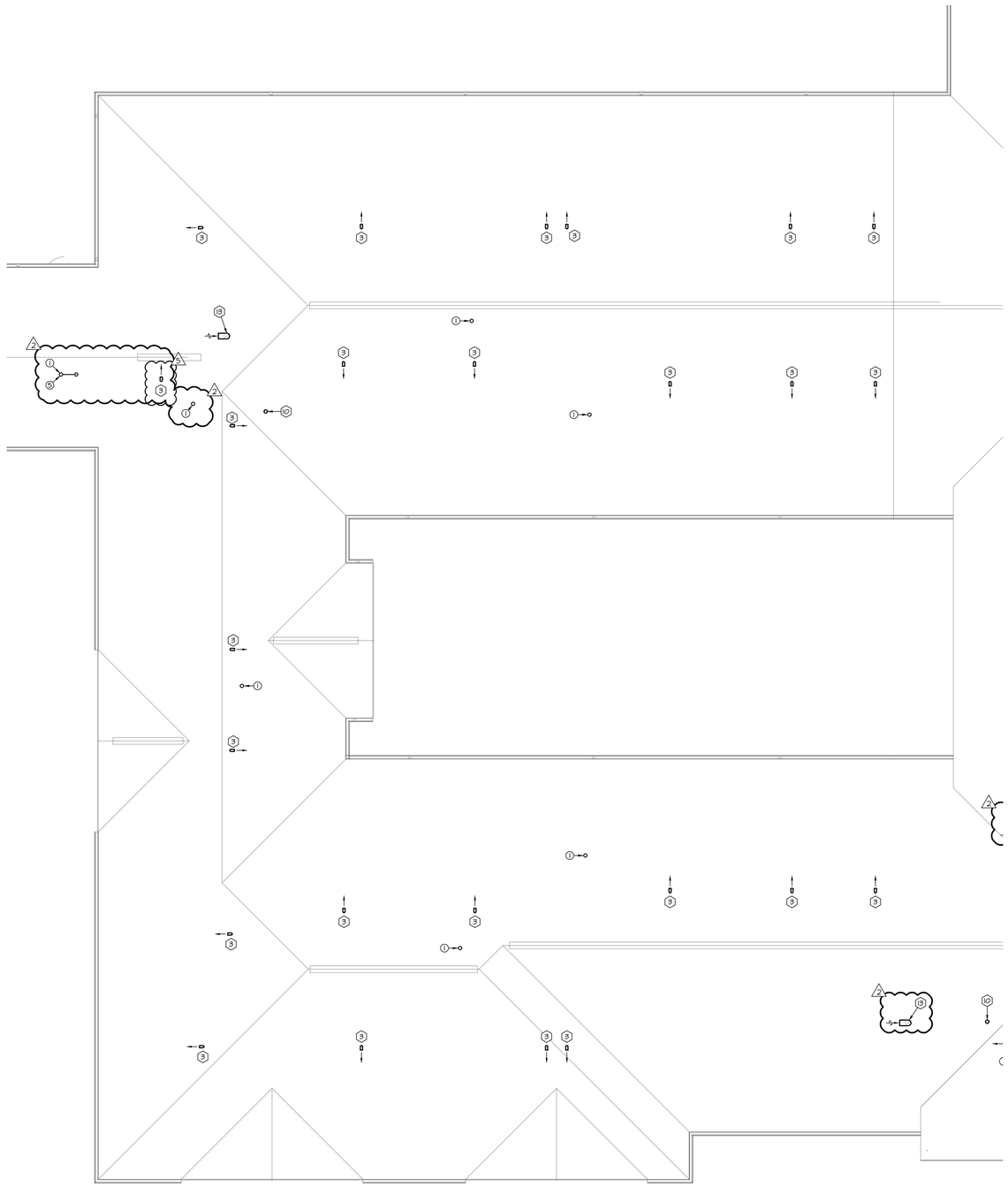


01 ASSISTED LIVING AREA B ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH

## ELECTRICAL PLAN NOTES:

1. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#6's & #10G IN 3/4"C.
2. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4"C.
3. PROVIDE 100A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#1's & #6G IN 1-1/2"C.
4. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#6's & #10G IN 1"C.
5. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
6. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (3)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
7. PROVIDE A 20A/1P TOGGLE SWITCH IN A WEATHERPROOF ENCLOSURE FOR DISCONNECT AND MAKE ELECTRICAL CONNECTION TO UNIT.
8. FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE AND PROVIDE ELECTRICAL CONNECTION TO UNIT.
9. PROVIDE LIGHT FIXTURE CONTROLLED BY OCCUPANCY SENSOR IN ATTIC SPACE.
10. SEE SHEET EL6 3RD FLOOR AREA A LIGHTING PLAN FOR CONTINUATION.
11. SEE SHEET EL6 3RD FLOOR AREA C LIGHTING PLAN FOR CONTINUATION.

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. DUCTWORK UPSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX INLET SIZE UNLESS NOTED OTHERWISE. PROVIDE STRAIGHT DUCT AT TERMINAL INLET. STRAIGHT DUCT LENGTH SHALL BE A MINIMUM OF 1 1/2 TIMES THE DIAMETER OF THE INLET DUCT, OR GREATER AS RECOMMENDED BY MANUFACTURER.

H. DUCTWORK DOWNSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX OUTLET SIZE UNLESS NOTED OTHERWISE.

I. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

J. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR DIMENSION.

K. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATH FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.

M. CONTRACTOR SHALL ENSURE THAT ALL OUTSIDE AIR INTAKES MAINTAIN 10'-0" OF CLEARANCE FROM ALL ROOF VENTS. ROUTE ROOF VENTS IN ATTIC SPACE TO MAINTAIN CLEARANCE AS REQUIRED.

1 N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## MECHANICAL PLAN NOTES:

1. REFER TO SHEET IL M1.3 FOR MECHANICAL EQUIPMENT LAYOUT.
2. CLOTHES DRYER EXHAUST VENT. REFER TO DETAIL ON MCAL M5.1
3. 4" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 636 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
4. 6" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
5. 8" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

2

6. INSTALL FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
7. INSTALL MAKE-UP AIR UNIT FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
8. INSTALL KITCHEN HOOD EXHAUST FAN FURNISHED BY KITCHEN CONTRACTOR AND SET CURB.
9. FURNACE COMMON VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
10. FURNACE CONCENTRIC VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
11. 12" ELEVATOR EXHAUST VENT. REFER TO INTAKE/EXHAUST GOOSENECK DETAIL DETAIL ON IL M5.1
12. 8" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
13. 10" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 431 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
14. 6" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

2

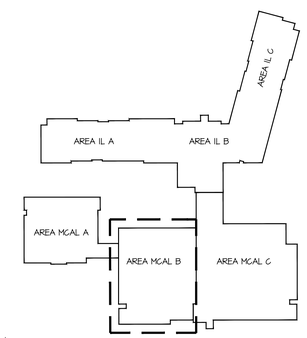
15. ROUTE DUCT IN ATTIC SPACE AS SHOWN.
16. 12" ROOF VENT OUTSIDE AIR INTAKE. REFERENCE ROUND INTAKE/EXHAUST GOOSENECK DETAIL ON SHEET IL M5.1.

## PLUMBING PLAN NOTES:

1. 3" VENT THRU ROOF.
2. 1" GAS FROM BELOW TO RTU'S.
3. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS.
4. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.

2

5. 3" VENT THRU ROOF OFFSET TO MEET FIRE WALL CLEARANCE.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
© Hoss & Brown Engineers 2019
MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ROOF PLAN AREA B
MPE MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MPE2.2

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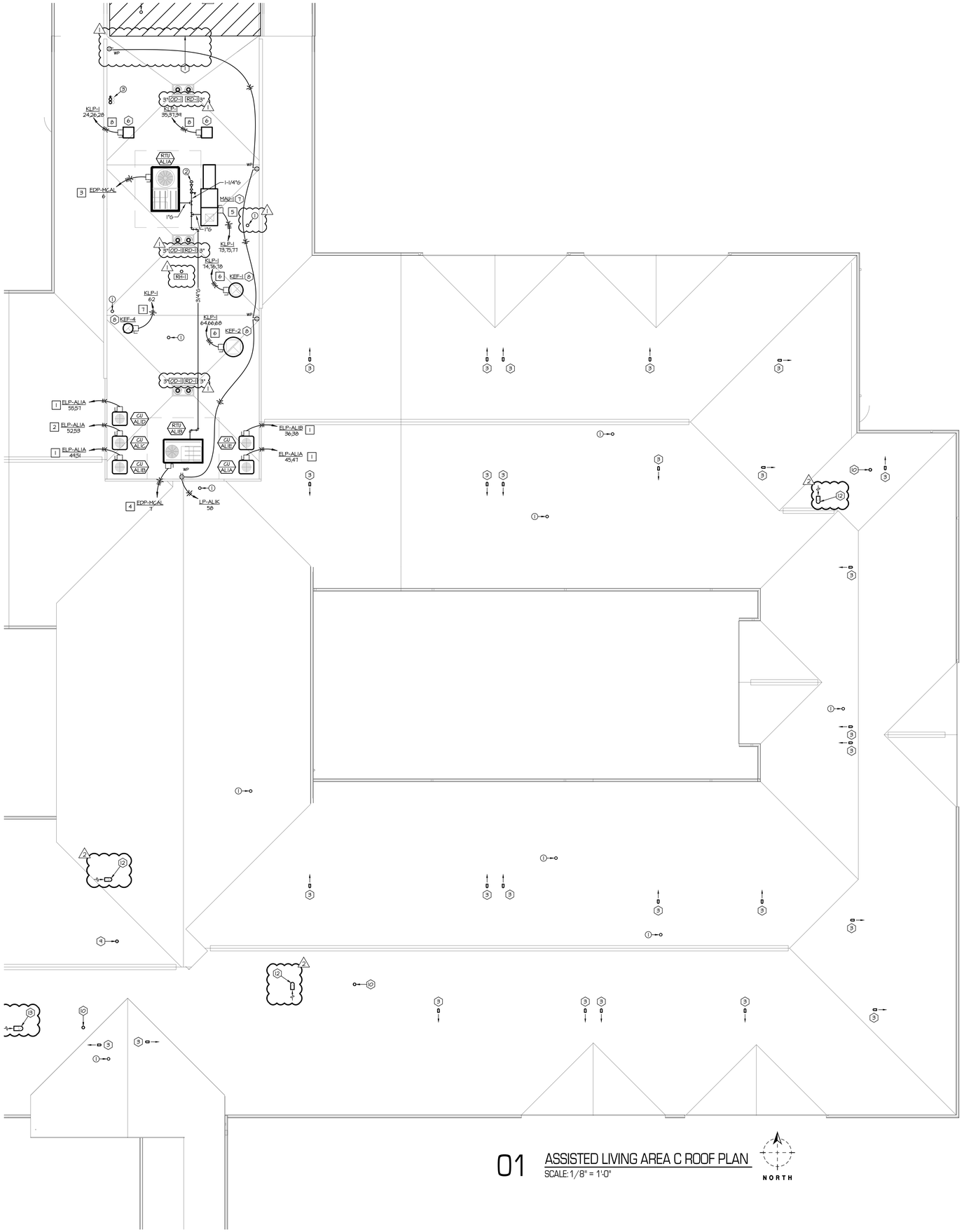


01 ASSISTED LIVING AREA C ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH

## ELECTRICAL PLAN NOTES:

1. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#6's & #10G IN 3/4"C.
2. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4"C.
3. PROVIDE 100A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#1's & #8G IN 1-1/2"C.
4. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#6's & #10G IN 1"C.
5. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
6. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (3)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
7. PROVIDE A 20A/1P TOGGLE SWITCH IN A WEATHERPROOF ENCLOSURE FOR DISCONNECT AND MAKE ELECTRICAL CONNECTION TO UNIT.
8. FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE AND PROVIDE ELECTRICAL CONNECTION TO UNIT.
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10. SEE SHEET EL6 3RD FLOOR AREA A LIGHTING PLAN FOR CONTINUATION.
11. SEE SHEET EL6 3RD FLOOR AREA C LIGHTING PLAN FOR CONTINUATION.

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A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

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F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. DUCTWORK UPSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX INLET SIZE UNLESS NOTED OTHERWISE. PROVIDE STRAIGHT DUCT AT TERMINAL INLET. STRAIGHT DUCT LENGTH SHALL BE A MINIMUM OF 1 1/2 TIMES THE DIAMETER OF THE INLET DUCT, OR GREATER AS RECOMMENDED BY MANUFACTURER.

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L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATH FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.

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1 N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## MECHANICAL PLAN NOTES:

1. REFER TO SHEET IL M1.3 FOR MECHANICAL EQUIPMENT LAYOUT.
2. CLOTHES DRYER EXHAUST VENT. REFER TO DETAIL ON MCAL M5.1
3. 4" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 636 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
4. 6" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
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2 6. INSTALL FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.

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9. FURNACE COMMON VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
10. FURNACE CONCENTRIC VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
11. 12" ELEVATOR EXHAUST VENT. REFER TO INTAKE/EXHAUST GOOSENECK DETAIL DETAIL ON IL M5.1

2 12. 8" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

13. 10" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 637 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

2 14. 6" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

15. ROUTE DUCT IN ATTIC SPACE AS SHOWN.
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## PLUMBING PLAN NOTES:

1. 3" VENT THRU ROOF.
2. 1" GAS FROM BELOW TO RTU'S.
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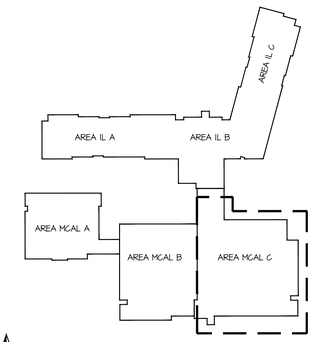


NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
© Hoss & Brown Engineers 2019
MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

STARK WILSON DUNCAN ARCHITECTS INC

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ROOF PLAN AREA C
MPE MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MPE2.3

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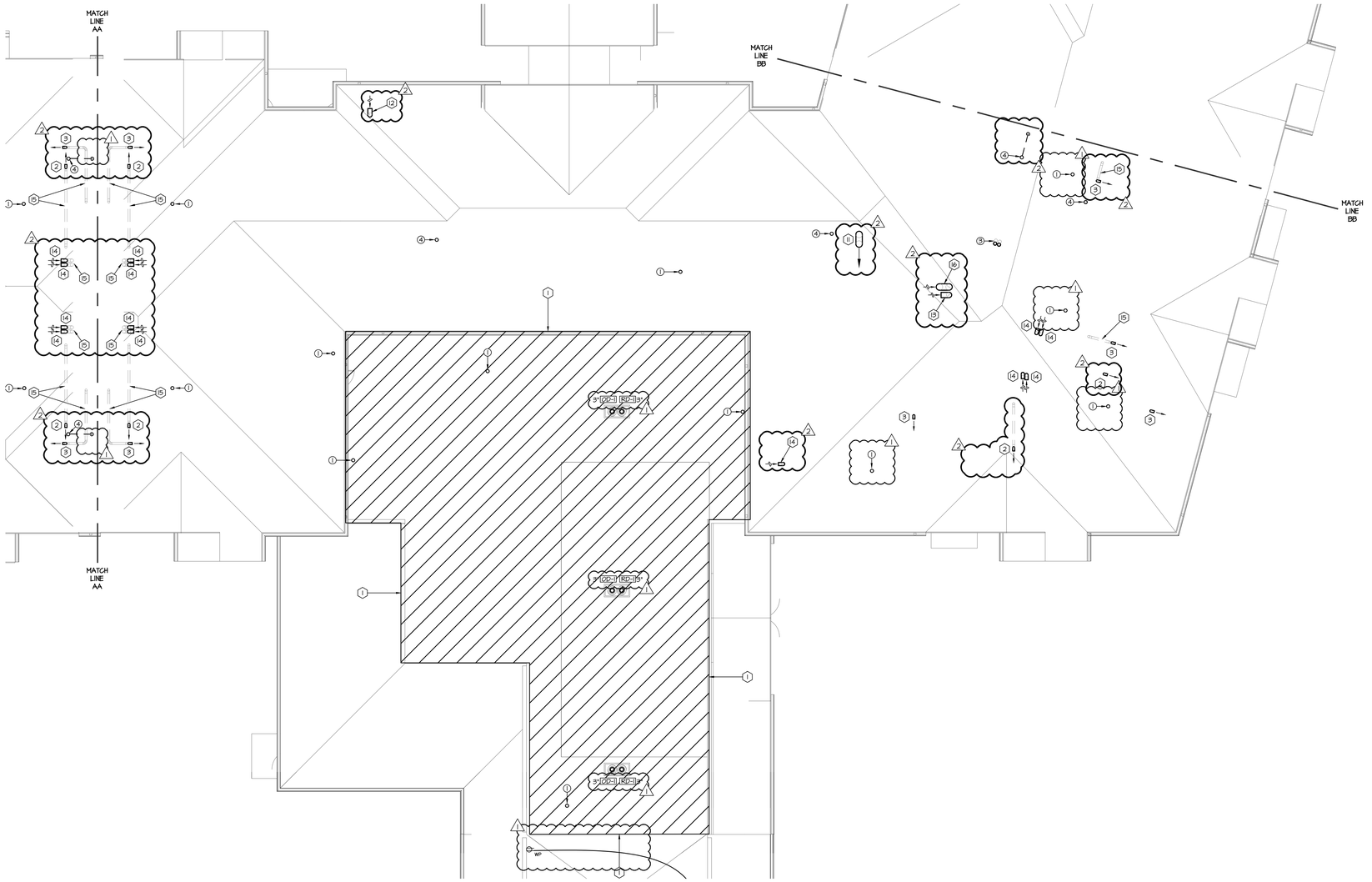


01 INDEPENDENT LIVING AREA B ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH

## ELECTRICAL PLAN NOTES:

1. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#6's & #10G IN 3/4"C.
2. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4"C.
3. PROVIDE 100A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#1's & #6G IN 1-1/2"C.
4. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#6's & #10G IN 1"C.
5. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
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2
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10. FURNACE CONCENTRIC VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
11. 12" ELEVATOR EXHAUST VENT. REFER TO INTAKE/EXHAUST GOOSENECK DETAIL DETAIL ON IL M5.1

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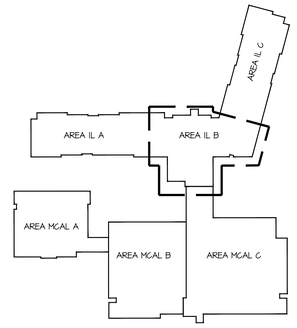
2
5. 3" VENT THRU ROOF OFFSET TO MEET FIRE WALL CLEARANCE.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

ROOF PLAN AREA B
MPE INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MPE2.4

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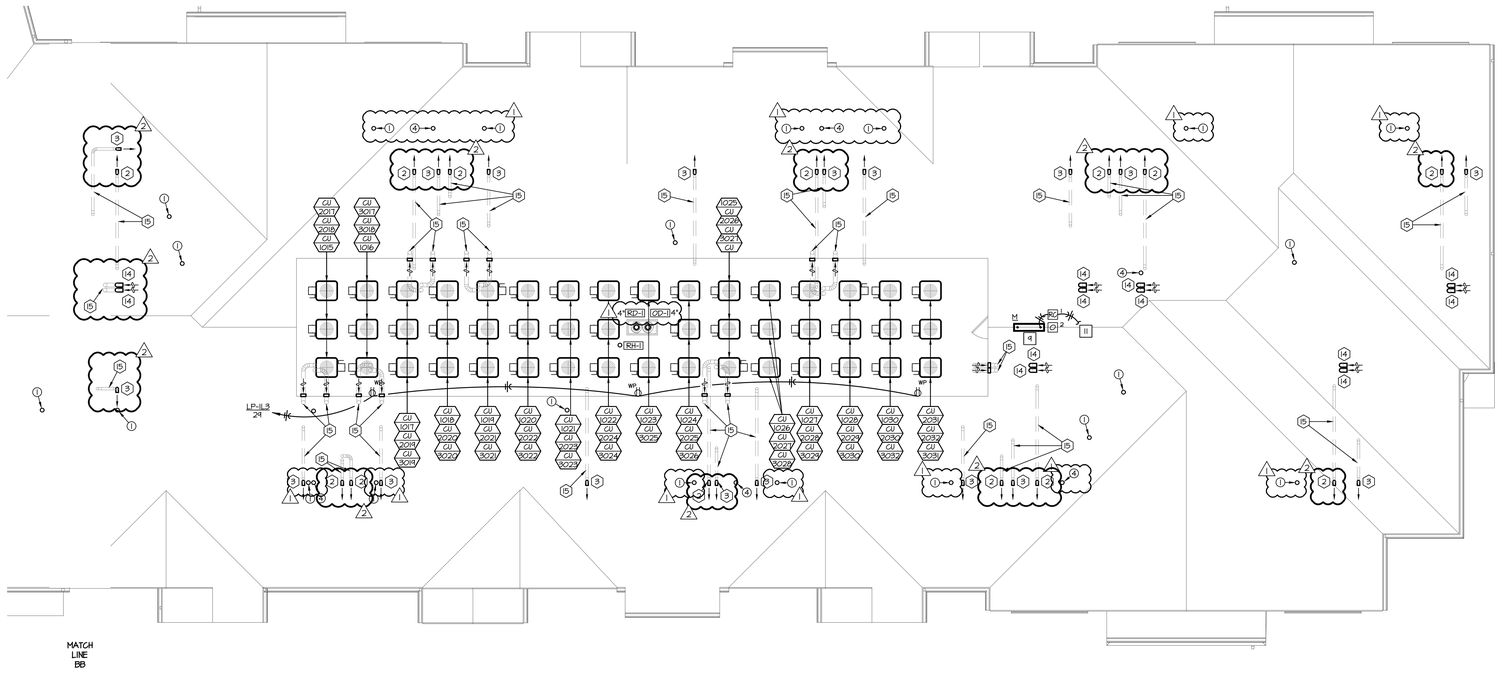
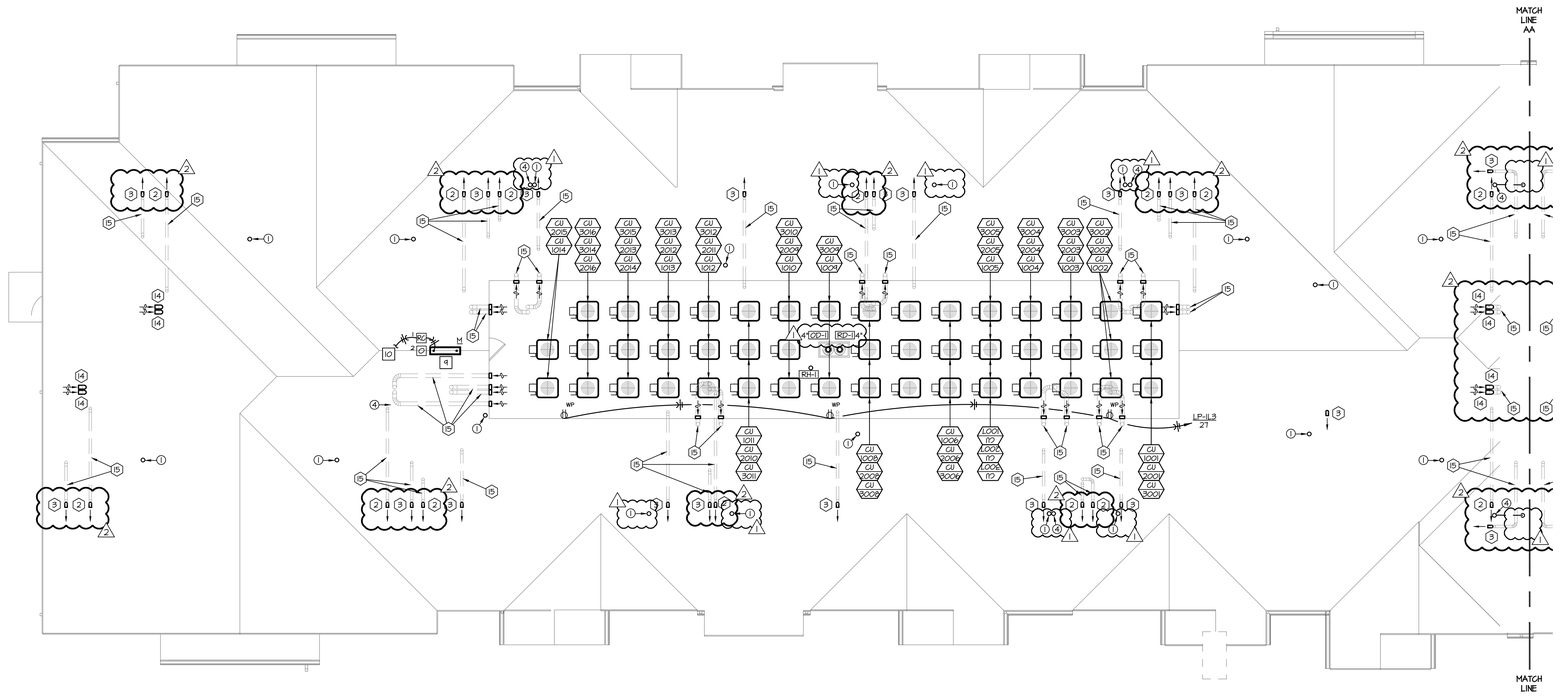



01 INDEPENDENT LIVING AREA A ROOF PLAN
SCALE: 1/8" = 1'-0"




02 INDEPENDENT LIVING AREA C ROOF PLAN
SCALE: 1/8" = 1'-0"

NORTH

## ELECTRICAL PLAN NOTES:

1. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#6's & #10G IN 3/4"C.
2. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4"C.
3. PROVIDE 100A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#1's & #6G IN 1-1/2"C.
4. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. MAKE ELECTRICAL CONNECTION WITH (4)#6's & #10G IN 1"C.
5. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
6. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (3)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
7. PROVIDE A 20A/1P TOGGLE SWITCH IN A WEATHERPROOF ENCLOSURE FOR DISCONNECT AND MAKE ELECTRICAL CONNECTION TO UNIT.
8. FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR. PROVIDE A 208V/30A DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE AND PROVIDE ELECTRICAL CONNECTION TO UNIT.
9. PROVIDE LIGHT FIXTURE CONTROLLED BY OCCUPANCY SENSOR IN ATTIC SPACE.
10. SEE SHEET EL6 3RD FLOOR AREA A LIGHTING PLAN FOR CONTINUATION.
11. SEE SHEET EL6 3RD FLOOR AREA C LIGHTING PLAN FOR CONTINUATION.

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. DUCTWORK UPSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX INLET SIZE UNLESS NOTED OTHERWISE. PROVIDE STRAIGHT DUCT AT TERMINAL INLET. STRAIGHT DUCT LENGTH SHALL BE A MINIMUM OF 1 1/2 TIMES THE DIAMETER OF THE INLET DUCT, OR GREATER AS RECOMMENDED BY MANUFACTURER.

H. DUCTWORK DOWNSTREAM OF SUPPLY TERMINAL UNITS SHALL BE BOX OUTLET SIZE UNLESS NOTED OTHERWISE.

I. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

J. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR DIMENSION.

K. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATH FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.

M. CONTRACTOR SHALL ENSURE THAT ALL OUTSIDE AIR INTAKES MAINTAIN 10'-0" OF CLEARANCE FROM ALL ROOF VENTS. ROUTE ROOF VENTS IN ATTIC SPACE TO MAINTAIN CLEARANCE AS REQUIRED.

1 N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## MECHANICAL PLAN NOTES:

1. REFER TO SHEET IL M1.3 FOR MECHANICAL EQUIPMENT LAYOUT.
2. CLOTHES DRYER EXHAUST VENT. REFER TO DETAIL ON MCAL M5.1
3. 4" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 636 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
4. 6" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
5. 8" EXHAUST ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

2 (3, 4, 5)

6. INSTALL FREEZER AND COOLER CONDENSING UNITS FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
7. INSTALL MAKE-UP AIR UNIT FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
8. INSTALL KITCHEN HOOD EXHAUST FAN FURNISHED BY KITCHEN CONTRACTOR AND SET CURB.
9. FURNACE COMMON VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
10. FURNACE CONCENTRIC VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
11. 12" ELEVATOR EXHAUST VENT. REFER TO INTAKE/EXHAUST GOOSENECK DETAIL DETAIL ON IL M5.1

12. 8" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
13. 10" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 431 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
14. 6" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634M ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

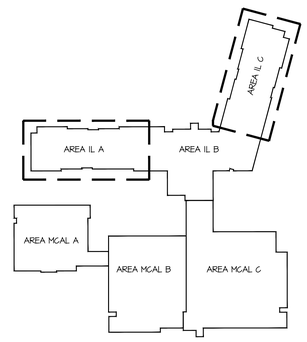
2 (12, 13, 14)

15. ROUTE DUCT IN ATTIC SPACE AS SHOWN.
16. 12" ROOF VENT OUTSIDE AIR INTAKE. REFERENCE ROUND INTAKE/EXHAUST GOOSENECK DETAIL ON SHEET IL M5.1.

## PLUMBING PLAN NOTES:

1. 3" VENT THRU ROOF.
2. 1" GAS FROM BELOW TO RTU'S.
3. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS.
4. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.
5. 3" VENT THRU ROOF OFFSET TO MEET FIRE WALL CLEARANCE.

2 (5)

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LEE'S SUMMIT, MISSOURI
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ROOF PLAN AREA A & C
MPE INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MPE2.5

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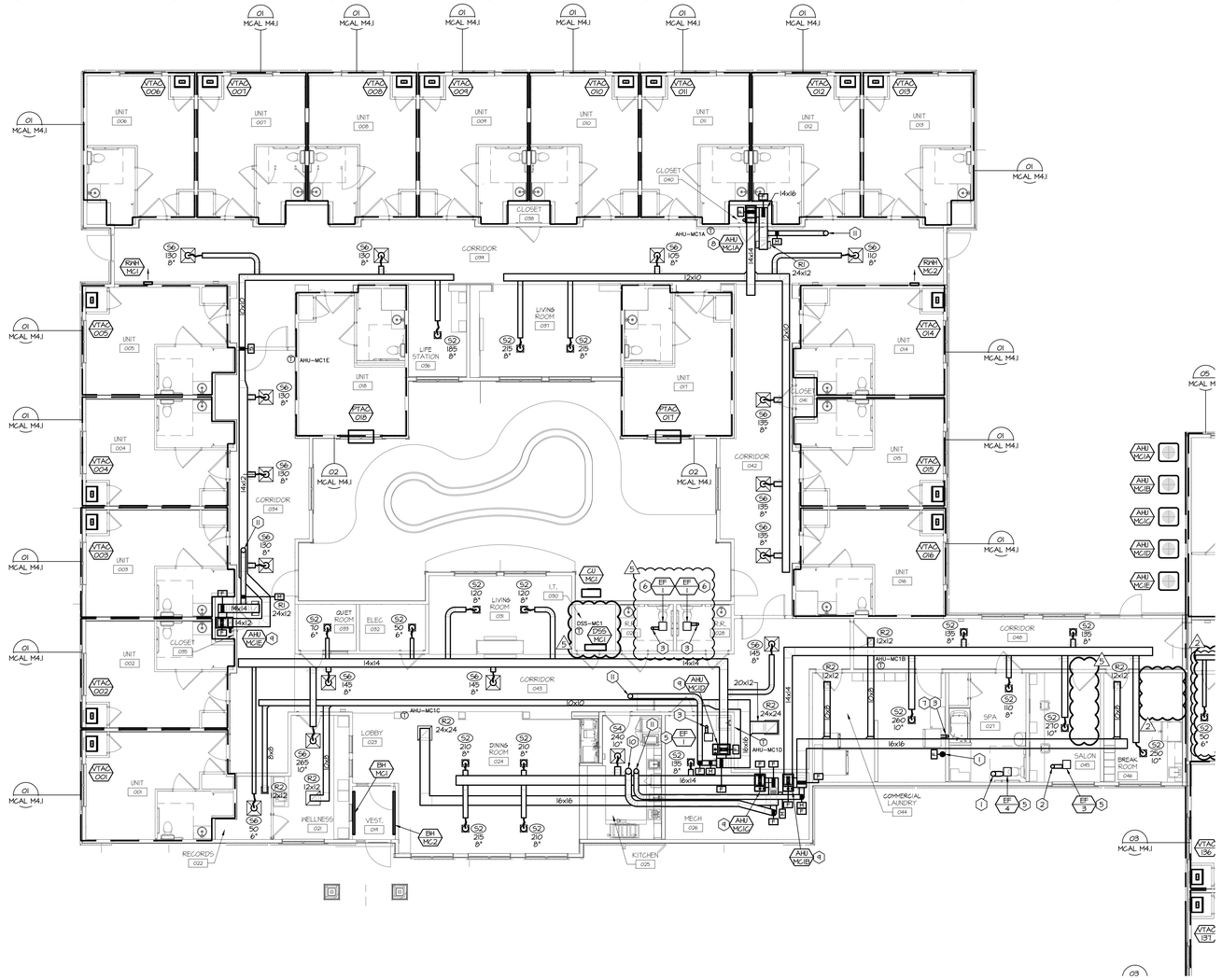



## 01 1ST FLOOR AREA A - MECHANICAL

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

H. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR DIMENSION.

I. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

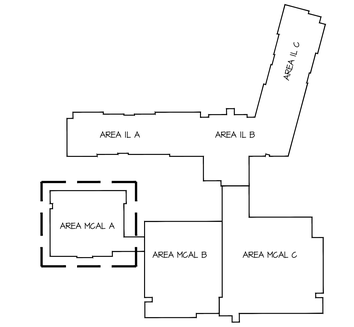
J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

K. MOTORIZED DAMPERS IN DUCTWORK TO BE ACTIVATED AND CONTROLLED BY GENERAL SMOKE DETECTORS IN SPACE SERVED, AND BY DUCT SMOKE DETECTORS IN RETURN DUCTWORK.

L. ALL DUCTWORK SHOWN IS LOCATED IN ATTIC SPACE UNLESS OTHERWISE NOTED. PROVIDE ALL DUCTWORK WITHIN ATTIC SPACE WITH ATTIC RATED INSULATION (REFER TO SPECIFICATIONS). COORDINATE DUCT ROUTING WITH TRUSS MANUFACTURER.

## PLAN NOTES:

1. ROUTE 8" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
2. ROUTE 6" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
3. ROUTE 4" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
4. UP TO RTU-ALIB. REFER TO ROOF PLAN FOR CONTINUATION.
5. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
6. RADIATION DAMPER TO BE INSTALLED IN TOILET FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
7. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1000M FOR RATED WALLS.
8. PROVIDE FLUE TO ROOF PER MANUFACTURER. REFER TO DETAIL ON SHEET MCAL M5.1.
9. PROVIDE CONCENTRIC INTAKE/VENT TO ROOF PER MANUFACTURER. REFER TO DETAIL ON SHEET MCAL M5.1.
10. ROUTE 10" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
11. ROUTE 8" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.

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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA A
MECHANICAL
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL M1.1

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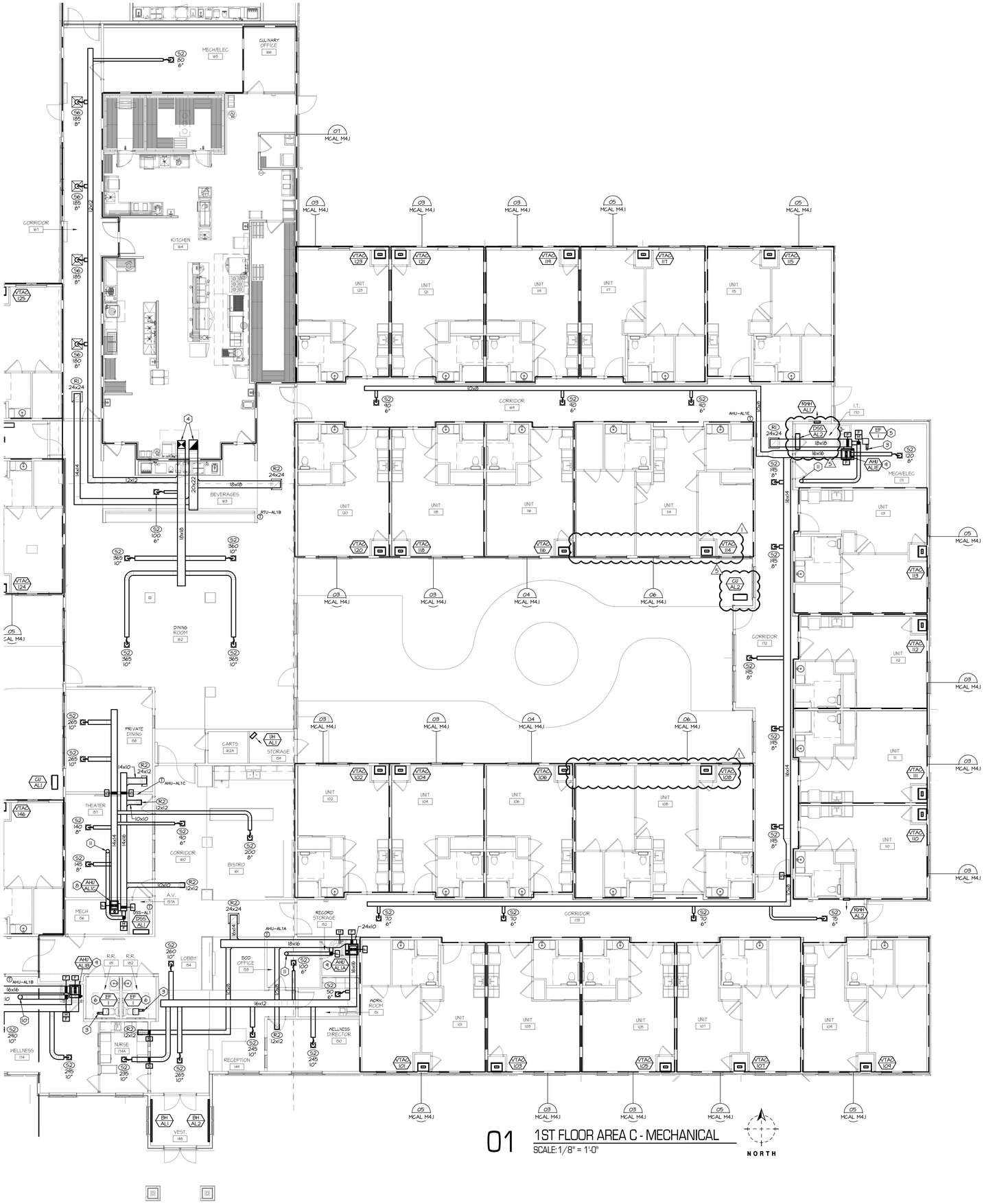


01 1ST FLOOR AREA C - MECHANICAL

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

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

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E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

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I. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

K. MOTORIZED DAMPERS IN DUCTWORK TO BE ACTIVATED AND CONTROLLED BY GENERAL SMOKE DETECTORS IN SPACE SERVED, AND BY DUCT SMOKE DETECTORS IN RETURN DUCTWORK.

L. ALL DUCTWORK SHOWN IS LOCATED IN ATTIC SPACE UNLESS OTHERWISE NOTED. PROVIDE ALL DUCTWORK WITHIN ATTIC SPACE WITH ATTIC RATED INSULATION (REFER TO SPECIFICATIONS). COORDINATE DUCT ROUTING WITH TRUSS MANUFACTURER.

## PLAN NOTES:

1. ROUTE 8" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
2. ROUTE 6" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
3. ROUTE 4" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
4. UP TO RTU-AL1B. REFER TO ROOF PLAN FOR CONTINUATION.
5. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
6. RADIATION DAMPER TO BE INSTALLED IN TOILET FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
7. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1600M FOR RATED WALLS.
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# MCAL M1.3

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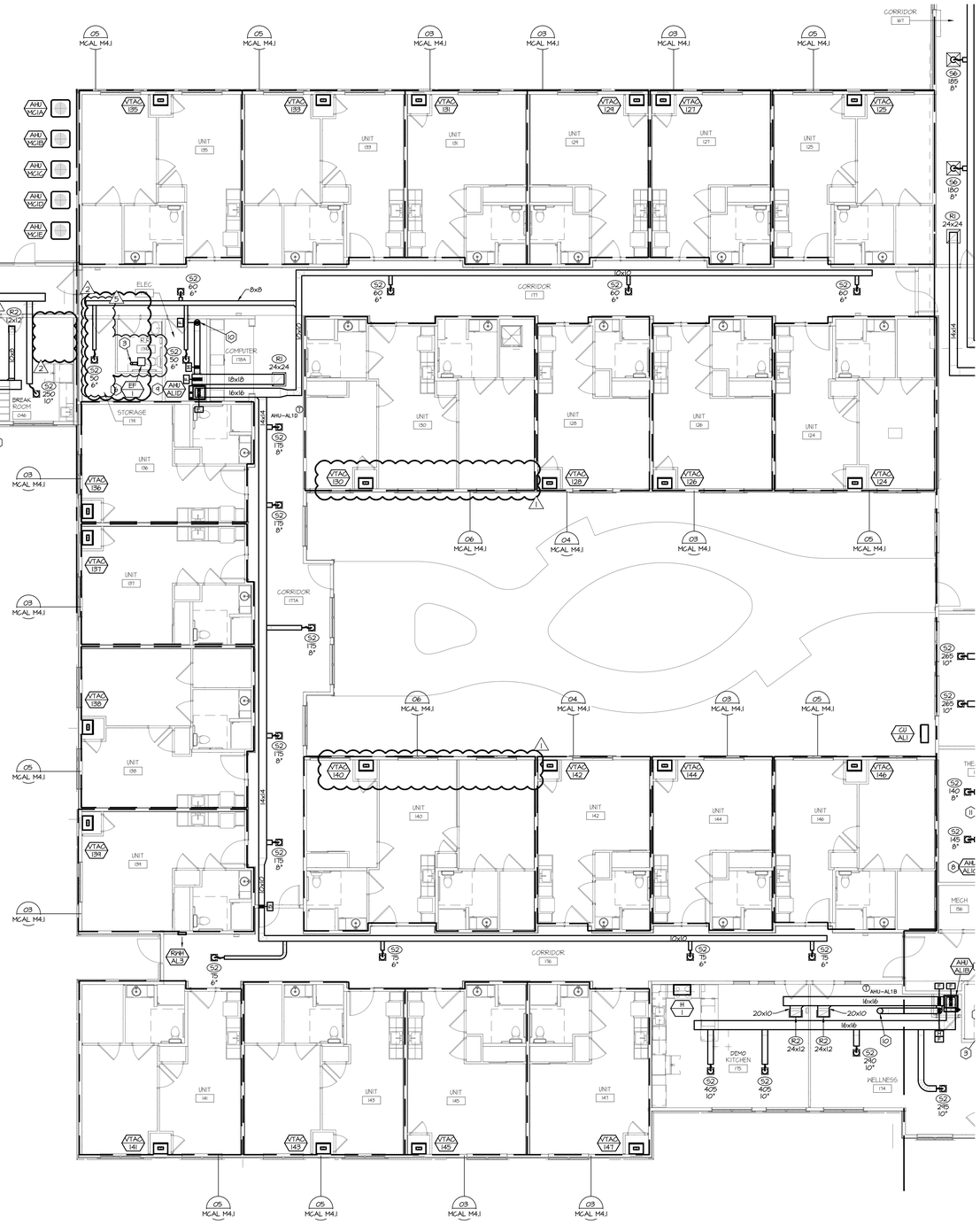


01 1ST FLOOR AREA B - MECHANICAL

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

NORTH

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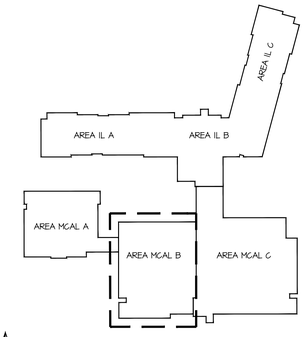
J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

K. MOTORIZED DAMPERS IN DUCTWORK TO BE ACTIVATED AND CONTROLLED BY GENERAL SMOKE DETECTORS IN SPACE SERVED, AND BY DUCT SMOKE DETECTORS IN RETURN DUCTWORK.

L. ALL DUCTWORK SHOWN IS LOCATED IN ATTIC SPACE UNLESS OTHERWISE NOTED. PROVIDE ALL DUCTWORK WITHIN ATTIC SPACE WITH ATTIC RATED INSULATION (REFER TO SPECIFICATIONS). COORDINATE DUCT ROUTING WITH TRUSS MANUFACTURER.

## PLAN NOTES:

1. ROUTE 8" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
2. ROUTE 6" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
3. ROUTE 4" EXHAUST DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
4. UP TO RTU-ALIB. REFER TO ROOF PLAN FOR CONTINUATION.
5. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
6. RADIATION DAMPER TO BE INSTALLED IN TOILET FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
7. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX4424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1000M FOR RATED WALLS.
8. PROVIDE FLUE TO ROOF PER MANUFACTURER. REFER TO DETAIL ON SHEET MCAL M5.1.
9. PROVIDE CONCENTRIC INTAKE/VENT TO ROOF PER MANUFACTURER. REFER TO DETAIL ON SHEET MCAL M5.1.
10. ROUTE 10" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
11. ROUTE 8" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL

PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA B
MECHANICAL
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:

6/14/19

REVISIONS:

1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL M1.2

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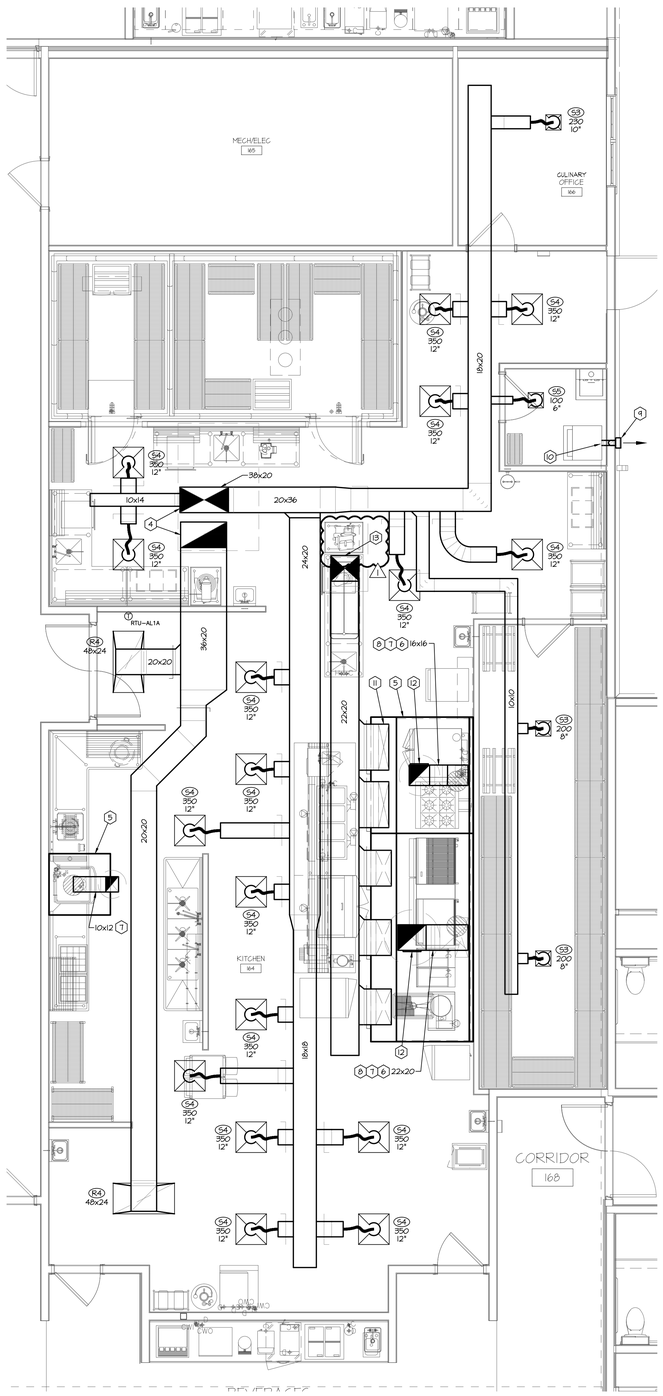
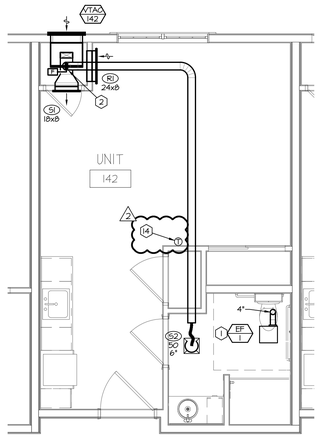
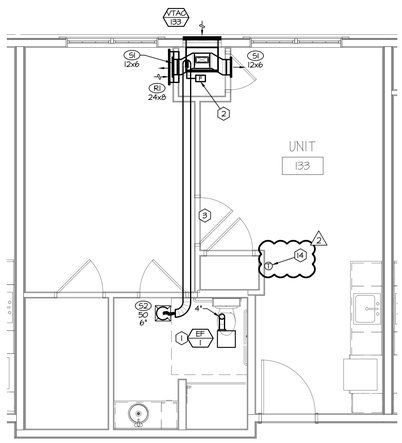



07 ENLARGED PLAN MECHANICAL
MCAL/IL KITCHEN
SCALE: 1/4" = 1'-0"




04 ENLARGED PLAN MECHANICAL
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"




05 ENLARGED PLAN MECHANICAL
AL UNIT TYPE E
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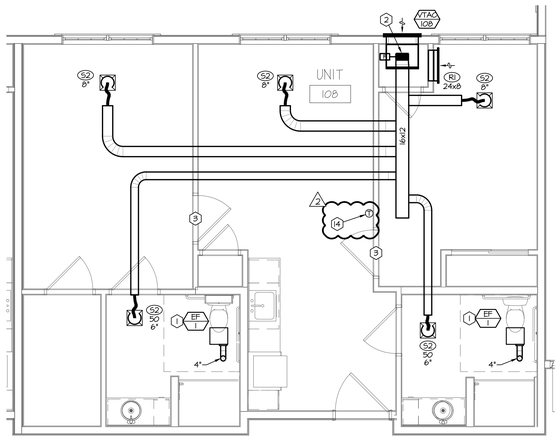
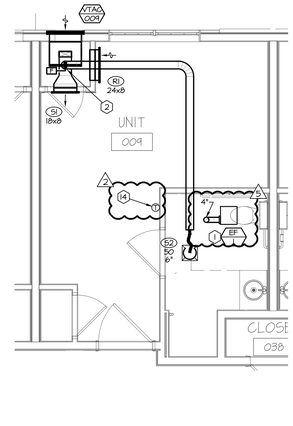
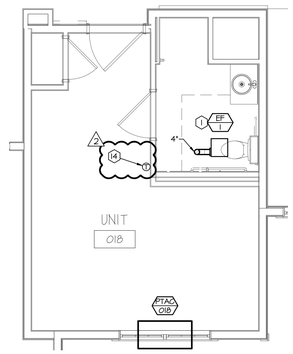


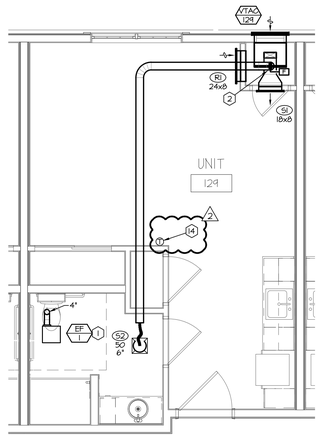

06 ENLARGED PLAN MECHANICAL
AL UNIT TYPE F
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN MECHANICAL
MC UNIT TYPE A
SCALE: 1/4" = 1'-0"




02 ENLARGED PLAN MECHANICAL
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"




03 ENLARGED PLAN MECHANICAL
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"

## MECHANICAL GENERAL NOTES:

A. REFERENCE SHEET MCAL M1.1 FOR MECHANICAL GENERAL NOTES.

## KITCHEN GENERAL NOTES:

A. SLOPE ALL GREASE DUCTS TOWARDS KITCHEN HOODS.

B. CLEANOUTS AND ACCESS DOORS SHALL BE PROVIDED IN GREASE DUCTS PER IMC 2018, SECTION 506.3.

C. KITCHEN EQUIPMENT SUPPLIER SHALL PROVIDE ALL HOODS, CONTROLS, FIRE SUPPRESSION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT. CONTRACTOR SHALL COORDINATE INSTALLATION AND REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER.

D. PER IMC 2018, ALL GREASE DUCT SHALL MAINTAINED REQUIRED CLEARANCES FROM COMBUSTIBLE MATERIALS.

## PLAN NOTES:

1. RADIATION DAMPER TO BE INSTALLED IN TOILET FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
2. RADIATION DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
3. UNDERCUT BEDROOM DOOR FOR AIR TRANSFER (TYP.).
4. UP TO RTU-ALIA. REFER TO ROOF PLAN FOR CONTINUATION.
5. MECHANICAL CONTRACTOR SHALL INSTALL KITCHEN EXHAUST HOOD AND ALL CEILING TRIMS, AND COORDINATE WITH GENERAL CONTRACTOR FOR A COMPLETE AND OPERABLE INSTALLATION.
6. REFER TO MECHANICAL SPECIFICATIONS SECTION 23 07 19-DUCT INSULATION, PART 2- PRODUCTS, SECTION 2.01 FIRE-RATED BLANKET INSULATION-TYPE 7:
   - A. 3M FIRE BARRIER DUCT WRAP 615+, FLEXIBLE HIGH-TEMPERATURE FIRE-RESISTANT WRAP COMPOSED OF INORGANIC FIBERS ENCAPSULATED WITH A SCRIM-REINFORCE FOIL, COMPLY WITH ASTM E2336 AND ISO 6944-1985, 3M FSK TAPE 3520; FOIL-FACE, VAPOR-RETARDER TAPE MATCHING FACTORY-APPLIED JACKET, 3M FIRE BARRIER SEALANT COMPATIBLE WITH INSULATION MATERIALS, JACKETS, AND SUBSTRATES AND FOR BONDING INSULATION TO ITSELF AND TO SURFACES TO BE INSULATED.
     - A.A. THICKNESS: 1-1/2"
     - A.B. DENSITY: 6.0 PCF
     - A.C. THERMAL CONDUCTIVITY (K-VALUE): 0.24 AT 75ºF MEAN TEMPERATURE.
     - A.D. THERMAL RESISTANCE (R-VALUE): 6.3 AT AMBIENT TEMPERATURE.
   - B. THE BASIS FIRE-RATED BLANKET INSULATION IS 3M WHICH SHALL REPRESENT THE MINIMUM LEVEL OF CONSTRUCTION. PRODUCTS MANUFACTURED BY OWENS-CORNING, JOHNS-MANSVILLE AND FIRE MASTER SHALL BE PERMITTED TO BID THESE SPECIFICATIONS.
   - C. KITCHEN HOOD GREASE EXHAUST DUCTS FROM HOOD CONNECTION TO EXHAUST FAN CONNECTION, SHALL RECEIVE A TWO LAYER WRAP OF FIRE RATED INSULATION.
7. TRANSITION EXHAUST DUCT TO HOOD CONNECTION. DUCT SIZE AS SHOWN UP TO EXHAUST FAN ON ROOF.
8. ROUTE GREASE EXHAUST DUCT AT A 45 DEGREE ANGLE OR GREATER TO ALLOW FOR GREASE DRAINAGE BACK TO EXHAUST HOOD.
9. EXHAUST VENT. REFER TO DETAIL ON SHEET M5.1.
10. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1000M FOR RATED WALLS.
11. DUCT SIZE PER HOOD CONNECTION (TYPICAL). COORDINATE WITH STRUCTURE.
12. PROVIDE 14x16 U.L. LISTED ACCESS DOOR ASSEMBLY IN GREASE DUCT. BOTTOM OF ACCESS DOOR TO BE 1' ABOVE BOTTOM OF DUCT. COORDINATE INSTALLATION WITH FIRE WRAP INSULATION.

| | |
|---|---|
| 13. | UP TO MUA-1. REFER TO ROOF PLAN FOR CONTINUATION. |
| 14. | THERMOSTAT SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS IN UNITS CALLED OUT AS ADA BY ARCHITECT. |

RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
06/20/19

SWD ARCHITECTS
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
MECHANICAL
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL M4.1

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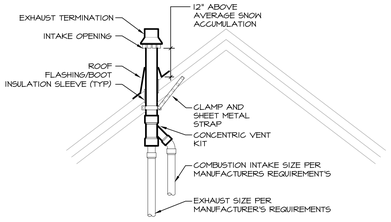
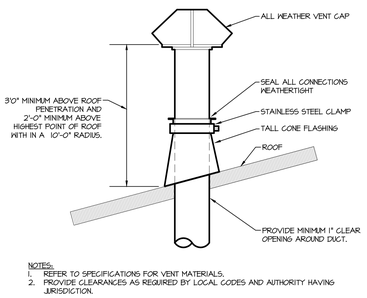


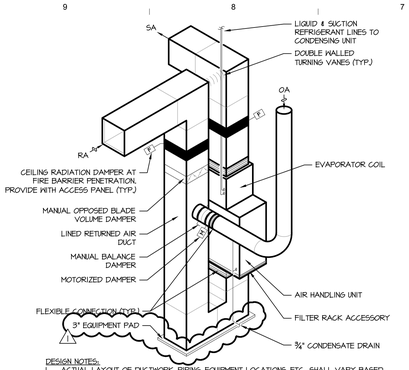

NOTES:
1. CONCENTRIC VENT KIT SHALL INCLUDE RAIN CAP AND WYE CONCENTRIC FITTINGS.
2. FLAT ROOF INSTALLATION SIMILAR.

## 17 CONCENTRIC VENT TERMINATION DETAIL
SCALE: NOT TO SCALE



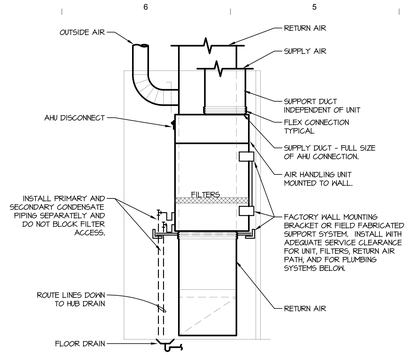

NOTES:
1. REFER TO SPECIFICATIONS FOR VENT MATERIALS.
2. PROVIDE CLEARANCES AS REQUIRED BY LOCAL CODES AND AUTHORITY HAVING JURISDICTION.

## 18 FLUE TERMINATION DETAIL
SCALE: NOT TO SCALE

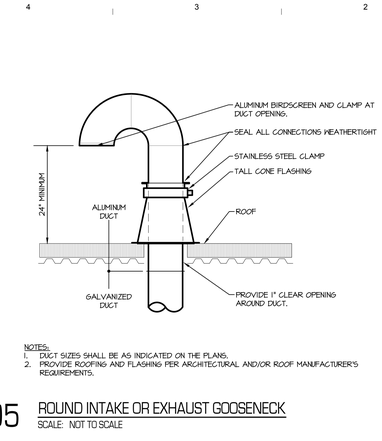



DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

## 13 AIR HANDLING UNIT DETAIL
SCALE: NOT TO SCALE

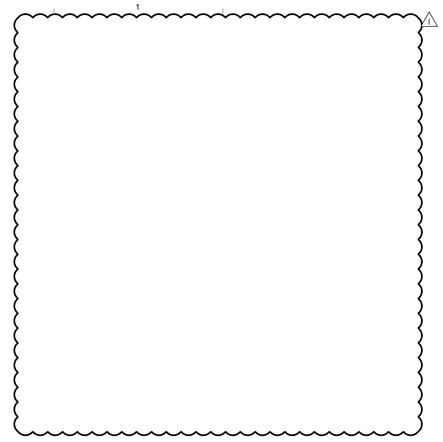


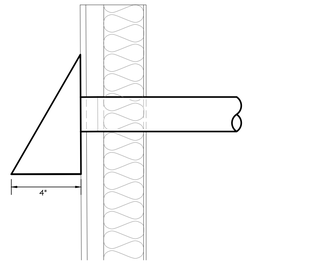

## 09 TYPICAL AIR HANDLING UNIT CLOSET DETAIL
SCALE: NOT TO SCALE




NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.

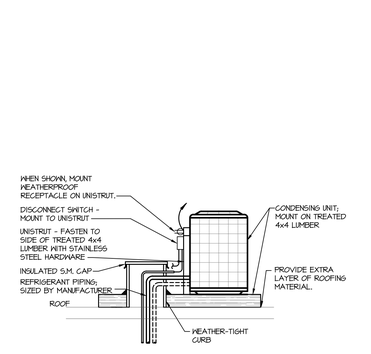
## 05 ROUND INTAKE OR EXHAUST GOOSENECK
SCALE: NOT TO SCALE



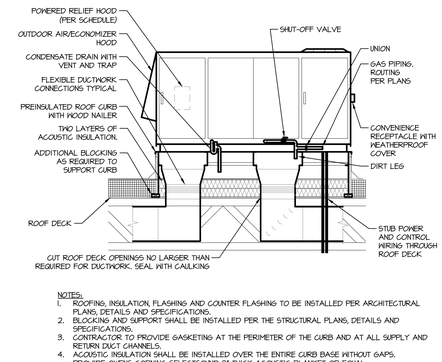



NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE SIDING AND FLASHING PER ARCHITECTURAL AND/OR SIDING MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW.
5. ALL WALL CAPS TO BE PAINTABLE.
6. PROVIDE BUG SCREENS FOR BATHROOM EXHAUST.
7. PROVIDE BACKDRAFT DAMPERS FOR BATHROOM EXHAUST AND DRYER EXHAUST.

## 10 EXTERIOR WALL BATHROOM EXHAUST & DRYER EXHAUST DETAIL
SCALE: NOT TO SCALE

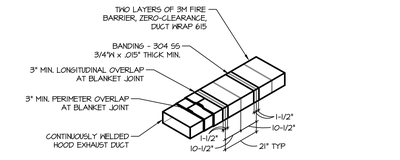



## 06 CONDENSING UNIT MOUNTING DETAIL
SCALE: NOT TO SCALE



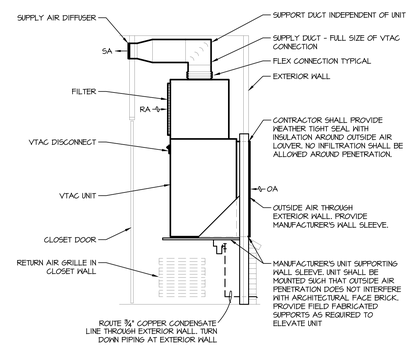

NOTES:
1. ROOFING, INSULATION, FLASHING AND COUNTER FLASHING TO BE INSTALLED PER ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS.
2. BLOCKING AND SUPPORT SHALL BE INSTALLED PER THE STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
3. CONTRACTOR TO PROVIDE GASKETING AT THE PERIMETER OF THE CURB AND AT ALL SUPPLY AND RETURN DUCT CHANNELS.
4. ACOUSTIC INSULATION SHALL BE INSTALLED OVER THE ENTIRE CURB BASE WITHOUT GAPS. PROVIDE OWENS CORNING SELECTSOUND 2" THICK ACOUSTIC BLANKET OR EQUAL.
5. CURB SHALL BE INSTALLED LEVEL. REFER TO ARCHITECTURAL PLANS FOR ROOF SLOPE.

## 02 ROOFTOP UNIT DETAIL
SCALE: NOT TO SCALE



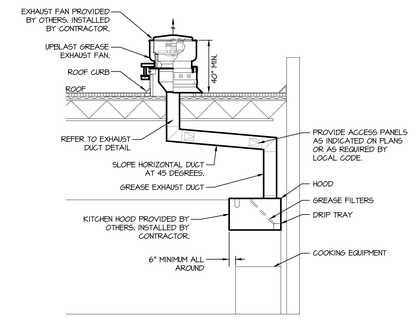

DESIGN NOTES:
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND TO HOOD.
2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH ½" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
3. SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF ¼" PER FOOT (2% SLOPE) TOWARDS EXHAUST HOOD.
4. PROVIDE INSULATED ACCESS DOOR OR PANEL NEAR MID-POINT OF EXHAUST DUCT RUN FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON ACCESS DOOR OR PANEL WHICH READS: "ACCESS PANEL DO NOT OBSTRUCT".
5. BANDING REQUIREMENTS: USE 304 STAINLESS STEEL BANDS A MAXIMUM 1-1/2" FROM BLANKET EDGE AND SPACED A MAXIMUM OF 10-1/2" ON CENTER.

## 15 KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL
SCALE: NOT TO SCALE




DESIGN NOTES:
1. PROVIDE ACCESS DOORS AS REQUIRED BY THE MECHANICAL CODE AND NFPA-96.
2. REFER TO MANUFACTURER'S LITERATURE FOR EXACT INSTALLATION REQUIREMENTS AND PROVIDE CLEANOUT COVERING AS SHOWN IN MANUFACTURER'S LITERATURE

## 14 KITCHEN GREASE DUCT ACCESS DOOR DETAIL
SCALE: NOT TO SCALE

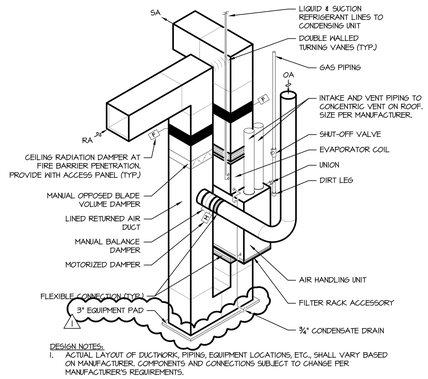



DESIGN NOTES:
1. LAYOUT SHOWN IS SCHEMATIC AND INTENDED TO SHOW GENERAL REQUIREMENTS. REFERENCE PLANS FOR LAYOUT.
2. REFER TO SPECIFICATIONS FOR FIRE-WRAP INSULATION.

## 11 KITCHEN HOOD EXHAUST SCHEMATIC
SCALE: NOT TO SCALE

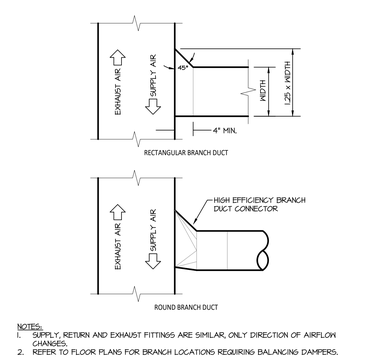



## 16 TYPICAL VTAC UNIT CLOSET DETAIL
SCALE: NOT TO SCALE



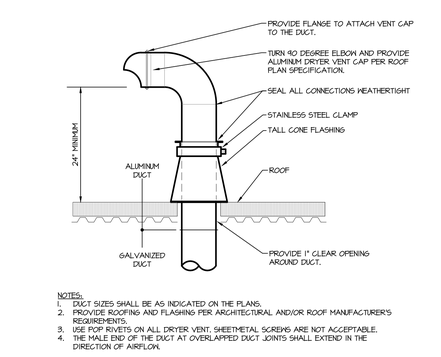

DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

## 12 GAS FURNACE DETAIL
SCALE: NOT TO SCALE




NOTES:
1. SUPPLY, RETURN AND EXHAUST FITTINGS ARE SIMILAR, ONLY DIRECTION OF AIRFLOW CHANGES.
2. REFER TO FLOOR PLANS FOR BRANCH LOCATIONS REQUIRING BALANCING DAMPERS.

## 08 BRANCH DUCT DETAIL
SCALE: NOT TO SCALE




NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW.

## 04 CLOTHES DRYER ROOF VENT DETAIL
SCALE: NOT TO SCALE

## 03 BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL
SCALE: NOT TO SCALE

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NUMBER
PE-2009035182
PROFESSIONAL ENGINEER
8/10/19

MCAL BUILDING MECHANICAL DETAILS

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL M5.1

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020

## MEMORY CARE & ASSISTED LIVING ROOFTOP UNIT SCHEDULE

| MARK | MANUFACTURER | MODEL | MIN. O/A CFM | SUPPLY FAN CFM | TYPE | DRIVE | ESP | TSP | BHP | RPM | DX COOLING COIL EAT DB/WB | LAT DB/WB | ROWS | FPF | APD (IN WC) | FACE AREA (SF) | GAS HEAT IN (MBH) | OUT (MBH) | CTRL STEPS | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RTU-ALIA | TRANE | YSD210 | 530 | 6,680 | CENTRIFUGAL | BELT | 1.5 | 1.803 | 5.42 | 866 | 76.6/62.2 | 55.0/52.7 | 2 | 192 | 0.303 | 23.0 | 250 | 200 | 2 | 208/3 | 77 | 100 | 1,2,3,4,5,6,8 |
| RTU-ALIB | TRANE | YSC072 | 475 | 2,370 | CENTRIFUGAL | BELT | 1.5 | 1.73 | 1.93 | 1176 | 79.1/65.9 | 55.0/53.8 | 3 | 192 | 0.23 | 9.89 | 120 | 97.2 | 2 | 208/3 | 38 | 50 | 1,2,3,4,5,6,7,8 |

**NOTES:**

1. ESP DOES NOT INCLUDE DIRTY FILTER PRESSURE DROP. ADD 0.5" TO INTERNAL PRESSURE DROP FOR DIRTY FILTERS.
2. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR SINGLE-POINT ELECTRICAL CONNECTION.
3. PROVIDE INSULATED ROOF CURB, HEIGHT AS REQUIRED TO PROVIDE 14" CLEARANCE ABOVE FINISHED ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPE.
4. PROVIDE BURNER WITH 2-STAGE GAS HEAT.
5. PROVIDE WITH MANUFACTURER'S PROGRAMMABLE THERMOSTAT.
6. PROVIDE DRY BULB ECONOMIZER SET AT 58 DEGREES F.
7. PROVIDE UNIT WITH ATMOS AIR IONIZATION UNIT MODEL M1002 TO ACHIEVE SCHEDULED OUTSIDE AIR CFM. ORIENT IONIZATION UNIT IN ACCESSIBLE LOCATION IN SUPPLY AIR DUCT PER MANUFACTURER'S REQUIREMENTS FOR OPTIMAL ION DISTRIBUTION. PROVIDE WITH MANUFACTURER'S AIR PRESSURE SWITCH TO ACTIVATE UNIT WHEN AIR HANDLER IS RUNNING.
8. PROVIDE WITH MANUFACTURER'S HAIL GUARDS.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MINIMUM EFFICIENCY OF MERV 6 FOR FILTERS DURING CONSTRUCTION AND CHANGE MONTHLY AFTER UNIT START-UP. FINAL FILTER CHANGE AT OWNER OCCUPANCY SHALL BE MERV 7.
B. ELECTRICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN THE MAIN RETURN DUCT AND INTERLOCK WITH UNIT PER CODE FOR UNITS THAT ARE 2000 CFM AND LARGER. PROVIDE WITH A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT ATTENDED LOCATION. ELECTRICAL CONTRACTOR TO PROVIDE NOTIFICATION EQUIPMENT.
C. FUEL SOURCE FOR GAS HEATER IS NATURAL GAS.
D. PROVIDE A CONDENSATE DRAIN WITH A TRAP DEPTH 2" DEEPER THAN THE EXPECTED STATIC PRESSURE AT THE DRAIN LOCATION IN THE UNIT AND EXTEND TO NEAREST ROOF DRAIN.
E. COOLING CAPACITY SHALL BE BASED ON 105 F AMBIENT TEMPERATURE.

## MEMORY CARE & ASSISTED LIVING AIR HANDLER & CONDENSING UNIT SCHEDULE

| MARK | MANUFACTURER | MODEL | MIN. O/A CFM | SUPPLY FAN CFM | ESP | DX COOLING EAT DB/WB | LAT DB/WB | GAS HEAT INPUT (MBH) | OUTPUT (MBH) | CTRL STEPS | V/PH | MCA | MOCP | CONDENSING UNIT MARK | MODEL | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-MC1A | TRANE | 4PXA+TUD2B | 115 | 1050 | 0.5 | 77.1/62.7 | 55.0/52.5 | 60 | 48 | 2 | 120/1 | 10.5 | 20 | CU-MC1A | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-MC1B | TRANE | 4PXA+S9V2B | 150 | 1160 | 0.5 | 77.7/64.0 | 55.0/52.8 | 40 | 39 | 2 | 120/1 | 7.9 | 20 | CU-MC1B | 4TTR3036 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-MC1C | TRANE | 4PXA+S9V2B | 180 | 1220 | 0.5 | 78.1/64.9 | 55.0/53.2 | 40 | 39 | 2 | 120/1 | 7.9 | 20 | CU-MC1C | 4TTR3036 | 208/1 | 18 | 30 | 1,2,3,4 |
| AHU-MC1D | TRANE | 4PXA+S9V2B | 135 | 1110 | 0.5 | 77.3/63.5 | 55.0/52.6 | 40 | 39 | 2 | 120/1 | 7.9 | 20 | CU-MC1D | 4TTR3036 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-MC1E | TRANE | 4PXA+S9V2B | 90 | 835 | 0.5 | 76.7/62.1 | 55.0/52.1 | 40 | 39 | 2 | 120/1 | 7.9 | 20 | CU-MC1E | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-ALIA | TRANE | 4PXA+S9V2B | 150 | 1400 | 0.5 | 77.4/62.3 | 55.0/51.6 | 40 | 39 | 2 | 120/1 | 13.9 | 20 | CU-ALIA | 4TTR3048 | 208/1 | 28 | 45 | 1,2,3 |
| AHU-ALIB | TRANE | 4PXA+S9V2B | 205 | 1395 | 0.5 | 78.1/62.0 | 55.0/50.2 | 120 | 113 | 2 | 120/1 | 13.9 | 20 | CU-ALIB | 4TTR3048 | 208/1 | 28 | 45 | 1,2,3,4 |
| AHU-ALIC | TRANE | 4PXA+TUD2B | 160 | 1105 | 0.5 | 78.0/65.6 | 55.0/53.6 | 60 | 48 | 2 | 120/1 | 10.5 | 20 | CU-ALIC | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3,4 |
| AHU-ALID | TRANE | 4PXA+S9V2B | 190 | 1515 | 0.75 | 76.9/62.8 | 55.0/52.8 | 120 | 113 | 2 | 120/1 | 13.9 | 20 | CU-ALID | 4TTR3048 | 208/1 | 28 | 45 | 1,2,3 |
| AHU-ALIE | TRANE | 4PXA+S9V2B | 155 | 1650 | 0.75 | 76.7/62.7 | 55.0/52.8 | 120 | 113 | 2 | 120/1 | 13.9 | 20 | CU-ALIE | 4TTR348 | 208/1 | 28 | 45 | 1,2,3 |

**NOTES:**

1. PROVIDE WITH MANUFACTURER'S PROGRAMMABLE THERMOSTAT.
2. AIR HANDLING UNIT TO BE VERTICAL UPFLOW CONFIGURATION.
3. DISCONNECT TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. PROVIDE UNIT WITH ATMOS AIR IONIZATION UNIT MODEL M1000 TO ACHIEVE SCHEDULED OUTSIDE AIR CFM. ORIENT IONIZATION UNIT IN ACCESSIBLE LOCATION IN SUPPLY AIR DUCT PER MANUFACTURER'S REQUIREMENTS FOR OPTIMAL ION DISTRIBUTION. PROVIDE WITH MANUFACTURER'S AIR PRESSURE SWITCH TO ACTIVATE UNIT WHEN AIR HANDLER IS RUNNING.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MINIMUM EFFICIENCY OF MERV 6 FOR FILTERS DURING CONSTRUCTION AND CHANGE MONTHLY AFTER UNIT START-UP. FINAL FILTER CHANGE AT OWNER OCCUPANCY SHALL BE MERV 7.
B. PROVIDE A 3/4" CONDENSATE DRAIN WITH A 2" TRAP. PROVIDE A CONDENSATE NEUTRALIZER FOR VENT CONDENSATE DRAIN.
C. PROVIDE FILTER FRAME FOR 1" FILTER.
D. PROVIDE A SECONDARY DRAIN PAN FOR ALL COOLING COILS AND ROUTE 3/4" CONDENSATE LINE TO NEAREST FLOOR DRAIN, INDEPENDENT OF PRIMARY CONDENSATE DRAIN.
E. UNIT MANUFACTURER SHALL MAKE COOLING COIL SELECTION. UNIT MANUFACTURER AND INSTALLING CONTRACTOR SHALL SIZE REFRIFERANT PIPING FOR THE FINAL FIELD ROUTING ELEVATION CHANGES, AND CONDENSER LOCATIONS. PROVIDE TRAPS, TXV, ADDITIONAL REFRIGERANT, LOW VOLTAGE STARTER KIT, OFF CYCLE TIMER, CRANKCASE HEATER, AND ACCUMULATOR AS REQUIRED FOR PROPER OPERATION OF THE SYSTEM.
F. FUEL SOURCE FOR GAS HEATER IS NATURAL GAS.
G. LOADS BASED ON 105 DEGREES F AMBIENT TEMPERATURE.
H. REFRIGERANT LINES SHALL BE ROUTED CONCEALED IN ATTIC SPACES AND WALLS TO ASSOCIATED COOLING COIL. REFRIGERANT LINES SHALL BE FIELD INSTALLED BY THE CONTRACTOR.

## VERTICAL TERMINAL AIR CONDITIONER SCHEDULE

| MARK | MANUFACTURER | MODEL | MIN. O/A CFM | FAN CFM | ESP | DX COOLING COIL TOTAL (MBH) | ELEC HEAT OUTPUT KW | STEPS | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VTAC-001 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-002 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-003 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-004 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-005 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-006 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-007 | FIRST CO. | 9SPXA-HP | 50 | 300 | 0.1 | 8.9 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-008 | FIRST CO. | 9SPXA-HP | 50 | 300 | 0.1 | 8.9 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-009 | FIRST CO. | 9SPXA-HP | 50 | 300 | 0.1 | 8.9 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-010 | FIRST CO. | 9SPXA-HP | 50 | 300 | 0.1 | 8.9 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-011 | FIRST CO. | 9SPXA-HP | 50 | 300 | 0.1 | 8.9 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-012 | FIRST CO. | 9SPXA-HP | 50 | 300 | 0.1 | 8.9 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-013 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-014 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-015 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-016 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-101 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 4.5 | 1 | 208/1 | 30 | 30 | 1,2 |
| VTAC-102 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-103 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-104 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-105 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-106 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-107 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 4.5 | 1 | 208/1 | 30 | 30 | 1,2 |
| VTAC-108 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.0 | 1 | 208/1 | 39 | 40 | 1,2 |
| VTAC-109 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.8 | 1 | 208/1 | 44 | 45 | 1,2 |
| VTAC-110 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-111 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-112 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-113 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 4.5 | 1 | 208/1 | 30 | 30 | 1,2 |
| VTAC-114 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.8 | 1 | 208/1 | 44 | 45 | 1,2 |
| VTAC-115 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.0 | 1 | 208/1 | 39 | 40 | 1,2 |
| VTAC-116 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-117 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-118 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-119 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-120 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-121 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-123 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-124 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 4.5 | 1 | 208/1 | 30 | 30 | 1,2 |
| VTAC-125 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-126 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-127 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-128 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-129 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-130 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.8 | 1 | 208/1 | 44 | 45 | 1,2 |
| VTAC-131 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-133 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-135 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 6.0 | 1 | 208/1 | 37 | 40 | 1,2 |
| VTAC-136 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-137 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-138 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.0 | 1 | 208/1 | 39 | 40 | 1,2 |
| VTAC-139 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-140 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.0 | 1 | 208/1 | 39 | 40 | 1,2 |
| VTAC-141 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 6.8 | 1 | 208/1 | 44 | 45 | 1,2 |
| VTAC-142 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-143 | FIRST CO. | 24SPXA-HP | 50 | 800 | 0.1 | 21.3 | 4.5 | 1 | 208/1 | 30 | 30 | 1,2 |
| VTAC-144 | FIRST CO. | 12SPXA-HP | 50 | 400 | 0.1 | 11.4 | 3.0 | 1 | 208/1 | 19 | 20 | 1,2 |
| VTAC-145 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |
| VTAC-146 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 4.5 | 1 | 208/1 | 28 | 30 | 1,2 |
| VTAC-147 | FIRST CO. | 18SPXA-HP | 50 | 600 | 0.1 | 17.2 | 3.4 | 1 | 208/1 | 22 | 25 | 1,2 |

**NOTES:**

1. PROVIDE UNIT WITH SINGLE-POINT ELECTRICAL CONNECTION.
2. PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

B. PROVIDE WITH MANUFACTURER'S STANDARD TWO-STAGE DIGITAL THERMOSTAT FOR HEAT PUMP AND AUXILLARY HEAT OPERATION.
C. PROVIDE UNIT WITH MANUFACTURER'S STANDARD WALL SLEEVE AND OUTDOOR LOUVER. COLOR OF OUTSIDE AIR LOUVER TO BE SELECTED BY ARCHITECT.
D. PROVIDE FILTER FRAME FOR 1" FILTER. PROVIDE MINIMUM MERV 6 FILTERS DURING CONSTRUCTION AND CHANGE MONTHLY AFTER UNIT START UP. FINAL FILTER CHANGE AT OWNER OCCUPANCY SHALL BE MERV 7.
E. PROVIDE UNIT WITH FRESH AIR DAMPER.
F. ELECTRIC HEAT KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN.
G. COOLING CAPACITY BASED ON 105 F AMBIENT AND ENTERING AIR TEMPERATURE OF 80/67.
H. PROVIDE CONDENSATE DRAIN FROM UNIT. STUB DRAIN OUT TO DAY LIGHT THROUGH EXTERIOR WALL.
I. MOUNT UNIT ON PLATFORM, COORDINATE HEIGHT WITH ARCHITECTURAL NOTES.
J. UNIT ACCESS SHALL BE FROM THE FRONT OR SIDE (REFER TO PLANS. MOUNT THE CONTROL PANEL ON THE UNIT SIDE ADJACENT TO THE ACCESS PANEL. MANUFACTURER SHALL PROVIDE HINGED ACCESS PANEL.

## MEMORY CARE & ASSISTED LIVING DUCTLESS SPLIT SYSTEM SCHEDULE

| INDOOR MARK | OUTDOOR MARK | MANUFACTURER | INDOOR MODEL | OUTDOOR MODEL | TOTAL CAPACITY (MBH) | SEER | INDOOR ELECTRICAL V/PH | MCA | MOCP | OUTDOOR ELECTRICAL V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DSS-MC1 | CU-MC1 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |
| ~~DSS-AL1~~ | ~~CU-AL1~~ | ~~MITSUBISHI~~ | ~~PKA-A18HA~~ | ~~PUY-A18NHA3~~ | ~~18.0~~ | ~~15.3~~ | ~~208/1~~ | ~~1.0~~ | ~~20~~ | ~~208/1~~ | ~~13~~ | ~~20~~ | ~~1,2,3,4,5,6~~ |
| DSS-AL2 | CU-AL2 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |

**NOTES:**

1. PROVIDE WITH MANUFACTURER'S ACESSORIES AND REFRIGERANT LINE SETS.
2. PROVIDE UNIT DISCONNECT SWITCH
3. PROVIDE UNIT WITH LOW AMBIENT KIT.
4. FURNISH WITH FREEZESTAT
5. PROVIDE UNIT WITH SINGLE POINT POWER CONNECTION TO CONDENSING UNIT
6. FURNISH WITH MANUFACTURER'S WALL MOUNTED WIRED THERMOSTAT (PAC-YT53CRAU-J)

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. AT DESIGN CONDITIONS AND 105F AMBIENT AIR TEMPERATURE, 80Fdb/67Fwb ENTERING TO EVAPORATOR.
B. REFRIGERANT LINES SHALL BE ROUTED CONCEALED IN ATTIC SPACES AND WALLS TO ASSOCIATED COOLING COIL. REFRIGERANT LINES SHALL BE FIELD INSTALLED BY THE CONTRACTOR.
C. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.

## GRILLE, REGISTER, & DIFFUSER SCHEDULE

| MARK | MANUFACTURER | MODEL | SERVICE | FACE SIZE | NECK SIZE | DAMPER | NOTES |
|---|---|---|---|---|---|---|---|
| S1 | TITUS | 301RL | SUPPLY | "SEE PLAN" | "SEE PLAN" | YES | 3 |
| S2 | TITUS | 301RS | SUPPLY | 12x12 | "SEE PLAN" | YES | 1, 2, 3 |
| S3 | TITUS | 301FL | SUPPLY | 12x12 | "SEE PLAN" | YES | 1, 2, 3, 4 |
| S4 | TITUS | PAS-AA | SUPPLY | 24x24 | "SEE PLAN" | NO | 4, 5 |
| S5 | TITUS | PAS-AA | SUPPLY | 12x12 | "SEE PLAN" | YES | 2, 3, 4, 5 |
| S6 | TITUS | OMNI | SUPPLY | 24x24 | "SEE PLAN" | YES | 1, 3 |
| S7 | TITUS | 301RL | SUPPLY | "SEE PLAN" | "SEE PLAN" | YES | 1, 2, 3 |
| R1 | TITUS | 350RS | RETURN | "SEE PLAN" | "SEE PLAN" | YES | 3 |
| R2 | TITUS | 350RL | RETURN | "SEE PLAN" | "SEE PLAN" | YES | 2, 3 |
| R3 | TITUS | 350FL | RETURN | "SEE PLAN" | "SEE PLAN" | YES | 2, 3, 4 |
| R4 | TITUS | 50F | RETURN | "SEE PLAN" | "SEE PLAN" | NO | 4, 6 |

**NOTES:**

1. PROVIDE LOUVER/THROW PATTERN INDICATED ON PLANS. PROVIDE FOUR-WAY LOUVER/THROW PATTERN WHERE NOT INDICATED.
2. PROVIDE WITH RUSKIN CFD7T CEILING FIRE DAMPER UL CLASSIFIED FOR WOOD TRUSS CONSTRUCTION. DAMPER SIZE SHALL BE SAME AS DIFFUSER FACE SIZE. SHALL ONLY APPLY WHEN PENETRATING A FIRE-RATED ASSEMBLY. PROVIDE SINGLE DEFLECTION GRILLE.
3. PROVIDE WITH MANUFACTURER'S INTEGRAL VOLUME CONTROL DAMPER.
4. PROVIDE ALL ALLUMINUM CONSTRUCTION.
5. PROVIDE WITHOUT PATTERN CONTROLLERS.
6. PROVIDE 1" MERV 7 FLAT FILTERS.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MOUNTING FRAME TO MATCH CEILING TYPE. VERIFY WITH ARCHITECT'S PLANS PRIOR TO ORDERING.
B. MAXIMUM NC OF 30 FOR ALL GRILLES, REGISTERS, AND DIFFUSERS.
C. WHERE NOT NOTED, DIFFUSER NECK SIZE SHALL BE THE SAME AS THE BRANCH DUCT SIZE.
D. UNLESS NOTED OTHERWISE, COLOR SHALL BE STANDARD WHITE.
E. FOUR-WAY THROW PATTERN FOR SQUARE DIFFUSERS UNLESS NOTED OTHERWISE.

## CABINET UNIT HEATER & UNIT HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | CFM | KW | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|
| RWH-MC1 | MARKEL | HF3325TD-RP | 175 | 2.25 | 208/1 | 10.8 | 20 | 1,2,3 |
| RWH-MC2 | MARKEL | HF3325TD-RP | 175 | 2.25 | 208/1 | 10.8 | 20 | 1,2,3 |
| RWH-AL1 | MARKEL | HF3325TD-RP | 175 | 2.25 | 208/1 | 10.8 | 20 | 1,2,3 |
| RWH-AL2 | MARKEL | HF3325TD-RP | 175 | 2.25 | 208/1 | 10.8 | 20 | 1,2,3 |
| RWH-AL3 | MARKEL | HF3325TD-RP | 175 | 2.25 | 208/1 | 10.8 | 20 | 1,2,3 |
| UH-AL1 | TRANE | UHEC03 | 400 | 3.3 | 208/1 | 15.9 | 20 | 1,2 |

**NOTES:**

1. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR A SINGLE-POINT ELECTRICAL CONNECTION.
2. PROVIDE UNIT MOUNTED, FACTORY WIRED THERMOSTAT.
3. UNIT IS TO BE FULLY RECESSED IN WALL.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. ELECTRIC HEAT KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN.
B. CABINET COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.

## MEMORY CARE & ASSISTED LIVING FAN SCHEDULE

| MARK | MANUFACTURER | MODEL | CFM | S.P. | DRIVE | BHP | HP | RPM | dBA | V/PH | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EF-1 | BROAN | AE80L | 80 | 0.25 | DIRECT | 26.9 W | -- | - | 28 | 120/1 | 1,2,3,5,6 |
| EF-3 | LOREN COOK | GC-146 | 100 | 0.25 | DIRECT | 33 W | -- | 867 | 36 | 120/1 | 1,2,3,4 |
| EF-4 | LOREN COOK | GC-166 | 150 | 0.25 | DIRECT | 46 W | -- | 1,058 | 45 | 120/1 | 1,2,3,4 |

**NOTES:**

1. PROVIDE WITH FACTORY INSTALLED AND WIRED DISCONNECT.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. PROVIDE WITH MANUFACTURER'S POLYPROPYLENE GRILLE.
4. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
5. EXHAUST FAN IS ENERGY STAR.
6. PROVIDE WITH BROAN RDM1 CEILING RADIATION DAMPER WHERE SPECIFIED ON PLANS.

## PACKAGE TERMINAL AIR CONDITIONER SCHEDULE

| MARK | MANUFACTURER | MODEL | MIN. O/A CFM | FAN CFM | DX COOLING COIL TOTAL (MBH) | ELEC HEAT OUTPUT KW | STEPS | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PTAC-017 | AMANA | PTH1236 | 50 | 340 | 12.0 | 4.1 | 1 | 208/1 | 27.6 | 30 | |
| PTAC-018 | AMANA | PTH1236 | 50 | 340 | 12.0 | 4.1 | 1 | 208/1 | 27.6 | 30 | |

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. ELECTRIC HEAT KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN.
B. COOLING CAPACITY BASED ON 105 F AMBIENT AND ENTERING AIR TEMPERATURE OF 80/67.
C. PROVIDE WITH CORD KIT AND MATCHING NEMA RECEPTACLE FOR INSTALLATION BY THE ELECTRICAL CONTRACTOR.

## KITCHEN HOOD SCHEDULE

| MARK | MANUFACTURER | MODEL | OVERALL LENGTH | WIDTH | EXHAUST CFM | SP IN WG | SUPPLY CFM | SP IN WG | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| H-1 | DENLAR F.P. | D1030-F (NFPA101) | 20" | 30" | 500 | 0.1 | - | - | 1,2,3 |

**NOTES:**

1. PROVIDE WITH ELECTRICAL RANGE ELEMENT DISCONNECT.
2. PROVIDE WITH MANUAL PULL STATION KIT FOR REMOTE ACTIVATION.
3. PROVIDE WITH HANDICAPPED ACCESSIBLE CONTROL BOX.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. HOOD TO BE MOUNTED 66" ABOVE FINISHED FLOOR TO BOTTOM OF HOOD.
B. PROVIDE ALUMINUM FILTERS.
C. PROVIDE INCANDESCENT LIGHTING BY HOOD MANUFACTURER WITH AN AVERAGE OF 20 FOOTCANDLES AT THE COOKING SURFACE.
D. PROVIDE COMPLETE ANSUL FIRE SUPPRESSION SYSTEM.

## BASEBOARD HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | KW | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|
| BH-MC1 | MARKEL | F3715-072 | 1.5 | 208/1 | 7.2 | 20 | 1,2 |
| BH-MC2 | MARKEL | F3715-072 | 1.5 | 208/1 | 7.2 | 20 | 1,2 |
| BH-AL1 | MARKEL | F3720-096 | 2.0 | 208/1 | 9.6 | 20 | 1,2 |
| BH-AL2 | MARKEL | F3720-096 | 2.0 | 208/1 | 9.6 | 20 | 1,2 |

**NOTES:**

1. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR A SINGLE-POINT ELECTRICAL CONNECTION.
2. PROVIDE UNIT MOUNTED, FACTORY WIRED THERMOSTAT.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. ELECTRIC HEAT KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN.
B. CABINET COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
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913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER
8/10/19

MCAL BUILDING
MECHANICAL
SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL M6.1

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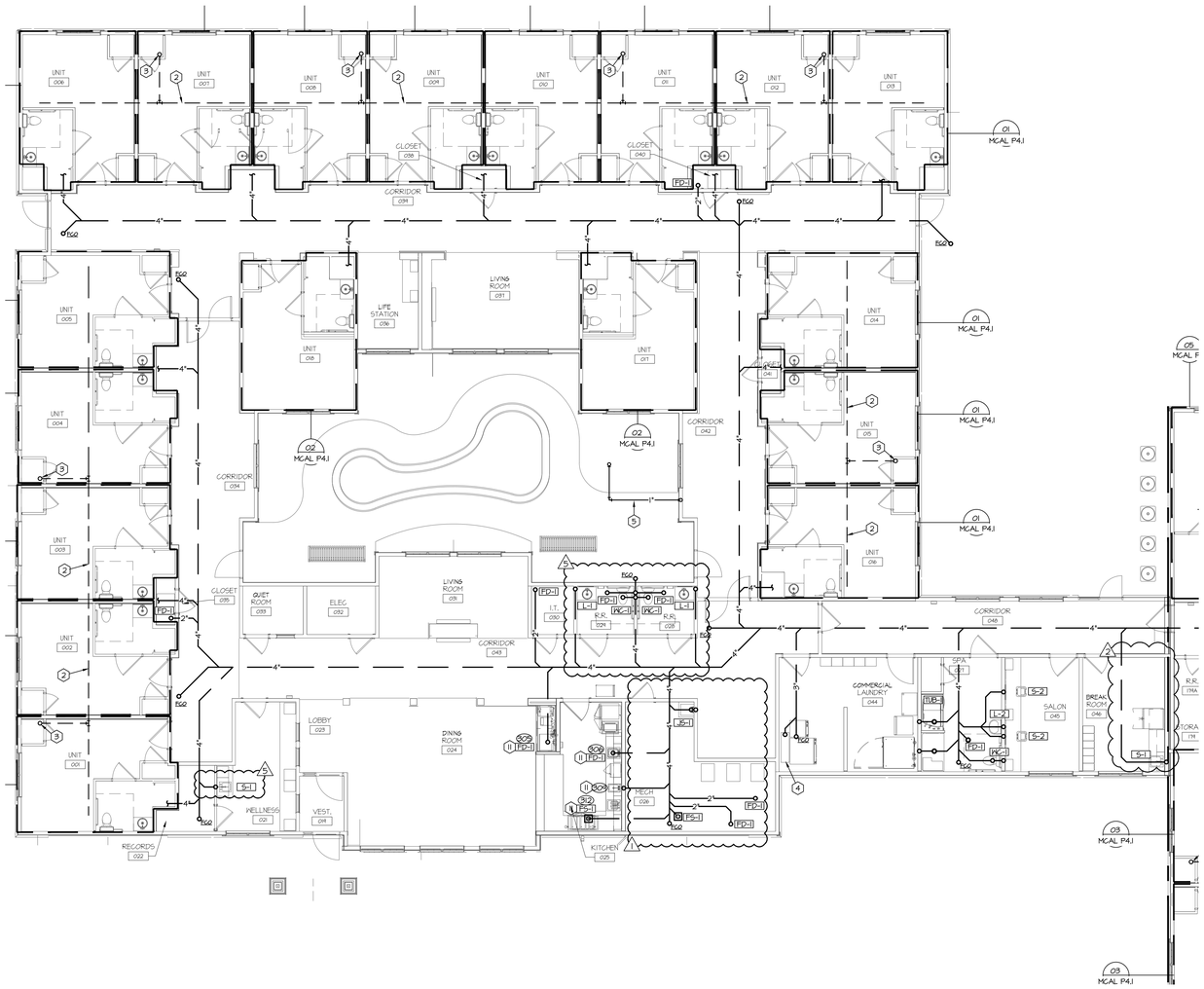



## 01 1ST FLOOR AREA A - BELOW GRADE PLUMBING

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY COMPONENTS AND OFFSETS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT LOCATIONS OF PLUMBING FIXTURES.

C. COORDINATE THE INSTALLATION OF PLUMBING AND PIPING WITH THE WORK OF ALL OTHER TRADES.

D. PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

E. THE CONTRACTOR SHALL NOT LOCATE PIPING BELOW DUCT MOUNTED AIR TERMINAL UNITS, TERMINAL HEATING COILS, OR OTHER EQUIPMENT.

F. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL PLUMBING SYSTEMS.

G. COORDINATE THE SHUT DOWN OF ANY EXISTING SERVICES AND/OR EQUIPMENT WITH THE OWNER'S REPRESENTATIVE.

H. PLUMBING VENT PIPING THROUGH THE ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF THE PARAPET.

I. PROVIDE THE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.

J. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 2".

K. CONTRACTOR SHALL CLEARLY LABEL ALL SHUTOFF VALVES WITH ROOM NAMES AND NUMBERS ASSOCIATED WITH PLUMBING CONNECTED TO EACH SHUTOFF VALVE.

L. ALL VALVES LOCATED IN CLOSETS WHICH OPEN TO THE CORRIDORS MAY BE EXPOSED. ALL VALVES LOCATED IN CLOSETS OPENING INTO RESIDENT'S ROOMS MUST BE CONCEALED ABOVE CEILING OR IN WALL WITH AN ACCESS PANEL. ALL RECIRC WATER CIRCUIT SETTERS SHALL BE INSTALLED IN SAME CLOSET AS DOMESTIC WATER SHUTOFF VALVES WHERE POSSIBLE.

M. PLUMBING ROUGH-IN WORK FOR ALL LARGE (NON-RESIDENTIAL) KITCHENS SHALL BE COORDINATED WITH THE KITCHEN CONTRACTOR. INDIRECT DRAINS REQUIRED IN THE LARGE KITCHENS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.

N. PROVIDE SEISMIC RESTRAINT SYSTEM TO KEEP ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION BUILDING SYSTEM COMPONENTS IN PLACE DURING A SEISMIC EVENT EQUAL TO THE CODE MANDATED SEISMIC FORCE LEVELS FOR THE AREA. REFERENCE SPECIFICATIONS FOR MORE INFORMATION.

O. ALL ABOVE GRADE PIPING IN CORRIDORS SHALL BE ROUTED WITHIN SOFFITS.

P. ALL GAS REGULATORS SHALL BE PROVIDED WITH VENT PIPING TO EXTERIOR OF BUILDING.

Q. PROVIDE CLEANOUTS AS REQUIRED BY CODE FOR ALL BRANCH SANITARY LINES.

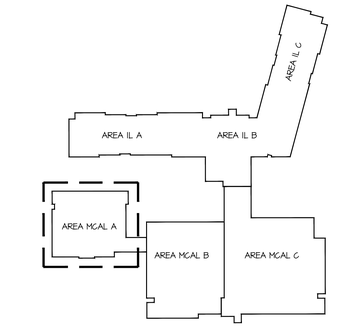
R. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## PLAN NOTES:

1. REFER TO ENLARGED PLUMBING PARTIAL PLAN SHEET MCAL P4.1 FOR BELOW GRADE PLUMBING WITHIN RESIDENCE ROOMS.
2. 4" PERFORATED PVC PIPING INSTALLED IN CENTER OF GRAVEL LAYER FOR RADON CONTROL SYSTEM. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
3. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON CONTROL SYSTEM.
4. WASHING MACHINE TRENCH DRAIN, ABT POLYDRAIN TRENCH SYSTEMS, PDX, 18"W. x 18"D. x 60" LONG. FURNISH AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL #2 SHEET MCAL P5.1 FOR ADDITIONAL INFORMATION.
5. 1" CW TO FOUNTAINS, CONTRACTOR TO PROVIDE VALVE PIT/BOX WITH SHUTOFF VALVE AND DRAIN VALVE FOR DRAIN DOWN AND WINTERIZATION OF EXTERIOR PIPING. 1
6. SEE MCAL P4.3 FOR CONTINUATION.
7. NEW GAS SERVICE AND METER. REFER TO SITE PLAN MPE 1.1 FOR CONTINUATION.
8. STORM DRAIN SIZE AS NOTED. REFER TO SITE PLAN SHEET MPE 1.1 FOR CONTINUATION.
9. GREASE INTERCEPTOR. REFER TO DETAIL 01 SHEET MCAL P4.3 FOR ADDITIONAL INFORMATION.
10. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
11. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
12. PROVIDE NEW FIRE SPRINKLER SERVICE ENTRANCE IN ACCORDANCE WITH THE DETAIL ON DRAWINGS. THE FIRE SPRINKLER CONTRACTOR (FSC) SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, MATERIALS AND COMPLETE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM. THE FSC SHALL PREPARE ALL NEEDED DRAWINGS TO MEET N.F.P.A. REQUIREMENTS AND HAVE APPROVAL OF ALL LOCAL, STATE AND INSURANCE UNDERWRITING AUTHORITIES. THE SYSTEM SHALL BE TESTED UNDER PRESSURE BY THE FSC AND INSPECTED AND APPROVED BY THE LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. THE FSC SHALL COORDINATE LOCATION OF THE ENTIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES.

## RADON CONTROL SYSTEM NOTES:

1. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
2. OPENINGS AROUND BATHTUBS, SHOWERS, WATER CLOSETS, PIPES, WIRES OR OTHER OBJECTS THAT PENETRATE CONCRETE SLABS OR OTHER FLOOR ASSEMBLIES SHALL BE FILLED WITH A POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/06/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA A
BELOW GRADE PLUMBING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL P0.1

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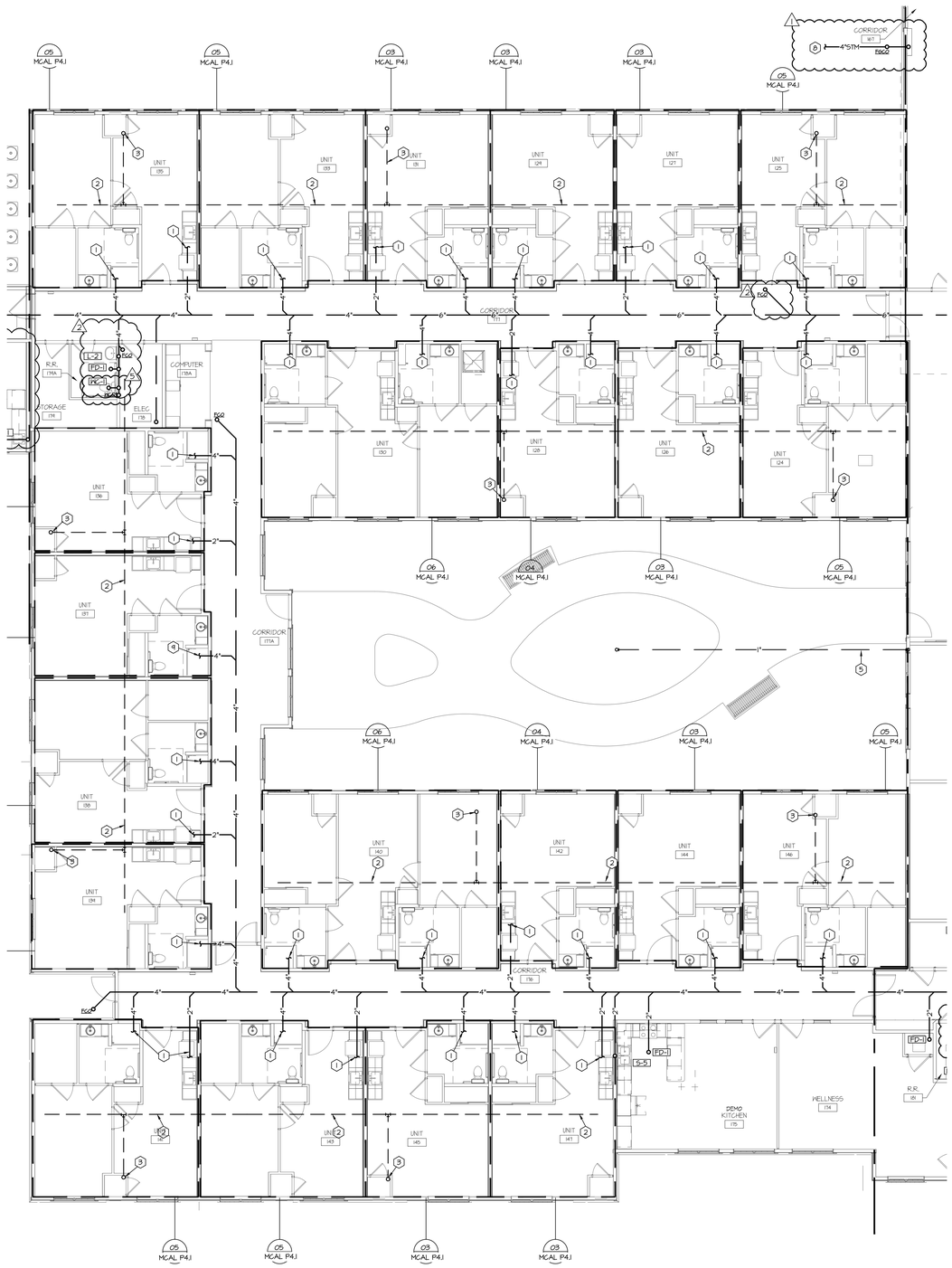


01 1ST FLOOR AREA B - BELOW GRADE PLUMBING

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

NORTH

## GENERAL NOTES:

A. REFER TO SHEET MCAL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. REFER TO ENLARGED PLUMBING PARTIAL PLAN SHEET MCAL P4.1 FOR BELOW GRADE PLUMBING WITHIN RESIDENCE ROOMS.
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6. SEE MCAL P4.3 FOR CONTINUATION.
7. NEW GAS SERVICE AND METER. REFER TO SITE PLAN MPE 1.1 FOR CONTINUATION.
8. STORM DRAIN SIZE AS NOTED. REFER TO SITE PLAN SHEET MPE 1.1 FOR CONTINUATION.
9. GREASE INTERCEPTOR. REFER TO DETAIL 01 SHEET MCAL P4.3 FOR ADDITIONAL INFORMATION.
10. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
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## RADON CONTROL SYSTEM NOTES:

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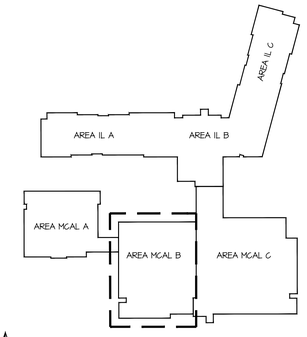


NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
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NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA B
BELOW GRADE PLUMBING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL P0.2

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

## GENERAL NOTES:

A. REFER TO SHEET MCAL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

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2. 4" PERFORATED PVC PIPING INSTALLED IN CENTER OF GRAVEL LAYER FOR RADON CONTROL SYSTEM. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
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5. 1" GM TO FOUNTAINS, CONTRACTOR TO PROVIDE VALVE PIT/BOX WITH SHUTOFF VALVE AND DRAIN VALVE FOR DRAIN DOWN AND WINTERIZATION OF EXTERIOR PIPING.
6. SEE MCAL P4.3 FOR CONTINUATION.
7. NEW GAS SERVICE AND METER. REFER TO SITE PLAN MPE 1.1 FOR CONTINUATION.
8. STORM DRAIN SIZE AS NOTED. REFER TO SITE PLAN SHEET MPE 1.1 FOR CONTINUATION.
9. GREASE INTERCEPTOR. REFER TO DETAIL 01 SHEET MCAL P4.3 FOR ADDITIONAL INFORMATION.
10. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
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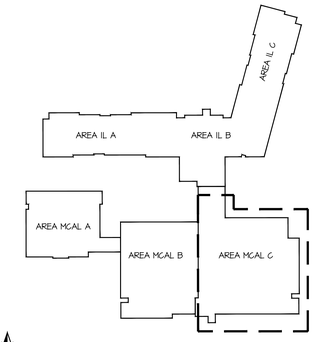
01 1ST FLOOR AREA C - BELOW GRADE PLUMBING
SCALE: 1/8" = 1'-0"

NORTH




KEY PLAN

NORTH

SWD ARCHITECTS
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8/10/19

FIRST FLOOR
PLAN AREA C
BELOW GRADE PLUMBING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL P0.3

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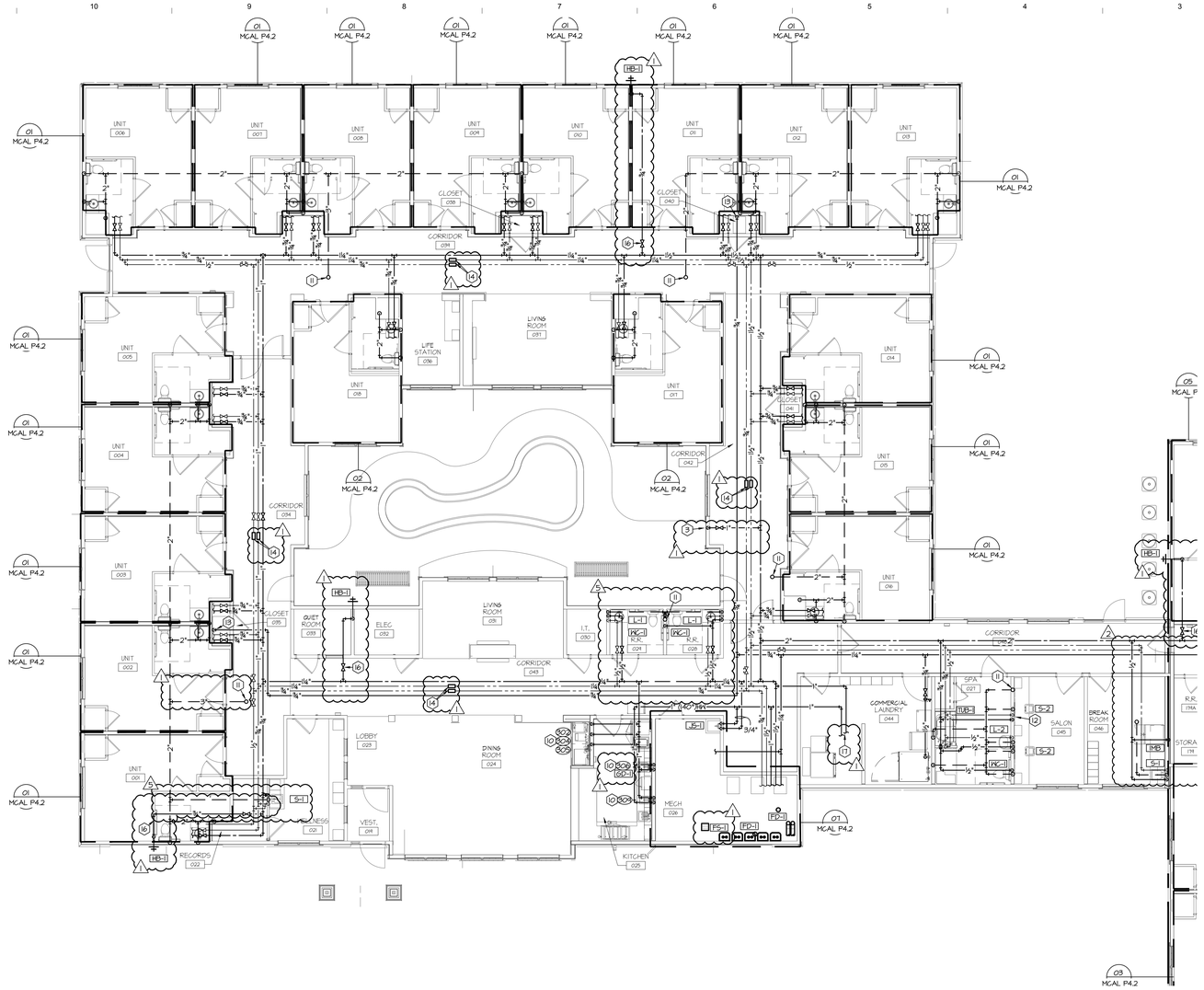



## GENERAL NOTES:

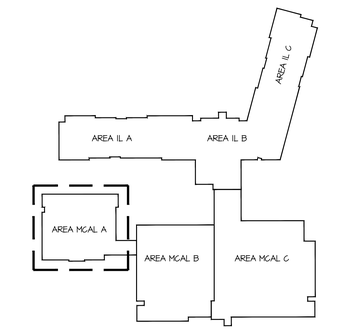
A. REFER TO MCAL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. WATER SOFTENER GULLIGAN GTM-120-PF.
2. WATER SOFTENER BRINE TANK.
3. 1" COLD WATER TO FOUNTAIN, PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
4. 4" STORM DRAIN UP TO 4" ROOF DRAIN.
5. 4" OVERFLOW STORM DRAIN UP TO 4" OVERFLOW DRAIN.
6. 4" STORM DRAIN DOWN TO BELOW GRADE. REFER TO BELOW GRADE PLUMBING PLANS FOR CONTINUATION.
7. LOCATE VALVES IN CEILING CENTERED ON LAVATORY. PROVIDE ACCESS PANEL. COORDINATE WITH LIGHTING.
8. NEW GAS SERVICE AND METER.
9. 1" GAS UP TO ROOF TOP UNITS, SEE MPE 2.1 FOR CONTINUATION.
10. INSTALL FIXTURE PROVIDED BY OTHERS, COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
11. 3" VENT THROUGH ROOF.
12. ¾" COLD WATER AND ¾" TEMPERED HOT WATER DOWN IN WALL SERVING SALON SINKS.
13. GAS LINE DOWN TO AHU.
14. EXPANSION COMPENSATOR, TYPICAL OF FLEXCRAFT COMPENSATOR 39. EACH COMPENSATOR SHALL BE SAME SIZE AS PIPE AT THIS LOCATION.
15. ¾" COLD WATER LINE UP TO ROOF HYDRANT RH-1.
16. ¾" COLD WATER TO HOSE BIBB HB-1. PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
17. REFERENCE DETAIL 12 MCAL P5.1 FOR COMMERCIAL WASHING MACHINE CONNECTIONS.
18. 6" FIRE PROTECTION SERVICE.

01 1ST FLOOR AREA A - PLUMBING
SCALE: 1/8" = 1'-0"

NORTH




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/09/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA A
PLUMBING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL P1.1

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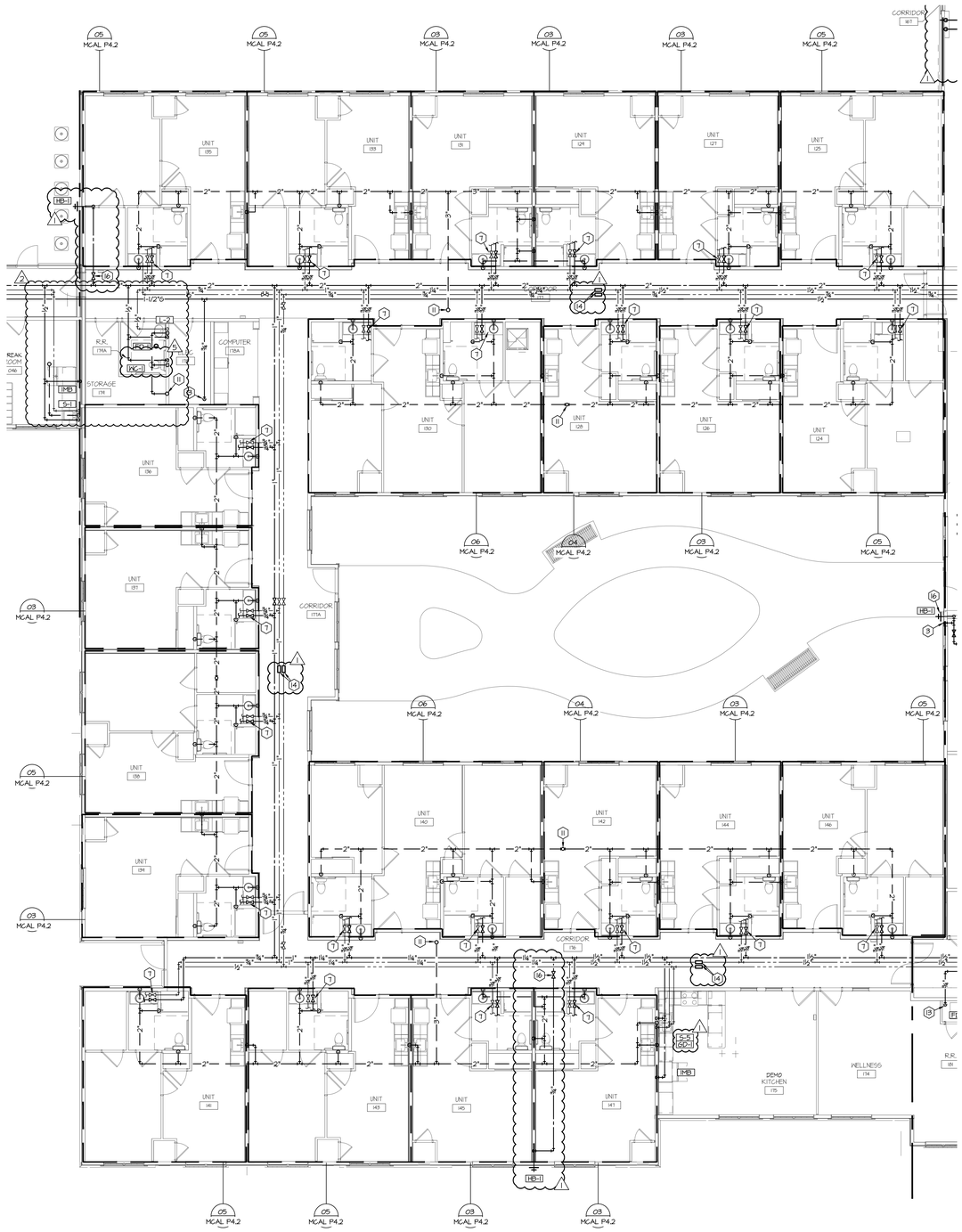
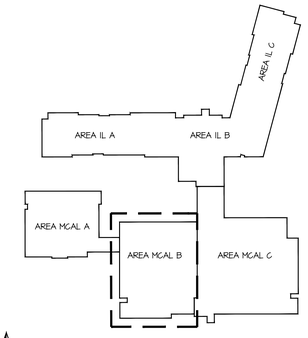



01 1ST FLOOR AREA B - PLUMBING

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

NORTH




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
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FIRST FLOOR
PLAN AREA B
PLUMBING
MEMORY CARE
ASSISTED LIVING
ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL P1.2

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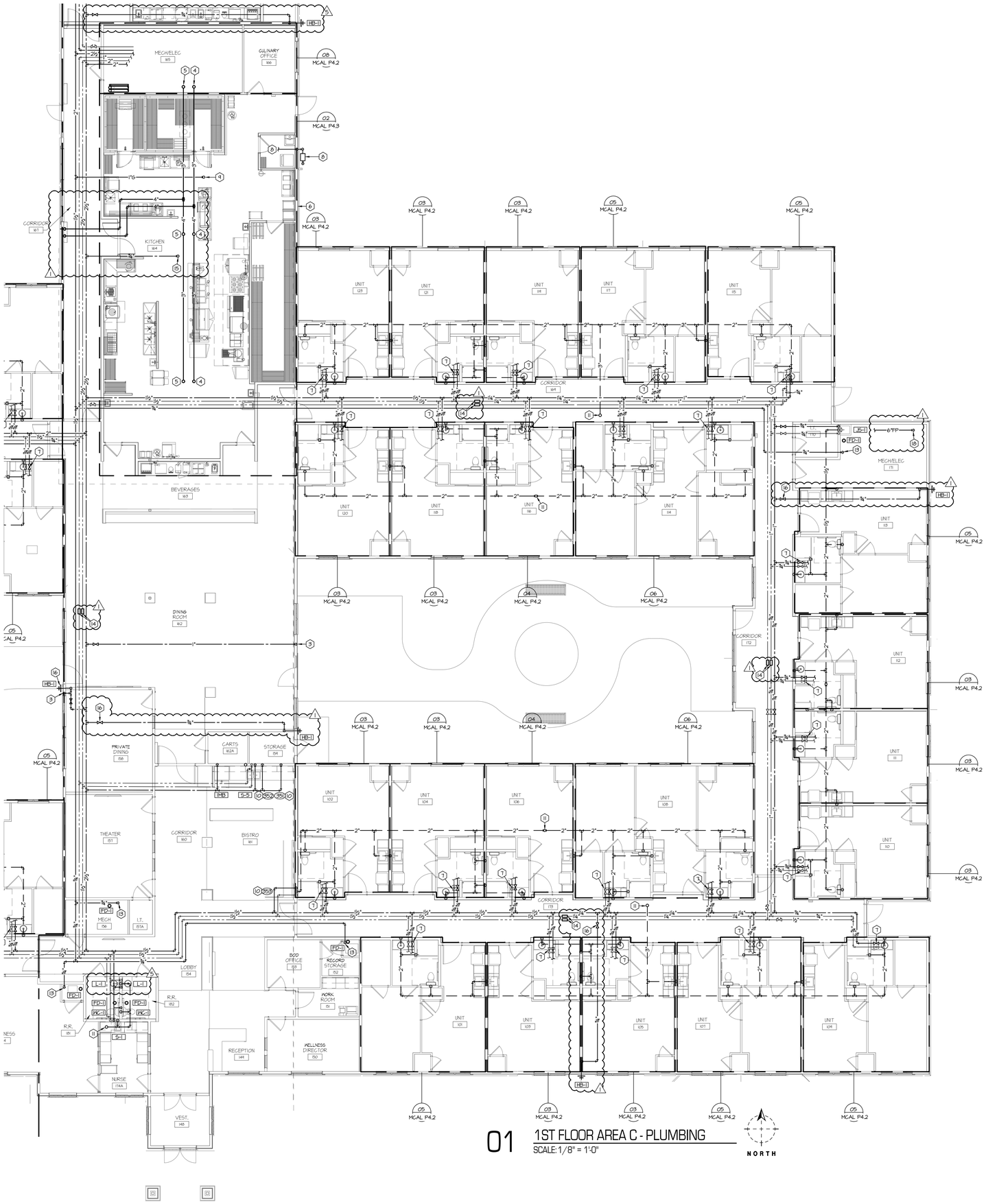



01 1ST FLOOR AREA C - PLUMBING

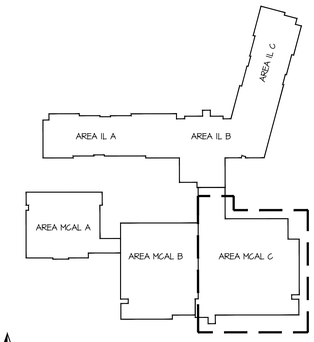
SCALE: 1/8" = 1'-0"

## GENERAL NOTES:

A. REFER TO MCAL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. WATER SOFTENER GULLIGAN GTM-120-PF.
2. WATER SOFTENER BRINE TANK.
3. 1" COLD WATER TO FOUNTAIN, PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
4. 4" STORM DRAIN UP TO 4" ROOF DRAIN.
5. 4" OVERFLOW STORM DRAIN UP TO 4" OVERFLOW DRAIN.
6. 4" STORM DRAIN DOWN TO BELOW GRADE. REFER TO BELOW GRADE PLUMBING PLANS FOR CONTINUATION.
7. LOCATE VALVES IN CEILING CENTERED ON LAVATORY. PROVIDE ACCESS PANEL. COORDINATE WITH LIGHTING.
8. NEW GAS SERVICE AND METER.
9. 1" GAS UP TO ROOF TOP UNITS, SEE MPE 2.1 FOR CONTINUATION.
10. INSTALL FIXTURE PROVIDED BY OTHERS, COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
11. 3" VENT THROUGH ROOF.
12. ¾" COLD WATER AND ¾" TEMPERED HOT WATER DOWN IN WALL SERVING SALON SINKS.
13. GAS LINE DOWN TO AHU.
14. EXPANSION COMPENSATOR, TYPICAL OF FLEXCRAFT COMPENSATOR 35. EACH COMPENSATOR SHALL BE SAME SIZE AS PIPE AT THIS LOCATION.
15. ¾" COLD WATER LINE UP TO ROOF HYDRANT RH-1.
16. ¾" COLD WATER TO HOSE BIBB HB-1. PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
17. REFERENCE DETAIL 12 MCAL P5.1 FOR COMMERCIAL WASHING MACHINE CONNECTIONS.
18. 6" FIRE PROTECTION SERVICE.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

SWD ARCHITECTS
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STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA C
PLUMBING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL P1.3

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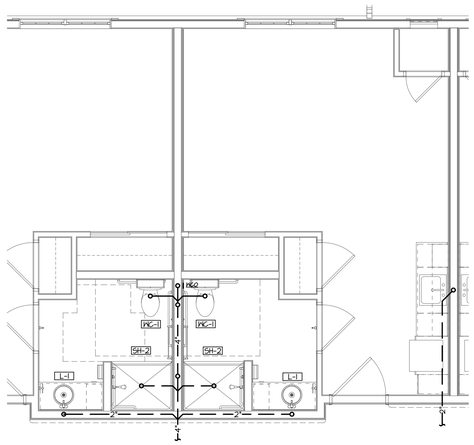
## GENERAL NOTES:

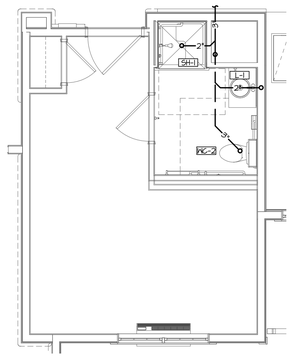
A. REFER TO SHEET MCAL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. ...



03 ENLARGED PLAN BELOW GRADE PLUMBING
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"



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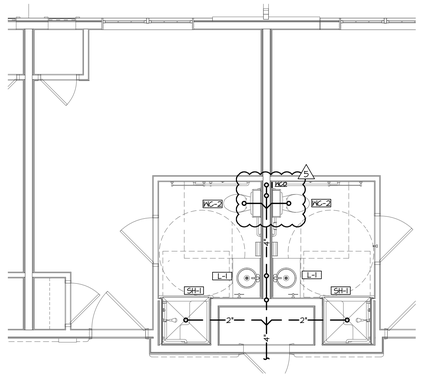
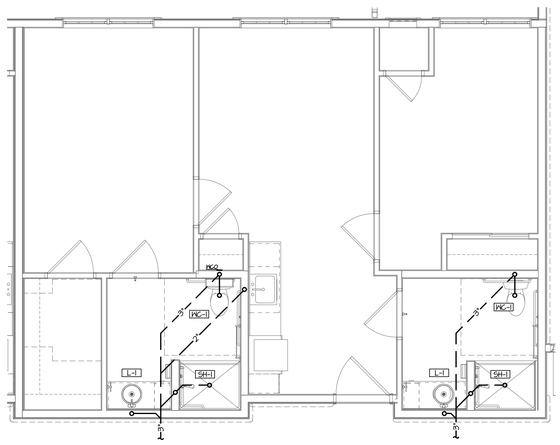
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"



01 ENLARGED PLAN BELOW GRADE PLUMBING
MC UNIT TYPE A
SCALE: 1/4" = 1'-0"



06 ENLARGED PLAN BELOW GRADE PLUMBING
AL UNIT TYPE F
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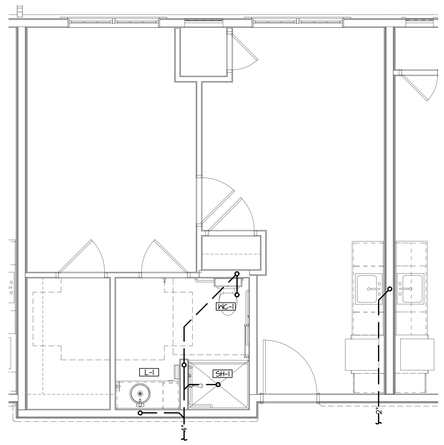
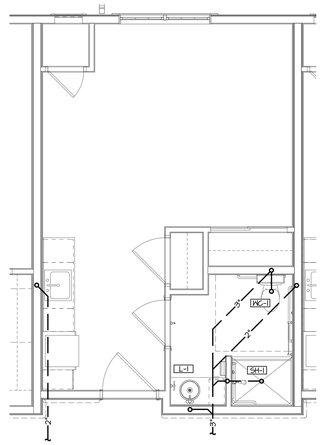


05 ENLARGED PLAN BELOW GRADE PLUMBING
AL UNIT TYPE E
SCALE: 1/4" = 1'-0"



04 ENLARGED PLAN BELOW GRADE PLUMBING
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/2019

SWD ARCHITECTS
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ARCHITECTURAL CORPORATION
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LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
BELOW GRADE PLUMBING
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
P4.1


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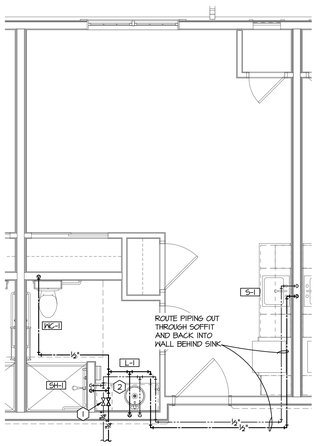
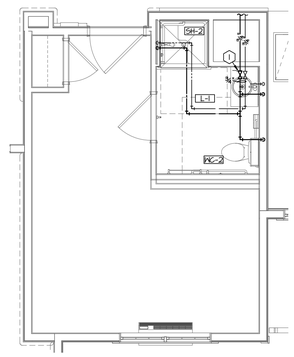



03 ENLARGED PLAN ABOVE GRADE PLUMBING
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"

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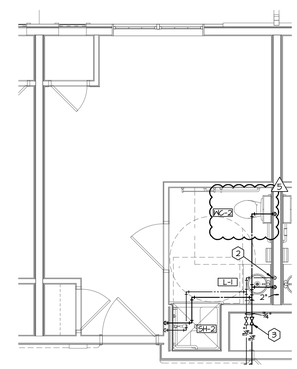
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN ABOVE GRADE PLUMBING
MC UNIT TYPE A
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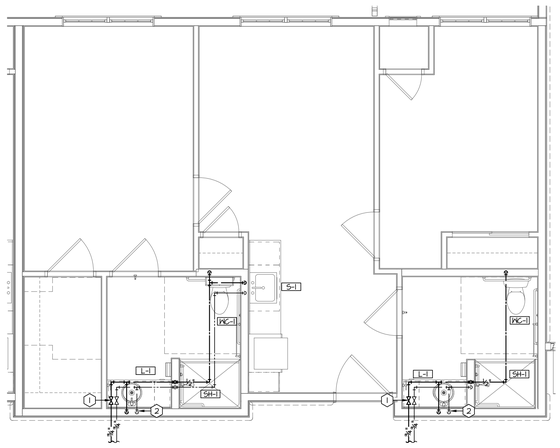
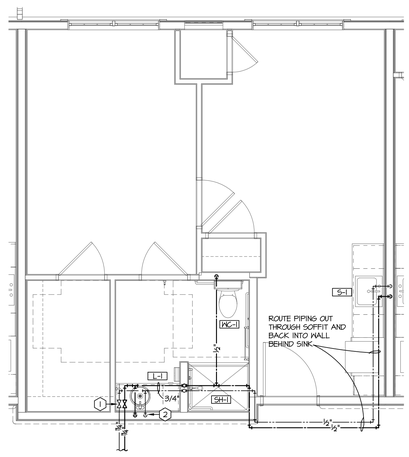



06 ENLARGED PLAN ABOVE GRADE PLUMBING
AL UNIT TYPE F
SCALE: 1/4" = 1'-0"

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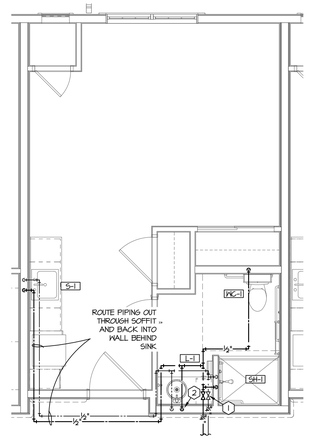
AL UNIT TYPE E
SCALE: 1/4" = 1'-0"

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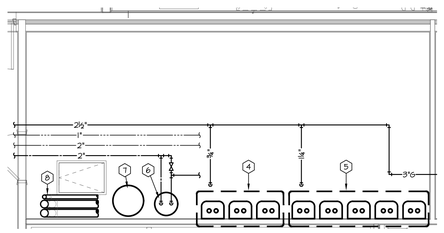
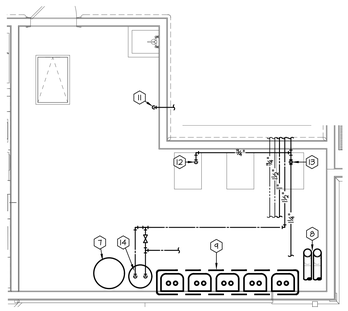
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"




08 ENLARGED PLAN BELOW GRADE PLUMBING
AL BUILDING SERVICES
SCALE: 1/4" = 1'-0"




07 ENLARGED PLAN BELOW GRADE PLUMBING
MC BUILDING SERVICES
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

A. REFER TO MCAL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. LOCATE VALVES IN CEILING CENTERED ON LAVATORY. PROVIDE ACCESS PANEL. COORDINATE WITH LIGHTING.
2. 1/2" COLD WATER AND 1/2" TEMPERED HOT WATER DOWN TO LAVATORY.
3. LOCATE VALVES WITHIN CLOSET IN ACCESSIBLE LOCATION. COORDINATE WITH ALL MECHANICAL EQUIPMENT.
4. SEE DETAIL 02 MCAL P5.2 FOR KITCHEN WATER HEATER CONNECTIONS.
5. SEE DETAIL 01 MCAL P5.2 FOR ASSISTED LIVING WATER HEATER CONNECTIONS.
6. CULLIGAN 80 GPM WATER SOFTENER. SEE DETAIL 11 IL P5.1 FOR TYPICAL WATER SOFTENER CONNECTIONS. ⚠1
7. WATER SOFTENER BRINE TANK.
8. PVC SUPPLY AND EXHAUST AIR PIPING FOR INSTANTANEOUS WATER HEATERS. REFERENCE MCAL P5.2 FOR INDIVIDUAL SIZING.
9. SEE DETAIL 03 MCAL P5.2 FOR MEMORY CARE WATER HEATER CONNECTIONS.
10. SEE MCAL PIPING FLOOR PLANS FOR ALL VENTING.
11. ¾" GAS DOWN TO AHU MC1D. SEE P1.1 FOR CONTINUATION.
12. ¾" GAS DOWN TO AHU MC1C.
13. ¾" GAS DOWN TO AHU MC1B.
14. CULLIGAN 50 GPM WATER SOFTENER. SEE DETAIL 11 IL P5.1 FOR TYPICAL WATER SOFTENER CONNECTIONS. ⚠1

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8/10/19

ENLARGED PLANS
ABOVE GRADE PLUMBING
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
6/14/19

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⚠1 ADDENDUM #1 - 6/5/2019
⚠2 CITY COMMENTS - 7/15/2019
⚠3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
P4.2

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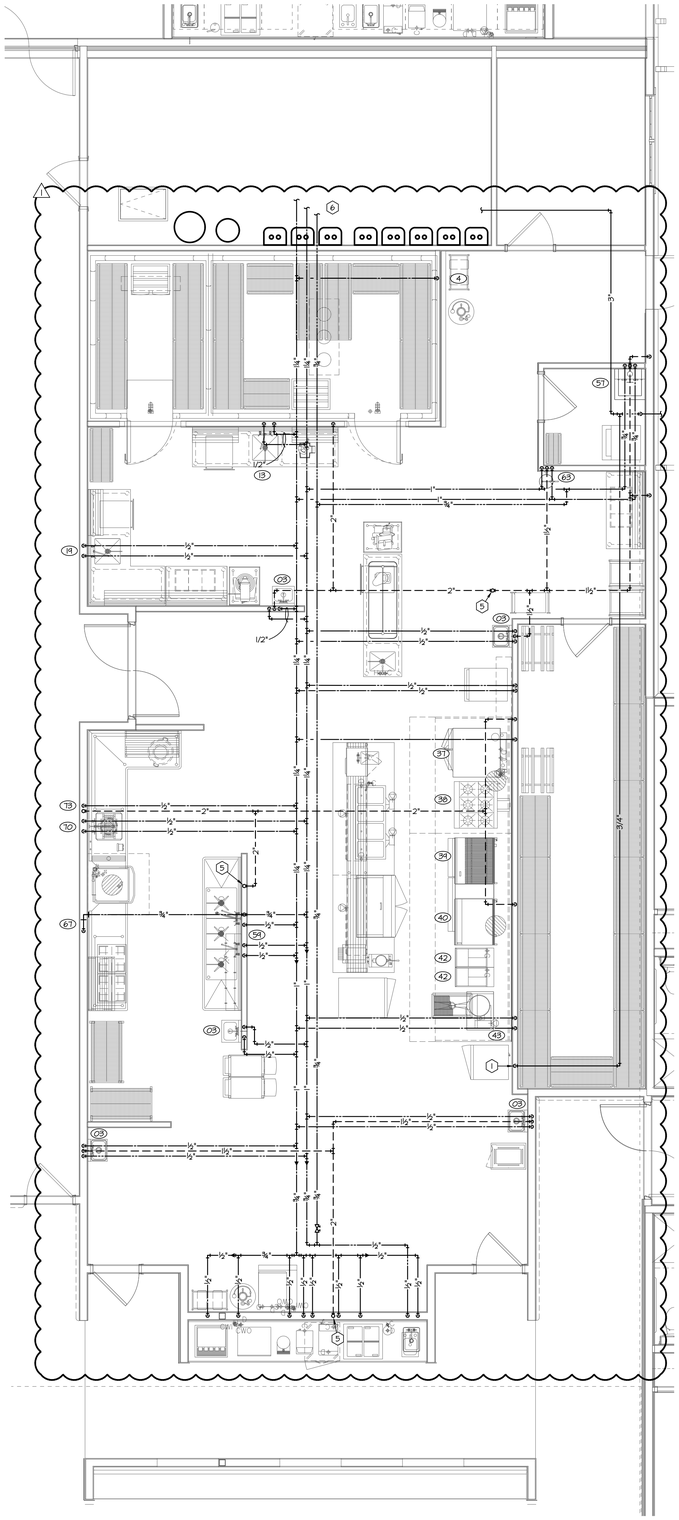
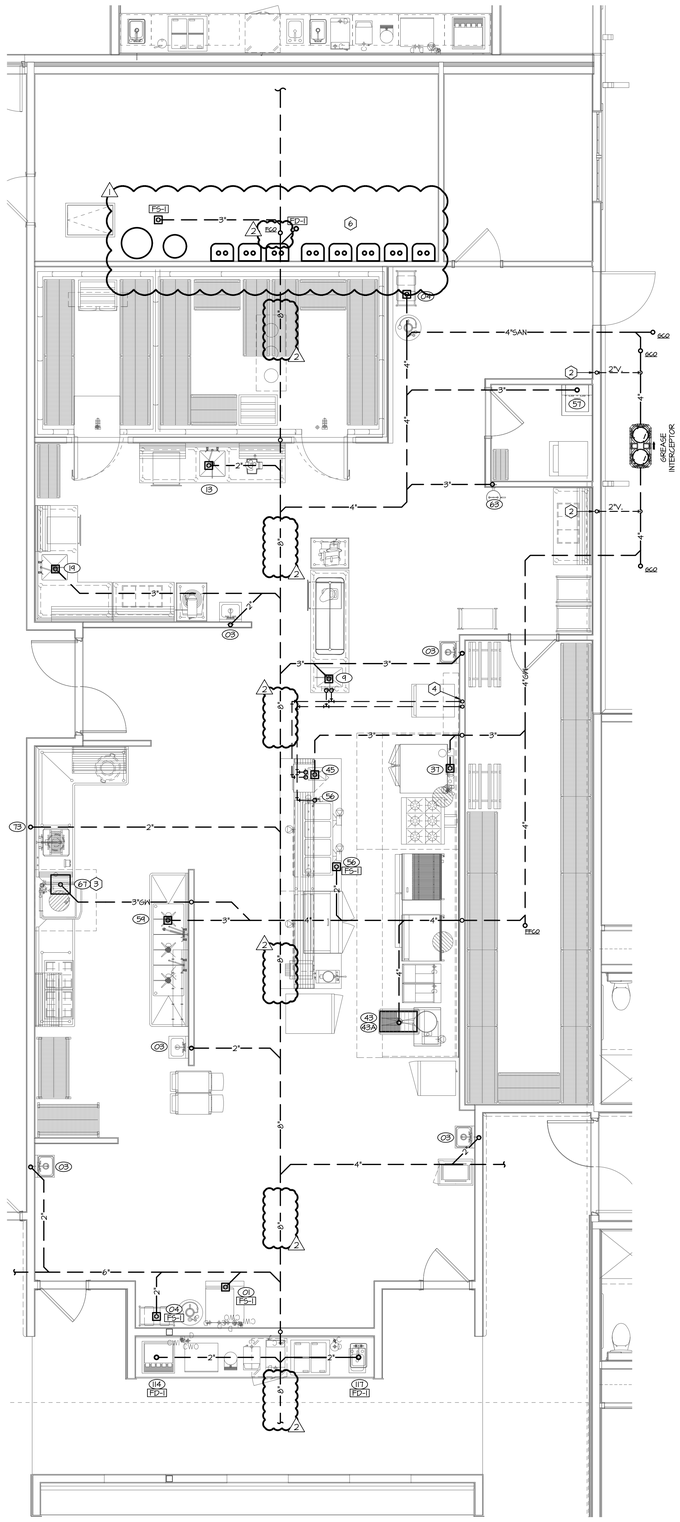


02 ENLARGED PLAN ABOVE GRADE PLUMBING - MCAL KITCHEN
SCALE: 1/4" = 1'-0"



01 ENLARGED PLAN BELOW GRADE PLUMBING - MCAL KITCHEN
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY COMPONENTS AND OFFSETS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT LOCATIONS OF PLUMBING FIXTURES.

C. COORDINATE THE INSTALLATION OF PLUMBING AND PIPING WITH THE WORK OF ALL OTHER TRADES.

D. PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

E. THE CONTRACTOR SHALL NOT LOCATE PIPING BELOW DUCT MOUNTED AIR TERMINAL UNITS, TERMINAL HEATING COILS, OR OTHER EQUIPMENT.

F. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL PLUMBING SYSTEMS.

G. COORDINATE THE SHUT DOWN OF ANY EXISTING SERVICES AND/OR EQUIPMENT WITH THE OWNER'S REPRESENTATIVE.

H. PLUMBING VENT PIPING THROUGH THE ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF THE PARAPET.

I. PROVIDE THE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.

J. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 2".

K. CONTRACTOR SHALL CLEARLY LABEL ALL SHUTOFF VALVES WITH ROOM NAMES AND NUMBERS ASSOCIATED WITH PLUMBING CONNECTED TO EACH SHUTOFF VALVE.

L. ALL VALVES LOCATED IN CLOSETS WHICH OPEN TO THE CORRIDORS MAY BE EXPOSED. ALL VALVES LOCATED IN CLOSETS OPENING INTO RESIDENT'S ROOMS MUST BE CONCEALED ABOVE CEILING OR IN WALL WITH AN ACCESS PANEL. ALL RECIRC WATER CIRCUIT SETTERS SHALL BE INSTALLED IN SAME CLOSET AS DOMESTIC WATER SHUTOFF VALVES WHERE POSSIBLE.

M. PLUMBING ROUGH-IN WORK FOR ALL LARGE (NON-RESIDENTIAL) KITCHENS SHALL BE COORDINATED WITH THE KITCHEN CONTRACTOR. INDIRECT DRAINS REQUIRED IN THE LARGE KITCHENS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.

N. PROVIDE SEISMIC RESTRAINT SYSTEM TO KEEP ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION BUILDING SYSTEM COMPONENTS IN PLACE DURING A SEISMIC EVENT EQUAL TO THE CODE MANDATED SEISMIC FORCE LEVELS FOR THE AREA. REFERENCE SPECIFICATIONS FOR MORE INFORMATION.

O. ALL ABOVE GRADE PIPING IN CORRIDORS SHALL BE ROUTED WITHIN SOFFITS.

P. ALL GAS REGULATORS SHALL BE PROVIDED WITH VENT PIPING TO EXTERIOR OF BUILDING.

Q. PROVIDE CLEANOUTS AS REQUIRED BY CODE FOR ALL BRANCH SANITARY LINES.

R. ALL FOOD HANDLING SINKS SHALL BE SEPARATELY DRAINED TO INDIRECT WASTE RECEPTOR PER UPC 801.2.3.

## PLAN NOTES:

1. REFER TO DETAIL #08 SHEET MCAL P5.1 FOR GAS HEADER DETAILS TO KITCHEN EQUIPMENT.
2. 2" VENT UP TO ABOVE GRADE.
3. 15"x15" FLOOR SINK WITH REMOVABLE STRAINER BASKET AND GRATE. INDIRECT WASTE FROM PRE-RINSE AND DISH MACHINE. DRAIN LINE MUST BE ABLE TO SUSTAIN WASTE WATER TEMPERATURES IN EXCESS OF 200 DEGREES F.
4. 2" HOT AND COLD WATER BELOW GRADE TO SERVING COUNTER SINK.
5. 3" VENT THROUGH ROOF.
6. REFER TO ENLARGED PLAN 08 MCAL P4.2 FOR MECHANICAL ROOM CONNECTIONS.

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1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI


STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978


SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED KITCHEN PLAN
PLUMBING
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

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P4.3

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AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

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ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
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11205 West 79th Street
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H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
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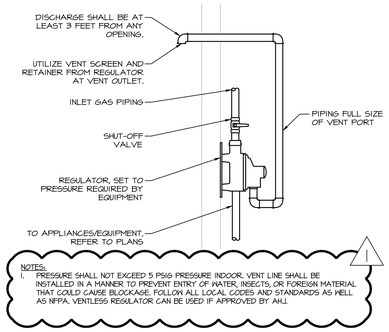
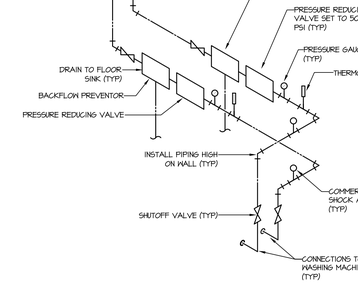
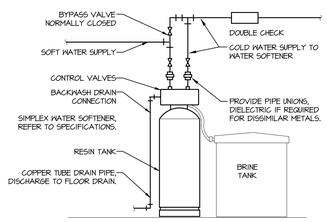



## 09 VENTING INDOOR GAS REGULATOR
SCALE: NOT TO SCALE



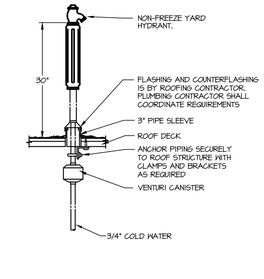

## 10 INSTANTANEOUS GAS HEATER DETAIL
SCALE: NOT TO SCALE




## 11 Simplex Water Softener
SCALE:Not to Scale



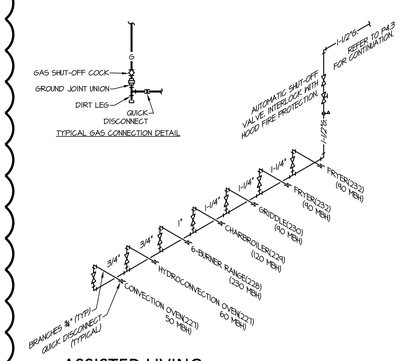

## 12 LAUNDRY SUPPLY RISER
SCALE: NOT TO SCALE



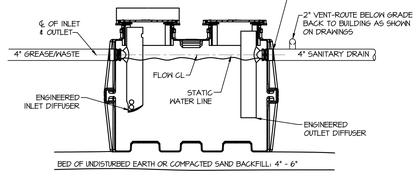

## 05 ROOF HYDRANT
SCALE: NOT TO SCALE




## 06 THREE COMPARTMENT SINK PIPING DETAIL
SCALE: NOT TO SCALE



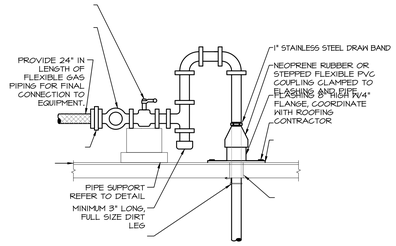

## 08 ASSISTED LIVING KITCHEN GAS MANIFOLD RISER
SCALE: NOT TO SCALE



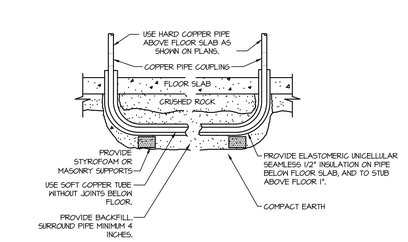

DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED INTERCEPTOR INSTALLATION PLANS AND SPECIFICATIONS TO LOCAL AUTHORITIES FOR THEIR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. INLET PIPE INVERT TO BE SAME AS TOP OF DISCHARGE PIPE. PROVIDE CLEANOUTS AS SHOWN OR AS REQUIRED. COMPACT SOIL BACKFILL AROUND INTERCEPTOR TO PREVENT SETTLING.

INTERCEPTER GENERAL NOTES:
A. INTERCEPTER SHALL BE BY SCHIER PRODUCTS, MODEL GB-250, OR AS INDICATED ON PLANS.
B. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
C. 1000 LB. LOAD RATED, BOLTED, GAS/WATER TIGHT COMPOSITE COVERS.
D. LISTED BY IAPMO TO ASME GREASE INTERCEPTOR STANDARD #A112.14.3 AND CSA B481.1
E. FACTORY INSTALLED BUILT-IN FLOW CONTROL.
F. COVER PLACEMENT ALLOWS FULL ACCESS TO TANK.
G. ENGINEERED INLET AND OUTLET DIFFUSERS ARE REMOVABLE TO INSPECT/CLEAN PIPING.
H. INTEGRAL AIR RELIEF / ANTI-SIPHON.

## 07 TYPICAL GREASE INTERCEPTOR DETAIL
SCALE: NOT TO SCALE

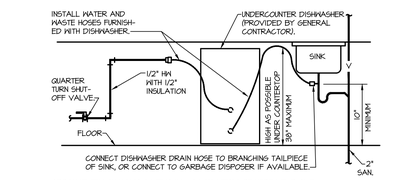



## 01 GAS PIPE THROUGH ROOF DETAIL
SCALE: NOT TO SCALE

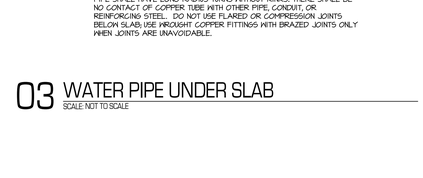



PIPE SHALL HAVE LONG RADIUS TURNS WITHOUT KINKS. THERE SHALL BE NO CONTACT OF COPPER TUBE WITH OTHER PIPE, CONDUIT, OR REINFORCING STEEL. DO NOT USE FLARED OR COMPRESSION JOINTS BELOW SLAB. USE WROUGHT COPPER FITTINGS WITH BRAZED JOINTS ONLY WHEN JOINTS ARE UNAVOIDABLE.

## 03 WATER PIPE UNDER SLAB
SCALE: NOT TO SCALE




## 02 LAUNDRY TRENCH DRAIN
SCALE: NOT TO SCALE




## 04 RESIDENTIAL DISHWASHER CONNECTION
SCALE: NOT TO SCALE

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

MCAL BUILDING PLUMBING DETAILS

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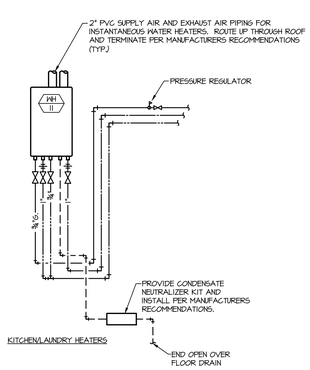
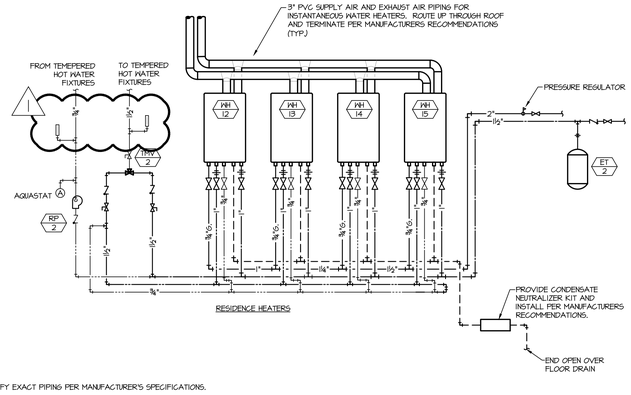
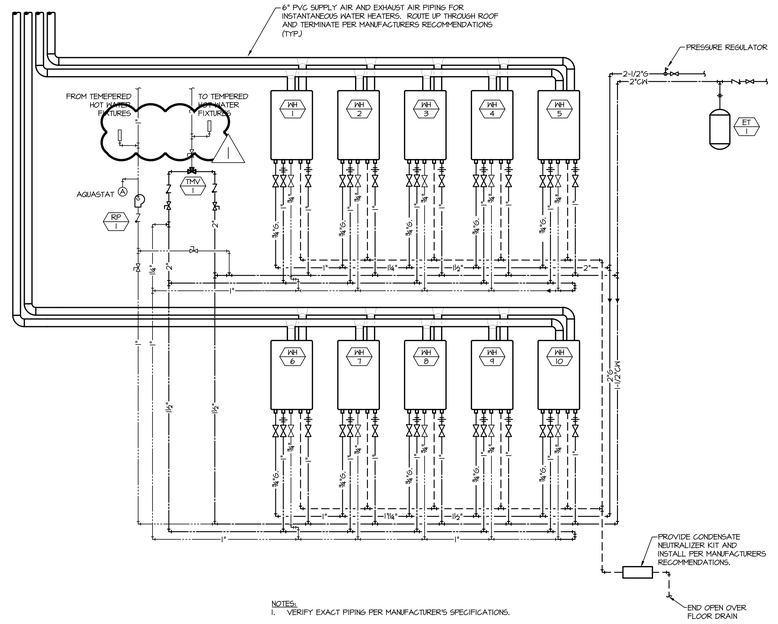



NOTES:
1. VERIFY EXACT PIPING PER MANUFACTURER'S SPECIFICATIONS.

## 03 MEMORY CARE BUILDING INSTANTANEOUS WATER HEATER DETAIL

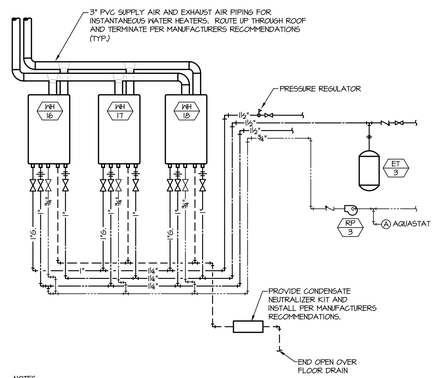
SCALE: NOT TO SCALE




NOTES:
1. VERIFY EXACT PIPING PER MANUFACTURER'S SPECIFICATIONS.

## 01 ASSISTED LIVING BUILDING INSTANTANEOUS WATER HEATER DETAIL

SCALE: NOT TO SCALE




NOTES:
1. VERIFY EXACT PIPING PER MANUFACTURER'S SPECIFICATIONS.

## 02 ASSISTED LIVING KITCHEN INSTANTANEOUS WATER HEATER DETAIL

SCALE: NOT TO SCALE

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

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ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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## KITCHEN EQUIPMENT SCHEDULE - PLUMBING - MEMORY CARE/ASSISTED LIVING

| MARK | EQUIPMENT | CONNECTIONS CW | HW | W | GAS | FLOOR DRAIN | STUB ABV.FLR. | REMARKS | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 1 | ICE CUBER | 1/2" | | | | INDIRECT | | BRANCH THROUGH FILTER | |
| 3 | HAND SINK | 1/2" | 1/2" | 1-1/2" | | DIRECT | | BTC AT FAUCET | |
| 4 | BAG-IN-BOX | | | | | INDIRECT | | | |
| 9 | WORK TABLE | 1/2" | 1/2" | 1-1/2" | | INDIRECT | | FLOOR SINK | |
| 13 | WORK TABLE W/ SINK | 1/2" | 1/2" | | | INDIRECT | | FLOOR SINK | |
| 14 | SS TOP WORK TABLE | 1/2" | 1/2" | | | INDIRECT | | FLOOR SINK | |
| 32 | SUPPLY FAN | | | | TBD | | | ON ROOF | |
| 37 | HYDROCONVECTION OVEN | 3/4" | | | 3/4" | INDIRECT | | STUB CONNECTION FROM WALL OR MAIN GAS LINE BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE | |
| 38 | RANGE | | | | 1" | | | STUB CONNECTION FROM WALL OR MAIN GAS LINE BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE | |
| 39 | CHARBROILER | | | | 3/4" | | | STUB CONNECTION FROM WALL OR MAIN GAS LINE BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE | |
| 40 | GRIDDLE | | | | 3/4" | | | STUB CONNECTION FROM WALL OR MAIN GAS LINE BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE | |
| 42 | FRYER | | | | 3/4" | | | STUB CONNECTION FROM WALL OR MAIN GAS LINE BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE | |
| 43 | KETTLE | 1/2" | 1/2" | | | INDIRECT | | | |
| 43A | FLOOR TROUGH | | | 4" | | | | | |
| 45 | SERVING COUNTER | 1/2" | 1/2" | | | INDIRECT | | FLOOR SINK | |
| 56 | DROP-IN HOT WELL | 1/2" | | | | INDIRECT | | COPPER DRAIN LINE REQUIRED | |
| 57 | MOP SINK | 1/2" | 1/2" | 2" | | | | | |
| 59 | 3 COMP SINK | 1/2" | 1/2" | | | INDIRECT | | FLOOR SINK | |
| 63 | EYE WASH STATION | 1/2" | 1/2" | 1-1/2" | | | | PLUMBER TO PROVIDE "LOCK-OUT, TAG-OUT" SHUT OFF VALVES. BRANCH THROUGH MIXING VALVE TO CONNECTION | |
| 67 | DISHWASHER | | 3/4" | | | INDIRECT | | BRANCH TO DISHWASHER CONNECTION AT 1" AFF WITH S.S. BRAIDED FLEX HOSE. | |
| 70 | SOILED DISH TABLE | 1/2" | 1/2" | | | | | BTC AT FAUCET | |
| 73 | DISPOSER | 1/2" | | 2" | | | | BRANCH TO CONNECTION | |
| 102 | DIPPERWELL | 1/2" | | | | INDIRECT | | FLOOR SINK | |
| 109 | ICE AND WATER DISPENSER | 1/2" | | | | INDIRECT | | BTC THROUGH WATER FILTER, HUB DRAIN | |
| 110 | TEA DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 111 | JUICE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 112 | COFFEE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 114 | SODA DISPENSER | 1/2" | | | | INDIRECT | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 117 | DROP-IN DUMPING SINK | 1/2" | 1/2" | | | INDIRECT | | HUB DRAIN | |
| 302 | JUICE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 304 | COFFEE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 305 | ICE AND WATER DISPENSER | 1/2" | | | | INDIRECT | | BTC THROUGH WATER FILTER, HUB DRAIN | |
| 306 | DROP-IN DUMPING SINK | 1/2" | 1/2" | | | INDIRECT | | HUB DRAIN | |
| 309 | HAND SINK | 1/2" | 1/2" | 1-1/2" | | DIRECT | | BTC AT FAUCET | |
| 312 | DROP-IN HOT WELL | | | | | INDIRECT | | COPPER DRAIN LINE REQUIRED | |
| 351 | COFFEE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 352 | ICE AND WATER DISPENSER | 1/2" | | | | INDIRECT | | BTC THROUGH WATER FILTER, HUB DRAIN | |
| 353 | HAND SINK | 1/2" | 1/2" | 1-1/2" | | DIRECT | | BTC AT FAUCET | |

**NOTES:**
1. PLUMBING CONTRACTOR TO PROVIDE INDIRECT DRAIN FROM FIXTURE TO FLOOR DRAIN.
2. PLUMBING CONTRACTOR TO PLUMB GOLD WATER THROUGH FILTER.
3. BEVERAGE DISPENSER WATER CONNECTION SHALL BE PROTECTED BY A BACKFLOW PREVENTER CONFORMING TO ASSE 1022.

**GENERAL NOTES: (APPLIES TO ALL EQUIPMENT ABOVE)**
A. VERIFY EXACT INSTALLATION REQUIREMENTS OF ALL EQUIPMENT WITH KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

## WATER HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | CAPACITY (GAL) | INPUT (MBH) | OUTPUT (MBH) | RECOVERY (GPM) @ 90F | V/PH | NOTES |
|---|---|---|---|---|---|---|---|---|
| WH-1 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-2 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-3 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-4 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-5 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-6 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-7 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-8 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-9 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-10 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-11 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-12 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-13 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-14 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-15 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-16 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-17 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-18 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |

**GENERAL NOTES (APPLIES TO ALL ABOVE):**
1. PROVIDE DE-SCALER AND FILTER AS RECOMMENDED BY MANUFACTURER.
2. PROVIDE PRESSURE AND TEMPERATURE RELIEF VALVE.
3. PROVIDE PVC INTAKE AND EXHAUST VENT PIPING UP THROUGH ROOF AND TERMINATE PER MANUFACTURERS RECOMMENDATIONS.
4. PROVIDE ISOLATION VALVE KIT WITH FULL PORT DRAIN VALVE FOR MAINTENANCE.
5. PROVIDE INTERNAL RECIRC. PUMP.

## PLUMBING FIXTURE SCHEDULE

| MARK | DESCRIPTION | MANUFACTURER | MODEL | TRIM | CONNECTIONS CW | HW | W | V | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| WC-1 | ADA FLOOR MOUNTED FLUSH TANK WATER CLOSET-1.28 GPF | AMERICAN STANDARD<br>CRANE<br>TOTO | CADET PRO 215AA.104 | ELONGATED BEMIS 1200SLOWT WHITE SOFT-CLOSE ANTIMICROBIAL SEAT | 1/2" | -- | 4" | 2" | 1, 3, 5 |
| WC-2 | ADA FLOOR MOUNTED FLUSH TANK WATER CLOSET-1.28 GPF | AMERICAN STANDARD<br>CRANE<br>TOTO | CADET PRO 215AA.104 | WHITE, ELONGATED BEMIS 1200SLOWT SOFT-CLOSE ANTIMICROBIAL SEAT, SEAT BLACK | 1/2" | -- | 4" | 2" | 1, 3, 5 |
| L-1 | INTEGRAL BOWL LAVATORY | PROFLO | PFIT1410AWH | FAUCET: F-1 | -- | -- | 1-1/2" | 1-1/2" | 2 |
| L-2 | WALL HUNG LAVATORY | MANSFIELD | 2040 | FAUCET: F-1<br>21X22 BASIN W/ SHROUD CONCEALED ARM CARRIER | -- | -- | 1-1/2" | 1-1/2" | 1, 2 |
| S-1 | SINGLE BOWL 18 GAUGE SELF RIM SINK | ELKAY | LR-2219 | FAUCET: F-2 | -- | -- | 2" | 1-1/2" | 2, 5 |
| S-2 | SALON SINK | JEFFCO | 8900 | FAUCET AND SHAMPOO HOSE ARE FURNISHED | -- | -- | 2" | 1-1/2" | 2, 5 |
| S-3 | ADA SINGLE BOWL 18 GAUGE SELF RIM SINK | ELKAY | LRAD-2219 | FAUCET: F-2 | -- | -- | 2" | 1-1/2" | 2, 5 |
| S-4 | FLOOR MOUNTED TUB TYPE SERVICE SINK | FIAT | FL-1 | FAUCET F-4<br>INTEGRAL DRAIN WITH STOP | -- | -- | 2" | 1-1/2" | |
| S-5 | DOUBLE BOWL 18 GAUGE SELF RIM SINK | ELKAY | LR2918I | FAUCET: F-2 | -- | -- | 2" | 1-1/2" | 2 |
| JS-1 | MOLDED STONE JANITOR'S SINK | FIAT | MSB-2424 | FAUCET F-3<br>5/5 BUMPERGUARDS<br>5/5 WALL GUARDS | -- | -- | 3" | 1-1/2" | |
| F-1 | ADA SINGLE LEVER LAVATORY FAUCET | BAYSTONE | CA2712 | 1.5 GPM, BRUSHED NICKEL FINISH POP-UP DRAIN, 1-HOLE | 1/2" | 1/2" | -- | -- | 5 |
| F-2 | SINGLE LEVER KITCHEN FAUCET | BAYSTONE | 42519 | 1.5 GPM, BRUSHED NICKEL FINISH CUP STRAINER DRAIN 1-HOLE | 1/2" | 1/2" | -- | -- | |
| F-3 | JANITOR'S SINK FAUCET | AMERICAN STANDARD<br>FIAT<br>DELTA | 8344.112<br>830-AA<br>2814-AC | VACUUM BREAKER, WALL BRACE, PAIL HOOK, 30" HOSE WITH WALL GRIP, MOP HANGER | 3/4" | 3/4" | -- | -- | |
| F-4 | TUB TYPE SINK FAUCET | FIAT | A-1 | DECK FAUCET 4" CENTERS | 3/4" | 3/4" | -- | -- | |
| SH-1 | 48" SHOWER UNIT | BEST BATH | LSS4836BST | WHITE GELCOAT FLAT PANEL GRAB BARS, 24" SLIDE, 2" THRESHOLD SHOWER VALVE: SV-1 | -- | -- | 1-1/2" | 2" | |
| SH-2 | 36" SHOWER UNIT | AQUATIC | 1363BFSD | WHITE GELCOAT FLAT PANEL GRAB BARS, SOAP DISH, 24" SLIDE SHOWER VALVE: SV-1 | -- | -- | 1-1/2" | 2" | |
| TUB-1 | SIDE ENTRY THERAPY TUB | BEST BATH | XTW6035 L/R | | 3/4" | 3/4" | 2" | | 8 |
| SV-1 | ADA SINGLE LEVER PRESSURE BALANCE SHOWER FAUCET | MOEN | 62370 | BRUSHED NICKEL T2801 VALVE TRIM, A125 DROP ELL, 3868 HANDSHOWER W/ SLIDE | 1/2" | 1/2" | -- | -- | 5 |
| HB-1 | NON-FREEZE WALL HYDRANT | WOODFORD<br>WADE<br>SMITH | MODEL 65<br>8600<br>5609QT | VACUUM BREAKER LOOSE CONTROL KEY WALL CLAMP | 1/2" | -- | -- | -- | 6 |
| HB-2 | ROUGH BRASS HOSE BIBB | WOODFORD<br>CHICAGO | MODEL 24<br>998 | VACUUM BREAKER DRAIN PLUG | 1/2" | -- | -- | -- | |
| RH-1 | FREEZELESS ROOF HYDRANT NO DRAIN | FREEZE FLOW | 21319R | | 1" | -- | 1/8" | -- | |
| FD-1 | 7" ROUND FLOOR DRAIN | WADE<br>ZURN<br>SMITH | 1100STD<br>Z-415<br>2005 | NICKEL BRONZE STRAINER TRAP GUARD, DEEP SEAL TRAP | -- | -- | -- | -- | 4, 7 |
| FS-1 | 12" SQUARE FLOOR DRAIN | WADE<br>ZURN<br>SMITH | W-2370-27<br>Z-546-7-6T<br>2410 | CAST IRON 12" X 12" FLOOR DRAIN WITH DUCTILE IRON GRATE ALUMINUM SEDIMENT BUCKET | | | | | 7 |
| FS-2 | 8" SQUARE FLOOR SINK | WADE<br>ZURN<br>SMITH | 9110<br>Z-1910<br>3100 | 6-1/4" DEEP BODY, ENAMELED INTERIOR, SEDIMENT BUCKET, NICKEL BRONZE RIM AND 3/4 GRATE | -- | -- | -- | -- | 4, 7 |
| FS-3 | 12" SQUARE FLOOR SINK | WADE<br>ZURN<br>SMITH | Z-1901 | 6-1/4" DEEP BODY, ENAMELED INTERIOR, SEDIMENT BUCKET, NICKEL BRONZE RIM AND 3/4 GRATE | -- | -- | -- | -- | 4 ,7 |
| FS-4 | 12" SQUARE FLOOR SINK W/ 1/2 GRATE | ZURN | Z-1750-2 | 12X12X6 DEEP, STAINLESS STEEL 1/2 GRATE | -- | -- | -- | -- | 4,7 |
| TMV-1 | THERMOSTATIC MIXING VALVE | POWERS<br>ARMSTRONG<br>LEONARD | DMC 40 FLEX | 81-158F THERMOMETER CONTROL LOCKING DEVICE 10 GPM MIN, 80 GPM MAX. FLOW | SEE PLAN | | -- | -- | 4 |
| TMV-2 | THERMOSTATIC MIXING VALVE | POWERS<br>ARMSTRONG<br>LEONARD | DMC 40 FLEX | 81-158F THERMOMETER CONTROL LOCKING DEVICE 10 GPM MIN, 50 GPM MAX. FLOW | SEE PLAN | | -- | -- | 4 |
| ET-1 | EXPANSION TANK | AMTROL | THERM-X-TROL ST-8 | WATER HEATER | -- | 3/4" | -- | -- | |
| ET-2 | EXPANSION TANK | AMTROL | THERM-X-TROL ST-5 | WATER HEATER | -- | 3/4" | -- | -- | |
| ET-3 | EXPANSION TANK | AMTROL | THERM-X-TROL ST-5 | WATER HEATER | -- | 3/4" | -- | -- | |
| RP-1 | RECIRCULATION PUMP | B&G | PL-30 | 0.167 HP, 120V STRAP-ON AQUASTAT 8 GPM, 16' HEAD | -- | -- | -- | -- | 4 |
| RP-2 | RECIRCULATION PUMP | B&G | PL-30 | 0.167 HP, 120V STRAP-ON AQUASTAT 6 GPM, 15' HEAD | -- | -- | -- | -- | 4 |
| RP-3 | RECIRCULATION PUMP | B&G | PL-30 | 0.167 HP, 120V STRAP-ON AQUASTAT 3 GPM, 8' HEAD | -- | -- | -- | -- | 4 |
| GD-1 | GARBAGE DISPOSAL | INSINKERATOR | BADGER 5 | 1/2 HP, 120V | -- | -- | -- | -- | |
| SI-1 | SOLIDS INTERCEPTOR | ZURN | Z1181 | 30 GPM CAPACITY SOLIDS INTERCEPTOR W/ REMOVABLE STEEL BUCKET - RECESSED | -- | -- | 2" | 1-1/2" | |
| WMB | WASHING MACHINE CONNECTION BOX | GUY GRAY | B200 | GALVANIZED STEEL BOX | 1/2" | 1/2" | 2" | 1-1/2" | |
| RD-1 | CAST IRON ROOF DRAIN WITH CAST IRON DOME | WADE<br>ZURN<br>SMITH | W-3000<br>ZC-100<br>1010-CID | ROOF DRAIN WITH FLANGE, FLASHING RING, GRAVEL STOP AND CAST IRON DOME | -- | -- | -- | -- | |
| OD-1 | CAST IRON OVERFLOW DRAIN WITH CAST IRON DOME | WADE<br>ZURN<br>SMITH | W-3000-SD<br>ZC-100-W2<br>1070-CID | ROOF DRAIN WITH FLANGE, FLASHING RING, GRAVEL STOP AND CAST IRON DOME, 2" DAM | -- | -- | -- | -- | |
| SP-1 | ELEVATOR SUMP PUMP | WEIL | 1411 | 1/2 HP, 120V/1 PHASE RATED 50 GPM AT 20 FEET W.P.D. | -- | -- | -- | -- | |

**NOTES:**
1. FIXTURE IS ADA COMPLIANT. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL MOUNTING HEIGHT.
2. FAUCET HOLES TO MATCH FAUCET SPECIFIED.
3. WATER CLOSET SEAT COLOR FOR MEMORY CARE BUILDING ONLY SHALL BE BLACK.
4. PIPE SIZE AS SHOWN ON DRAWING.
5. FIXTURE ASSEMBLY MUST BE APPROVED BY AND INSTALLED PER ADA.
6. PROVIDE OPERATING ROD ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS BASED ON WALL THICKNESS.
7. PROVIDE TRAP GUARDS FOR ALL FLOOR DRAINS OUTSIDE OF FOOD SERVICE AREA.
8. PROVIDE HOSE BIBB HB-2 FOR HOT AND COLD WATER CONNECTIONS TO TUB-1. INDIRECT 2" DRAIN TO FLOOR SINK. INSTALL PER MANUFACTURES RECOMMENDATIONS.

**GENERAL NOTES:**
A. PROVIDE INSULATION KIT ON ALL ADA FIXTURES WITH EXPOSED TRAP AND SUPPLIES.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
8/10/2019

SWD ARCHITECTS
EST 1935


ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 182088


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LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI


STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978


SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER
8/10/19

MCAL BUILDING
PLUMBING SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
P6.1


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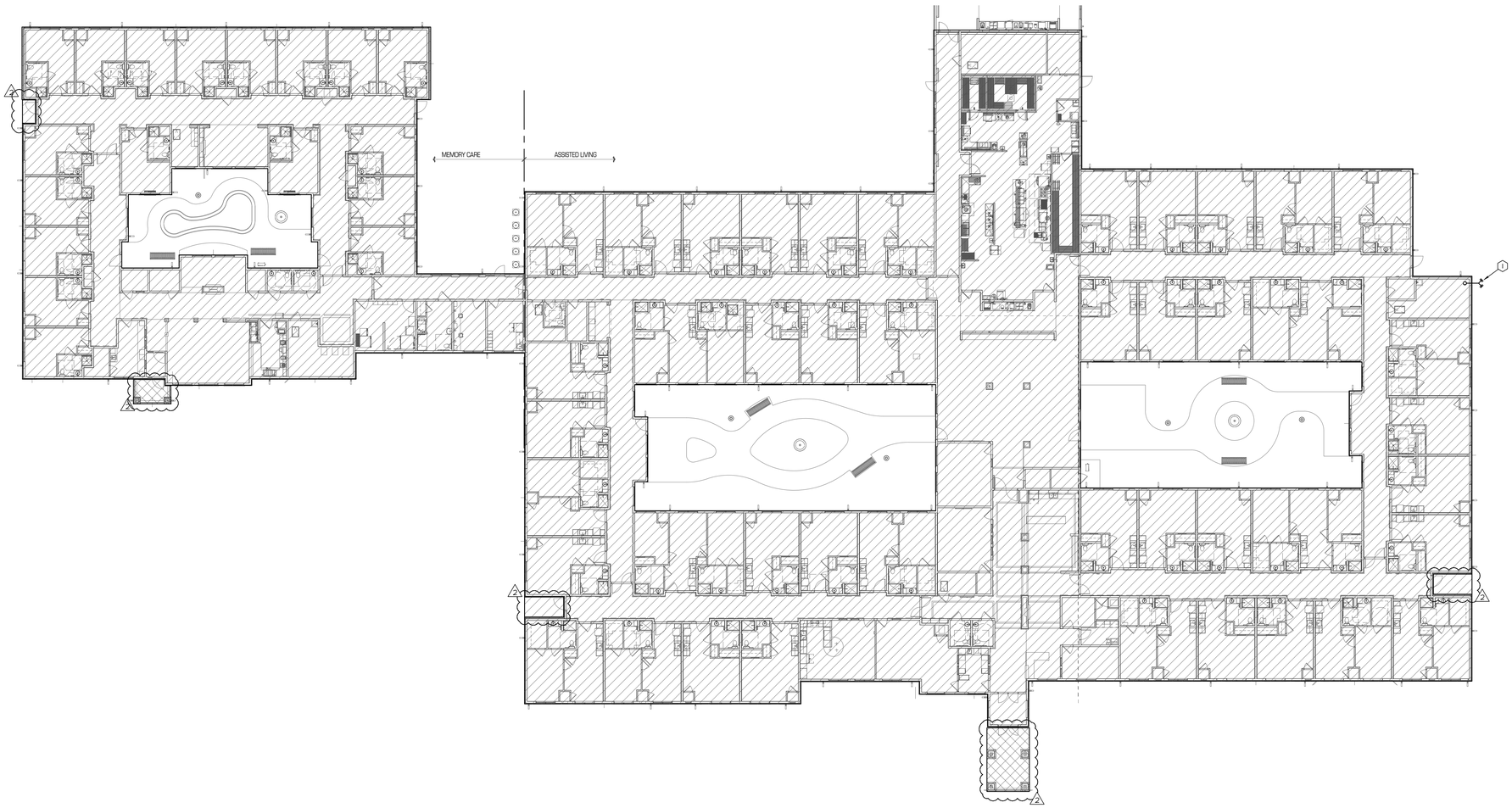



NOTE:
THIS FIRE PROTECTION SYSTEM SHALL BE DESIGNED BASED ON 76 PSI STATIC, 47 PSI RESIDUAL PRESSURE AT 1600 GPM, BASED ON FLOW TEST PERFORMED AT 1716 SE 11TH STREET, LEES SUMMIT, MISSOURI.

01 FLOOR PLAN - FIRE PROTECTION
SCALE: 1/16" = 1'-0"

NORTH

## FIRE PROTECTION NOTES:

1. PROVIDE A COMPLETE AUTOMATIC SPRINKLER SYSTEM TO SERVE THE ENTIRE BUILDING.
2. PROVIDE FIRE PROTECTION SYSTEM COMPLETE, PER APPLICABLE CODES, PER NFPA, AND PER REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
3. INCLUDE ALL PIPING, OFFSETS, FITTINGS, DRAINS, VALVES, SUPPORTS, HEADS, ETC. AS REQUIRED FOR A COMPLETE OPERABLE SYSTEM.
4. SPRINKLER HEADS SHALL BE WHITE, CONCEALED IN PUBLIC AREAS, AND SEMI-RECESSED IN RESIDENCE UNITS. SPRINKLER HEADS SHALL BE ROUGH BRASS FOR AREAS WITH EXPOSED STRUCTURE.
5. SPRINKLER HEADS IN CEILINGS, UNLESS FUNCTIONALLY IMPOSSIBLE, SHALL BE CENTERED WITH AND BETWEEN ROWS OF LIGHT FIXTURES. SPRINKLER HEADS IN MACHINE ROOMS SHALL BE 212F TEMPERATURE ACTIVATED.
6. PIPING IN AREAS HAVING FINISHED CEILINGS SHALL BE CONCEALED. SPRINKLER PIPING 2-SCHEDULE 10 BLACK STEEL. SPRINKLER PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL. MINIMUM PIPE 1" AND LARGER MAY BE 2 SIZE SHALL BE 1". OTHER MATERIALS LISTED UNDER NFPA 13R ARE ACCEPTABLE.
7. PROVIDE AND INSTALL BACKFLOW PREVENTION EQUIPMENT AS REQUIRED BY LOCAL CODES. PROVIDE AND INSTALL FULL FLOW FIRE METER OR DETECTOR CHECK METER IF REQUIRED. THE SYSTEMS SHALL BE DESIGNED BY A LICENSED FIRE PROTECTION ENGINEER AND INSTALLED BY A LICENSED SPRINKLER CONTRACTOR.
8. COORDINATE ALL SCHEDULING AND WORK WITH OTHER TRADES SO AS TO PREVENT CONFLICTS, AND TO ENSURE ORDERLY PROGRESS OF THE WORK WITH A MINIMUM OF DELAYS. WHERE SPRINKLER PIPING IS INSTALLED WITHOUT COORDINATING WITH OTHER TRADES AND CONFLICTS OCCUR, SPRINKLER PIPING SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER TO RESOLVE THE CONFLICTS.
9. WHERE PIPING PASSES THROUGH WALLS, FLOORS, CEILINGS, OR OTHER BUILDING CONSTRUCTION, SLEEVES MUST BE USED. WHERE EXPOSED PIPING PASSES THROUGH FINISH WORK, CHROME PLATED OR OTHER FINISH ACCEPTABLE TO THE ARCHITECT, SPLIT WALL PLATES OR ESCUTCHEONS SHALL BE INSTALLED TO FIT SNUGLY AROUND THE PIPING.
10. SEAL ALL FIRE PROTECTION FLOOR, WALL AND ROOF PENETRATIONS WATERTIGHT AND WEATHERTIGHT. CAULK AROUND FIRE PROTECTION PENETRATIONS WITH 3M CP-25 FIRE BARRIER CAULK (THICKNESS AS REQUIRED AND RECOMMENDED BY MANUFACTURER) TO MAINTAIN FIRE RESISTANCE RATING OF FIRE-RATED ASSEMBLIES.

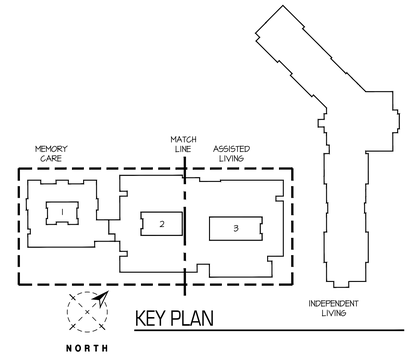
## GENERAL NOTES:

1. PROVIDE NEW FIRE SPRINKLER SERVICE ENTRANCE IN ACCORDANCE WITH FIRE PROTECTION SERVICE ENTRY DETAIL. THE FIRE SPRINKLER CONTRACTOR (FSC) SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, MATERIALS AND COMPLETE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM. THE FSC SHALL PREPARE ALL NEEDED DRAWINGS TO MEET N.F.P.A. 13 REQUIREMENTS AND HAVE APPROVAL OF ALL LOCAL, STATE AND INSURANCE UNDERWRITING AUTHORITIES. THE SYSTEM SHALL BE TESTED UNDER PRESSURE BY THE FSC AND INSPECTED AND APPROVED BY THE LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. THE FSC SHALL COORDINATE LOCATION OF THE ENTIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES.
2. PROVIDE WET TYPE FIRE PROTECTION SYSTEM FOR SINGLE HATCHED AREAS AS SHOWN AT LEFT.
3. PROVIDE DRY TYPE FIRE PROTECTION SYSTEM FOR DOUBLE HATCHED AREAS AS SHOWN ON RIGHT IF REQUIRED BY CODE.
4. ROUTE PIPING CONCEALED ABOVE CEILING OR IN WALLS WHERE POSSIBLE. HEAD LAYOUT AND BRANCH PIPING SHALL BE SUBMITTED IN SHOP DRAWINGS.
5. ALL PIPING SHALL BE ROUTED AT 90 DEGREE ANGLES TO THE STRUCTURE IN A NEAT AND ORDERLY FASHION.
6. ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.
7. ALL WET SYSTEM PIPING SHALL BE ROUTED THROUGH SOFFITS AS INDICATED AND COORDINATED WITH DOMESTIC WATER PIPING. AT CONTRACTORS OPTION, AND IF ACCEPTABLE BY CODE, THIS ENTIRE WING MAY BE PROTECTED WITH THE DRY SYSTEM AS LONG AS NO MORE THAN 4 DRAINS ARE PROVIDED TO ADEQUATELY DRAIN THE SYSTEM.

NOTE:
FIRE PROTECTION ENGINEER SHALL PERFORM WATER FLOW RATE AND PRESSURE TESTS AND VERIFY PRESSURE AVAILABLE AT SITE BEFORE COMPLETING FINAL DESIGN.

## PLAN NOTES:

1. FIRE DEPARTMENT SIAMESE CONNECTION.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
BUILDING

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FLOOR PLAN
FIRE PROTECTION
MEMORY CARE &
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
FP1.1

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/20/19

## FIRE PROTECTION NOTES:

1. REFER TO MCAL FP1.1 FOR FIRE PROTECTION GENERAL NOTES.

## GENERAL NOTES:

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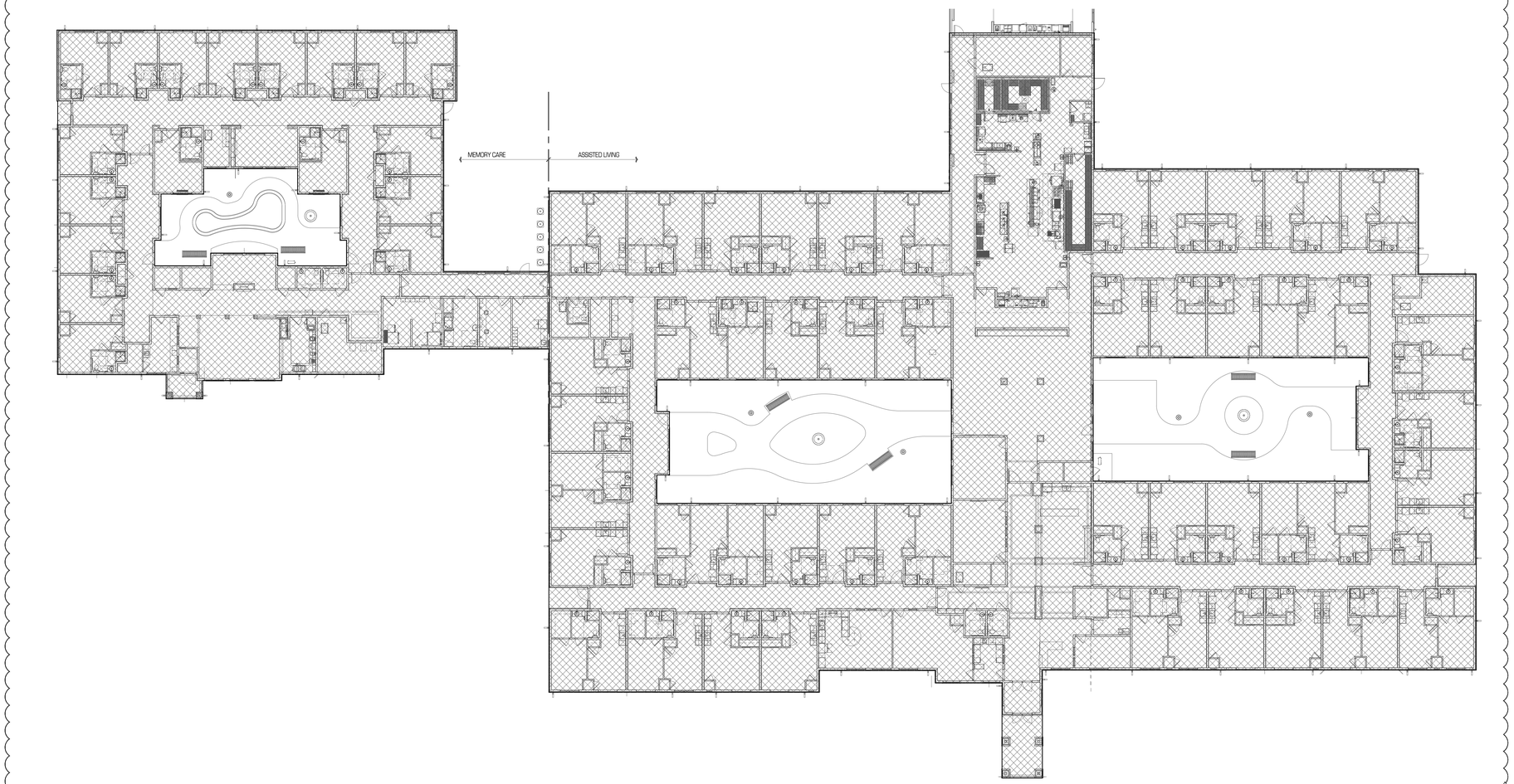
## PLAN NOTES:

1. ...




NOTE:
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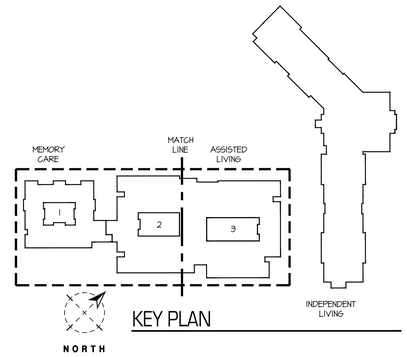
01 MC/AL ATTIC PLAN - FIRE PROTECTION
SCALE: 1/16" = 1'-0"

NORTH




KEY PLAN

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
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Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

ATTIC PLAN
FIRE PROTECTION
MEMORY CARE &
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
FP1.2

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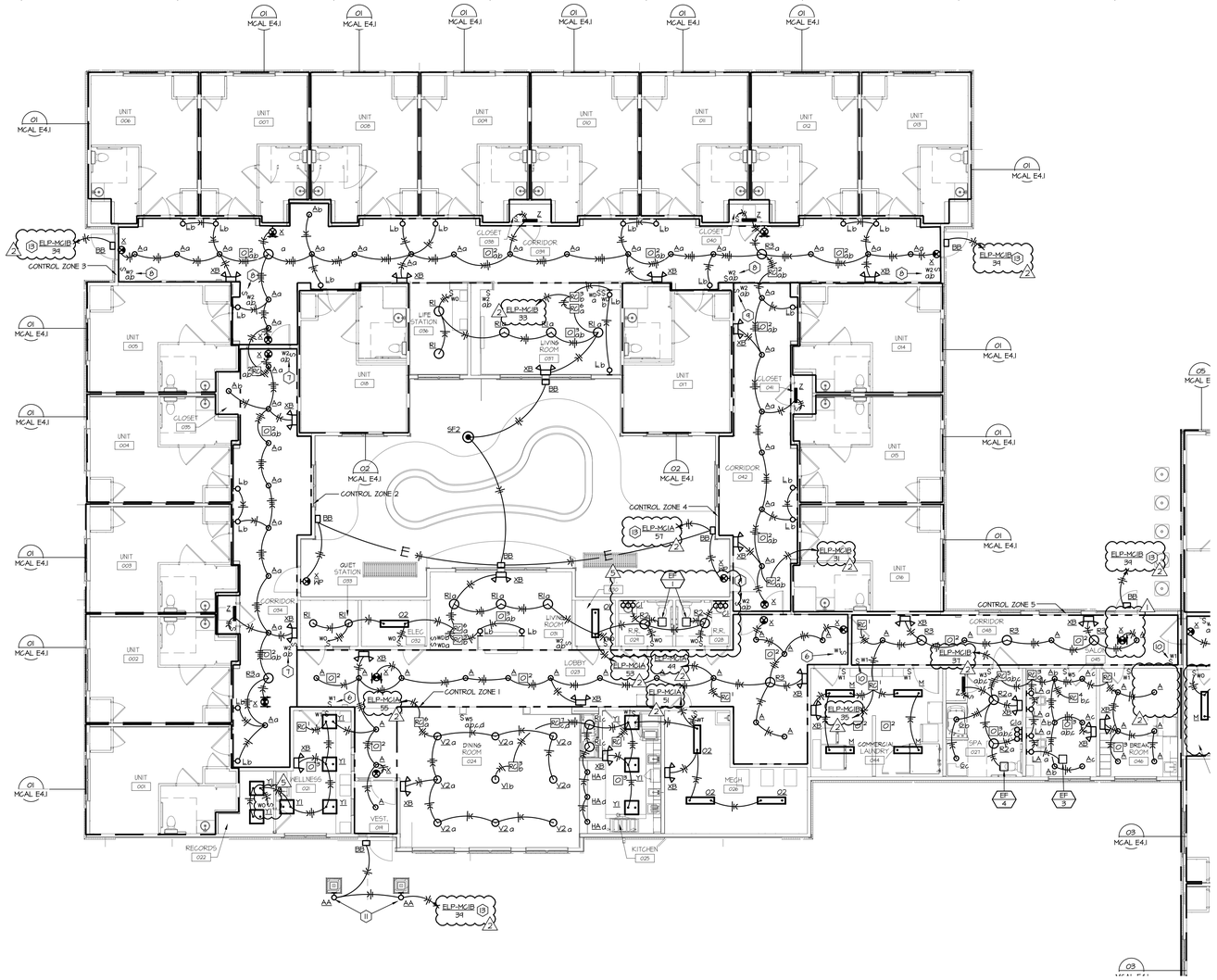



01 1ST FLOOR AREA A - LIGHTING

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.

D. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

E. PROVIDE SEPARATE NEUTRALS FOR DIMMING CIRCUITS.

F. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND LIGHTING IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

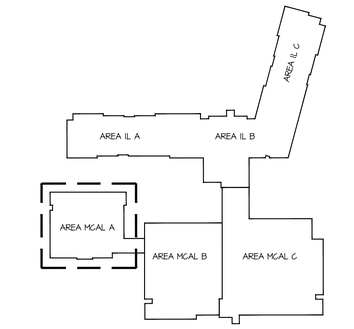
G. ALL LIGHTING CONTROL ROOM CONTROLLERS SHALL BE INSTALLED IN AN ACCESSIBLE AND CONCEALED LOCATION. PROVIDE ACCESS PANELS WHERE REQUIRED.

H. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE NEUTRAL TO ALL LINE VOLTAGE SWITCHES.

## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 3 LIGHTING.
4. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 4 LIGHTING.
5. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 5 LIGHTING.
6. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 1 LIGHTING.
7. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 2 LIGHTING.
8. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 3 LIGHTING.
9. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 4 LIGHTING.
10. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 5 LIGHTING.
11. MOUNT FIXTURE TO GOLUMN 8'-0" AFF.
12. MOUNT FIXTURE TO BUILDING 6'-0" AFF.
13. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTACTOR WITH (2)#10 & #10 GROUND WIRE IN A 3/4" CONDUIT. REFERENCE SHEET ILE5.2 FOR MORE INFORMATION.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
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LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA A
LIGHTING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
5. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
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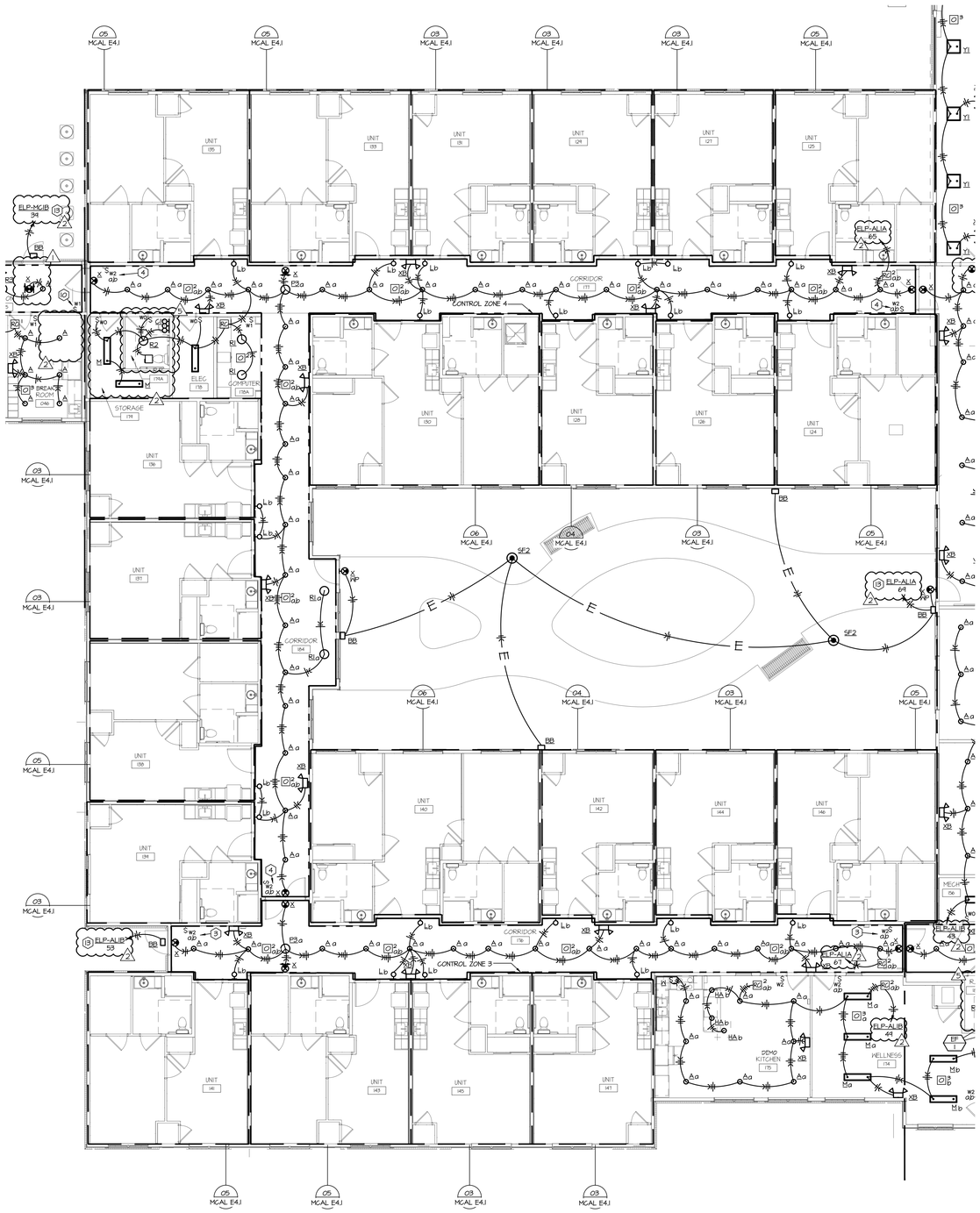



01 1ST FLOOR AREA B - LIGHTING

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

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.

D. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

E. PROVIDE SEPARATE NEUTRALS FOR DIMMING CIRCUITS.

F. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND LIGHTING IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

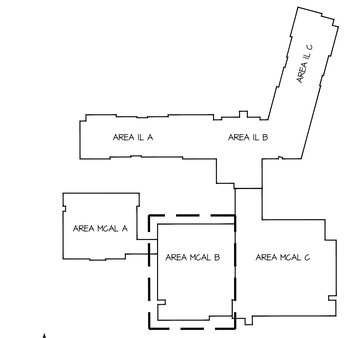
G. ALL LIGHTING CONTROL ROOM CONTROLLERS SHALL BE INSTALLED IN AN ACCESSIBLE AND CONCEALED LOCATION. PROVIDE ACCESS PANELS WHERE REQUIRED.

H. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

1 I. PROVIDE NEUTRAL TO ALL LINE VOLTAGE SWITCHES.

## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 3 LIGHTING.
4. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 4 LIGHTING.
5. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 5 LIGHTING.
6. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 1 LIGHTING.
7. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 2 LIGHTING.
8. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 3 LIGHTING.
9. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 4 LIGHTING.
10. LOCATION OF MANUAL OVERRIDE FOR MEMORY CARE CONTROL ZONE 5 LIGHTING.
11. MOUNT FIXTURE TO COLUMN 8'-0" AFF.
12. MOUNT FIXTURE TO BUILDING 6'-0" AFF.
13. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTACTOR WITH (2)#10 & #10 GROUND WIRE IN A 3/4" CONDUIT. REFERENCE SHEET ILE5.2 FOR MORE INFORMATION.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/05/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA B
LIGHTING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
E1.2

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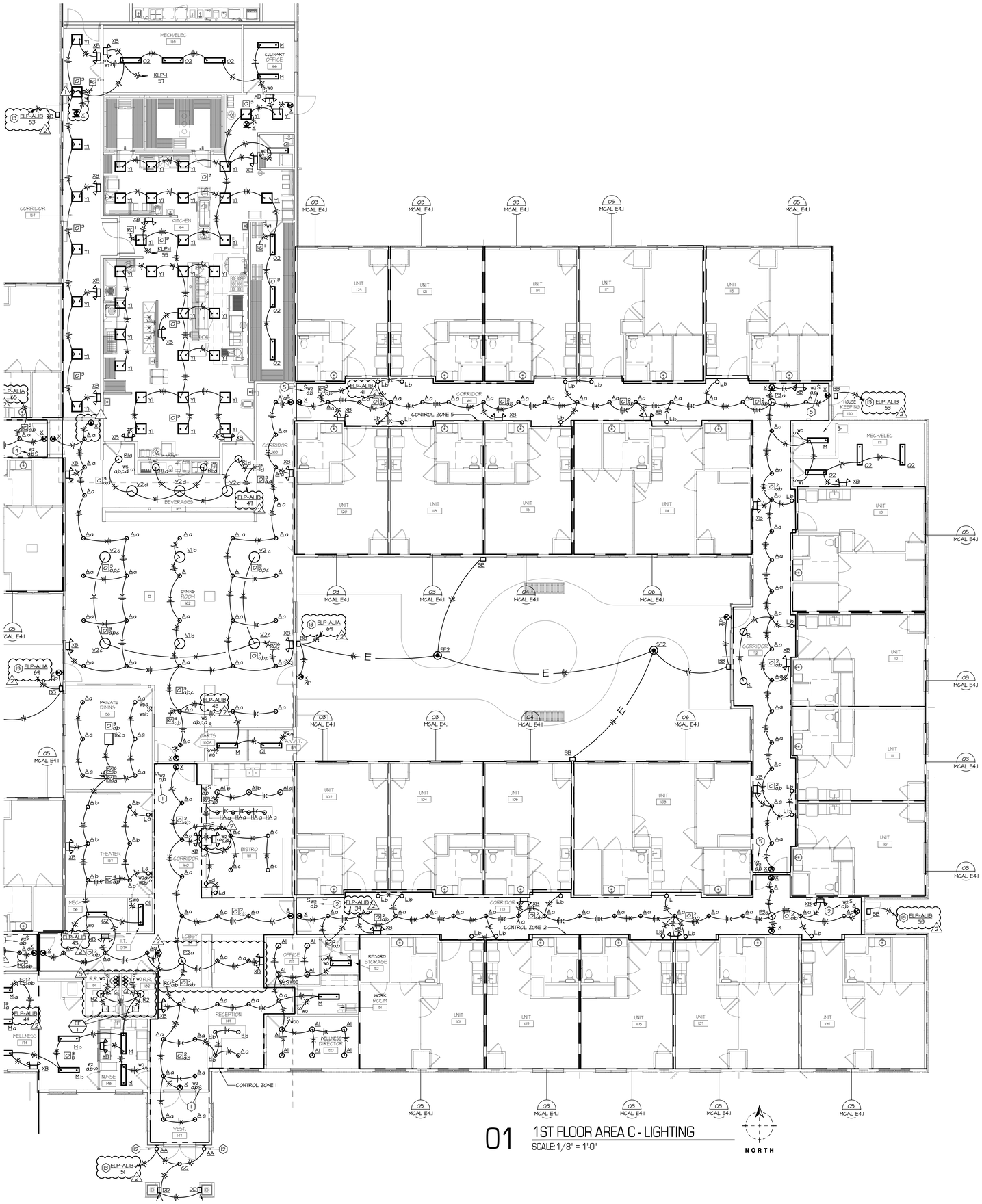


01 1ST FLOOR AREA C - LIGHTING

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

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.

D. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

E. PROVIDE SEPARATE NEUTRALS FOR DIMMING CIRCUITS.

F. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND LIGHTING IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

G. ALL LIGHTING CONTROL ROOM CONTROLLERS SHALL BE INSTALLED IN AN ACCESSIBLE AND CONCEALED LOCATION. PROVIDE ACCESS PANELS WHERE REQUIRED.

H. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

1 I. PROVIDE NEUTRAL TO ALL LINE VOLTAGE SWITCHES.

## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR ASSISTED LIVING CONTROL ZONE 1 LIGHTING.
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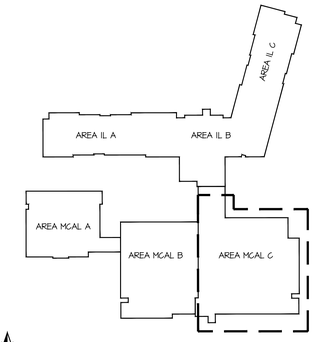


KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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STATE OF MISSOURI
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NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA C
LIGHTING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL E1.3

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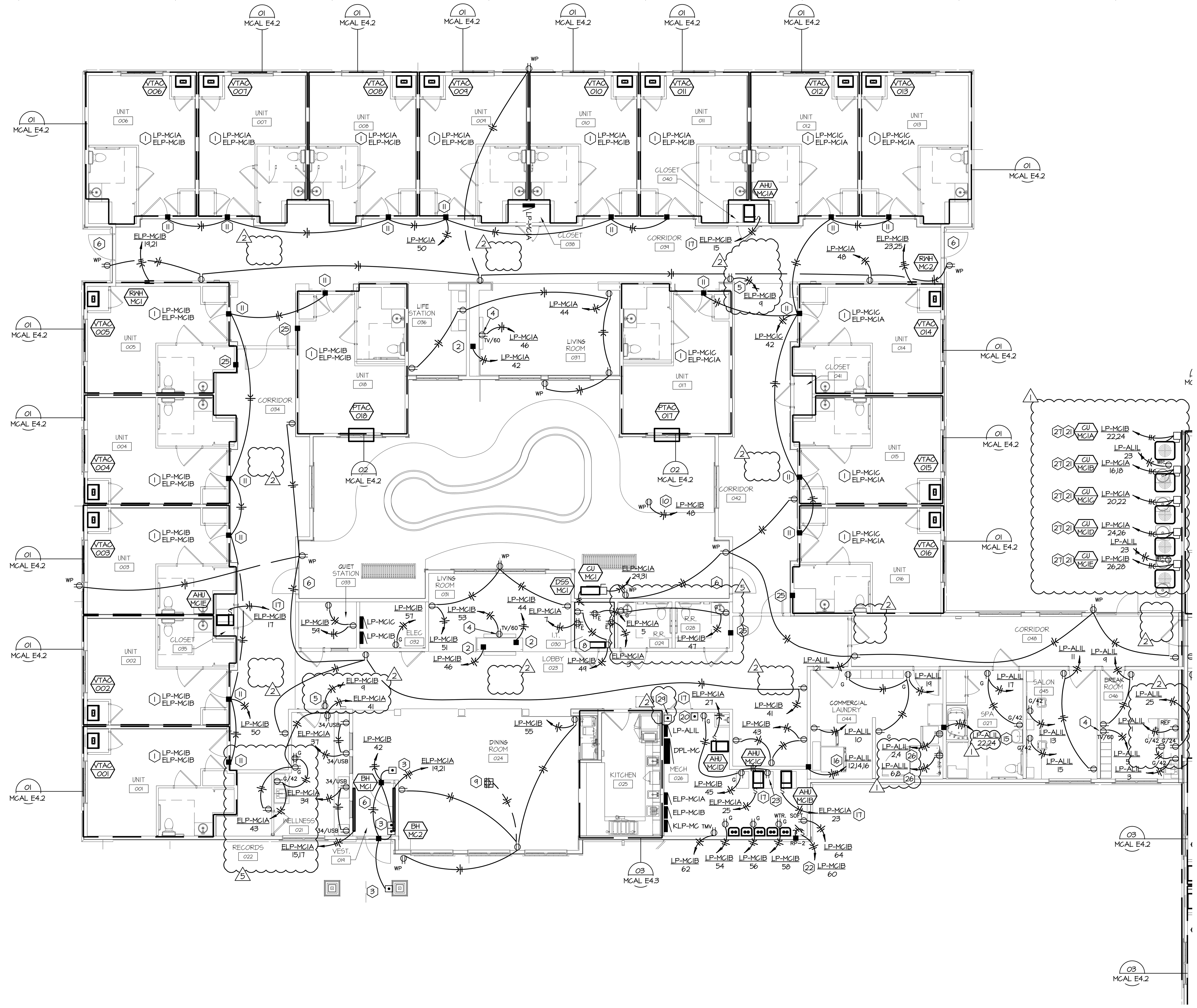
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020




# 01 1ST FLOOR AREA A - POWER

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.

K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.

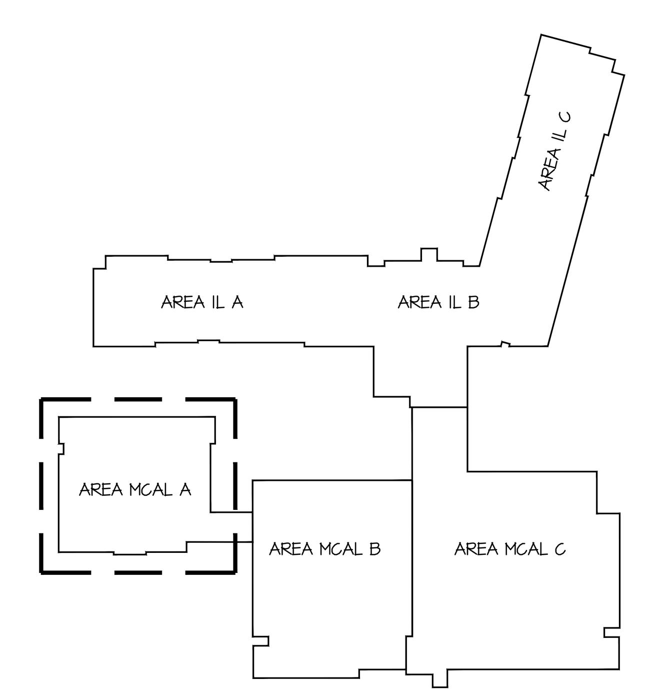
M. REFERENCE MECHANICAL SHEETS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPER UPON DETECTION OF SMOKE. CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

N. NOT ALL PLAN NOTES MAY BE USED ON EVERY SHEET.

O. INTERLOCK OUTSIDE AIR DAMPER CONNECTED TO FURNACE/AHU. DAMPER TO OPEN WHEN UNIT IS ENERGIZED AND CLOSE WHEN UNIT IS OFF.

## # PLAN NOTES:

1. ROUTE FEEDERS IN THIS ROOM TO DESIGNATED PANELBOARD(S). REFERENCE ASSOCIATED ENLARGED PLAN AND PANELBOARD SCHEDULE(S) FOR MORE INFORMATION.
2. PROVIDE POWER CONNECT TO ELECTRIC FIREPLACE. COORDINATE WITH EQUIPMENT MANUFACTURE FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.
3. PROVIDE 120 VOLT 20 AMP CIRCUIT FOR POWER OF ADA DOOR OPERATORS. PROVIDE JUNCTION BOX FOR ADA DOOR OPERATOR PUSHBUTTON. COORDINATE BOX HEIGHT WITH ARCHITECT. INTERLOCK WITH ACCESS CONTROL SYSTEM.
4. PROVIDE ARLINGTON #DVFR2W, 2-GANG, RECESSED FIRE-RATED JUNCTION BOX FOR TELEVISION DUPLEX RECEPTACLE AND LOW VOLTAGE OUTLETS.
5. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
6. PROVIDE ALL NECESSARY ROUGH-INS FOR ACCESS CONTROL FROM THE NEAREST CONTROLLER CLOSET. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE DRAWINGS.
7. COORDINATE EXACT LOCATION OF FITNESS EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING EQUIPMENT RECEPTACLES.
8. PROVIDE 15/32"x4' FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE 'T' DRAWINGS FOR ALL ELECTRICAL REQUIREMENTS. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. REFER TO SITE PLAN FOR UNDERGROUND CONDUITS TO ROOM.
9. FLOOR BOX SHALL BE HUBBELL 3SFBSS WITH 3SFBCGYA COVER AND TWO DUPLEX RECEPTACLES. COORDINATE FINAL COLOR AND FLOORING MATERIAL WITH ARCHITECT PRIOR TO ORDERING. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
10. PROVIDE PEDESTAL MOUNTED RECEPTACLE FOR FOUNTAIN PUMP. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
11. PROVIDE POWER AND DATA IN HUBBELL HBL985, 2-GANG, RECESSED WALL BOX. PROVIDE FIRE-STOPPING BEHIND BOX. MOUNT AT 60" AFF.
12. MASTER SHUT DOWN SWITCH FOR DEMO KITCHEN 175. ~~REFERENCE DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC~~ FOR MORE INFORMATION. COORDINATE SHUT-OFF LOCATION WITH OWNER PRIOR TO ROUGH-IN. LOCATION SHALL ONLY BE ACCESSIBLE BY STAFF.
13. PROVIDE ALL NECESSARY POWER CONNECTIONS TO CCTV SYSTEM. ~~COORDINATE EXACT LOCATIONS AND REQUIREMENTS~~ WITH LOW VOLTAGE DRAWINGS.
14. INSTALL RECEPTACLE ON SIDE OF CASEWORK. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATION WITH CASEWORK PROVIDER PRIOR TO INSTALLATION.
15. PROVIDE ELECTRICAL CONNECTION(S) TO TUB. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION.
16. PROVIDE ELECTRICAL CONNECTION TO COMMERCIAL WASHING MACHINE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION.
17. PROVIDE 20A/1P HUBBLE TOGGLE DISCONNECT SWITCH.
18. INDOOR UNIT POWERED TO OUTDOOR UNIT. SEE MECHANICAL SCHEDULE FOR REFERENCE.
19. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#12 & #12G IN 3/4"C.
20. PROVIDE CONTINUOUS CONTACT RED MUSHROOM SWITCH AND LABEL AS 'INSTANTEOUS WATER HEATER SHUTDOWN." INTERLOCK SWITCH WITH ALL WH RECEPTACLES SO CONTROL POWER IS REMOVED WHEN BUTTON IS PUSHED. COMPLETE INSTALLATION SHALL MEET THE REQUIREMENTS OF CSD-1. INSTALL BUTTON AT 66" AFF.
21. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10 & #10G IN 3/4"C.
22. PROVIDE 20A/1P HUBBLE TOGGLE DISCONNECT SWITCH FOR RECIRCULATION PUMP. CIRCUIT THROUGH AQUASTAT. PROVIDE REQUIRED ELECTRICAL CONTROLS CONNECTIONS TO ASSOCIATED INSTANTEOUS WATER HEATER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
23. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
24. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR SMOKE & FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
25. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC ~~DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT~~ NUMBER.
26. MAKE ELECTRICAL CONNECTION WITH (3) #10 & #10G IN 3/4" C.
27. CONDENSING UNIT DISCONNECTS SHALL BE MOUNTED TO MEET NEC REQUIREMENTS AT A HEIGHT JUST ABOVE HEIGHT OF CONDENSING UNIT.
28. ~~PROVIDE KEYED SWITCH FOR GARBAGE DISPOSAL.~~
29. MASTER SHUT DOWN SWITCH FOR KITCHEN 025. REFERENCE MC KITCHEN 025 APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION. COORDINATE SHUT-OFF LOCATION WITH OWNER PRIOR TO ROUGH-IN. LOCATION SHALL ONLY BE ACCESSIBLE BY STAFF.
30. PROVIDE 120V, SPRING WOUND, INTERVAL TIMER SWITCH CAPABLE OF A MAXIMUM OF 120 MINUTES. REFERENCE MC KITCHEN 025 APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION.




NORTH

KEY PLAN

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER
8/10/19

FIRST FLOOR PLAN AREA A POWER MEMORY CARE ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL E2.1

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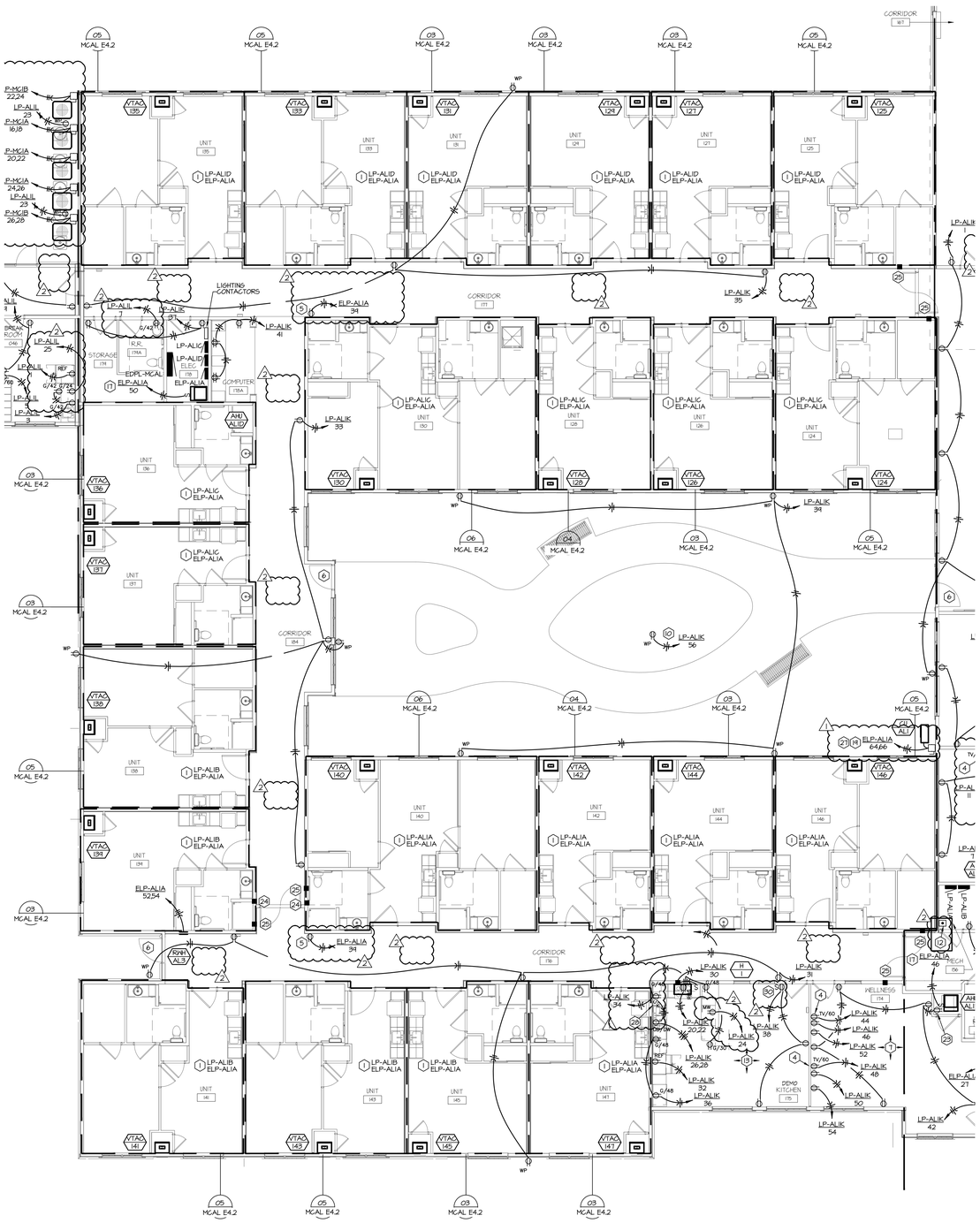


RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/06/19

SWD ARCHITECTS
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PROFESSIONAL ENGINEER
8/10/19

FIRST FLOOR
PLAN AREA B
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ISSUE DATE:
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MCAL E2.2

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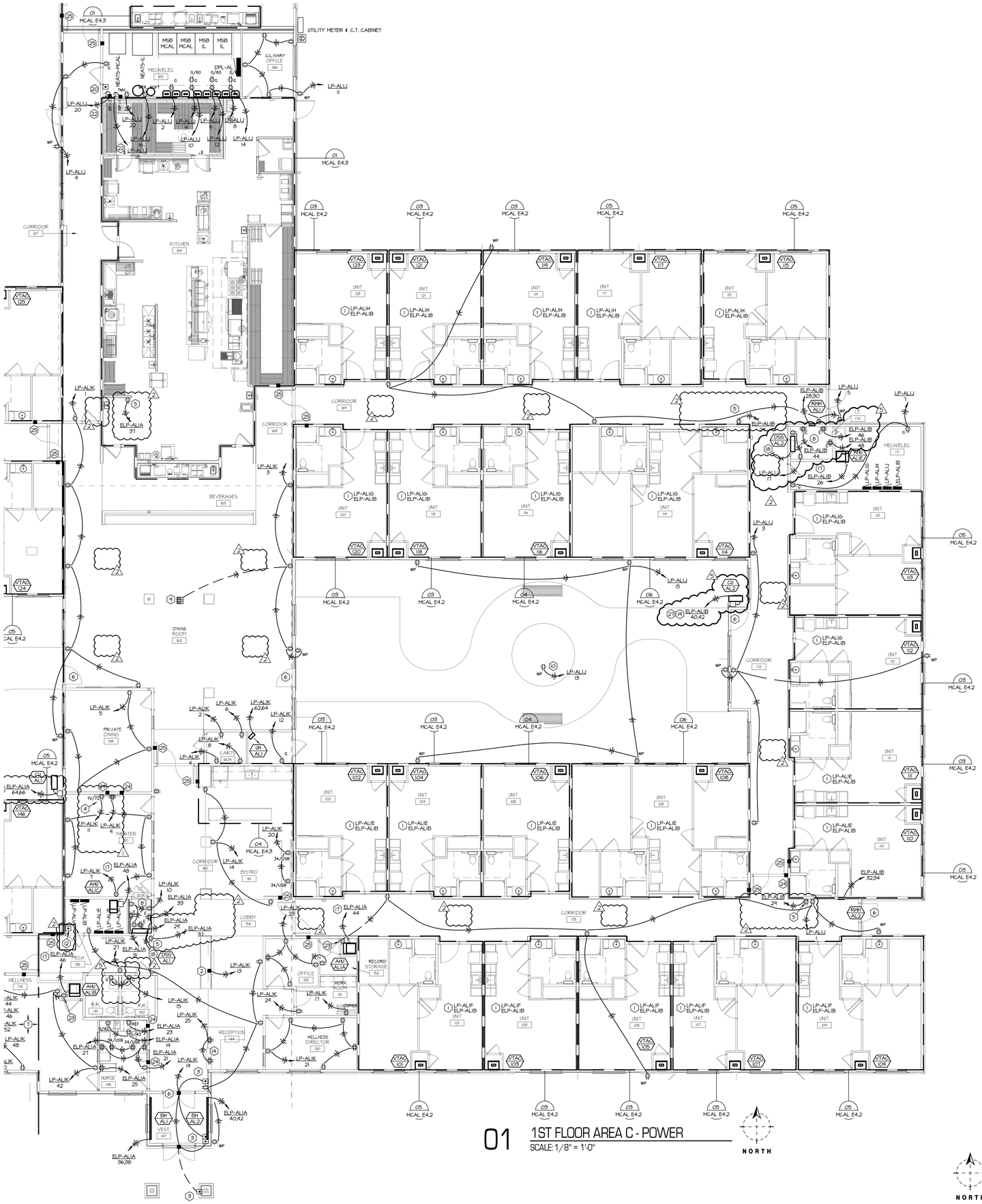
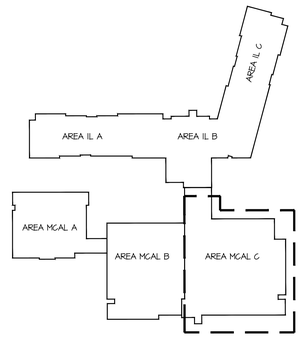



## 01 1ST FLOOR AREA C - POWER

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

NORTH

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F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

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K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.

M. REFERENCE MECHANICAL SHEETS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPER UPON DETECTION OF SMOKE. CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

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4. PROVIDE ARLINGTON #DVFR2W, 2-GANG, RECESSED FIRE-RATED JUNCTION BOX FOR TELEVISION DUPLEX RECEPTACLE AND LOW VOLTAGE OUTLETS.
2 5. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
6. PROVIDE ALL NECESSARY ROUGH-INS FOR ACCESS CONTROL FROM THE NEAREST CONTROLLER CLOSET. COORDINATE EXACT REQUIREMENTS WITH LOW VOLTAGE DRAWINGS.
7. COORDINATE EXACT LOCATION OF FITNESS EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING EQUIPMENT RECEPTACLES.
2 8. PROVIDE 15/32"x4' FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE 'T' DRAWING FOR ALL ELECTRICAL REQUIREMENTS. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. REFER TO PLAN FOR UNDERGROUND CONDUITS TO ROOM.
9. FLOOR BOX SHALL BE HUBBELL S3FB20 WITH S0FBCGTA COVER AND TWO DUPLEX RECEPTACLES. COORDINATE FINAL COLOR AND FLOORING MATERIAL WITH ARCHITECT PRIOR TO ORDERING. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
10. PROVIDE PEDESTAL MOUNTED RECEPTACLE FOR FOUNTAIN PUMP. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
11. PROVIDE POWER AND DATA IN HUBBELL HBL485, 2-GANG, RECESSED WALL BOX. PROVIDE FIRE-STOPPING BEHIND BOX. MOUNT AT 60" AFF.
2 12. MASTER SHUT DOWN SWITCH FOR DEMO KITCHEN 175. ~~REFERENCE DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC~~ FOR MORE INFORMATION. COORDINATE SHUT-OFF LOCATION WITH OWNER PRIOR TO ROUGH-IN. LOCATION SHALL ONLY BE ACCESSIBLE BY STAFF.
13. PROVIDE ALL NECESSARY POWER CONNECTIONS TO CCTV SYSTEM. COORDINATE EXACT LOADING AND REQUIREMENTS WITH LOW VOLTAGE DRAWINGS.
14. INSTALL RECEPTACLE ON SIDE OF CASEWORK. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATION WITH CASEWORK PROVIDER PRIOR TO INSTALLATION.
15. PROVIDE ELECTRICAL CONNECTION(S) TO TUB. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION.
16. PROVIDE ELECTRICAL CONNECTION TO COMMERCIAL WASHING MACHINE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION.
17. PROVIDE 20A/1P HUBBELL TOGGLE DISCONNECT SWITCH.
18. INDOOR UNIT POWERED TO OUTDOOR UNIT. SEE MECHANICAL SCHEDULE FOR REFERENCE.
19. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#2 & #12G IN 3/4"C.
20. PROVIDE CONTINUOUS CONTACT RED MUSHROOM SWITCH AND LABEL AS 'INSTANTEOUS WATER HEATER SHUTDOWN.' INTERLOCK SWITCH WITH ALL WH RECEPTACLES SO CONTROL POWER IS REMOVED WHEN BUTTON IS PUSHED. COMPLETE INSTALLATION SHALL MEET THE REQUIREMENTS OF CSD-1. INSTALL BUTTON AT 66" AFF.
21. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10 & #10G IN 3/4"C.
22. PROVIDE 20A/1P HUBBELL TOGGLE DISCONNECT SWITCH FOR RECIRCULATION PUMP. CIRCUIT THROUGH AQUASTAT. PROVIDE REQUIRED ELECTRICAL CONTROLS CONNECTIONS TO ASSOCIATED INSTANTEOUS WATER HEATER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
23. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
24. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR SMOKE & FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
25. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDER. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
1 26. MAKE ELECTRICAL CONNECTION WITH (3) #10 & #10G IN 3/4" C.
27. CONDENSING UNIT DISCONNECTS SHALL BE MOUNTED TO MEET NEC REQUIREMENTS AT A HEIGHT JUST ABOVE HEIGHT OF CONDENSING UNIT.
28. ~~ESCALATOR/LIFT/STAIR EGRESS/GARBAGE DISPOSAL~~
29. MASTER SHUT DOWN SWITCH FOR KITCHEN 0225. REFERENCE MC KITCHEN 0225 APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION. COORDINATE SHUT-OFF LOCATION WITH OWNER PRIOR TO ROUGH-IN. LOCATION SHALL ONLY BE ACCESSIBLE BY STAFF.
30. PROVIDE 120V, SPRING WOUND, INTERVAL TIMER SWITCH CAPABLE OF A MAXIMUM OF 120 MINUTES. REFERENCE MC KITCHEN 0225 APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/30/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1699 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA C
POWER
MEMORY CARE
ASSISTED LIVING
ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL E2.3

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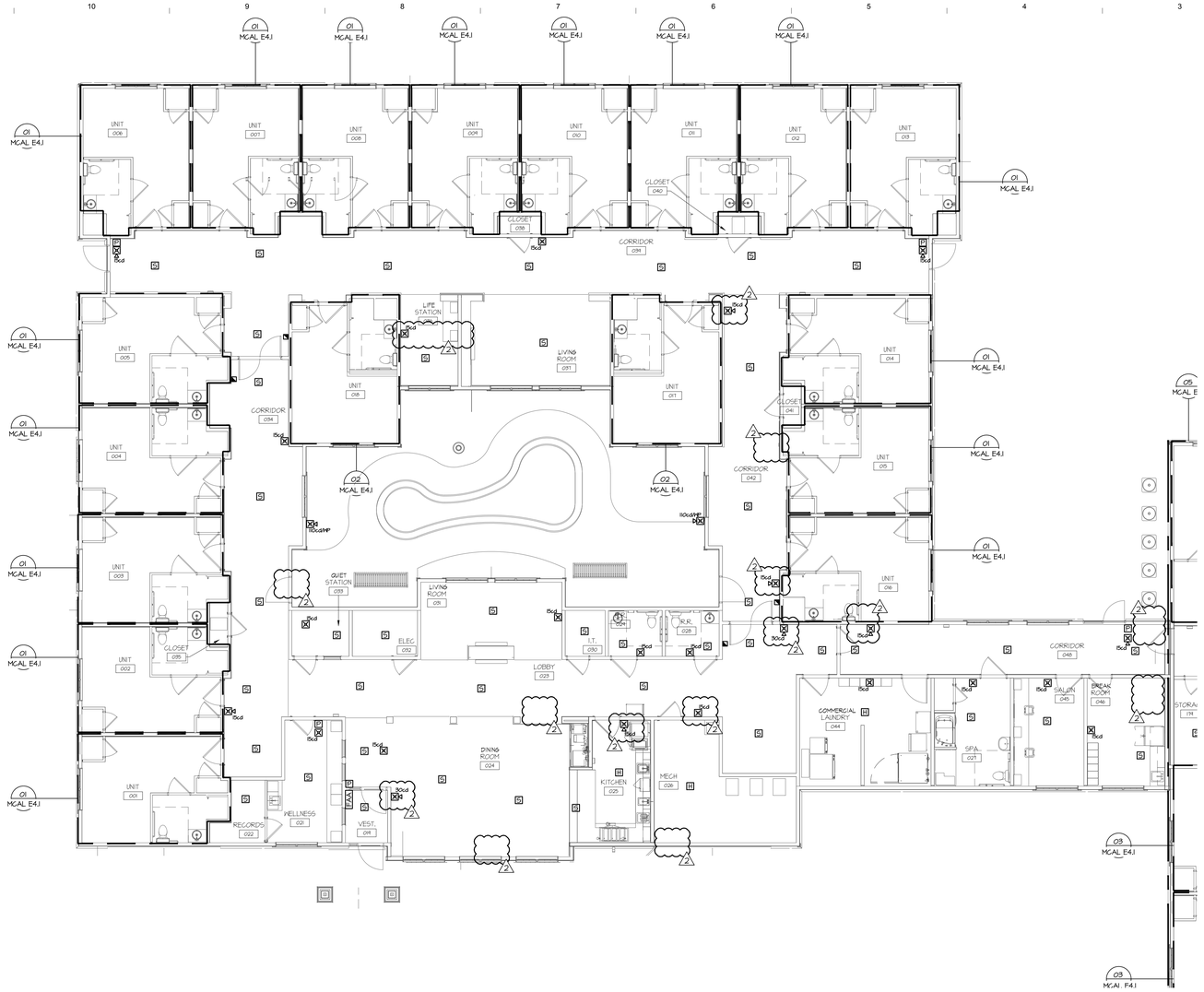



01 1ST FLOOR AREA A - SPECIAL SYSTEMS

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.

K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

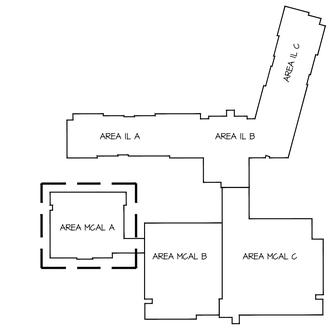
L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

M. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

N. NOT ALL PLAN NOTES ARE USED ON EACH SHEET.

## PLAN NOTES:

1. PROVIDE JUNCTION BOX AND ¾" CONDUIT TO MANUAL PULL STATION. ELECTRICAL CONTRACTOR TO INSTALL, EQUIPMENT PROVIDED BY OTHERS. PULL STATION SHALL BE CONNECTED TO KITCHEN RANGE HOOD AND SHALL ACTIVATE HOOD FIRE SUPPRESSION SYSTEM.
2. PROVIDE FIRE ALARM SYSTEM PULL STATION AND INTERCONNECT WITH KITCHEN EXHAUST HOOD CONTROL PANEL. REFERENCE KITCHEN DRAWINGS FOR MORE INFORMATION.
3. INTERCONNECT KITCHEN EXHAUST HOOD CONTROL PANEL WITH EXISTING BUILDING FIRE ALARM SYSTEM. EXISTING FIRE ALARM SYSTEM SHALL GO INTO ALARM WHEN FIRE IS DETECTED AT THE KITCHEN EXHAUST HOOD CONTROL PANEL.
4. PROVIDE EXTERIOR, BUILDING MOUNTED, WEATHER PROOF COMBINATION AUDIBLE/VISUAL ALARM FOR FIRE DEPARTMENT NOTIFICATION NEAR SIAMESE CONNECTION. COORDINATE EXACT LOCATION WITH FIRE DEPARTMENT.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

FIRST FLOOR
PLAN AREA A
SPECIAL SYSTEMS
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
5. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL E3.1

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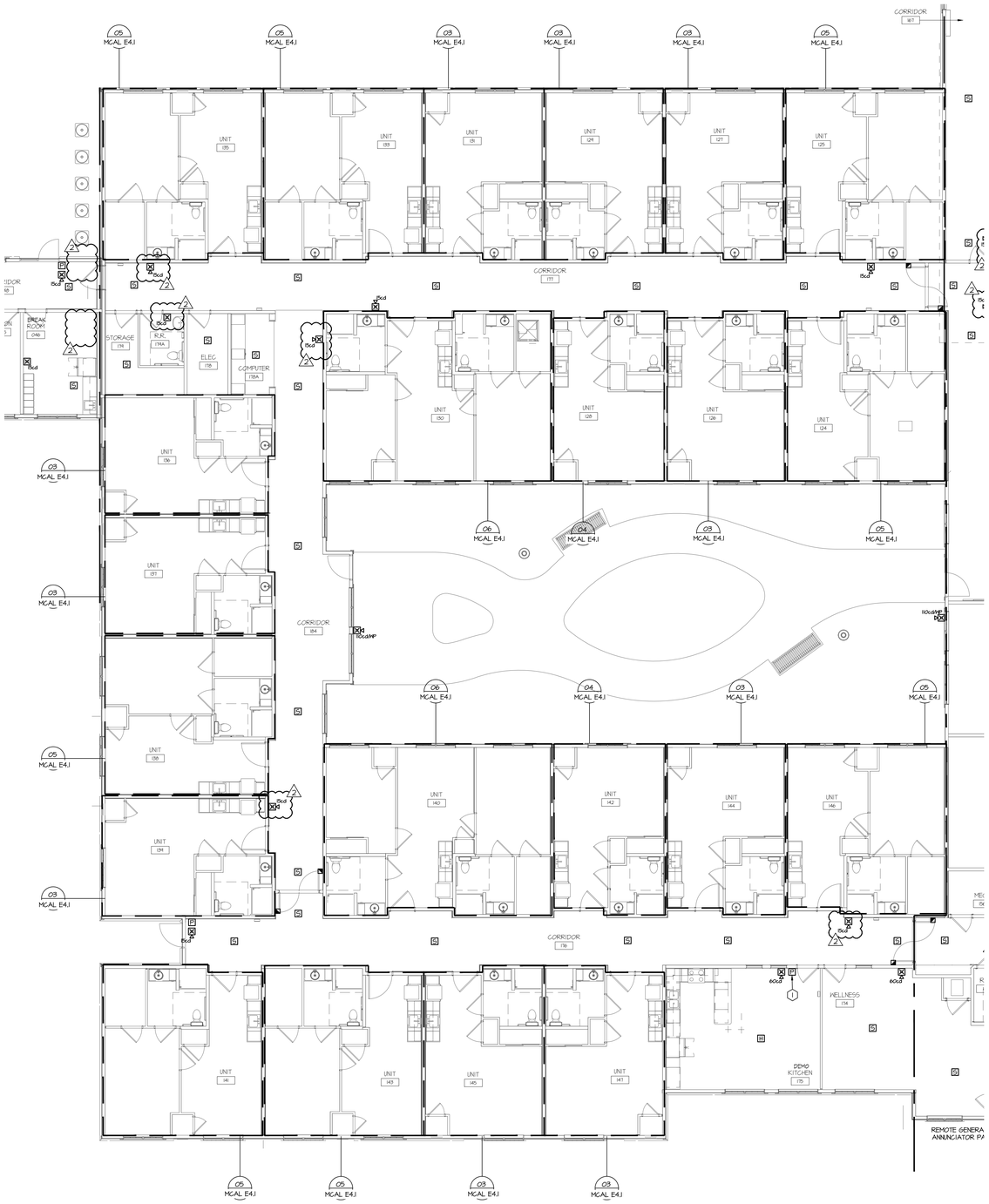


01 1ST FLOOR AREA B - SPECIAL SYSTEMS

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

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K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

M. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

N. NOT ALL PLAN NOTES ARE USED ON EACH SHEET.

## PLAN NOTES:

1. PROVIDE JUNCTION BOX AND 3/4" CONDUIT TO MANUAL PULL STATION. ELECTRICAL CONTRACTOR TO INSTALL, EQUIPMENT PROVIDED BY OTHERS. PULL STATION SHALL BE CONNECTED TO KITCHEN RANGE HOOD AND SHALL ACTIVATE HOOD FIRE SUPPRESSION SYSTEM.
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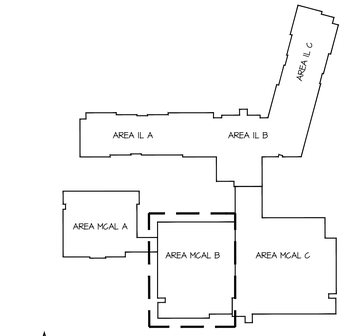


NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

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1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA B
SPECIAL SYSTEMS
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
E3.2

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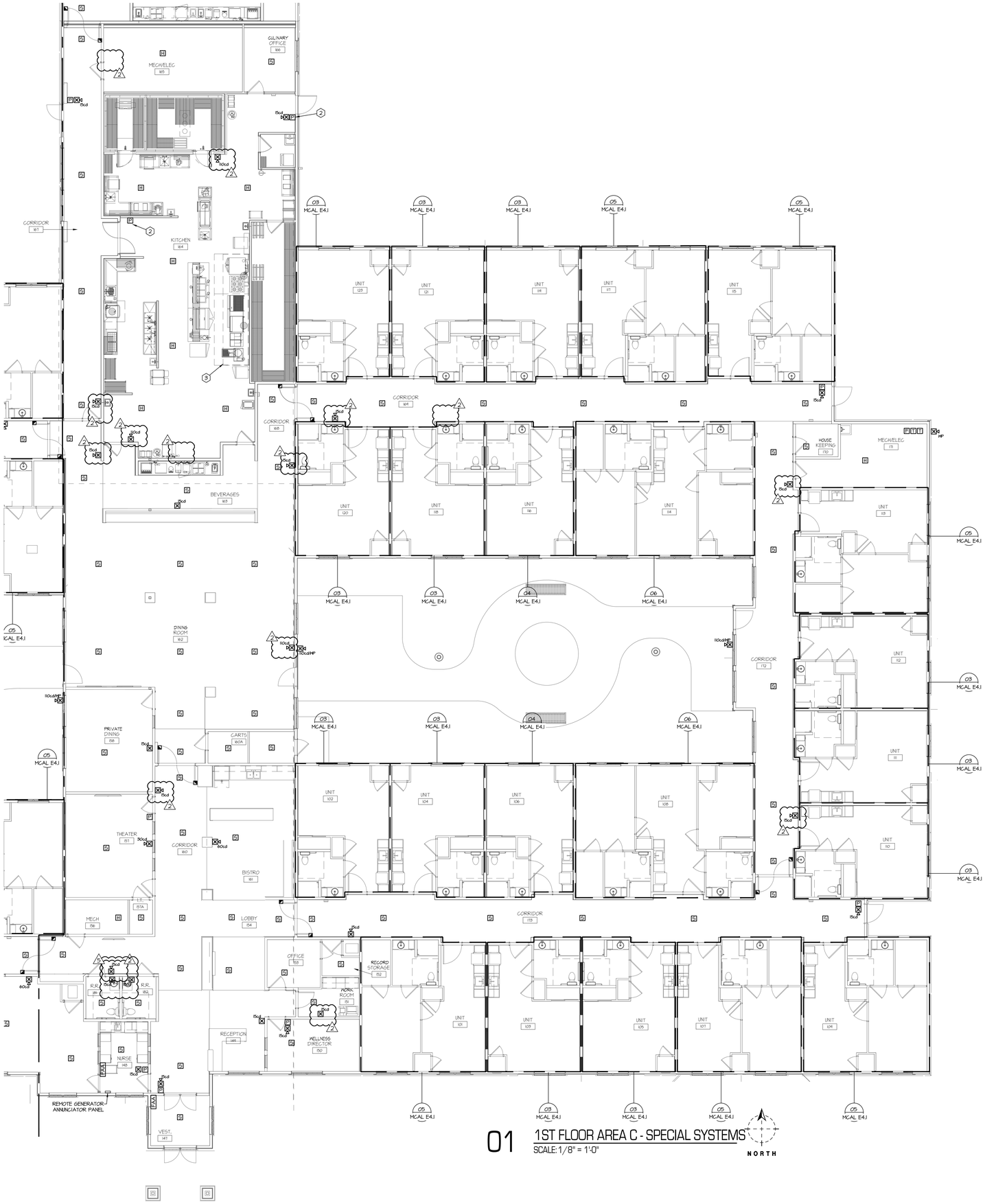


01 1ST FLOOR AREA C - SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"

NORTH

## GENERAL NOTES:

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F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

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L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

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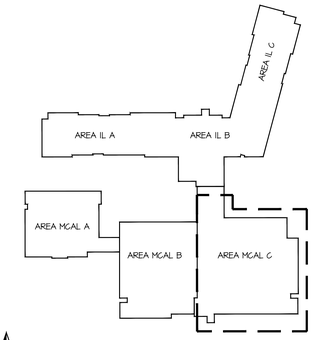


NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
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STATE OF MISSOURI
CASEY JOHN STEINER
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NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA C
SPECIAL SYSTEMS
MEMORY CARE
ASSISTED LIVING
ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL E3.3

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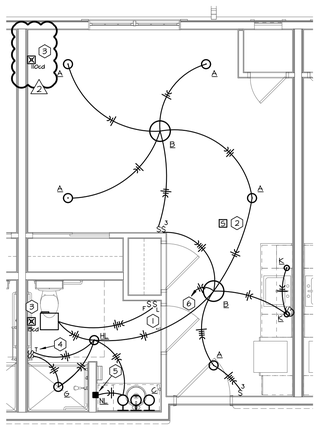
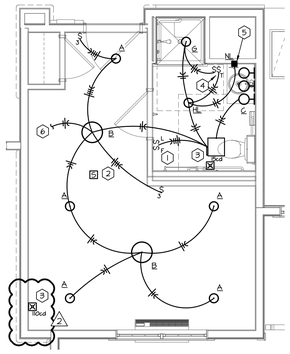
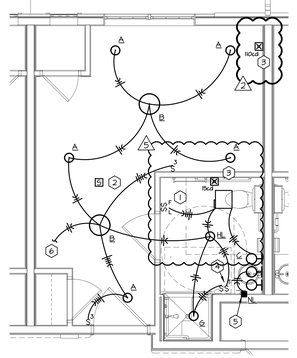


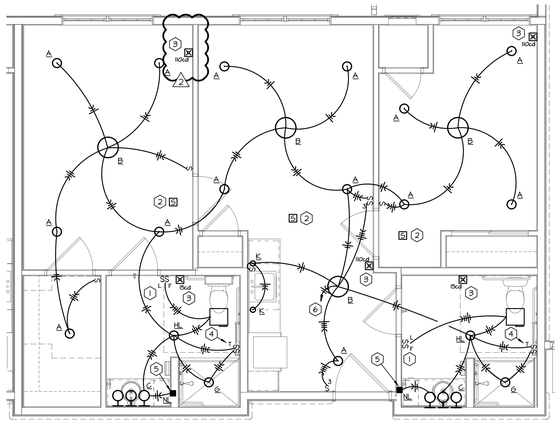
03 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"



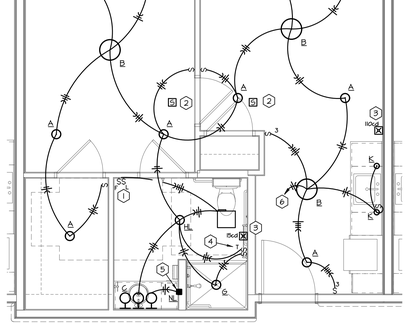
02 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"



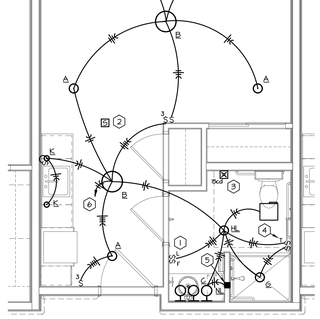
01 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
MC UNIT TYPE A
SCALE: 1/4" = 1'-0"



06 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
AL UNIT TYPE F
SCALE: 1/4" = 1'-0"



05 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
AL UNIT TYPE E
SCALE: 1/4" = 1'-0"



04 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.

K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

L. REFERENCE MECHANICAL SHEETS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S). CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

M. REFERENCE MECHANICAL PLANS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS FROM CIRCUIT ONLY SERVING SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE SMOKE DAMPERS UPON SMOKE DETECTION.

N. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

O. REFERENCE TELECOMMUNICATION 'TS' SHEETS AND PROVIDE ALL REQUIRED ELECTRICAL WORK INCLUDING BUT NOT LIMITED TO: DEVICES, JUNCTION BOX ROUGH-INS, CONDUITS, CONDUIT SLEEVES, ETC. VERIFY ALL QUANTITIES AND LOCATIONS PRIOR TO INSTALLATION.

## PLAN NOTES:

1. PROVIDE SWITCH FOR OVERHEAD LIGHT/VANITY LIGHT AND A SEPARATE SWITCH FOR EXHAUST FAN.
2. PROVIDE ADDRESSABLE SMOKE DETECTOR DETECTOR WITH LOW FREQUENCY SOUNDER BASE.
3. PROVIDE FIRE ALARM VISUAL DEVICE IN EACH ADA UNIT. PROVIDE PROVISIONS TO ADD A FIRE ALARM VISUAL DEVICE IN ALL OTHER UNITS IN THIS LOCATION.
4. PROVIDE PUSH BUTTON TIMER FOR HEAT LAMP SET AT 10 MINUTES.
5. PROVIDE 2-GANG JUNCTION BOX TO HOUSE BOTH NIGHT LIGHT AND GFCI RECEPTACLE.
6. SEE ASSOCIATED UNIT PANEL FOR LIGHTING CIRCUIT.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

ENLARGED PLANS
LIGHTING/
SPECIAL SYSTEMS
MEMORY CARE ASSISTED
LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
E4.1

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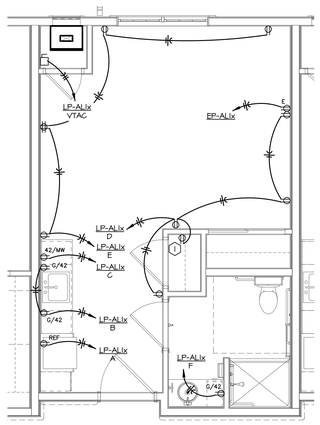
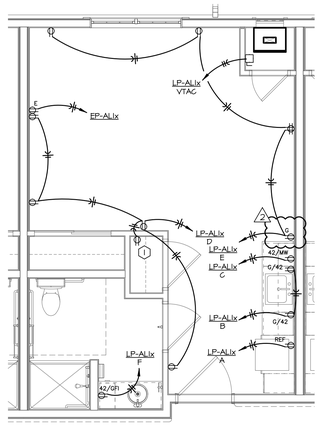
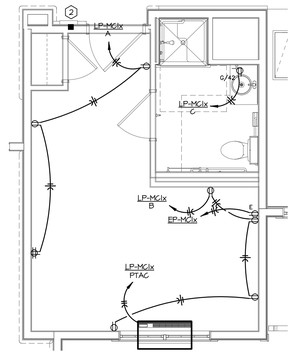


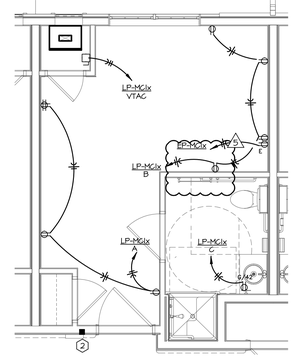

04 ENLARGED PLAN POWER
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"



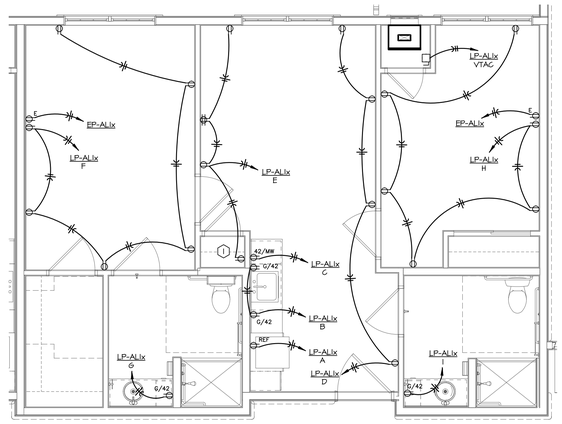

03 ENLARGED PLAN POWER
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"



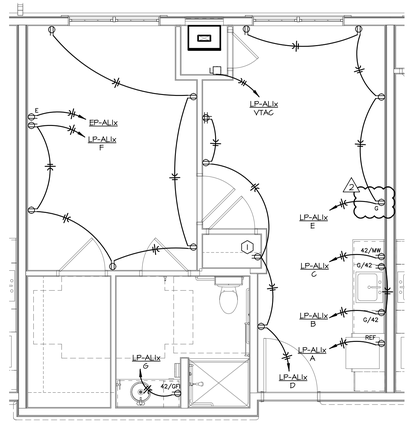

02 ENLARGED PLAN POWER
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN POWER
MC UNIT TYPE A
SCALE: 1/4" = 1'-0"




06 ENLARGED PLAN POWER
AL UNIT TYPE F
SCALE: 1/4" = 1'-0"




05 ENLARGED PLAN POWER
AL UNIT TYPE E
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

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B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

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K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

L. REFERENCE MECHANICAL SHEETS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S). CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

M. REFERENCE MECHANICAL PLANS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS. FROM CIRCUIT ONLY SERVING SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE SMOKE DAMPERS UPON SMOKE DETECTION.

N. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

O. REFERENCE TELECOMMUNICATION 'TS' SHEETS AND PROVIDE ALL REQUIRED ELECTRICAL WORK INCLUDING BUT NOT LIMITED TO: DEVICES, JUNCTION BOX ROUGH-INS, CONDUITS, CONDUIT SLEEVES, ETC. VERIFY ALL QUANTITIES AND LOCATIONS PRIOR TO INSTALLATION.

## ⬡ PLAN NOTES:

1. PROVIDE RECEPTACLE ABOVE CLOSET SHELF FOR TENANT MODEM/ROUTER PROVIDED BY OTHERS.
2. PROVIDE POWER AND DATA IN HUBBELL HBL485, 2-GANG, RECESSED WALL BOX. PROVIDE FIRE-STOPPING BEHIND BOX. MOUNT AT 60" AFF.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

ENLARGED PLANS
POWER
MEMORY CARE ASSISTED
LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
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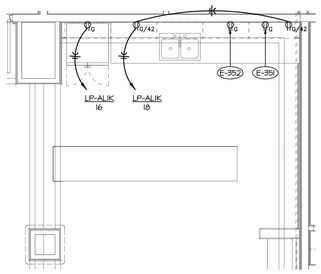
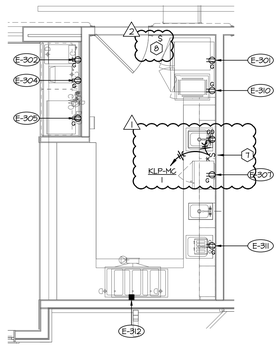
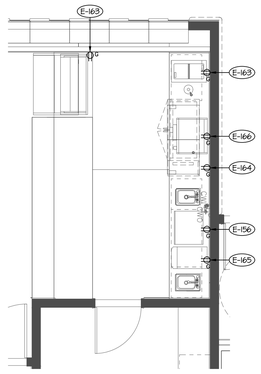


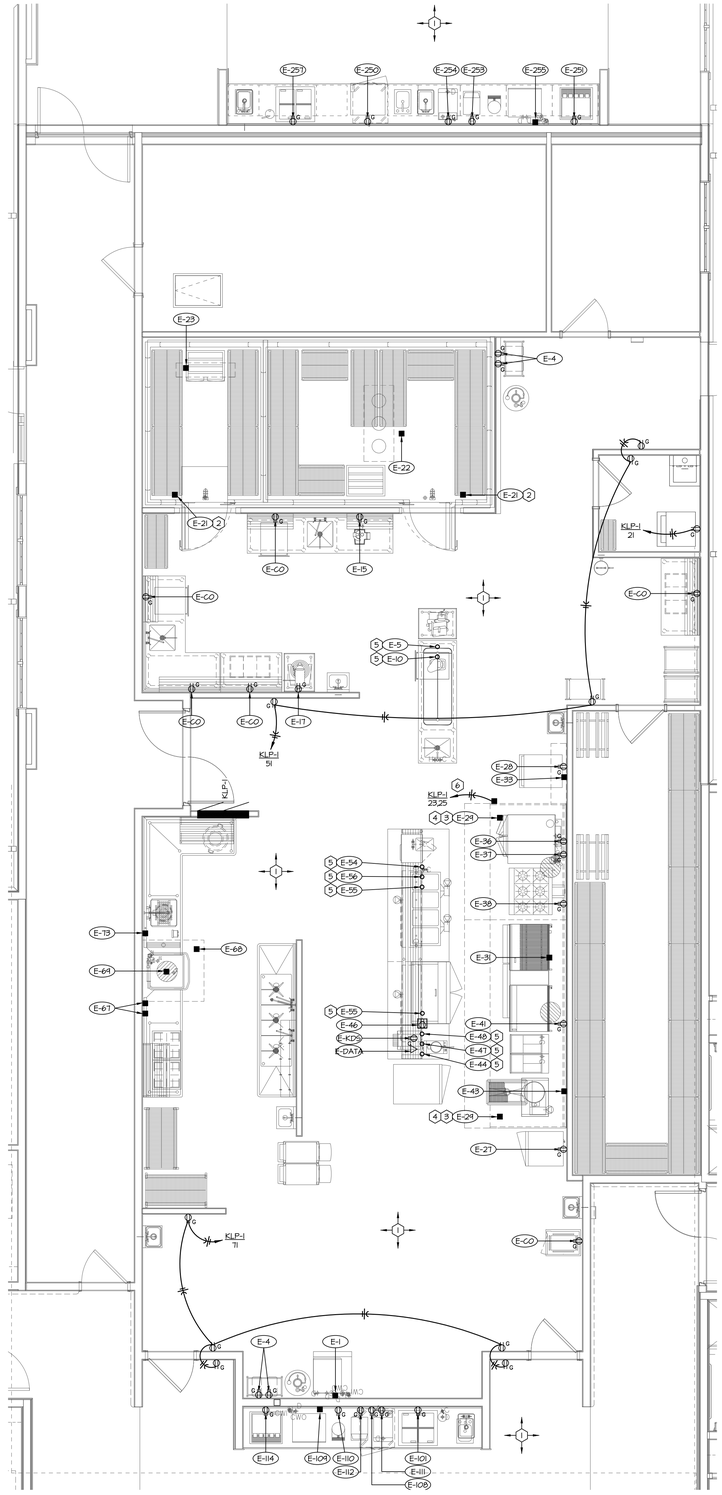

04 ENLARGED PLAN POWER/SPECIAL SYSTEMS - AL BISTRO
SCALE: 1/4" = 1'-0"




03 ENLARGED PLAN POWER/SPECIAL SYSTEMS - MC KITCHEN
SCALE: 1/4" = 1'-0"




02 ENLARGED PLAN POWER/SPECIAL SYSTEMS - IL BISTRO
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN POWER/SPECIAL SYSTEMS - KITCHEN
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

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B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

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K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

L. [FOR POWER PLANS WITH SMOKE DAMPERS] REFERENCE MECHANICAL SHEETS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S). CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

M. [FOR SPEGIAL SYSTEM & POWER PLANS WITH SMOKE DAMPERS] REFERENCE MECHANICAL PLANS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS FROM CIRCUIT ONLY SERVING SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE SMOKE DAMPERS UPON SMOKE DETECTION.

N. [FOR SPEGIAL SYSTEM PLANS] PROVIDE DUCT SMOKE DETECTORS IN RETURN AND SUPPLY AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

## PLAN NOTES:

1. ELECTRICAL CONNECTIONS - REFER TO KITCHEN ELECTRICAL EQUIPMENT SCHEDULE ON SHEET E.E6.3 FOR MORE INFORMATION.
2. ELECTRICAL CONTRACTOR TO RUN CIRCUITS TO THE COOLER CONDENSER DISCONNECT THEN FIVE (5) #12 TRAVELER WIRES TO THE UNIT COOLER FROM THERE. A SEPARATE 115V LIGHT CIRCUIT IS REQUIRED. A RAIN TIGHT DUPLEX RECEPTACLE SHOULD BE MOUNTED ON THE WALL BEHIND THE FREEZER EVAP. COIL FOR DRAIN HEAT TRACE TO PLUG INTO.
3. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WHIPS FOR THE HOOD LIGHTING CIRCUIT FROM HOOD TO HOOD.
4. ELECTRICAL CONTRACTOR TO BRING CIRCUITS TO THE HOOD CONTROL BOX WITH BRANCH CIRCUITS OUT TO THE FANS AND FIRE SUPPRESSION SYSTEM.
5. PROVIDE FEEDER FOR KITCHEN EQUIPMENT IN-SLAB AND STUB-UP AS SHOWN. MAKE ELECTRICAL CONNECTION TO ASSOCIATED EQUIPMENT AND/OR RECEPTACLE IN SERVING COUNTER.
6. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. PANEL TO SHUT DOWN CIRCUIT UPON ACTIVATION OF ANSUL SYSTEM. PROVIDE KEYED SWITCH FOR GARBAGE DISPOSAL. PROVIDE TIMED SWITCH FOR INTERVAL TYPE SWITCH CAPABLE OF A MAXIMUM OF 120 MINUTES. REFERENCE MC KITCHEN CDS APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED KITCHEN PLAN LIGHTING/
SPECIAL SYSTEMS & POWER
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
E4.3

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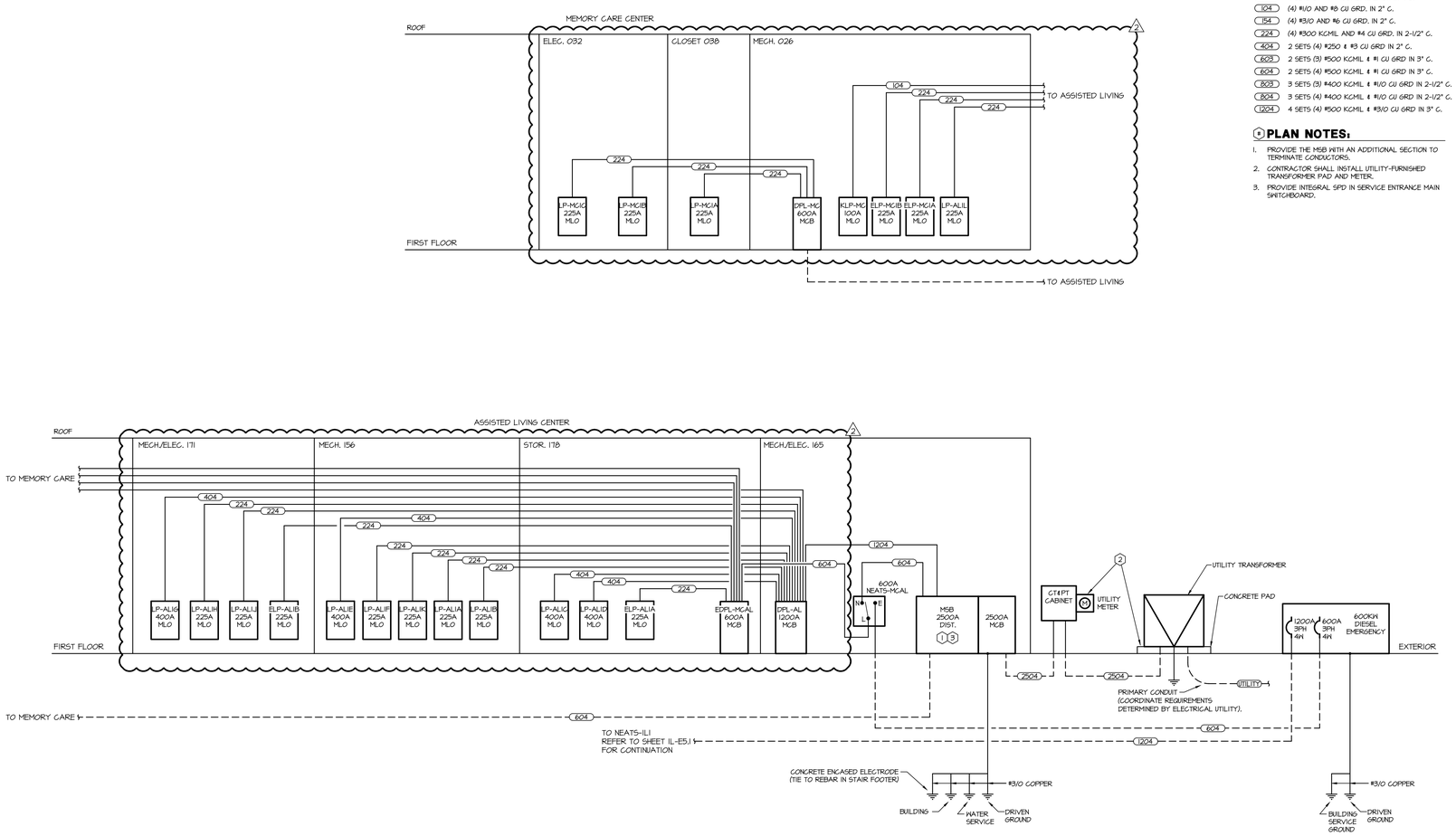


1 ELECTRICAL POWER RISER DIAGRAM

SCALE: NOT TO SCALE

## FEEDER SCHEDULE:

ALL SIZES LISTED BELOW ARE FOR STABILOY ALUMINUM ALLOY CONDUCTORS:

- UTILITY — PROVIDE (2) 4" EMPTY PRIMARY UTILITY CONDUITS
- 2504 — 7 SETS OF (4) #750KCMIL EACH IN 4"C.
- 104 — (4) #1/0 AND #6 CU GRD. IN 2" C.
- 154 — (4) #3/0 AND #6 CU GRD. IN 2" C.
- 224 — (4) #300 KCMIL AND #4 CU GRD. IN 2-1/2" C.
- 404 — 2 SETS (4) #250 & #3 CU GRD IN 2" C.
- 603 — 2 SETS (3) #500 KCMIL & #1 CU GRD IN 3" C.
- 604 — 2 SETS (4) #500 KCMIL & #1 CU GRD IN 3" C.
- 803 — 3 SETS (3) #400 KCMIL & #1/0 CU GRD IN 2-1/2" C.
- 804 — 3 SETS (4) #400 KCMIL & #1/0 CU GRD IN 2-1/2" C.
- 1204 — 4 SETS (4) #500 KCMIL & #3/0 CU GRD IN 3" C.

## PLAN NOTES:

1. PROVIDE THE MSB WITH AN ADDITIONAL SECTION TO TERMINATE CONDUCTORS.
2. CONTRACTOR SHALL INSTALL UTILITY-FURNISHED TRANSFORMER PAD AND METER.
3. PROVIDE INTEGRAL SPD IN SERVICE ENTRANCE MAIN SWITCHBOARD.

RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
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08/09/19

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8/10/19

MCAL BUILDING
ELECTRICAL DETAILS

ISSUE DATE:
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REVISIONS:
1 ADDENDUM #1 - 6/5/2019
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E5.1

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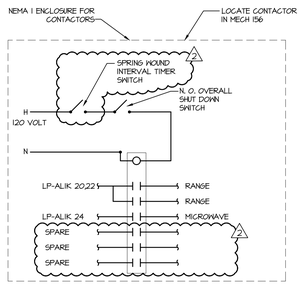
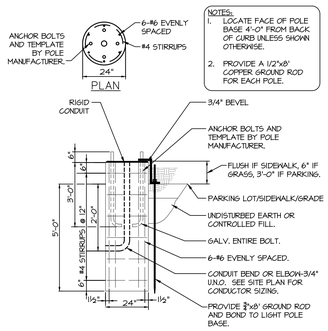


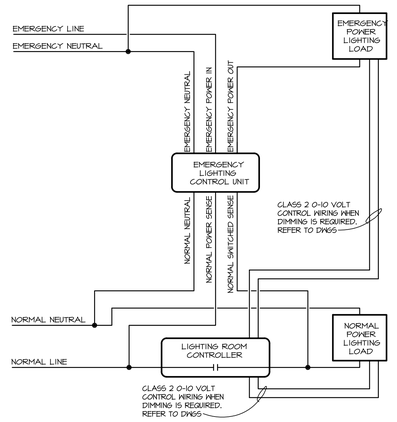

## 8 DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC

SCALE: NOT TO SCALE



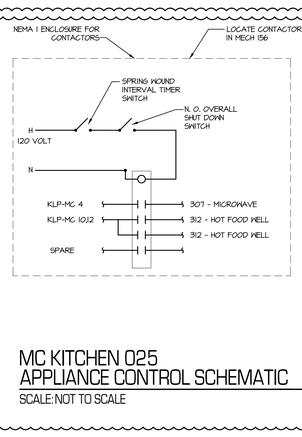

## 5 POLE BASE DETAIL

SCALE: NOT TO SCALE



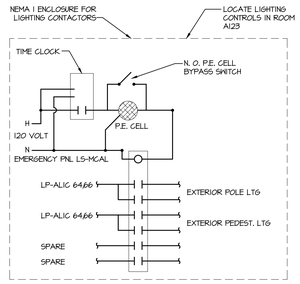

## 1 TYPICAL 1-RELAY WITH EMERGENCY LIGHTING CONTROL DIAGRAM

SCALE: NOT TO SCALE




## 9 MC KITCHEN 025 APPLIANCE CONTROL SCHEMATIC

SCALE: NOT TO SCALE



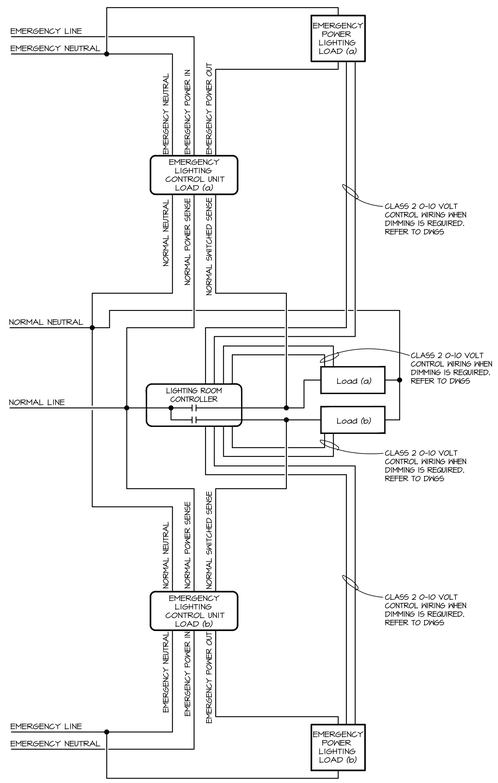

## 6 EXTERIOR POLE LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



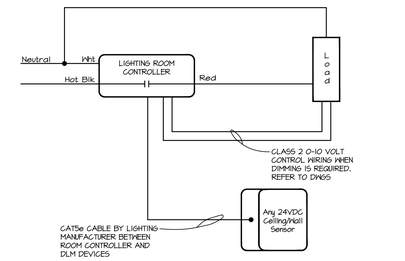

## 7 EXTERIOR BUILDING MOUNTED LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



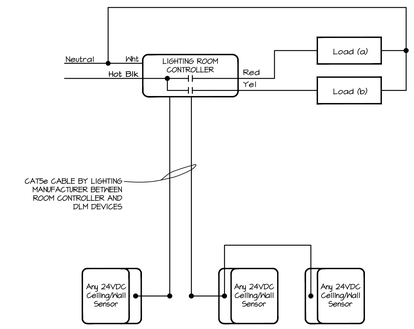

## 4 EMERGENCY LIGHTING CONTROL UNIT 24V 2-RELAY WIRING DIAGRAM

SCALE: NOT TO SCALE




## 2 CEILING MOUNTED OCCUPANCY SENSOR 24V WIRING DIAGRAM

SCALE: NOT TO SCALE




## 3 CEILING MOUNTED OCCUPANCY SENSOR 24V MULTIPLE SENSORS WIRING DIAGRAM

SCALE: NOT TO SCALE

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/20/19

SWD ARCHITECTS EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER

8/10/19

MCAL BUILDING ELECTRICAL DETAILS

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL E5.2

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020

## MSB

DESCRIPTION: 2500AMP MAIN CIRCUIT BREAKER — 65 KAIC
208/120V, 3PH, 4 WIRE — CONNECTED LOAD: 3,207 AMPS 1,154,575 WATTS
SURFACE MOUNTING — DEMAND LOAD: 1,468 AMPS 528,489 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | NEATS-MCAL | 3 | 600 | SEE RISER | 146,452 | 407 | 104,439 | 290 |
| 2 | DPL-AL | 3 | 1200 | SEE RISER | 885,020 | 2458 | 295,783 | 822 |
| 3 | DPL-MC | 3 | 600 | SEE RISER | 123,103 | 342 | 128,268 | 356 |
| 4 | TVSS | 3 | 80 | - | - | - | - | - |
| 5 | PROVISION | 3 | 100 | | | | | |
| 6 | PROVISION | 3 | 100 | | | | | |

## DPL-MC

DESCRIPTION: 600A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 342 AMPS 123,103 WATTS
SURFACE MOUNTING — DEMAND LOAD: 349 AMPS 125,755 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | LP-MC1A | 3 | 225 | SEE RISER | 37,212 | 103 | 39,723 | 110 |
| 2 | LP-MC1B | 3 | 225 | SEE RISER | 49,189 | 137 | 53,380 | 148 |
| 3 | LP-MC1C | 3 | 225 | SEE RISER | 36,702 | 102 | 42,653 | 118 |
| 4 | SPACE | 3 | | | | | | |
| 5 | SPACE | 3 | | | | | | |
| 6 | SPACE | 3 | | | | | | |
| 7 | SPACE | 3 | | | | | | |

## DPL-AL

DESCRIPTION: 1200A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 42 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 2,458 AMPS 885,020 WATTS
SURFACE MOUNTING — DEMAND LOAD: 822 AMPS 295,783 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | LP-AL1A | 3 | 225 | SEE RISER | 51,859 | 144 | 54,899 | 152 |
| 2 | LP-AL1B | 3 | 225 | SEE RISER | 58,296 | 162 | 64,505 | 179 |
| 3 | LP-AL1C | 3 | 400 | SEE RISER | 64,954 | 180 | 71,238 | 198 |
| 4 | LP-AL1D | 3 | 400 | SEE RISER | 59,791 | 166 | 65,969 | 183 |
| 5 | LP-AL1E | 3 | 400 | SEE RISER | 60,375 | 168 | 66,294 | 184 |
| 6 | LP-AL1F | 3 | 225 | SEE RISER | 53,970 | 150 | 61,798 | 172 |
| 7 | LP-AL1G | 3 | 400 | SEE RISER | 63,174 | 175 | 69,013 | 192 |
| 8 | LP-AL1H | 3 | 225 | SEE RISER | 46,017 | 128 | 51,961 | 144 |
| 9 | LP-AL1J | 3 | 225 | SEE RISER | 17,760 | 49 | 17,885 | 50 |
| 10 | LP-AL1K | 3 | 225 | SEE RISER | 43,586 | 121 | 38,858 | 108 |
| 11 | LP-AL1L | 3 | 225 | SEE RISER | 20,690 | 57 | 20,690 | 57 |
| 12 | SPACE | 3 | | | | | | |
| 13 | SPACE | 3 | | | | | | |

## EDPL-MCAL

DESCRIPTION: 600A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN CIRCUIT BREAKER — CONNECTED LOAD: 407 AMPS 146,452 WATTS
SURFACE MOUNTING — DEMAND LOAD: 290 AMPS 104,439 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | ELP-AL1A | 3 | 225 | SEE RISER | 43,719 | 121 | 30,569 | 85 |
| 2 | ELP-AL1B | 3 | 225 | SEE RISER | 14,671 | 41 | 11,244 | 31 |
| 3 | ELP-MC1A | 3 | 225 | SEE RISER | 20,493 | 57 | 16,403 | 46 |
| 4 | ELP-MC1B | 3 | 225 | SEE RISER | 13,903 | 39 | 8,540 | 24 |
| 5 | KLP-MC | 3 | 100 | SEE RISER | 20,524 | 57 | 13,341 | 37 |
| 6 | RTU-AL1A | 3 | 100 | SEE PLANS | 22,191 | 62 | 22,191 | 62 |
| 7 | RTU-AL1B | 3 | 50 | SEE PLANS | 10,951 | 30 | 10,951 | 30 |
| 8 | SPACE | 3 | | | | | | |
| 9 | SPACE | 3 | | | | | | |

## ELP-AL1A

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 46kW= 127A
DEMANDED LOAD CONTINUOUS: 33kW= 92A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | UNIT 124 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 133 - RCPT | 180 | 2 |
| 3 | 180 | UNIT 125 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 135 - RCPT | 180 | 4 |
| 5 | 180 | UNIT 126 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 136 - RCPT | 180 | 6 |
| 7 | 180 | UNIT 127 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 137 - RCPT | 180 | 8 |
| 9 | 180 | UNIT 128 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 138 - RCPT | 180 | 10 |
| 11 | 180 | UNIT 129 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 139 - RCPT | 180 | 12 |
| 13 | 180 | UNIT 130 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 140 - RCPT | 180 | 14 |
| 15 | 180 | UNIT 130 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 140 - RCPT | 180 | 16 |
| 17 | 180 | UNIT 131 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 141 - RCPT | 180 | 18 |
| 19 | 360 | RCPT - NURSE | 1 | 20 | A | 20 | 1 | UNIT 142 - RCPT | 180 | 20 |
| 21 | 1080 | RCPT - NURSE | 1 | 20 | B | 20 | 1 | UNIT 143 - RCPT | 180 | 22 |
| 23 | 800 | RCPT - NURSE REF | 1 | 20 | C | 20 | 1 | UNIT 144 - RCPT | 180 | 24 |
| 25 | 360 | RCPT - NURSE CART | 1 | 20 | A | 20 | 1 | UNIT 145 - RCPT | 180 | 26 |
| 27 | 360 | RCPT - NURSE ABOVE DESK | 1 | 20 | B | 20 | 1 | UNIT 146 - RCPT | 180 | 28 |
| 29 | 360 | RCPT - IT | 1 | 20 | C | 20 | 1 | UNIT 147 - RCPT | 180 | 30 |
| 31 | 360 | RCPT - IT | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | 360 | RCPT - IT | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 720 | RCPT - EMER CALL SYS | 1 | 20 | C | 20 | 2 | BH-AL1 | 799 | 36 |
| 37 | 1080 | RCPT - EMER CALL SYS | 1 | 20 | A | | | | 799 | 38 |
| 39 | 1080 | RCPT - EMER CALL SYS | 1 | 20 | B | 20 | 2 | BH-AL2 | 799 | 40 |
| 41 | 300 | MISC - FS DAMPER | 1 | 20 | C | | | | 799 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | AHU-AL1A | 1335 | 44 |
| 45 | 2330 | CU-AL1A | 2 | 30 | B | 20 | 1 | AHU-AL1B | 1335 | 46 |
| 47 | 2330 | | | | C | 20 | 1 | AHU-AL1C | 1008 | 48 |
| 49 | 2330 | CU-AL1B | 2 | 45 | A | 20 | 1 | AHU-AL1D | 1335 | 50 |
| 51 | 2330 | | | | B | 20 | 2 | RWH-AL3 | 899 | 52 |
| 53 | 1332 | CU-AL1C | 2 | 25 | C | | | | 899 | 54 |
| 55 | 1332 | | | | A | 20 | 2 | BH-AL2 | 799 | 56 |
| 57 | 2330 | CU-AL1D | 2 | 45 | B | | | | 799 | 58 |
| 59 | 2330 | | | | C | 20 | 2 | BH-AL2 | 799 | 60 |
| 61 | | SPARE | 1 | 20 | A | | | | 799 | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 2 | CU-AL1 | 1166 | 64 |
| 65 | 1241 | LTS - CORRIDOR 177, 184 | 1 | 20 | C | | | | 1166 | 66 |
| 67 | 425 | LTS - CORRIDOR 176 | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | 472 | LTS - AL COURTYARDS | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-MC1A

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 25kW= 69A
DEMANDED LOAD CONTINUOUS: 22kW= 61A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 720 | RCPT - EMER CALL SYS | 1 | 20 | A | 20 | 1 | UNIT 13 - RCPT | 180 | 2 |
| 3 | 360 | RCPT - IT 36 | 1 | 20 | B | 20 | 1 | UNIT 14 - RCPT | 180 | 4 |
| 5 | 360 | RCPT - IT 36 | 1 | 20 | C | 20 | 1 | UNIT 15 - RCPT | 180 | 6 |
| 7 | 360 | RCPT - IT 36 | 1 | 20 | A | 20 | 1 | UNIT 16 - RCPT | 180 | 8 |
| 9 | | SPARE | 1 | 20 | B | 20 | 1 | UNIT 17 - RCPT | 180 | 10 |
| 11 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 12 |
| 13 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 14 |
| 15 | 599 | BH-MC1 | 2 | 20 | B | 30 | 2 | CU-MC1B | 1498 | 16 |
| 17 | 599 | | | | C | | | | 1498 | 18 |
| 19 | 599 | BH-MC2 | 2 | 20 | A | 30 | 2 | CU-MC1C | 1498 | 20 |
| 21 | 599 | | | | B | | | | 1498 | 22 |
| 23 | 759 | AHU MC1B | 1 | 20 | C | 30 | 2 | CU-MC1D | 1498 | 24 |
| 25 | 759 | AHU MC1C | 1 | 20 | A | | | | 1498 | 26 |
| 27 | 759 | AHU MC1D | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | 1166 | CU MC1 | 2 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | 1166 | | | | A | 20 | 1 | SPARE | | 32 |
| 33 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | 360 | RCPT - WELLNESS | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | 360 | RCPT - WELLNESS | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 720 | RCPT - WELLNESS | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | 360 | RCPT - WELLNESS | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 698 | LTS - LOBBY | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | 642 | LTS - MECH, KITCH, DINING | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | 1389 | LTS - LIVING | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | 1445 | LTS - DINING | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | 204 | LTS - MC COURTYARD | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-MC1A

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 37kW= 103A
DEMANDED LOAD CONTINUOUS: 40kW= 110A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 720 | UNIT 006 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 009 A - BED RCPTS | 720 | 2 |
| 3 | 720 | UNIT 006 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 009 B - LIVING RCPTS | 720 | 4 |
| 5 | 180 | UNIT 006 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 009 C - BATH RCPTS | 180 | 6 |
| 7 | 720 | UNIT 007 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 010 A - BED RCPTS | 720 | 8 |
| 9 | 720 | UNIT 007 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 010 B - LIVING RCPTS | 720 | 10 |
| 11 | 180 | UNIT 007 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 010 C - BATH RCPT | 180 | 12 |
| 13 | 720 | UNIT 008 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 011 A - BED RCPTS | 720 | 14 |
| 15 | 720 | UNIT 008 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 011 B - LIVING RCPTS | 720 | 16 |
| 17 | 180 | UNIT 008 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 011 C - BATH RCPT | 180 | 18 |
| 19 | 1350 | UNIT 006, 007, 008 - LTG | 1 | 20 | A | 20 | 1 | UNIT 009, 010, 011 - LTG | 1350 | 20 |
| 21 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 22 |
| 23 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | 1831 | UNIT 006 - VTAC | 2 | 25 | A | 20 | 2 | UNIT 009 - VTAC | 1581 | 26 |
| 27 | 1831 | | - | - | B | - | - | | 1581 | 28 |
| 29 | 1581 | UNIT 007 - VTAC | 2 | 20 | C | 20 | 2 | UNIT 010 - VTAC | 1581 | 30 |
| 31 | 1581 | | - | - | A | - | - | | 1581 | 32 |
| 33 | 1581 | UNIT 008 - VTAC | 2 | 20 | B | 20 | 2 | UNIT 011 - VTAC | 1581 | 34 |
| 35 | 1581 | | - | - | C | - | - | | 1581 | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | ELEC FIRE PLACE | 1000 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - LIVING | 1080 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | RCPT - LIVING TV | 1080 | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | RCPT - CORR 39 | 1080 | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - MEMORY BOX | 1080 | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-AL1B

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 26kW= 71A
DEMANDED LOAD CONTINUOUS: 22kW= 62A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | UNIT 101 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 114 - RCPT | 180 | 2 |
| 3 | 180 | UNIT 102 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 114 - RCPT | 180 | 4 |
| 5 | 180 | UNIT 103 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 115 - RCPT | 180 | 6 |
| 7 | 180 | UNIT 104 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 116 - RCPT | 180 | 8 |
| 9 | 180 | UNIT 105 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 117 - RCPT | 180 | 10 |
| 11 | 180 | UNIT 106 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 118 - RCPT | 180 | 12 |
| 13 | 180 | UNIT 107 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 119 - RCPT | 180 | 14 |
| 15 | 180 | UNIT 108 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 120 - RCPT | 180 | 16 |
| 17 | 180 | UNIT 108 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 121 - RCPT | 180 | 18 |
| 19 | 180 | UNIT 109 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 123 - RCPT | 180 | 20 |
| 21 | 180 | UNIT 110 - RCPT | 1 | 20 | B | 20 | 1 | SPARE | | 22 |
| 23 | 180 | UNIT 111 - RCPT | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | 180 | UNIT 112 - RCPT | 1 | 20 | A | 20 | 1 | AHU-AL1E | 1335 | 26 |
| 27 | 180 | UNIT 113 - RCPT | 1 | 20 | B | 20 | 2 | RWH-AL1 | 899 | 28 |
| 29 | 360 | RCPT - EMER CALL SYS | 1 | 20 | C | | | | 899 | 30 |
| 31 | 200 | RCPT - EMER CALL SYS | 1 | 20 | A | 20 | 2 | RWH-AL2 | 899 | 32 |
| 33 | 200 | MISC - FS DAMPERS | 1 | 20 | B | | | | 899 | 34 |
| 35 | | SPARE | 1 | 20 | C | 45 | 2 | CU-AL1E | 2330 | 36 |
| 37 | | SPARE | 1 | 20 | A | | | | 2330 | 38 |
| 39 | 456 | LTS - CORR 173 | 1 | 20 | B | 20 | 2 | CU-AL2 | 1166 | 40 |
| 41 | 1219 | LTS - CORR 169, 171 | 1 | 20 | C | | | | 1166 | 42 |
| 43 | 1559 | LTS - OFFICES/LOBBY/RECPET. | 1 | 20 | A | 20 | 1 | RCPT - IT 170 | 360 | 44 |
| 45 | 1337 | LTS - DINING | 1 | 20 | B | 20 | 1 | RCPT - IT 170 | 360 | 46 |
| 47 | 1020 | LTS - BEVERAGES | 1 | 20 | C | 20 | 1 | RCPT - IT 170 | 360 | 48 |
| 49 | 1347 | LTS - DEMO/WELLNESS | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | 342 | LTS - AL EXTERIOR CANOPY | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | 168 | LTS - AL EXTERIOR | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-MC1B

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 18kW= 49A
DEMANDED LOAD CONTINUOUS: 13kW= 37A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | UNIT 01 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 05 - RCPT | 180 | 2 |
| 3 | 180 | UNIT 02 - RCPT | 1 | 20 | B | 20 | 1 | UNIT 06 - RCPT | 180 | 4 |
| 5 | 180 | UNIT 03 - RCPT | 1 | 20 | C | 20 | 1 | UNIT 07 - RCPT | 180 | 6 |
| 7 | 180 | UNIT 04 - RCPT | 1 | 20 | A | 20 | 1 | UNIT 08 - RCPT | 180 | 8 |
| 9 | 720 | RCPT - EMER CALL SYS | 1 | 20 | B | 20 | 1 | UNIT 09 - RCPT | 180 | 10 |
| 11 | | SPARE | 1 | 20 | C | 20 | 1 | UNIT 10 - RCPT | 180 | 12 |
| 13 | | SPARE | 1 | 20 | A | 20 | 1 | UNIT 11 - RCPT | 180 | 14 |
| 15 | 1008 | AHU-MC1A | 1 | 20 | B | 20 | 1 | UNIT 12 - RCPT | 180 | 16 |
| 17 | 759 | AHU-MC1E | 1 | 20 | C | 20 | 1 | SPARE | | 18 |
| 19 | 899 | RWH-MC1 | 2 | 20 | A | 20 | 1 | SPARE | | 20 |
| 21 | 899 | | | | B | 25 | 2 | CU-MC1A | 1332 | 22 |
| 23 | 899 | RWH-MC2 | 2 | 20 | C | | | | 1332 | 24 |
| 25 | 899 | | | | A | 30 | 2 | CU-MC1E | 1498 | 26 |
| 27 | | SPARE | 1 | 20 | B | | | | 1498 | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | 978 | LTS - CORR 34, 39, 42 | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | 639 | LTS - LIVING 037 | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 730 | LTS - RR, LAUNDRY, CORR 48 | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | 1249 | LTS - SPA, SALON, EMPL LOUNGE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | 240 | LTS - MC EXTERIOR | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-MC1B

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 49kW= 137A
DEMANDED LOAD CONTINUOUS: 53kW= 148A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 720 | UNIT 001 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 004 A - BED RCPTS | 720 | 2 |
| 3 | 720 | UNIT 001 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 004 B - LIVING RCPTS | 720 | 4 |
| 5 | 180 | UNIT 001 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 004 C - BATH RCPTS | 180 | 6 |
| 7 | 720 | UNIT 002 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 005 A - BED RCPTS | 720 | 8 |
| 9 | 720 | UNIT 002 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 005 B - LIVING RCPTS | 720 | 10 |
| 11 | 180 | UNIT 002 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 005 C - BATH RCPT | 180 | 12 |
| 13 | 720 | UNIT 003 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 018 A - BED RCPTS | 720 | 14 |
| 15 | 720 | UNIT 003 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 108 B - LIVING RCPTS | 720 | 16 |
| 17 | 180 | UNIT 003 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 018 C - BATH RCPT | 180 | 18 |
| 19 | 1350 | UNIT 001, 002, 003 - LTG | 1 | 20 | A | 20 | 1 | UNIT 004, 005, 018 - LTG | 1350 | 20 |
| 21 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 22 |
| 23 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | 2330 | UNIT 001 - VTAC | 2 | 30 | A | 20 | 2 | UNIT 004 - VTAC | 1581 | 26 |
| 27 | 2330 | | - | - | B | - | - | | 1581 | 28 |
| 29 | 1581 | UNIT 002 - VTAC | 2 | 20 | C | 25 | 2 | UNIT 005 - VTAC | 1853 | 30 |
| 31 | 1581 | | - | - | A | - | - | | 1853 | 32 |
| 33 | 1581 | UNIT 003 - VTAC | 2 | 20 | B | 30 | 2 | UNIT 018 - PTAC | 2296 | 34 |
| 35 | 1581 | | - | - | C | - | - | | 2296 | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 1080 | RCPT - CORR 23, 34 | 1 | 20 | C | 20 | 1 | DOOR OPERATORS | 250 | 42 |
| 43 | 720 | RCPT - SITTING | 1 | 20 | A | 20 | 1 | ELEC FIREPLACE | 1000 | 44 |
| 45 | 360 | RCPT - MECH | 1 | 20 | B | 20 | 1 | ELEC FIREPLACE | 1000 | 46 |
| 47 | 360 | RCPT - RR | 1 | 20 | C | 20 | 1 | RCPT - COURTYD I PUMP | 1200 | 48 |
| 49 | 360 | RCPT - IT | 1 | 20 | A | 20 | 1 | RCPT - MEMORY BOX | 1080 | 50 |
| 51 | 720 | RCPT - LIVING | 1 | 20 | B | 20 | 1 | MISC - DOOR HOLDS | 500 | 52 |
| 53 | 250 | RCPT - LIVING TV | 1 | 20 | C | 20 | 1 | WH RCPT 1 | 960 | 54 |
| 55 | 1080 | RCPT - DINING | 1 | 20 | A | 20 | 1 | WH RCPT 2 | 960 | 56 |
| 57 | 180 | RCPT - ELEC | 1 | 20 | B | 20 | 1 | WH RCPT 3 | 960 | 58 |
| 59 | 360 | RCPT - LIFE STATION | 1 | 20 | C | 20 | 1 | RP-2 | 265 | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | TMV | 180 | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | RCPT - WTR SOFT | 500 | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## KLP-1 (SECTION 1)

DESCRIPTION: 400A MLO — 100% Neutral Bus w/ Double Lugs — 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 106kW= 294A
DEMANDED LOAD CONTINUOUS: 75kW= 209A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1272 | E-1 - ICE MAKER | 1 | 20 | A | 20 | 1 | E-4 - BAG SODA SYSTEM | 1440 | 2 |
| 3 | 1200 | E-37 - HYDROVECTION OVEN | 1 | 20 | B | 50 | 2 | E-43 - COUNTERTOP KETTLE | 3432 | 4 |
| 5 | | SHUNT-TRIP BREAKER | | | C | | | | 3432 | 6 |
| 7 | 360 | E-C0 - CONV. RECEP. | 1 | 20 | A | | | SHUNT-TRIP BREAKER | - | 8 |
| 9 | 396 | E-41 - REFRIG. EQ. STAND | 1 | 20 | B | 20 | 1 | E-46 - SANDWICH REFRIG. | 624 | 10 |
| 11 | | SHUNT-TRIP BREAKER | | | C | 20 | 1 | E-44 - REACH-IN REFRIG. | 588 | 12 |
| 13 | 720 | E-38 - SIX BURNER RANGE | 1 | 20 | A | 20 | 1 | E-108 - REACH-IN REFRIG. | 588 | 14 |
| 15 | | SHUNT-TRIP BREAKER | | | B | 20 | 1 | E-23 - FREEZER HEAT TAPE | 180 | 16 |
| 17 | 1440 | E-29 - HOOD | 1 | 20 | C | 20 | 1 | E-47 - WAFFLE MAKER | 900 | 18 |
| 19 | 985 | E-23C - FREEZER DEFR. HTR. | 1 | 20 | A | 20 | 1 | E-54 - MICROWAVE OVEN | 1560 | 20 |
| 21 | 1000 | EQUIPMENT RCPT | 1 | 20 | B | 20 | 1 | E-27 - REACH-IN DUAL-TEMP | 480 | 22 |
| 23 | 100 | GAS SOLENOID | 1 | 20 | C | 20 | 3 | E-22A - COOLER COND. UNIT | 828 | 24 |
| 25 | | SHUNT-TRIP BREAKER | | | A | | | | 828 | 26 |
| 27 | 1440 | E-68 - CONDENSATE HOOD | 1 | 20 | B | | | | 828 | 28 |
| 29 | 540 | E-110 - TEA DISPENSER | 1 | 20 | C | 20 | 1 | E-10 - FOOD PROCESSOR | 1440 | 30 |
| 31 | 360 | E-5 - SLICER | 1 | 20 | A | 20 | 2 | E-23B - FREEZER UNIT EVAP | 1071 | 32 |
| 33 | 1800 | E-48 - CONVEYOR TOASTER | 1 | 20 | B | | | | 1071 | 34 |
| 35 | 1456 | E-23A - FREEZER COND. UNIT | 3 | 20 | C | 20 | 1 | E-22 - COOLER UNIT EVAP | 156 | 36 |
| 37 | 1456 | | | | A | 20 | 1 | E-15 - FOOD PROCESSOR | 1440 | 38 |
| 39 | 1456 | | | | B | 20 | 1 | E-17 - PLANETARY MIXER | 720 | 40 |
| 41 | 1800 | E-28 - HEATED CABINET | 1 | 20 | C | 20 | 3 | E-73 - DISPOSER | 793 | 42 |
| 43 | 1056 | E-55 - HEAT LAMP | 1 | 20 | A | | | | 793 | 44 |
| 45 | 2954 | E-67 - DISHWASHER | 3 | 30 | B | | | | 793 | 46 |
| 47 | 2954 | | | | C | 20 | 1 | E-109 - ICE/WTR DISPENSER | 1230 | 48 |
| 49 | 2954 | | | | A | 20 | 1 | E-111 - JUICE DISPENSER | 960 | 50 |
| 51 | 720 | CONVENIENCE RCPTS | 1 | 20 | B | 30 | 2 | E-112 - COFFEE MAKER | 2500 | 52 |
| 53 | 350 | E-101 - ICE CREAM DIPPER | 1 | 20 | C | | | | 2500 | 54 |
| 55 | 1495 | LIGHTING KITCHEN | 1 | 20 | A | 20 | 1 | E-114 - SODA DISPENSER | 1920 | 56 |
| 57 | 680 | LIGHTING 165, 166, 167 | 1 | 20 | B | 20 | 1 | E-36 - CONVECTION OVEN | 720 | 58 |
| 59 | 2450 | E-67.1 - DISHWASHER | 3 | 30 | C | | | SHUNT-TRIP BREAKER | | 60 |
| 61 | 2450 | (BOOSTER) | | | A | 20 | 1 | E-69 - KEF-4 | 444 | 62 |
| 63 | 2450 | | | | B | 20 | 3 | E-31.1 - KEF-2 | 1224 | 64 |
| 65 | 1440 | E-33 - FIRE SUPPRESSION | 1 | 20 | C | | | | 1224 | 66 |
| 67 | 2413 | E-56 - DROP-IN HOT WELLS | 2 | 20 | A | | | | 1224 | 68 |
| 69 | 2413 | | | | B | | | SHUNT-TRIP BREAKER | | 70 |
| 71 | 900 | CONVENIENCE RCPTS | 1 | 20 | C | 20 | 1 | SPARE | - | 72 |

## KLP-1 (SECTION 2)

DESCRIPTION: 400A MLO — 100% Neutral Bus w/ Feed Through Lugs — 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 23kW= 62A
DEMANDED LOAD CONTINUOUS: 16kW= 45A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 1140 | E-32-MAKE-UP AIR UNIT | 3 | 20 | A | 20 | 3 | E-31 - KEF-1 | 313 | 74 |
| 75 | 1140 | | | | B | | | | 313 | 76 |
| 77 | 1140 | | | | C | | | | 313 | 78 |
| 79 | | SHUNT-TRIP BREAKER | | | A | | | SHUNT-TRIP BREAKER | | 80 |
| 81 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 82 |
| 83 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 84 |
| 85 | 1230 | E-156 - ICE/WTR DISPENSER | 1 | 20 | A | 20 | 1 | E-250 - REACH-IN REFRIG. | 600 | 86 |
| 87 | 888 | E-160 - PASS-THRU CASE | 1 | 20 | B | 20 | 1 | E-251 - SODA DISPENSER | 1800 | 88 |
| 89 | 240 | E-163 - ICE CREAM DIPPER | 1 | 20 | C | 20 | 1 | E-252 - TEA DISPENSER | 1000 | 90 |
| 91 | 300 | E-164 - REFRIG. BACK BAR | 1 | 20 | A | 20 | 2 | E-253 - COFFEE BREWER | 2500 | 92 |
| 93 | 1440 | E-165 - COFFEE BREWER | 1 | 20 | B | | | | 2500 | 94 |
| 95 | 1590 | E-166 - PIZZA OVEN | 2 | 20 | C | 20 | 1 | E-254 - JUICE DISPENSER | 1000 | 96 |
| 97 | 1590 | | | | A | 20 | 1 | E-255 - ICE/WTR DISPENSER | 1230 | 98 |
| 99 | - | SPARE | | | B | 20 | 1 | E-257 - ICE CREAM DIPPER | 240 | 100 |
| 101 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 102 |
| 103 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 104 |
| 105 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 106 |
| 107 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 108 |
| 109 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 110 |
| 111 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 112 |
| 113 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 114 |
| 115 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 116 |
| 117 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 118 |
| 119 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 120 |
| 121 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 122 |
| 123 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 124 |
| 125 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 126 |
| 127 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 128 |
| 129 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 130 |
| 131 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 132 |
| 133 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 134 |
| 135 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 136 |
| 137 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 138 |
| 139 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 140 |
| 141 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 142 |
| 143 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 144 |

## KLP-MC

DESCRIPTION: 100A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 22kW= 60A
DEMANDED LOAD CONTINUOUS: 14kW= 39A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1000 | GD-1 | 1 | 20 | A | 20 | 1 | E-310 - REACH-IN DUAL TEMP | 240 | 2 |
| 3 | 1000 | E-301 - REACH-IN DUAL-TEMP | 1 | 20 | B | 20 | 1 | E-307 - MICROWAVE OVEN | 1560 | 4 |
| 5 | 960 | E-302 - JUICE DISPENSER | 1 | 20 | C | 20 | 1 | E-311 - POP-UP TOASTER | 384 | 6 |
| 7 | 2500 | E-304 - COFFEE BREWER | 2 | 30 | A | 20 | 1 | E-350 - BACK BAR CABINET | 300 | 8 |
| 9 | 2500 | | | | B | 20 | 2 | E-312 - DROP-IN HOT WELLS | 1810 | 10 |
| 11 | 1230 | E-305 - ICE/WATER DISP. | 1 | 20 | C | | | | 1810 | 12 |
| 13 | 2500 | E-351 - COFFEE BREWER | 2 | 30 | A | 20 | 1 | SPARE | - | 14 |
| 15 | 2500 | | | | B | 20 | 1 | SPARE | - | 16 |
| 17 | 1230 | E-352 - ICE/WATER DISP. | 1 | 20 | C | 20 | 1 | SPARE | - | 18 |
| 19 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 20 |
| 21 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 22 |
| 23 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 24 |
| 25 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 26 |
| 27 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 28 |
| 29 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 30 |
| 31 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 32 |
| 33 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 34 |
| 35 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 36 |
| 37 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 38 |
| 39 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 40 |
| 41 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 42 |

## LP-MC1C

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 37kW= 102A
DEMANDED LOAD CONTINUOUS: 43kW= 118A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 720 | UNIT 012 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 014 A - BED RCPTS | 720 | 2 |
| 3 | 720 | UNIT 012 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 014 B - LIVING RCPTS | 720 | 4 |
| 5 | 180 | UNIT 012 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 014 C - BATH RCPTS | 180 | 6 |
| 7 | 720 | UNIT 013 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 015 A - BED RCPTS | 720 | 8 |
| 9 | 720 | UNIT 013 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 015 B - LIVING RCPTS | 720 | 10 |
| 11 | 180 | UNIT 013 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 015 C - BATH RCPT | 180 | 12 |
| 13 | 720 | UNIT 017 A - BED RCPTS | 1 | 20 | A | 20 | 1 | UNIT 016 A - BED RCPTS | 720 | 14 |
| 15 | 720 | UNIT 017 B - LIVING RCPTS | 1 | 20 | B | 20 | 1 | UNIT 016 B - LIVING RCPTS | 720 | 16 |
| 17 | 180 | UNIT 017 C - BATH RCPT | 1 | 20 | C | 20 | 1 | UNIT 016 C - BATH RCPT | 180 | 18 |
| 19 | 1350 | UNIT 012, 013, 017 - LTG | 2 | 30 | A | 20 | 1 | UNIT 014, 015, 016 - LTG | 1350 | 20 |
| 21 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 22 |
| 23 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | 1831 | UNIT 012 - VTAC | 2 | 20 | A | 25 | 2 | UNIT 014 - VTAC | 1831 | 26 |
| 27 | 1831 | | - | - | B | - | - | | 1831 | 28 |
| 29 | 1831 | UNIT 013 - VTAC | 2 | 25 | C | 25 | 2 | UNIT 015 - VTAC | 1831 | 30 |
| 31 | 1831 | | - | - | A | - | - | | 1831 | 32 |
| 33 | 2196 | UNIT 017 - PTAC | 2 | 30 | B | 25 | 2 | UNIT 016 - VTAC | 1831 | 34 |
| 35 | 2196 | | - | - | C | - | - | | 1831 | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | RCPT - MEMORY BOX | 1080 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | MISC - DOOR HOLDS | 500 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI — CASEY JOHN STEINER — NUMBER PE-2009035182 — PROFESSIONAL ENGINEER
8/10/19

MCAL BUILDING
ELECTRICAL SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

# MCAL E6.1

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## LP-AL1K

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 44kW= 121A
DEMANDED LOAD CONTINUOUS: 39kW= 108A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1080 | RCPT - DINING | 1 | 20 | A | 20 | 1 | RCPT - CART | 500 | 2 |
| 3 | 1080 | RCPT - DINING | 1 | 20 | B | 20 | 1 | RCPT - CART | 500 | 4 |
| 5 | 720 | RCPT - PRIVATE DINING | 1 | 20 | C | 20 | 1 | RCPT - CART | 500 | 6 |
| 7 | 900 | RCPT - THEATER | 1 | 20 | A | 20 | 1 | RCPT - CART | 500 | 8 |
| 9 | 360 | RCPT - THEATER TV | 1 | 20 | B | 20 | 1 | RCPT - IT | 720 | 10 |
| 11 | 1000 | RCPT - PROJECTOR | 1 | 20 | C | 20 | 1 | RCPT - IT/AV | 720 | 12 |
| 13 | 1000 | ELECT FIREPLACE - LIVING | 1 | 20 | A | 20 | 1 | RCPT - BISTRO REF | 500 | 14 |
| 15 | 360 | RCPT - RESTROOMS | 1 | 20 | B | 20 | 1 | RCPT - BISTRO COUNTER | 360 | 16 |
| 17 | 500 | RCPT - COPIER | 1 | 20 | C | 20 | 1 | RCPT - BISTRO SITTING | 360 | 18 |
| 19 | 500 | DOOR OPERATORS | 1 | 20 | A | 50 | 2 | RANGE - DEMO KITCH. | 4000 | 20 |
| 21 | 1080 | RCPT - BUSIN OFFICE | 1 | 20 | B | | | | 4000 | 22 |
| 23 | 540 | RCPT - OFFICE | 1 | 20 | C | 20 | 1 | MICRO. - DEMO KITCH. | 1500 | 24 |
| 25 | 720 | RCPT - RECEPTION | 1 | 20 | A | 20 | 1 | DW - DEMO KITCH | 500 | 26 |
| 27 | 1080 | RCPT - LOBBY | 1 | 20 | B | 20 | 1 | GD - DEMO KITCH | 1000 | 28 |
| 29 | 180 | RCPT - WORK ROOM | 1 | 20 | C | 20 | 1 | HOOD - DEMO KITCH. | 500 | 30 |
| 31 | 900 | RCPT - CORRIDOR 176 | 1 | 20 | A | 20 | 1 | REFRIG. - DEMO KITCH | 1200 | 32 |
| 33 | 720 | RCPT - CORRIDOR 184 | 1 | 20 | B | 20 | 1 | GFCI RCPT - DEMO KITCH. | 360 | 34 |
| 35 | 720 | RCPT - CORRIDOR 177 | 1 | 20 | C | 20 | 1 | GFCI RCPT - DEMO KITCH. | 360 | 36 |
| 37 | 360 | RCPT - STORAGE 178 | 1 | 20 | A | 20 | 1 | RCPT - DEMO KITCH. | 720 | 38 |
| 39 | 720 | RCPT - COURTYARD 2 | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 1000 | RCPT - COMPUTER AREA | 1 | 20 | C | 20 | 1 | RCPT - WELLNESS | 1080 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - WELLNESS TV | 250 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | RCPT - WLLNESS TV | 180 | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | RCPT - WELLNESS TV | 250 | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - WLLNESS TV | 180 | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | WELLNESS EQUIPMENT | 1000 | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | WELLNESS EQUIPMENT | 1000 | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | COURTYARD 2 PUMP | 1200 | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | RCPT - ROOF TOP | 1080 | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | MISC - DOOR HOLDS | 400 | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 2 | UH-AL1 | 1323 | 62 |
| 63 | | SPARE | 1 | 20 | B | | | | 1323 | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1G

DESCRIPTION: 400A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 63kW= 175A
DEMANDED LOAD CONTINUOUS: 69kW= 192A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 112 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 114 A - REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 112 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 114 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 112 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 114 C - MICROWAVE | 1500 | 6 |
| 7 | 900 | UNIT 112 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 114 D - LIVING RM RCPT 1 | 720 | 8 |
| 9 | 900 | UNIT 112 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 114 E - LIVING RM RCPT 2 | 900 | 10 |
| 11 | 180 | UNIT 112 F - BATHROOM | 1 | 20 | C | 20 | 1 | UNIT 114 F - BEDRM 1 RCPTS | 1080 | 12 |
| 13 | | SPARE | 1 | 20 | A | 20 | 1 | UNIT 114 G - BATH 1 RCPT | 180 | 14 |
| 15 | 1200 | UNIT 113 A - REFRIGERATOR | 1 | 20 | B | 20 | 1 | UNIT 114 H - BEDRM 2 RCPTS | 1080 | 16 |
| 17 | 360 | UNIT 113 B - KITCHEN | 1 | 20 | C | 20 | 1 | UNIT 114 I - BATH 2 RCPT | 180 | 18 |
| 19 | 1500 | UNIT 113 C - MICROWAVE | 1 | 20 | A | 20 | 1 | SPARE | | 20 |
| 21 | 360 | UNIT 113 D - LIVING RM RCPT 1 | 1 | 20 | B | 20 | 1 | UNIT 118 A - REFRIGERATOR | 1200 | 22 |
| 23 | 900 | UNIT 113 E - LIVING RM RCPTS 2 | 1 | 20 | C | 20 | 1 | UNIT 118 B - KITCHEN | 360 | 24 |
| 25 | 1080 | UNIT 113 F - BEDRM RCPTS | 1 | 20 | A | 20 | 1 | UNIT 118 C - MICROWAVE | 1500 | 26 |
| 27 | 180 | UNIT 113 G - BATH RCPT | 1 | 20 | B | 20 | 1 | UNIT 118 D - LIVING RM RCPT 1 | 900 | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | UNIT 118 E - LIVING RM RCPTS 2 | 900 | 30 |
| 31 | 1200 | UNIT 116 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 118 F - BATHROOM | 180 | 32 |
| 33 | 360 | UNIT 116 B - KITCHEN | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 1500 | UNIT 116 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 120 A - REFRIGERATOR | 1200 | 36 |
| 37 | 900 | UNIT 116 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 120 B - KITCHEN | 360 | 38 |
| 39 | 900 | UNIT 116 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 120 C - MICROWAVE | 1500 | 40 |
| 41 | 180 | UNIT 116 F - BATHROOM | 1 | 20 | C | 20 | 1 | UNIT 120 D - LIVING RM RCPT 1 | 900 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | UNIT 120 E - LIVING RM RCPTS 2 | 900 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | UNIT 120 F - BATHROOM | 180 | 46 |
| 47 | 989 | UNIT 112, 113 - LTG | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 942 | UNIT 114 - LTG | 1 | 20 | A | 20 | 1 | UNIT 116, 118, 120 - LTG | 1341 | 50 |
| 51 | 1831 | UNIT 112 - VTAC | 2 | 25 | B | 25 | 2 | UNIT 116 - VTAC | 1831 | 52 |
| 53 | 1831 | | - | - | C | - | - | | 1831 | 54 |
| 55 | 2496 | UNIT 113 - VTAC | 2 | 30 | A | 25 | 2 | UNIT 118 - VTAC | 1831 | 56 |
| 57 | 2496 | | - | - | B | - | - | | 1831 | 58 |
| 59 | 3661 | UNIT 114 - VTAC | 2 | 45 | C | 25 | 2 | UNIT 120 - VTAC | 1831 | 60 |
| 61 | 3661 | | - | - | A | - | - | | 1831 | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1D

DESCRIPTION: 400A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 60kW= 166A
DEMANDED LOAD CONTINUOUS: 66kW= 183A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 125 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 131 A - REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 125 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 131 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 125 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 131 C - MICROWAVE | 1500 | 6 |
| 7 | 360 | UNIT 125 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 131 D - LIVING RM RCPT 1 | 900 | 8 |
| 9 | 900 | UNIT 125 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 131 E - LIVING RM RCPTS 2 | 900 | 10 |
| 11 | 1080 | UNIT 125 F - BEDRM RCPTS | 1 | 20 | C | 20 | 1 | UNIT 131 F - BATHROOM | 180 | 12 |
| 13 | 180 | UNIT 125 G - BATH RCPT | 1 | 20 | A | 20 | 1 | SPARE | | 14 |
| 15 | | SPARE | 1 | 20 | B | 20 | 1 | UNIT 133 A - REFRIGERATOR | 1200 | 16 |
| 17 | 1200 | UNIT 127 A - REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 133 B - KITCHEN | 360 | 18 |
| 19 | 360 | UNIT 127 B - KITCHEN | 1 | 20 | A | 20 | 1 | UNIT 133 C - MICROWAVE | 1500 | 20 |
| 21 | 1500 | UNIT 127 C - MICROWAVE | 1 | 20 | B | 20 | 1 | UNIT 133 D - LIVING RM RCPT 1 | 360 | 22 |
| 23 | 900 | UNIT 127 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | UNIT 133 E - LIVING RM RCPTS 2 | 900 | 24 |
| 25 | 900 | UNIT 127 E - LIVING RM RCPTS 2 | 1 | 20 | A | 20 | 1 | UNIT 133 F - BEDRM RCPTS | 1080 | 26 |
| 27 | 180 | UNIT 127 F - BATHROOM | 1 | 20 | B | 20 | 1 | UNIT 133 G - BATH RCPT | 180 | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | 1200 | UNIT 129 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 135 A - REFRIGERATOR | 1200 | 32 |
| 33 | 360 | UNIT 129 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 135 B - KITCHEN | 360 | 34 |
| 35 | 1500 | UNIT 129 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 135 C - MICROWAVE | 1500 | 36 |
| 37 | 900 | UNIT 129 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 135 D - LIVING RM RCPT 1 | 360 | 38 |
| 39 | 900 | UNIT 129 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 135 E - LIVING RM RCPTS 2 | 900 | 40 |
| 41 | 180 | UNIT 129 F - BATHROOM | 1 | 20 | C | 20 | 1 | UNIT 135 F - BEDRM RCPTS | 1080 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | UNIT 135 G - BATH RCPT | 180 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 1436 | UNIT 125, 127, 129 - LTG | 1 | 20 | A | 20 | 1 | UNIT 131, 133, 135 - LTG | 1531 | 50 |
| 51 | 2330 | UNIT 125 - VTAC | 2 | 30 | B | 30 | 2 | UNIT 131 - VTAC | 1581 | 52 |
| 53 | 2330 | | - | - | C | - | - | | 1581 | 54 |
| 55 | 1581 | UNIT 127 - VTAC | 2 | 20 | A | 30 | 2 | UNIT 133 - VTAC | 2330 | 56 |
| 57 | 1581 | | - | - | B | - | - | | 2330 | 58 |
| 59 | 1581 | UNIT 129 - VTAC | 2 | 20 | C | 40 | 2 | UNIT 135 - VTAC | 3079 | 60 |
| 61 | 1581 | | - | - | A | - | - | | 3079 | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1A

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 52kW= 144A
DEMANDED LOAD CONTINUOUS: 55kW= 152A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 146 A-REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 147 A-REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 146 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 147 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 146 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 147 C - MICROWAVE | 1500 | 6 |
| 7 | 360 | UNIT 146 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 147 D - LIVING RM RCPT 1 | 900 | 8 |
| 9 | 900 | UNIT 146 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 147 E - LIVING RM RCPTS 2 | 900 | 10 |
| 11 | 1080 | UNIT 146 F - BEDRM RCPTS | 1 | 20 | C | 20 | 1 | UNIT 147 F - BATHROOM | 180 | 12 |
| 13 | 180 | UNIT 146 G - BATH RCPT | 1 | 20 | A | 20 | 1 | SPARE | | 14 |
| 15 | | SPARE | 1 | 20 | B | 20 | 1 | UNIT 140 A-REFRIGERATOR | 1200 | 16 |
| 17 | 1200 | UNIT 144 A-REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 140 B - KITCHEN | 360 | 18 |
| 19 | 360 | UNIT 144 B - KITCHEN | 1 | 20 | A | 20 | 1 | UNIT 140 C - MICROWAVE | 1500 | 20 |
| 21 | 1500 | UNIT 144 C - MICROWAVE | 1 | 20 | B | 20 | 1 | UNIT 140 D - LIVING RM RCPT 1 | 720 | 22 |
| 23 | 900 | UNIT 144 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | UNIT 140 E - LIVING RM RCPT 2 | 900 | 24 |
| 25 | 900 | UNIT 144 E - LIVING RM RCPTS 2 | 1 | 20 | A | 20 | 1 | UNIT 140 F - BEDRM 1 RCPTS | 1080 | 26 |
| 27 | 180 | UNIT 144 F - BATHROOM | 1 | 20 | B | 20 | 1 | UNIT 140 G - BATH 1 RCPT | 180 | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | UNIT 140 H - BEDRM 2 RCPTS | 1080 | 30 |
| 31 | 1200 | UNIT 142 A-REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 140 I - BATH 2 RCPT | 180 | 32 |
| 33 | 360 | UNIT 142 B - KITCHEN | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 1500 | UNIT 142 C - MICROWAVE | 2 | 60 | C | 20 | 1 | SPARE | | 36 |
| 37 | 900 | UNIT 142 D - LIVING RM RCPT 1 | - | - | A | 20 | 1 | SPARE | | 38 |
| 39 | 900 | UNIT 142 E - LIVING RM RCPTS 2 | 2 | 60 | B | 20 | 1 | SPARE | | 40 |
| 41 | 180 | UNIT 142 F - BATHROOM | - | - | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 1436 | UNIT 144, 146, 147 - LTG | 1 | 20 | A | 20 | 1 | UNIT 140, 142 - LTG | 1389 | 50 |
| 51 | 2330 | UNIT 146 - VTAC | 2 | 30 | B | 25 | 2 | UNIT 147 - VTAC | 1830 | 52 |
| 53 | 2330 | | - | - | C | - | - | | 1830 | 54 |
| 55 | 1581 | UNIT 144 - VTAC | 2 | 20 | A | 40 | 2 | UNIT 140 - VTAC | 3245 | 56 |
| 57 | 1581 | | - | - | B | - | - | | 3245 | 58 |
| 59 | 1581 | UNIT 142 - VTAC | 2 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | 1581 | | - | - | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | - | - | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1L

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 22kW= 62A
DEMANDED LOAD CONTINUOUS: 22kW= 62A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | REFRIG - EMPL LOUNGE | 1 | 20 | A | 30 | 2 | DRYER - COMM LAUNDRY | 2500 | 2 |
| 3 | 1260 | RCPT - EMPL COUNTER | 1 | 20 | B | | | | 2500 | 4 |
| 5 | 250 | RCPT - EMPL LOUNGE TV | 1 | 20 | C | 30 | 2 | DRYER - COMM LAUNDRY | 2500 | 6 |
| 7 | 180 | RCPT - RESTROOM | 1 | 20 | A | | | | 2500 | 8 |
| 9 | 360 | RCPT - EMPL LOUNGE | 1 | 20 | B | 20 | 1 | WASHER - COMM LAUNDRY | 1000 | 10 |
| 11 | 360 | RCPT - SALON GFCI | 1 | 20 | C | 20 | 3 | WASHER - COMM LAUNDRY | 900 | 12 |
| 13 | 180 | RCPT - SALON COUNTER | 1 | 20 | A | | | | 900 | 14 |
| 15 | 180 | RCPT - SALON COUNTER | 1 | 20 | B | | | | 900 | 16 |
| 17 | 360 | RCPT - SPA | 1 | 20 | C | 20 | 1 | SPARE | | 18 |
| 19 | 720 | RCPT - COMMERCIAL LAUNDRY | 1 | 20 | A | 20 | 1 | SPARE | | 20 |
| 21 | 1080 | RCPT - CORRIDOR 048, 042 | 1 | 20 | B | 20 | 1 | TUB - SPA | 250 | 22 |
| 23 | 360 | RCPT - MAINTENANCE | 1 | 20 | C | 20 | 1 | TUB - SPA | 250 | 24 |
| 25 | 1500 | RCPT - EMPL LNGE MICRO | 1 | 20 | A | 20 | 1 | SPARE | | 26 |
| 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1H

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 46kW= 128A
DEMANDED LOAD CONTINUOUS: 52kW= 144A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 119 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 115 A - REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 119 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 115 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 119 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 115 C - MICROWAVE | 1500 | 6 |
| 7 | 900 | UNIT 119 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 115 D - LIVING RM RCPT 1 | 360 | 8 |
| 9 | 900 | UNIT 119 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 115 E - LIVING RM RCPTS 2 | 900 | 10 |
| 11 | 180 | UNIT 119 F - BATHROOM | 1 | 20 | C | 20 | 1 | UNIT 115 F - BEDRM RCPTS | 1080 | 12 |
| 13 | - | SPARE | 1 | 20 | A | 20 | 1 | UNIT 115 G - BATH RCPT | 180 | 14 |
| 15 | 1200 | UNIT 121 A - REFRIGERATOR | 1 | 20 | B | 20 | 1 | SPARE | - | 16 |
| 17 | 360 | UNIT 121 B - KITCHEN | 1 | 20 | C | 20 | 1 | UNIT 117 A - REFRIGERATOR | 1200 | 18 |
| 19 | 1500 | UNIT 121 C - MICROWAVE | 1 | 20 | A | 20 | 1 | UNIT 117 B - KITCHEN | 360 | 20 |
| 21 | 900 | UNIT 121 D - LIVING RM RCPT 1 | 1 | 20 | B | 20 | 1 | UNIT 117 C - MICROWAVE | 1500 | 22 |
| 23 | 900 | UNIT 121 E - LIVING RM RCPTS 2 | 1 | 20 | C | 20 | 1 | UNIT 117 D - LIVING RM RCPT 1 | 360 | 24 |
| 25 | 180 | UNIT 121 F - BATHROOM | 1 | 20 | A | 20 | 1 | UNIT 117 E - LIVING RM RCPTS 2 | 900 | 26 |
| 27 | - | SPARE | 1 | 20 | B | 20 | 1 | UNIT 117 F - BEDRM RCPTS | 1080 | 28 |
| 29 | 1200 | UNIT 123 A - REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 117 G - BATH RCPT | 180 | 30 |
| 31 | 360 | UNIT 123 B - KITCHEN | 1 | 20 | A | 20 | 1 | SPARE | - | 32 |
| 33 | 1500 | UNIT 123 C - MICROWAVE | 1 | 20 | B | 20 | 1 | SPARE | - | 34 |
| 35 | 900 | UNIT 123 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | SPARE | - | 36 |
| 37 | 900 | UNIT 123 E - LIVING RM RCPTS 2 | 1 | 20 | A | 20 | 1 | SPARE | - | 38 |
| 39 | 180 | UNIT 123 F - BATHROOM | 1 | 20 | B | 20 | 1 | SPARE | - | 40 |
| 41 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 42 |
| 43 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 44 |
| 45 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 46 |
| 47 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 48 |
| 49 | 1341 | UNIT 119, 121, 123 - LTG | 1 | 20 | A | 20 | 1 | UNIT 117, 119 - LTG | 1084 | 50 |
| 51 | 1581 | UNIT 119 - VTAC | 2 | 20 | B | 30 | 2 | UNIT 117 - VTAC | 2330 | 52 |
| 53 | 1581 | | - | - | C | - | - | | 2330 | 54 |
| 55 | 1581 | UNIT 121 - VTAC | 2 | 20 | A | 20 | 2 | UNIT 119 - VTAC | 1583 | 56 |
| 57 | 1581 | | - | - | B | - | - | | 1583 | 58 |
| 59 | 1581 | UNIT 123 - VTAC | 2 | 20 | C | 20 | 1 | SPARE | - | 60 |
| 61 | 1581 | | - | - | A | 20 | 1 | SPARE | - | 62 |
| 63 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 64 |
| 65 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 66 |
| 67 | - | SPARE | 1 | 20 | A | 20 | 1 | SPARE | - | 68 |
| 69 | - | SPARE | 1 | 20 | B | 20 | 1 | SPARE | - | 70 |
| 71 | - | SPARE | 1 | 20 | C | 20 | 1 | SPARE | - | 72 |

## LP-AL1E

DESCRIPTION: 400A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 60kW= 168A
DEMANDED LOAD CONTINUOUS: 66kW= 184A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 102 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 108 A - REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 102 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 108 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 102 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 108 C - MICROWAVE | 1500 | 6 |
| 7 | 900 | UNIT 102 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 108 D - LIVING RM RCPT 1 | 720 | 8 |
| 9 | 900 | UNIT 102 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 108 E - LIVING RM RCPT 2 | 900 | 10 |
| 11 | 180 | UNIT 102 F - BATHROOM | 1 | 20 | C | 20 | 1 | UNIT 108 F - BEDRM 1 RCPTS | 1080 | 12 |
| 13 | | SPARE | 1 | 20 | A | 20 | 1 | UNIT 108 G - BATH 1 RCPT | 180 | 14 |
| 15 | 1200 | UNIT 104 A - REFRIGERATOR | 1 | 20 | B | 20 | 1 | UNIT 108 H - BEDRM 2 RCPTS | 1080 | 16 |
| 17 | 360 | UNIT 104 B - KITCHEN | 1 | 20 | C | 20 | 1 | UNIT 108 I - BATH 2 RCPT | 180 | 18 |
| 19 | 1500 | UNIT 104 C - MICROWAVE | 1 | 20 | A | 20 | 1 | SPARE | | 20 |
| 21 | 900 | UNIT 104 D - LIVING RM RCPT 1 | 1 | 20 | B | 20 | 1 | UNIT 110 A - REFRIGERATOR | 1200 | 22 |
| 23 | 900 | UNIT 104 E - LIVING RM RCPTS 2 | 1 | 20 | C | 20 | 1 | UNIT 110 B - KITCHEN | 360 | 24 |
| 25 | 180 | UNIT 104 F - BATHROOM | 1 | 20 | A | 20 | 1 | UNIT 110 C - MICROWAVE | 1500 | 26 |
| 27 | | SPARE | 1 | 20 | B | 20 | 1 | UNIT 110 D - LIVING RM RCPT 1 | 900 | 28 |
| 29 | 1200 | UNIT 106 A - REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 110 E - LIVING RM RCPTS 2 | 900 | 30 |
| 31 | 360 | UNIT 106 B - KITCHEN | 1 | 20 | A | 20 | 1 | UNIT 110 F - BATHROOM | 180 | 32 |
| 33 | 1500 | UNIT 106 C - MICROWAVE | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 900 | UNIT 106 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | UNIT 111 A - REFRIGERATOR | 1200 | 36 |
| 37 | 900 | UNIT 106 E - LIVING RM RCPTS 2 | 1 | 20 | A | 20 | 1 | UNIT 111 B - KITCHEN | 360 | 38 |
| 39 | 180 | UNIT 106 F - BATHROOM | 1 | 20 | B | 20 | 1 | UNIT 111 C - MICROWAVE | 1500 | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | UNIT 111 D - LIVING RM RCPT 1 | 900 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | UNIT 111 E - LIVING RM RCPTS 2 | 900 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | UNIT 111 F - BATHROOM | 180 | 46 |
| 47 | 1341 | UNIT 102, 104, 106 - LTG | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 942 | UNIT 108 - LTG | 1 | 20 | A | 20 | 1 | UNIT 110, 111 - LTG | 894 | 50 |
| 51 | 1831 | UNIT 102 - VTAC | 2 | 25 | B | 40 | 2 | UNIT 108 - VTAC | 3245 | 52 |
| 53 | 1831 | | - | - | C | - | - | | 3245 | 54 |
| 55 | 1581 | UNIT 104 - VTAC | 2 | 20 | A | 30 | 2 | UNIT 110 - VTAC | 2330 | 56 |
| 57 | 1581 | | - | - | B | - | - | | 2330 | 58 |
| 59 | 1581 | UNIT 106 - VTAC | 2 | 20 | C | 25 | 2 | UNIT 111 - VTAC | 1831 | 60 |
| 61 | 1581 | | - | - | A | - | - | | 1831 | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1B

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 58kW= 162A
DEMANDED LOAD CONTINUOUS: 65kW= 179A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 138 A-REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 143 A-REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 138 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 143 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 138 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 143 C - MICROWAVE | 1500 | 6 |
| 7 | 360 | UNIT 138 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 143 D - LIVING RM RCPT 1 | 360 | 8 |
| 9 | 900 | UNIT 138 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 143 E - LIVING RM RCPTS 2 | 900 | 10 |
| 11 | 1080 | UNIT 138 F - BEDRM RCPTS | 1 | 20 | C | 20 | 1 | UNIT 143 F - BEDRM RCPTS | 1080 | 12 |
| 13 | 180 | UNIT 138 G - BATH RCPT | 1 | 20 | A | 20 | 1 | UNIT 143 G - BATH RCPT | 180 | 14 |
| 15 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 16 |
| 17 | 1200 | UNIT 139 A-REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 145 A-REFRIGERATOR | 1200 | 18 |
| 19 | 360 | UNIT 139 B - KITCHEN | 1 | 20 | A | 20 | 1 | UNIT 145 B - KITCHEN | 360 | 20 |
| 21 | 1500 | UNIT 139 C - MICROWAVE | 1 | 20 | B | 20 | 1 | UNIT 145 C - MICROWAVE | 1500 | 22 |
| 23 | 900 | UNIT 139 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | UNIT 145 D - LIVING RM RCPT 1 | 900 | 24 |
| 25 | 900 | UNIT 139 E - LIVING RM RCPTS 2 | 1 | 20 | A | 20 | 1 | UNIT 145 E - LIVING RM RCPTS 2 | 900 | 26 |
| 27 | 180 | UNIT 139 F - BATHROOM | 1 | 20 | B | 20 | 1 | UNIT 145 F - BATHROOM | 180 | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | 1200 | UNIT 141 A-REFRIGERATOR | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | 360 | UNIT 141 B - KITCHEN | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 1500 | UNIT 141 C - MICROWAVE | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | 360 | UNIT 141 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | 900 | UNIT 141 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 1080 | UNIT 141 F - BEDRM RCPTS | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | 180 | UNIT 141 G - BATH RCPT | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 989 | UNIT 138, 139 - LTG | 1 | 20 | A | 20 | 1 | UNIT 141, 143, 145 - LTG | 1531 | 50 |
| 51 | 3245 | UNIT 138 - VTAC | 2 | 40 | B | 30 | 2 | UNIT 143 - VTAC | 2496 | 52 |
| 53 | 3245 | | - | - | C | - | - | | 2496 | 54 |
| 55 | 3245 | UNIT 139 - VTAC | 2 | 40 | A | 25 | 2 | UNIT 145 - VTAC | 1831 | 56 |
| 57 | 3245 | | - | - | B | - | - | | 1831 | 58 |
| 59 | 3661 | UNIT 141 - VTAC | 2 | 45 | C | 20 | 1 | SPARE | | 60 |
| 61 | 3661 | | - | - | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1J

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 18kW= 50A
DEMANDED LOAD CONTINUOUS: 18kW= 51A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1080 | RCPT - CORR 173 | 1 | 20 | A | 20 | 1 | INSTAN. WH RCPT 1 | 1000 | 2 |
| 3 | 1080 | RCPT - CORR 172 | 1 | 20 | B | 20 | 1 | INSTAN. WH RCPT 2 | 1000 | 4 |
| 5 | 1080 | RCPT - CORR 169 | 1 | 20 | C | 20 | 1 | INSTAN. WH RCPT 3 | 1000 | 6 |
| 7 | 720 | RCPT - MECH 171 | 1 | 20 | A | 20 | 1 | INSTAN. WH RCPT 4 | 1000 | 8 |
| 9 | 720 | RCPT - CORR 167 | 1 | 20 | B | 20 | 1 | INSTAN. WH RCPT 5 | 1000 | 10 |
| 11 | 1080 | RCPT - OFFICE 166 | 1 | 20 | C | 20 | 1 | INSTAN. WH RCPT 6 | 1000 | 12 |
| 13 | 1200 | COURTYARD 3 PUMP | 1 | 20 | A | 20 | 1 | INSTAN. WH RCPT 7 | 1000 | 14 |
| 15 | 720 | RCPT - COURTYARD 3 | 1 | 20 | B | 20 | 1 | WATER SOFT. RECPT. | 500 | 16 |
| 17 | 360 | RCPT - IT 170 | 1 | 20 | C | 20 | 1 | RP-1 | 265 | 18 |
| 19 | | SPARE | 1 | 20 | A | 20 | 1 | RP-3 | 265 | 20 |
| 21 | | SPARE | 1 | 20 | B | 20 | 1 | TMV | 180 | 22 |
| 23 | | SPARE | 1 | 20 | C | 20 | 1 | MISC - DOOR HOLDS | 500 | 24 |
| 25 | | SPARE | 1 | 20 | A | 20 | 1 | WM VAULT SUMP PUMP | 870 | 26 |
| 27 | | SPARE | 1 | 20 | B | 20 | 2 | WM VAULT UNIT HEATER | 250 | 28 |
| 29 | | SPARE | 1 | 20 | C | | | | 250 | 30 |
| 31 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1F

DESCRIPTION: 225A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 54kW= 150A
DEMANDED LOAD CONTINUOUS: 62kW= 172A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 101 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 107 A - REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 101 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 107 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 101 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 107 C - MICROWAVE | 1500 | 6 |
| 7 | 360 | UNIT 101 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 107 D - LIVING RM RCPT 1 | 360 | 8 |
| 9 | 900 | UNIT 101 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 107 E - LIVING RM RCPTS 2 | 900 | 10 |
| 11 | 1080 | UNIT 101 F - BEDRM RCPTS | 1 | 20 | C | 20 | 1 | UNIT 107 F - BEDRM RCPTS | 1080 | 12 |
| 13 | 180 | UNIT 101 G - BATH RCPT | 1 | 20 | A | 20 | 1 | UNIT 107 G - BATH RCPT | 180 | 14 |
| 15 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 16 |
| 17 | 1200 | UNIT 103 A - REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 109 A - REFRIGERATOR | 1200 | 18 |
| 19 | 360 | UNIT 103 B - KITCHEN | 1 | 20 | A | 20 | 1 | UNIT 109 B - KITCHEN | 360 | 20 |
| 21 | 1500 | UNIT 103 C - MICROWAVE | 1 | 20 | B | 20 | 1 | UNIT 109 C - MICROWAVE | 1500 | 22 |
| 23 | 900 | UNIT 103 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | UNIT 109 D - LIVING RM RCPT 1 | 360 | 24 |
| 25 | 900 | UNIT 103 E - LIVING RM RCPTS 2 | 1 | 20 | A | 20 | 1 | UNIT 109 E - LIVING RM RCPTS 2 | 900 | 26 |
| 27 | 180 | UNIT 103 F - BATHROOM | 1 | 20 | B | 20 | 1 | UNIT 109 F - BEDRM RCPTS | 1080 | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | UNIT 109 G - BATH RCPT | 180 | 30 |
| 31 | 1200 | UNIT 105 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | 360 | UNIT 105 B - KITCHEN | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 1500 | UNIT 105 C - MICROWAVE | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | 900 | UNIT 105 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | 900 | UNIT 105 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 180 | UNIT 105 F - BATHROOM | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 1436 | UNIT 101, 103, 105 - LTG | 1 | 20 | A | 20 | 1 | UNIT 107, 179 - LTG | 1084 | 50 |
| 51 | 2496 | UNIT 101 - VTAC | 2 | 30 | B | 30 | 2 | UNIT 107 - VTAC | 2496 | 52 |
| 53 | 2496 | | - | - | C | - | - | | 2496 | 54 |
| 55 | 1831 | UNIT 103 - VTAC | 2 | 25 | A | 45 | 2 | UNIT 109 - VTAC | 3661 | 56 |
| 57 | 1831 | | - | - | B | - | - | | 3661 | 58 |
| 59 | 1831 | UNIT 105 - VTAC | 2 | 25 | C | 20 | 1 | SPARE | | 60 |
| 61 | 1831 | | - | - | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-AL1C

DESCRIPTION: 400A MLO — 100% Neutral Bus w/ Double Lugs — 10 kAIC RATING

VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 65kW= 180A
DEMANDED LOAD CONTINUOUS: 71kW= 198A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1200 | UNIT 136 A - REFRIGERATOR | 1 | 20 | A | 20 | 1 | UNIT 126 A - REFRIGERATOR | 1200 | 2 |
| 3 | 360 | UNIT 136 B - KITCHEN | 1 | 20 | B | 20 | 1 | UNIT 126 B - KITCHEN | 360 | 4 |
| 5 | 1500 | UNIT 136 C - MICROWAVE | 1 | 20 | C | 20 | 1 | UNIT 126 C - MICROWAVE | 1500 | 6 |
| 7 | 900 | UNIT 136 D - LIVING RM RCPT 1 | 1 | 20 | A | 20 | 1 | UNIT 126 D - LIVING RM RCPT 1 | 900 | 8 |
| 9 | 900 | UNIT 136 E - LIVING RM RCPTS 2 | 1 | 20 | B | 20 | 1 | UNIT 126 E - LIVING RM RCPTS 2 | 900 | 10 |
| 11 | 180 | UNIT 136 F - BATHROOM | 1 | 20 | C | 20 | 1 | UNIT 126 F - BATHROOM | 180 | 12 |
| 13 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 14 |
| 15 | 1200 | UNIT 137 A - REFRIGERATOR | 1 | 20 | B | 20 | 1 | UNIT 128 A - REFRIGERATOR | 1200 | 16 |
| 17 | 360 | UNIT 137 B - KITCHEN | 1 | 20 | C | 20 | 1 | UNIT 128 B - KITCHEN | 360 | 18 |
| 19 | 1500 | UNIT 137 C - MICROWAVE | 1 | 20 | A | 20 | 1 | UNIT 128 C - MICROWAVE | 1500 | 20 |
| 21 | 900 | UNIT 137 D - LIVING RM RCPT 1 | 1 | 20 | B | 20 | 1 | UNIT 128 D - LIVING RM RCPT 1 | 900 | 22 |
| 23 | 900 | UNIT 137 E - LIVING RM RCPTS 2 | 1 | 20 | C | 20 | 1 | UNIT 128 E - LIVING RM RCPTS 2 | 900 | 24 |
| 25 | 180 | UNIT 137 F - BATHROOM | 1 | 20 | A | 20 | 1 | UNIT 128 F - BATHROOM | 180 | 26 |
| 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | 1200 | UNIT 130 A - REFRIGERATOR | 1 | 20 | C | 20 | 1 | UNIT 124 A - REFRIGERATOR | 1200 | 30 |
| 31 | 360 | UNIT 130 B - KITCHEN | 1 | 20 | A | 20 | 1 | UNIT 124 B - KITCHEN | 360 | 32 |
| 33 | 1500 | UNIT 130 C - MICROWAVE | 1 | 20 | B | 20 | 1 | UNIT 124 C - MICROWAVE | 1500 | 34 |
| 35 | 720 | UNIT 130 D - LIVING RM RCPT 1 | 1 | 20 | C | 20 | 1 | UNIT 124 D - LIVING RM RCPT 1 | 360 | 36 |
| 37 | 900 | UNIT 130 E - LIVING RM RCPT 2 | 1 | 20 | A | 20 | 1 | UNIT 124 E - LIVING RM RCPTS 2 | 900 | 38 |
| 39 | 1080 | UNIT 130 F - BEDRM 1 RCPTS | 1 | 20 | B | 20 | 1 | UNIT 124 F - BEDRM RCPTS | 1080 | 40 |
| 41 | 180 | UNIT 130 G - BATH 1 RCPT | 1 | 20 | C | 20 | 1 | UNIT 124 G - BATH RCPT | 180 | 42 |
| 43 | 1080 | UNIT 130 H - BEDRM 2 RCPTS | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | 180 | UNIT 130 I - BATH 2 RCPT | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | UNIT 130 - LTG | 942 | 48 |
| 49 | 894 | UNIT 136, 137 - LTG | 1 | 20 | A | 20 | 1 | UNIT 124, 126, 128 - LTG | 1436 | 50 |
| 51 | 1831 | UNIT 136 - VTAC | 2 | 25 | B | 25 | 2 | UNIT 126 - VTAC | 1831 | 52 |
| 53 | 1831 | | - | - | C | - | - | | 1831 | 54 |
| 55 | 1831 | UNIT 137- VTAC | 2 | 25 | A | 25 | 2 | UNIT 128 - VTAC | 1831 | 56 |
| 57 | 1831 | | - | - | B | - | - | | 1831 | 58 |
| 59 | 3661 | UNIT 130 - VTAC | 2 | 45 | C | 30 | 2 | UNIT 124 - VTAC | 2496 | 60 |
| 61 | 3661 | | - | - | A | - | - | | 2496 | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 2 | LTS - EXTERIOR POLE | 695 | 64 |
| 65 | | SPARE | 1 | 20 | C | | | | 695 | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 2 | LTS - EXTERIOR PEDEST. | 195 | 68 |
| 69 | | SPARE | 1 | 20 | B | | | | 195 | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020

SWD ARCHITECTS EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073


H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588


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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI


STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978


SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI — CASEY JOHN STEINER — NUMBER PE-2009035182 — PROFESSIONAL ENGINEER
8/10/19

MCAL BUILDING
ELECTRICAL SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
E6.2


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RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020

## KITCHEN ELECTRICAL EQUIPMENT SCHEDULE

| MARK | DESCRIPTION | MANUFACTURER | MODEL | VOLTAGE | PHASE | LOAD AMPS | TYPE OF CONNECTION | PANEL | CIRCUIT | WIRE AND CONDUIT | MOUNTING HEIGHT AFF | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E-1 | ICE MAKER | HOSHIZAKI | KM-520MAJ | 115 | 1 | 10.6 | DIRECT | KLP-1 | 1 | (2) #12, #12 G - 1/2" C. | 74" | 1 |
| E-4 | BAG IN BOX SODA SYSTEM | BY OTHERS | - | 120 | 1 | - | - | KLP-1 | 2 | (2) #12, #12 G - 1/2" C. | 74" | 1,3 |
| E-5 | FOOD SLICER | GLOBE | G12 | 115 | 1 | 3.0 | NEMA 5-15P | KLP-1 | 31 | (2) #12, #12 G - 1/2" C. | FLOOR | 1,3 |
| E-10 | FOOD PROCESSOR | WARING | WFP16SCD | 120 | 1 | 12.0 | NEMA 5-15P | KLP-1 | 30 | (2) #12, #12 G - 1/2" C. | FLOOR | 1,3 |
| E-15 | FOOD PROCESSOR | ROBOT COUPE | R301 ULTRA | 120 | 1 | 12.0 | NEMA 5-15P | KLP-1 | 38 | (2) #12, #12 G - 1/2" C. | 54" | 1,3 |
| E-17 | PLANETARY MIXER | GLOBE | SP20 | 115 | 1 | 6.0 | NEMA 5-15P | KLP-1 | 40 | (2) #12, #12 G - 1/2" C. | 48" | 1,3 |
| E-21 | WALK-IN COOLER | BALLY | WICF | | | | | | | | | |
| E-22 | MED. TEMP. EVAPORATOR COIL | | | 115 | 1 | 1.8 | DIRECT | KLP-1 | 36 | (2) #12, #12 G - 1/2" C. | | |
| E-22A | MED. TEMP CONDENSER | | | 208 | 3 | 6.9 | DIRECT | KLP-1 | 24,26,28 | (4) #12, #12 G - 1/2" C. | | |
| E-23 | LOW TEMP. COIL HEATER TAPE | | | 120 | 1 | - | DIRECT | KLP-1 | 16 | (4) #12, #12 G - 1/2" C. | | |
| E-23A | LOW TEMP. CONDENSER | | | 208 | 3 | 12.1 | DIRECT | KLP-1 | 35,37,39 | (2) #12, #12 G - 1/2" C. | | |
| | LOW TEMP. EVAPORATOR COIL | | | 208 | 1 | 10.3 | DIRECT | KLP-1 | 32,34 | (3) #12, #12 G - 1/2" C. | | |
| | LOW TEMP. COIL DEFROST HTR. | | | 115 | 1 | 8.2 | DIRECT | KLP-1 | 19 | (2) #12, #12 G - 1/2" C. | | |
| E-27 | REACH-IN DUAL-TEMP | TURBO AIR | M3RF19-2-N | 115 | 1 | 4.1 | NEMA 5-15P | KLP-1 | 22 | (2) #12, #12 G - 1/2" C. | 24" | 1,3 |
| E-28 | MOBILE HEATED CABINET | CRES COR | H-135-WUA-11-R | 120 | 1 | 16.0 | NEMA 5-20P | KLP-1 | 41 | (2) #12, #12 G - 1/2" C. | 24" | 1,3 |
| E-29 | EXHAUST HOOD | CAPTIVEAIRE | 5424ND-2-PSP-F | 120 | 1 | 12.0 | DIRECT | KLP-1 | 17 | (2) #12, #12 G - 1/2" C. | | 1 |
| E-31 | EXHAUST FAN | CAPTIVEAIRE | DU85HFA | 208 | 3 | 2.6 | DIRECT | KLP-1 | 74,76,78,80 | (4) #12, #12 G - 1/2" C. | | 1 |
| E-31.1 | EXHAUST FAN | CAPTIVEAIRE | DU240HFA | 208 | 3 | 10.2 | DIRECT | KLP-1 | 64,66,68,70 | (4) #12, #12 G - 1/2" C. | | 1 |
| E-32 | MAKE-UP AIR UNIT | CAPTIVEAIRE | A2-D.250-200 | 208 | 3 | 9.5 | DIRECT | KLP-1 | 73,75,77,79 | (4) #12, #12 G - 1/2" C. | | 1 |
| E-33 | FIRE SUPPRESSION SYSTEM | | | 120 | 1 | 12.0 | DIRECT | KLP-1 | 65 | (2) #12, #12 G - 1/2" C. | | 1 |
| E-36 | CONVECTION OVEN | BLODGETT OVEN | SHO-100-G ADDL | 120 | 1 | 6.0 | NEMA 5-15P | KLP-1 | 58,60 | (3) #12, #12 G - 1/2" C. | 40" | 1,2,3 |
| E-37 | HYDROVECTION OVEN | BLODGETT OVEN | HVH-100G BASE | 120 | 1 | 10.0 | NEMA 5-20P | KLP-1 | 3,5 | (2) #12, #12 G - 1/2" C. | 16" | 1,2,3 |
| E-38 | 6 BURNER RANGE | SOUTHBEND | 4361A | 115 | 1 | 5.9 | NEMA 5-20P | KLP-1 | 13,15 | (2) #12, #12 G - 1/2" C. | 16" | 1,2,3 |
| E-41 | REFRIGERATOR EQUIP. STAND | NOR-LAKE | NLCB84 | 115 | 1 | 6.0 | NEMA 5-15P | KLP-1 | 9,11 | (2) #12, #12 G - 1/2" C. | 16" | 1,2,3 |
| E-43 | COUNTERTOP KETTLE | CROWN | EC-12TW | 208 | 3 | 33.3 | DIRECT | KLP-1 | 4,6,8 | (4) #6, #10 G - 1" C. | 24" | 1,2 |
| E-44 | REACH-IN REFRIGERATOR | NOR-LAKE | NR242SSS/0X | 115 | 1 | 4.9 | NEMA 5-15P | KLP-1 | 12 | (2) #12, #12 G - 1/2" C. | FLOOR | |
| E-46 | SANDWICH/SALAD REFRIGERATOR | NOR-LAKE | NLSP48-12A | 115 | 1 | 5.2 | NEMA 5-15P | KLP-1 | 10 | (2) #12, #12 G - 1/2" C. | FLOOR | |
| E-47 | WAFFLE MAKER | STAR | SWBB | 120 | 1 | 7.5 | NEMA 5-15P | KLP-1 | 18 | (2) #12, #12 G - 1/2" C. | FLOOR | |
| E-48 | CONVEYOR TOASTER | HATCO | TQ-10 | 120 | 1 | 15.0 | NEMA 5-15P | KLP-1 | 33 | (2) #12, #12 G - 1/2" C. | FLOOR | |
| E-54 | MICROWAVE OVEN | MENUMASTER | MCS10TS | 120 | 1 | 13.0 | NEMA 5-15P | KLP-1 | 20 | (2) #12, #12 G - 1/2" C. | FLOOR | |
| E-55 | HEAT LAMP | HATCO | GRAL-60D3 | 120 | 1 | 12.5 | DIRECT | KLP-1 | 43 | (2) #12, #12 G - 1/2" C. | FLOOR | |
| E-56 | DROP-IN HOT WELLS | HATCO | HWB1-4M | 208 | 1 | 23.2 | DIRECT | KLP-1 | 67,69 | (3) #12, #12 G - 1/2" C. | FLOOR | |
| E-67 | DISHWASHER | HOBART | AM15-2 | 208 | 3 | 24.6 | DIRECT | KLP-1 | 45,47,49 | (3) #10, #10 G - 3/4" C. | 12" | 1 |
| E-67.1 | DISHWASHER (BOOSTER) | HOBART | AM15-2 | 208 | 3 | 20.4 | DIRECT | KLP-1 | 59,61,63 | (3) #10, #10 G - 3/4" C. | 12" | 1 |
| E-68 | HOOD SYSTEM, CONDENSATE | CAPTIVEAIRE | 4824VHB-G | - | - | - | DIRECT | KLP-1 | 27 | - | - | |
| E-69 | EXHAUST FAN | CAPTIVEAIRE | DU12HFA | 115 | 1 | 3.7 | DIRECT | KLP-1 | 62 | (2) #12, #12 G - 1/2" C. | | 1 |
| E-73 | DISPOSER | SALVAJOR | 200-SA-6-MRSS | 208 | 3 | 6.6 | DIRECT | KLP-1 | 42,44,46 | (3) #12, #12 G - 1/2" C. | 12" | 3 |
| E-101 | ICE CREAM DIPPER | DELFIELD | N227P | 120 | 1 | 2.9 | NEMA 5-15P | KLP-1 | 53 | (2) #12, #12 G - 1/2" C. | 16" | 2,3 |
| E-108 | REACH-IN REFRIGERATOR | NOR-LAKE | NLUR27A-014 | 115 | 1 | 4.9 | NEMA 5-15P | KLP-1 | 14 | (2) #12, #12 G - 1/2" C. | 80" | 2,3 |
| E-109 | ICE/WATER DISPENSER | HOSHIZAKI | DCM-300BAH-OS | 115 | 1 | 10.3 | DIRECT | KLP-1 | 48 | (2) #12, #12 G - 1/2" C. | 66" | 3 |
| E-110 | TEA DISPENSER | BY OWNER | | 120 | 1 | - | NEMA 5-15P | KLP-1 | 29 | (2) #12, #12 G - 1/2" C. | 54" | 2,3 |
| E-111 | JUICE DISPENSER | BY OWNER | | 120 | 1 | - | NEMA 5-15P | KLP-1 | 50 | (2) #12, #12 G - 1/2" C. | 54" | 2,3 |
| E-112 | COFFEE BREWER | BY OWNER | | 230 | 1 | 24.0 | - | KLP-1 | 52,54 | (3) #10, #10 G - 1/2" C. | 54" | |
| E-114 | SODA DISPENSER | BY OWNER | | 120 | 1 | 16.0 | - | KLP-1 | 56 | (2) #12, #12 G - 1/2" C. | 16" | 2,3 |
| E-CO | CONVENIENCE OUTLET | | | 120 | 1 | 16.0 | - | KLP-1 | 7 | (2) #12, #12 G - 1/2" C. | 54" | 2,3 |
| E-156 | ICE/WATER DISPENSER | HOSHIZAKI | DCM-300BAH-OS | 115 | 1 | 10.3 | DIRECT | KLP-1 | 85 | (2) #12, #12 G - 1/2" C. | 72" | 3 |
| E-160 | PASS-THRU DISPLAY CASE | VOLLRATH | 40881 | 120 | 1 | 7.4 | NEMA 5-15P | KLP-1 | 87 | (2) #12, #12 G - 1/2" C. | 16" | 2,3 |
| E-163 | ICE CREAM DIPPER | DELFIELD | N225P | 120 | 1 | 1.8 | NEMA 5-15P | KLP-1 | 89 | (2) #12, #12 G - 1/2" C. | 16" | 2,3 |
| E-164 | REFRIGERATED BACK BAR | PERLICK | BBSLP60 | 120 | 1 | 2.5 | NEMA 5-15P | KLP-1 | 91 | (2) #12, #12 G - 1/2" C. | 12" | 2,3 |
| E-165 | COFFEE BREWER | BY OWNER | | 120 | 1 | 12.0 | - | KLP-1 | 93 | (2) #12, #12 G - 1/2" C. | 54" | 3 |
| E-166 | PIZZA OVEN | WARING | WPO750 | 208 | 1 | 15.3 | DIRECT | KLP-1 | 95,97 | (3) #12, #12 G - 1/2" C. | 54" | 3 |
| E-250 | REACH-IN REFRIGERATOR | NOR-LAKE | NLUR27A-014 | 115 | 1 | 4.9 | NEMA 5-15P | KLP-1 | 86 | (2) #12, #12 G - 1/2" C. | 78" | 3 |
| E-251 | SODA DISPENSER | BY OWNER | | 120 | 1 | 16.0 | - | KLP-1 | 88 | (2) #12, #12 G - 1/2" C. | 16" | 2,3 |
| E-252 | TEA DISPENSER | BY OWNER | | 120 | 1 | - | NEMA 5-15P | KLP-1 | 90 | (2) #12, #12 G - 1/2" C. | 54" | 2,3 |
| E-253 | COFFEE BREWER | BY OWNER | | 230 | 1 | 24.0 | - | KLP-1 | 92,94 | (3) #10, #10 G - 1/2" C. | 54" | |
| E-254 | JUICE DISPENSER | BY OWNER | | 120 | 1 | - | NEMA 5-15P | KLP-1 | 96 | (2) #12, #12 G - 1/2" C. | 54" | 2,3 |
| E-255 | ICE/WATER DISPENSER | HOSHIZAKI | DCM-300BAH-OS | 115 | 1 | 10.3 | DIRECT | KLP-1 | 98 | (2) #12, #12 G - 1/2" C. | 72" | 3 |
| E-257 | ICE CREAM DIPPER | DELFIELD | N227P | 120 | 1 | 2.9 | NEMA 5-15P | KLP-1 | 100 | (2) #12, #12 G - 1/2" C. | 16" | 2,3 |

**NOTES.**
1. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. CONTROL PANEL TO SHUT DOWN CIRCUIT UPON ACTIVATION OF ANSUL SYSTEM.
2. PROVIDE WITH GFCI RECEPTACLE.
3. COORDINATE EXACT MOUNTING HEIGHT WITH KITCHEN CONTRACTOR.

**GENERAL NOTES.**
A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FOODSERVICE EQUIPMENT.
B. THE ELECTRICAL CONTRACTOR TO FURNISH THE FOLLOWING: JUNCTION BOXES, METAL CONDUIT, WIRING, CONVENIENCE OUTLETS WITH COVERS, SWITCHES, CONNECTORS, CONTROLS, ALL PLUG AND CORDS AS REQUIRED FOR THE FOODSERVICE EQUIPMENT, SHUNT-TRIP BREAKERS, AND DISCONNECTS.

## MEMORY CARE KITCHEN ELECTRICAL EQUIPMENT SCHEDULE

| MARK | DESCRIPTION | MANUFACTURER | MODEL | VOLTAGE | PHASE | LOAD AMPS | TYPE OF CONNECTION | PANEL | CIRCUIT | WIRE AND CONDUIT | MOUNTING HEIGHT AFF | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E-301 | REACH-IN DUAL-TEMP | TURBO AIR | M3RF19-2-N | 115 | 1 | 4.8 | NEMA 5-15P | KLP-MC | 3 | (2) #12, #12 G - 1/2" C. | 24" | 1,3 |
| E-302 | JUICE DISPENSER | BY OWNER | | 120 | 1 | 8.0 | - | KLP-MC | 5 | (2) #12, #12 G - 1/2" C. | 54" | 1,3 |
| E-304 | COFFEE BREWER | BY OWNER | | 230 | 1 | 24.0 | - | KLP-MC | 7,9 | (3) #10, #10 G - 1/2" C. | 54" | 1 |
| E-305 | ICE/WATER DISPENSER | HOSHIZAKI | DCM-300BAH-OS | 115 | 1 | 10.3 | DIRECT | KLP-MC | 11 | (2) #12, #12 G - 1/2" C. | 72" | 1,3 |
| E-307 | MICROWAVE OVEN | MENUMASTER | MCS10TS | 120 | 1 | 13.0 | NEMA 5-15P | KLP-MC | 4 | (2) #12, #12 G - 1/2" C. | 66" | 1,3 |
| E-310 | REACH-IN DUAL-TEMP | CAMBRO | UPCH800110 | 115 | 1 | 2.0 | NEMA 5-15P | KLP-MC | 2 | (2) #12, #12 G - 1/2" C. | 24" | 1,3 |
| E-311 | POP-UP TOASTER | WARING | WCT800 | 120 | 1 | 18.3 | NEMA 5-15P | KLP-MC | 6 | (2) #12, #12 G - 1/2" C. | 54" | 1,3 |
| E-312 | DROP-IN HOT WELLS | HATCO | HWB1-3M | 208 | 1 | 17.4 | DIRECT | KLP-MC | 10,12 | (3) #12, #12 G - 1/2" C. | 24" | |
| E-350 | BACK BAR CABINET | PERLICK | BBSLP650 | 120 | 1 | 2.5 | NEMA 5-15P | KLP-MC | 8 | (2) #12, #12 G - 1/2" C. | 24" | 1,3 |
| E-351 | COFFEE BREWER | BY OWNER | | 230 | 1 | 24.0 | - | KLP-MC | 13,15 | (3) #10, #10 G - 1/2" C. | 54" | 1 |
| E-352 | ICE/WATER DISPENSER | HOSHIZAKI | DCM-300BAH-OS | 115 | 1 | 10.3 | DIRECT | KLP-MC | 17 | (2) #12, #12 G - 1/2" C. | 72" | 1,3 |

**NOTES.**
1. COORDINATE EXACT MOUNTING HEIGHT WITH KITCHEN CONTRACTOR.
2. ROUTE CIRCUIT THROUGH HOOD CONTROL PANEL. CONTROL PANEL TO SHUT DOWN CIRCUIT UPON ACTIVATION OF ANSUL SYSTEM.
3. PROVIDE WITH GFCI RECEPTACLE.

**GENERAL NOTES.**
A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FOODSERVICE EQUIPMENT.
B. THE ELECTRICAL CONTRACTOR TO FURNISH THE FOLLOWING: JUNCTION BOXES, METAL CONDUIT, WIRING, CONVENIENCE OUTLETS WITH COVERS, SWITCHES, CONNECTORS, CONTROLS, ALL PLUG AND CORDS AS REQUIRED FOR THE FOODSERVICE EQUIPMENT, SHUNT-TRIP BREAKERS, AND DISCONNECTS.

## LIGHT FIXTURE SCHEDULE

| MARK | MANUFACTURER | MODEL | LAMP DATA: LUMENS | LAMP DATA: TYPE | LAMP DATA: COLOR (K) | VOLTS | MOUNTING | TOTAL WATTS | DESCRIPTION | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| A | SIGNIFY | 5TR830K10 | 1000 | LED | 3000 | 120 | SURFACE | 14.2 | 7" SLIM SURFACE LED | 5,7 |
| A1 | SIGNIFY | 510R830K22 | 2200 | LED | 3000 | 120 | SURFACE | 23.2 | 10" SLIM SURFACE LED | 5,7 |
| B | BROWNLEE LIGHTING | 2059-16-BN-C24LED-WA-30K-ES | 2438 | LED | 3000 | 120 | SURFACE | 24 | 16" DIAMETER LED FLUSH MOUNT DOME | 5 |
| C | BROWNLEE LIGHTING | 5673-637LED-ES | 1350 | LED | 3000 | 120 | WALL | 21 | 3-LIGHT LED VANITY LIGHT | 5,11 |
| C1 | CAPITAL LIGHTING | 1238MN-451 | 2400 | (3) 60 W INCAN. | 3000 | 120 | WALL | 180 | 3-LIGHT VANITY FIXTURE | 5,11 |
| D | BROWNLEE LIGHTING | 5672-627LED-ES | 900 | LED | 3000 | 120 | WALL | 14 | 2-LIGHT LED VANITY LIGHT | 5,11 |
| G | PROGRESS LIGHTING | P8022-28-30K | 1050 | LED | 3000 | 120 | SURFACE | 17 | 7" LED WET LOCATION | |
| H | SEAGULL LIGHTING | 61660-962 | 900 | LED MEDIUM A19 | 3000 | 120 | PENDANT | 13.5 | ROD HUNG PENDANT | 5 |
| HA | THOMAS LIGHTING | M251878 | 1600 | (1) 60 W LED EQ. MED BASE | 3000 | 120 | PENDANT | 13.5 | ONE LIGHT PENDANT | 5 |
| HL | BROAN | 161 | - | IR BULB | - | 120 | RECESSED | 250 | BATHROOM HEAT LAMP | 3 |
| K | PROGRESS LIGHTING | P7510 | 274 | LED | 3000 | 120 | SURFACE | 4.4 | LED UNDER CABINET LIGHT | |
| L | PROGRESS LIGHTING | P7088-0930K9 | 1211 | LED | 3000 | 120 | WALL | 17 | ONE LIGHT LED WALL SCONCE | 5,7,13 |
| LA | CAPITAL LIGHTING | 8021PN-127 | 1100 | LED | 3000 | 120 | WALL | 16 | ONE LIGHT WALL SCONCE | 5,7,13 |
| M | HE WILLIAMS | 39-4-L52/830-DRV-120 | 5200 | LED | 3000 | 120 | SURFACE | 51 | ARCHITECTURAL SURFACE MOUNT LED | |
| N | HE WILLIAMS | ASMS-4-L25/830-A-DRV-UNV | 2500 | LED | 3000 | 120 | SURFACE | 24 | DAMP LOCATION LED SURFACE MOUNT | |
| NL | EATON | 7737W | - | LED | - | 120 | WALL | 1 | LED DIMMABLE NIGHT LIGHT | 5,6 |
| O1 | HE WILLIAMS | 75S-4-L30/830-DRV-120 | 3000 | LED | 3000 | 120 | SURFACE | 23 | SQUARE LENSED LED STRIP | |
| O2 | HE WILLIAMS | 75S-4-L55/830-DRV-120 | 5000 | LED | 3000 | 120 | SURFACE | 44 | SQUARE LENSED LED STRIP | |
| P1 | BY OTHER | CUSTOM | 15000 | LED | 3000 | 120 | PENDANT | 100 | 60" CUSTOM LED LOBBY CHANDELIER | 7 |
| P2 | BY OTHER | CUSTOM | 6250 | LED | 3000 | 120 | PENDANT | 63 | 24" CUSTOM LED DINING CHANDELIER | 7,15 |
| P3 | BY OTHER | CUSTOM | 3125 | LED | 3000 | 120 | PENDANT | 32 | 18" CUSTOM LED HALLWAY CHANDELIER | |
| Q | ELLIPTIPAR | S171-M221-H-02-8-00-0-30-00 | 3000 | LED | 3000 | 120 | WALL | 50 | INDIRECT WALL MOUNT | 11 |
| R1 | CAPITAL LIGHTING | 2015BB-479 | 1350 | (3) 40 W | 3000 | 120 | SURFACE | 120 | 3 LIGHT CEILING FIXTURE | 14 |
| R2 | CAPITAL LIGHTING | 2015MN-480 | 1350 | (3) 40 W | 3000 | 120 | SURFACE | 120 | 3 LIGHT CEILING FIXTURE' | 5 |
| R3 | CAPITAL LIGHTING | 3914BB-458 | 2400 | (3) 60 W LED EQ. MED BASE | 3000 | 120 | PENDANT | 180 | 3 LIGHT SEMI-FLUSH FIXTURE | 14 |
| S1 | ELK LIGHTING | 3012 | 3200 | (6) 60 W LED EQ. B11 | 3000 | 120 | PENDANT | 360 | SIX LIGHT CHANDELIER | 5,7 |
| S2 | FEISS | F3105/6DAC/AC | 3900 | (6) 60W LED EQ. B10 | 3000 | 120 | PENDANT | 360 | LIGHT ISLAND PENDANT | 5,7 |
| T | HE WILLIAMS | 96-4-L40/830-HIAFR-WET/1-DRV-UNV | 4000 | LED | 3000 | 120 | WALL | 30 | 4' ENCLOSED AND GASKETED W/HIGH-IMPACT ACRYLIC LENS | |
| U | - | - | - | LED | - | 120 | WALL | - | UNDERWATER POOL LIGHT | |
| V1 | BROWNLEE LIGHTING | 2070-24-NT-C49LED-SN1-30K-DIM-ES | 4124 | LED | 3000 | 120 | PENDANT | 49 | 24" DIAMETER DIMMING LED CEILING PENDANT | 5,7 |
| V2 | CAPITAL LIGHTING | 3923MN-480 | 2400 | (3) 60 W LED EQ. MED BASE | 3000 | 120 | PENDANT | 180 | THREE LIGHT PENDANT | 5,7 |
| W | ACCLAIM LIGHTING | FLEXP127 | 680/FT | LED | 3000 | 120 | SURFACE | 5.5W/LF | FLEXIBLE LED CIRCUIT STRIP | 7,9,10 |
| X | DUAL LITE | SE--R-W-E | - | LED | - | 120 | SEE PLANS | 4 | LED EXIT SIGN | 1 |
| XB | DUAL LITE | LZ2-03L | - | LED | - | 120 | WALL | 4 | DUAL HEAD LED BUGEYE | |
| Y1 | LED2 | LED2-PANS-22-40W-40 | 4600 | LED | 4000 | 120 | SURFACE | 40 | 2x2 LAY-IN LED PANEL | 7 |
| Y2 | LED2 | LED2-PANS-14-40W-40 | 4700 | LED | 4000 | 120 | SURFACE | 40 | 1x4 LAY-IN LED PANEL | 7 |
| Z | HE WILLIAMS | 75S-2-L15/830-DRV-120 | 1500 | LED | 3000 | 120 | SURFACE | 12 | 2' LED CLOSET LIGHT | 2 |
| AA | PROGRESS LIGHTING | P5806-20 | 2400 | (2) 18W GU24 CFL | 3000 | 120 | WALL | 36 | WET LOCATION WALL SCONCE | |
| BB | MCGRAW-EDISON | IST-B02-LED-E1-GZW-AP-CWB | 4244 | LED | 4000 | 120 | WALL | 42 | LED EXTERIOR WALL MOUNT W/COLD WEATHER BATTERY | 12 |
| CC | NORA | NFBIC-6L12AT-1 / NRM-611-L20-30 | 2000 | LED | 3000 | 120 | RECESSED | 26 | DAMP LOCATION DOWNLIGHT/2-HOUR FIRE RATED | |
| DD | TERON LIGHTING | TLNW-L216.8-SM-120V-277V-CGL-30K | 1880 | LED | 3000 | 120 | WALL | 73 | DIRECT/INDIRECT LED EXTERIOR WALL MOUNT | 5,8 |
| GG | SEAGULL LIGHTING | 84049EN3-185 | 800 | 9.5W MEDIUM A19 LED | 3000 | 120 | WALL | 15 | WET LOCATION WALL SCONCE | |

**NOTES:**
1. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS TO MATCH WHAT IS SHOWN ON DRAWINGS.
2. INSTALL FIXTURE ABOVE DOOR WITHIN CLOSET.
3. PROVIDE FIRE RATED BACKBOX ENCLOSURE FOR RECESSED INSTALLATION IN FIRE-RATED CEILING WHERE REQUIRED. VERIFY EXACT REQUIREMENTS WITH FIXTURE MANUFACTURER.
4. PROVIDE WET LOCATION RATED FOR INSTALLATION ABOVE SHOWER.
5. PROVIDE FIXTURE WITH BRUSHED NICKEL FINISH. VERIFY EXACT SELECTION WITH ARCHITECT PRIOR TO ORDERING.
6. MOUNT FIXTURE WITHIN DOUBLE GANG BOX NEXT TO RECEPTACLE. MOUNTING HEIGHT AS NOTED ON POWER PLANS. PROVIDE DOUBLE-GANG DECORATOR WALL PLATE.
7. PROVIDE FIXTURE WITH DIMMABLE DRIVER.
8. MOUNT FIXTURE AT MOUNTING HEIGHT AS NOTED ON DRAWINGS.
9. FIXTURE SHALL BE CUT AND MODIFIED IN THE FIELD FOR EXACT INSTALLED LENGTH. PROVIDE (1) DIMMING DRIVER MODEL #M300L24DC PER TWO SPOOLS, MANUFACTURERS LOW PROFILE FLEXIBLE MOUNTING CHANNEL, AND ALL OTHER ACCESSORIES FOR A COMPLETE INSTALLATION.
10. FIXTURE SHALL BE MOUNTED IN COVE AS DETAILED BY ARCHITECT OR MOUNTED UNDER CABINET.
11. MOUNT FIXTURE AT 7'-0" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
12. MOUNT FIXTURE AT 8'-6" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
13. MOUNT FIXTURE AT 6'-6" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
14. PROVIDE FIXTURE WITH BURNISHED BRONZE FINISH. VERIFY EXACT SELECTION WITH ARCHITECT PRIOR TO ORDERING.
15. PROVIDE LIFT FOR THIS FIXTURE. COORDINATE LIFT LOCATION AND REQUIREMENTS PRIOR TO ROUGH IN.

**GENERAL NOTES:**
A. ALL FLUORESCENT AND LED LAMPS SHALL BE 3000 K.
B. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.
C. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ALL FIXTURES.
D. PROVIDE NUMBER OF BALLASTS AS REQUIRED TO MATCH SWITCHING SCHEME ON PLANS.
E. NOT ALL FIXTURES WILL APPEAR IN EACH WING.
F. ALL FIXTURES SHALL BE ENERGY STAR RATED.

## LIGHTING CONTROLS SCHEDULE

| MARK | MANUFACTURER | MODEL | DEVICE | MOUNTING | RELAYS | DIMMING | PIR | ULTRA SONIC | TIME DELAY SETTINGS | AMBIENT LIGHT CONTROL | MANUAL ON | AUTO ON | MAXIMUM LOAD | VOLTS | NOTES | CONTROL NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RC1 | WATTSTOPPER | LMRC-101 | ROOM CONTROLLER - SINGLE RELAY | PLENUM | 1 | - | - | - | - | - | - | - | 20A | 120/277 | | |
| RC2 | WATTSTOPPER | LMRC-102 | ROOM CONTROLLER - DUAL RELAY | PLENUM | 2 | - | - | - | - | - | - | - | 20A | 120/277 | | |
| RC3 | WATTSTOPPER | LMRC-211 | ROOM CONTROLLER - SINGLE RELAY LV DIMMING | PLENUM | 1 | 0-10V | - | - | - | - | - | - | 20A | 120/277 | | |
| RC4 | WATTSTOPPER | LMRC-212 | ROOM CONTROLLER - DUAL RELAY LV DIMMING | PLENUM | 2 | 0-10V | - | - | - | - | - | - | 20A | 120/277 | | |
| RC5 | WATTSTOPPER | LMRC-213 | ROOM CONTROLLER - TRIPLE RELAY LV DIMMING | PLENUM | 3 | 0-10V | - | - | - | - | - | - | 20A | 120/277 | | |
| RC6 | WATTSTOPPER | LMRC-221 | ROOM CONTROLLER - SINGLE RELAY UNV DIMMING | PLENUM | 1 | 0%-100% | - | - | - | - | - | - | 20A | 120/277 | | |
| RC7 | WATTSTOPPER | LMRC-222 | ROOM CONTROLLER - DUAL RELAY UNV DIMMING | PLENUM | 2 | 0%-100% | - | - | - | - | - | - | 20A | 120/277 | | |
| O2 | WATTSTOPPER | LMUC-100 | OCCUPANCY SENSOR - ULTRASONIC | CEILING | - | - | - | YES | 15 MINUTES | - | YES | RR/CORR | - | 24VDC | | |
| O3 | WATTSTOPPER | LMDC-100 | OCCUPANCY SENSOR - DUAL | CEILING | - | - | YES | YES | - | - | YES | RR/CORR | - | 24VDC | | |
| O4 | WATTSTOPPER | LMPC-100 | OCCUPANCY SENSOR - PIR | CEILING | - | - | YES | - | 15 MINUTES | - | YES | RR/CORR | - | 24VDC | | |
| W1 | WATTSTOPPER | LMSW-101 | PERSONAL CONTROL - 1 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W2 | WATTSTOPPER | LMSW-102 | PERSONAL CONTROL - 2 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W3 | WATTSTOPPER | LMSW-103 | PERSONAL CONTROL - 3 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W4 | WATTSTOPPER | LMSW-103 | PERSONAL CONTROL - 4 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W5 | WATTSTOPPER | LMSW-105 | PERSONAL CONTROL - 4 BUTTON + PADDLE | WALL | - | YES | - | - | - | - | - | - | - | 24VDC | 1 | |
| WD | WATTSTOPPER | LMDM-101 | PERSONAL CONTROL - DIMMING | WALL | - | YES | - | - | - | - | - | - | - | 24VDC | 1 | |
| WO | WATTSTOPPER | DSW-301 | PERSONAL CONTROL - OCC. SENSOR | WALL | 1 | - | YES | YES | 15 MINUTES | - | YES | NO | 20A | 120/277 | 1 | |
| WDO | WATTSTOPPER | DW-311 | PERSONAL CONTROL - DIMMING/OCC. SENSOR | WALL | 1 | YES | YES | YES | 15 MINUTES | - | YES | NO | 20A | 120/277 | 1 | |
| WT | WATTSTOPPER | TS-400 | ELECTRONIC DIGITAL TIMER SWITCH | WALL | 1 | - | - | - | 30 MINUTES | - | - | - | 20A | 120/277 | 1 | |

**NOTES:**
1. ARCHITECT SHALL SELECT COLOR FROM MANUFACTURER'S COLOR PALATE DURING THE SUBMITTAL PROCESS.

**CONTROL NOTES:**
1. AUTO ON (OCCUPANCY MODE): LOAD TURNS ON AND OFF AUTOMATICALLY BASED ON OCCUPANCY. IF LOAD IS TURNED OFF MANUALLY, LOAD REMAINS OFF UNTIL 5 MINUTES AFTER OCCUPANT DETECTION, IT THEN REVERTS TO AUTO ON MODE.
2. MANUAL ON (VACANCY MODE): OCCUPANT MUST MANUALLY PRESS ON/OFF BUTTON TO ENERGIZE THE LOAD. LOAD REMAINS ENERGIZED UNTIL NO MOTION IS DETECTED FOR THE SELECTED TIME DELAY.
3. 30 SECOND RE-TRIGGER DELAY - IF SENSOR DETECTS MOTION DURING DELAY SENSOR SHALL RE-ENERGIZE LOAD. SENSOR SHALL ENERGIZE LOAD UPON DETECTION OF MOTION. LOAD IS DE-ENERGIZED ONCE SPACE IS VACANT AND THE ADJUSTABLE TIME DELAY ELAPSES.
5. MANUAL OVERRIDE SWITCH SHALL DE-ENERGIZE LOAD DURING OCCUPANCY FOR THE DURATION OF THE SET TIME DELAY. MANUAL ON SWITCH SHALL ENERGIZE LOAD FOR THE DURATION OF OCCUPANCY.
6. FOR DUAL SWITCH SENSORS DEFAULT IN AUTO-ON TO 50% OPERATION.

**GENERAL NOTES (APPLIES TO ALL ABOVE):**
A. PROVIDE POWER PACKS FOR ALL LOW VOLTAGE OCCUPANCY SENSORS.
B. PROVIDE POWER PACK TYPE AND QUANTITY RECOMMENED BY MANUFACTURER FOR DEVICES SCHEDULED.
C. PROVIDE ALL REQUIRED WIRING FOR A COMPLETE INSTALLATION. REFERENCE MANUFACTURER'S WIRING DIAGRAMS FOR ALL REQUIRED WIRING.
E. DUAL TECHNOLOGY SENSORS OCCUPANCY LOGIC SHALL BE SELECTED FOR DETECTION BY EITHER TECHNOLOGY AND SHOULD ONLY REQUIRE ONE FOR INITIAL AND MAINTAINED OCCUPANCY AND RETRIGGER WHEN OPTION IS AVAILABLE.
F. ALL WALL SWITCHES WITH MORE THAN TWO BUTTONS OR BUTTONS FOR DIMMING SHALL BE ENGRAVED WITH THE SCENE FUNCTION. TEXT SHALL BE SELECTED DURING THE SUBMITTAL PROCESS.
G. PROVIDE TWO DIGITAL WIRELESS CONFIGURATION TOOLS, WATTSTOPPER MODEL LMCT-100.

SWD ARCHITECTS
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OF AUTHORITY NO. 000073

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H&B PROJECT NUMBER : 1820588
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LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER
8/10/19

MCAL BUILDING
ELECTRICAL SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL
E6.3

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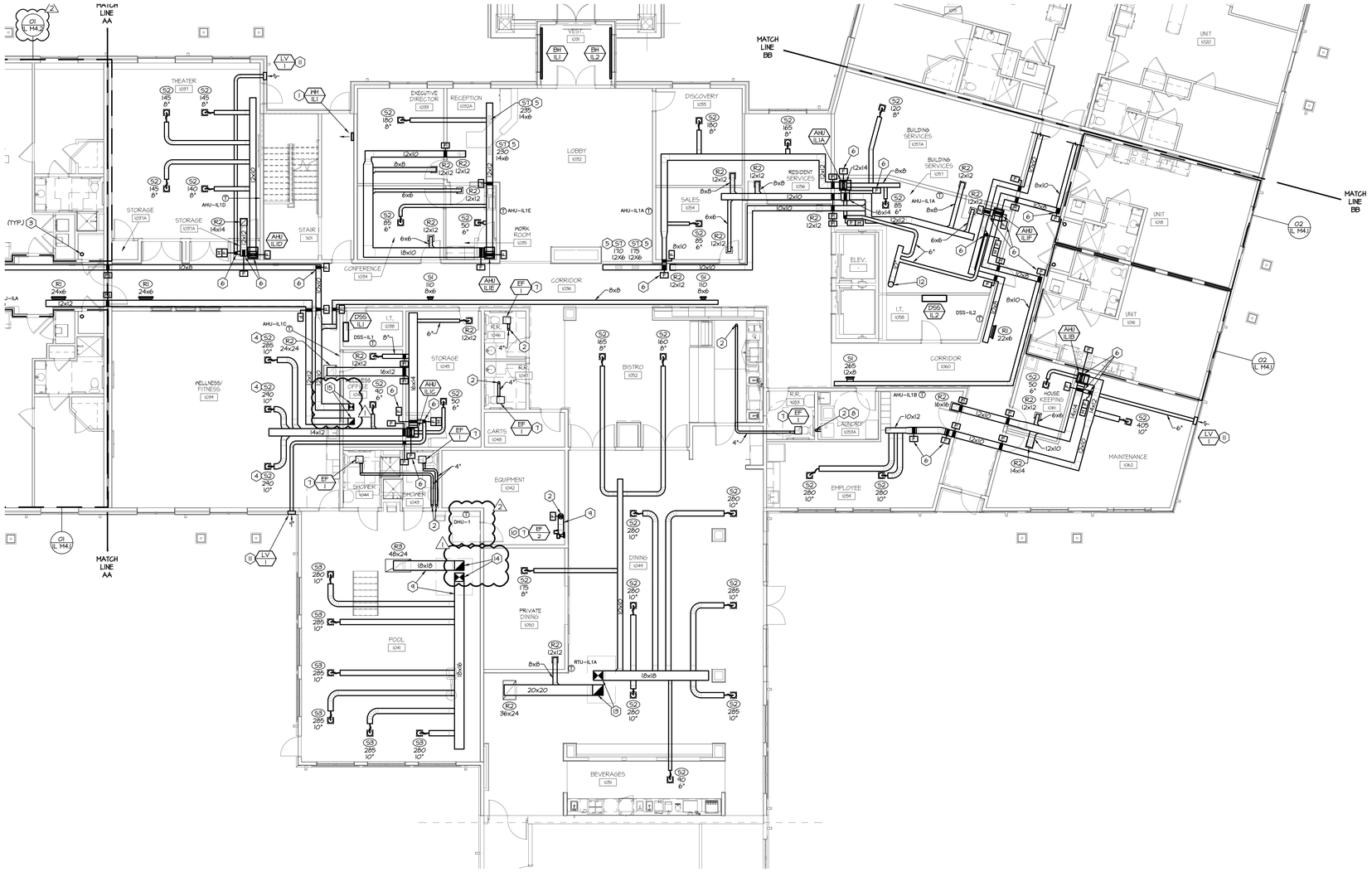



## 01 1ST FLOOR AREA B - MECHANICAL

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

H. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR DIMENSION.

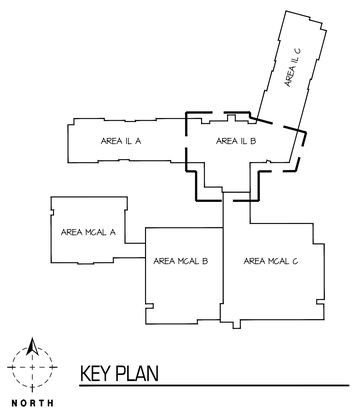
I. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

K. MOTORIZED DAMPERS IN DUCTWORK TO BE ACTIVATED AND CONTROLLED BY GENERAL SMOKE DETECTORS IN SPACE SERVED, AND BY DUCT SMOKE DETECTORS IN RETURN DUCTWORK.

## PLAN NOTES:

1. SURFACE MOUNT WALL HEATER WITH TOP OF UNIT 1'-0" BELOW FINISHED CEILING.
2. EXHAUST DUCT UP TO 2ND FLOOR. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.
3. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE. REFER TO DETAIL ON SHEET IL M5.1.
4. ADJUST DAMPER BLADES TO DIRECT AIR OUT TOWARDS WEST SIDE OF ROOM.
5. ORIENT DIFFUSER BLADES TO BLOW AIR INTO LOBBY.
6. FIRE DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
7. RADIATION DAMPER TO BE INSTALLED IN FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
8. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1600M FOR RATED WALLS.
9. DUCTWORK IN POOL ROOM TO BE OF ALL ALUMINUM CONSTRUCTION, WRAP WITH 4.2 R-VALUE INSULATION FOR CONDENSATION PREVENTION.
10. MOUNT EF-2 TO WALL. COORDINATE EXACT LOCATION WITH ARCHITECT.
11. ROUTE 6" OUTSIDE AIR DUCT OUT THROUGH WALL. PROVIDE LOUVER. PROVIDE BALANCE DAMPER AT AIR HANDLER. SEAL ALL CONNECTIONS WATER TIGHT.
12. ROUTE 10" OUTSIDE AIR DUCT UP TO 2ND FLOOR.
13. UP TO RTU-IL1A. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.
14. UP TO DHU-1. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.
15. UP TO RTU-IL1A. REFER TO 2ND FLOOR PLAN FOR CONTINUATION




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/09/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA B
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL M1.1

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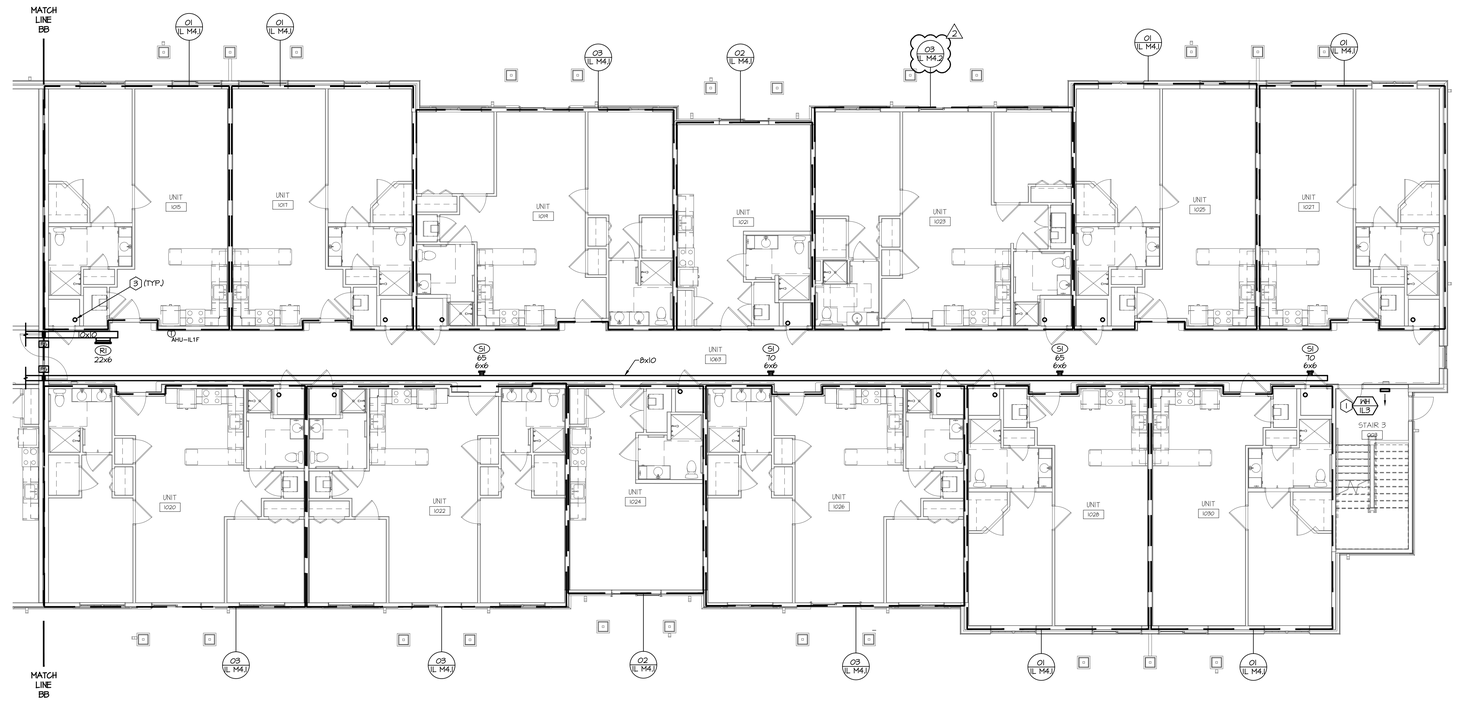
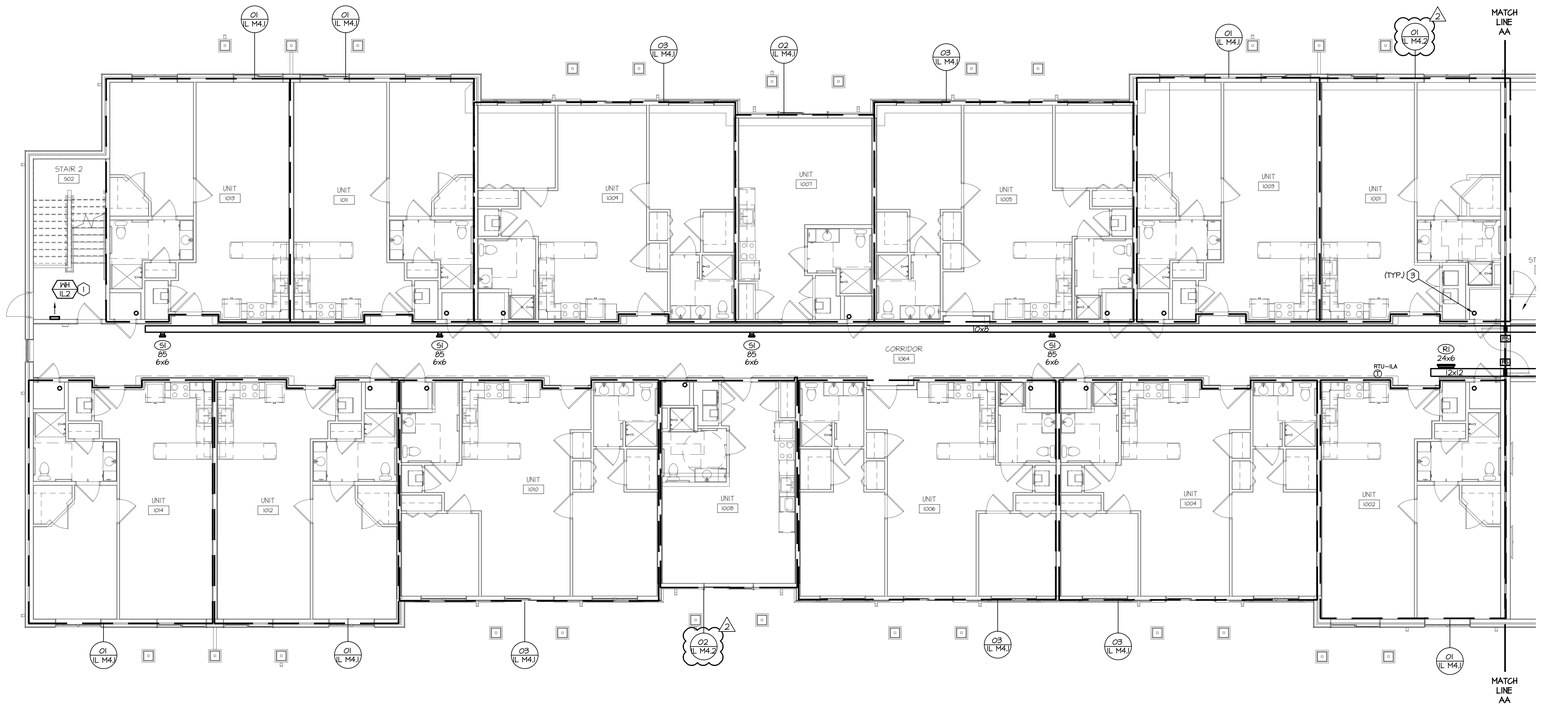



01 1ST FLOOR AREA C - MECHANICAL

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

NORTH




02 1ST FLOOR AREA A - MECHANICAL

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM COMPONENTS.

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.

G. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

H. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR DIMENSION.

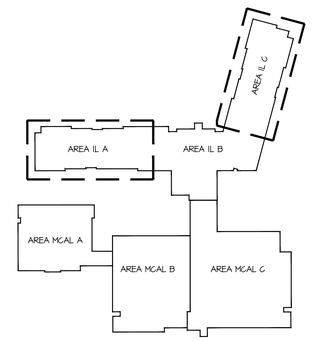
I. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

K. MOTORIZED DAMPERS IN DUCTWORK TO BE ACTIVATED AND CONTROLLED BY GENERAL SMOKE DETECTORS IN SPACE SERVED, AND BY DUCT SMOKE DETECTORS IN RETURN DUCTWORK.

## PLAN NOTES:

1. SURFACE MOUNT WALL HEATER WITH TOP OF UNIT 1'-0" BELOW FINISHED CEILING.
2. EXHAUST DUCT UP TO 2ND FLOOR. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.
3. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE. REFER TO DETAIL ON SHEET IL M5.1.
4. ADJUST DAMPER BLADES TO DIRECT AIR OUT TOWARDS WEST SIDE OF ROOM.
5. ORIENT DIFFUSER BLADES TO BLOW AIR INTO LOBBY.
6. FIRE DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
7. RADIATION DAMPER TO BE INSTALLED IN FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
8. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1600M FOR RATED WALLS.
9. DUCTWORK IN POOL ROOM TO BE OF ALL ALUMINUM CONSTRUCTION. WRAP WITH 6.2 R-VALUE INSULATION FOR CONDENSATION PREVENTION.
10. MOUNT EF-2 TO WALL. COORDINATE EXACT LOCATION WITH ARCHITECT.
11. ROUTE 6" OUTSIDE AIR DUCT OUT THROUGH WALL. PROVIDE LOUVER. PROVIDE BALANCE DAMPER AT AIR HANDLER. SEAL ALL CONNECTIONS WATER TIGHT.
12. ROUTE 10" OUTSIDE AIR DUCT UP TO 2ND FLOOR.
13. UP TO RTU-1LA. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.
14. UP TO DHU-1. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.
15. UP TO RTU-1LA. REFER TO 2ND FLOOR PLAN FOR CONTINUATION




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/2019

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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HOSS & BROWN
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Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA A & C
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
M1.2

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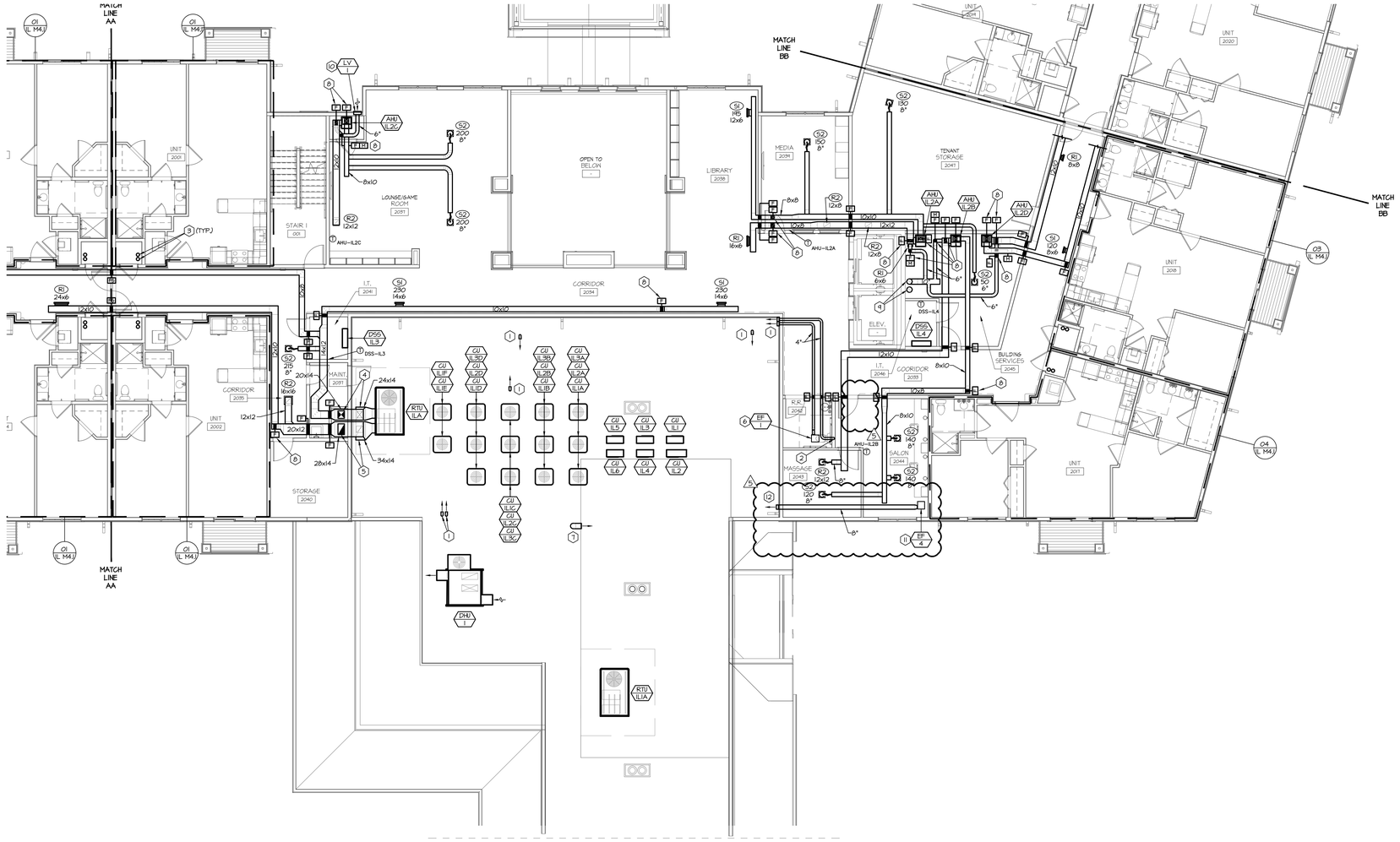



## GENERAL NOTES:

A. REFERENCE SHEET IL M1.1 FOR MECHANICAL GENERAL NOTES.

## PLAN NOTES:

1. 4" EXHAUST VENT. REFER TO DETAIL ON SHEET IL M5.1.
2. DRYER EXHAUST VENT DOWN TO 1ST FLOOR.
3. 6" OUTSIDE AIR DUCT TO ROOF ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1.
4. 10x12 SUPPLY DUCT DOWN THROUGH ROOF AND INTO FIRST FLOOR CEILING, 20x14 SUPPLY DUCT UP ALONG EXTERIOR WALL AND INTO 2ND FLOOR PLENUM. 12x14 SUPPLY DUCT UP TO 3RD FLOOR. PENETRATION OF DUCT THROUGH ROOF TO BE SEALED WEATHER TIGHT. REFER TO 1ST AND 3RD FLOOR MECHANICAL PLANS FOR CONTINUATION.
5. 12x12 RETURN DUCT DOWN THROUGH ROOF AND INTO FIRST FLOOR CEILING, 28x24 RETURN DUCT UP ALONG EXTERIOR WALL AND INTO 2ND FLOOR PLENUM. 12x20 RETURN DUCT UP TO 3RD FLOOR. PENETRATION OF DUCT THROUGH ROOF TO BE SEALED WEATHER TIGHT. REFER TO 1ST AND 3RD FLOOR MECHANICAL PLANS FOR CONTINUATION.

1 6. RADIATION DAMPER TO BE INSTALLED IN FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.

7. POOL EQUIPMENT EXHAUST GOOSENECK. REFER TO DETAIL ON IL M5.1.
8. FIRE DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
9. ROUTE 2, 10" OUTSIDE AIR DUCTS UP TO 3RD FLOOR. ROUTE 10" OUTSIDE AIR DUCT DOWN TO 1ST FLOOR. PROVIDED FIRE DAMPER AT PENETRATION OF FIRE BARRIER IN DUCT SERVING 2ND AND 3RD FLOORS.
10. ROUTE 6" OUTSIDE AIR DUCT OUT THROUGH WALL. PROVIDE LOUVER. PROVIDE BALANCE DAMPER AT AIR HANDLER. SEAL ALL CONNECTIONS WATER TIGHT.

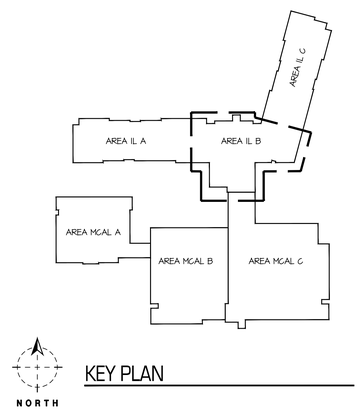
2 11. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.

12. 8" EXHAUST VENT. REFER TO DETAIL ON SHEET IL M5.1.

## 01 2ND FLOOR AREA B - MECHANICAL

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

NORTH




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

SECOND FLOOR
AREA B
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
M1.3

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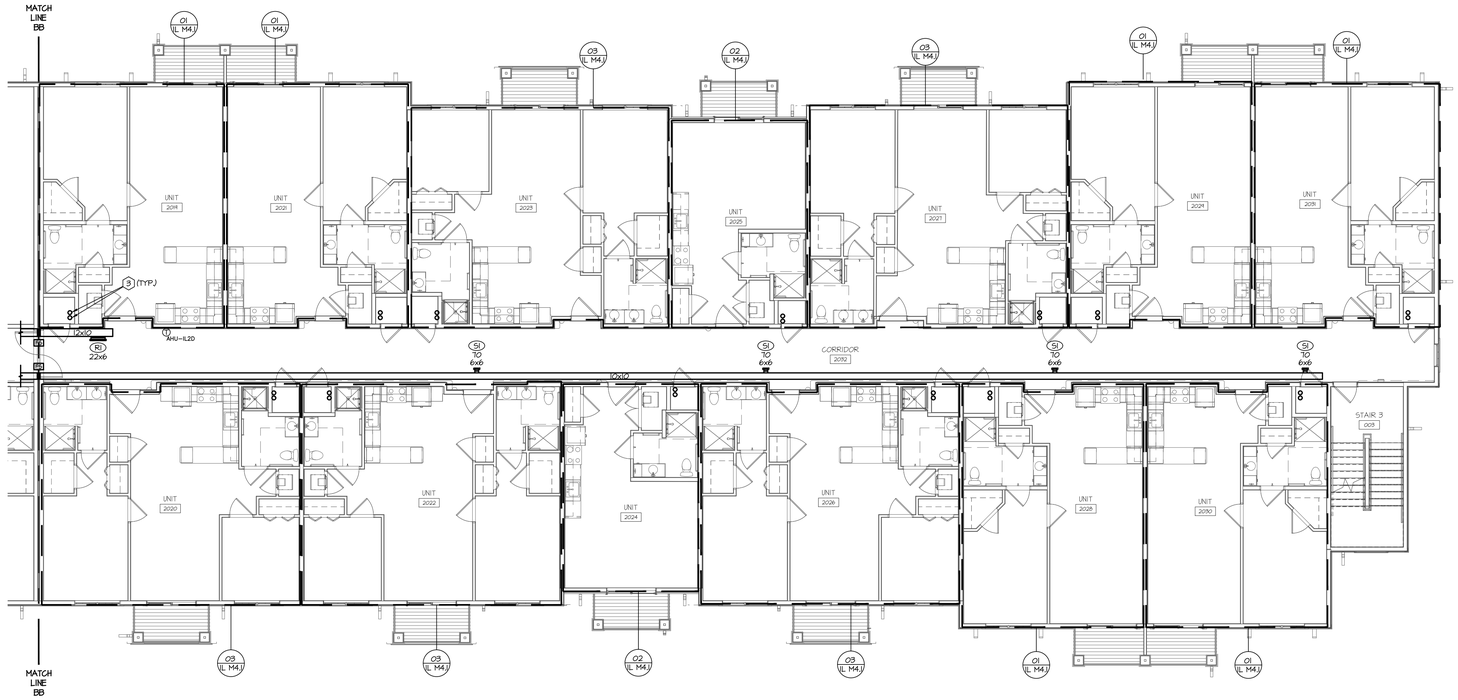
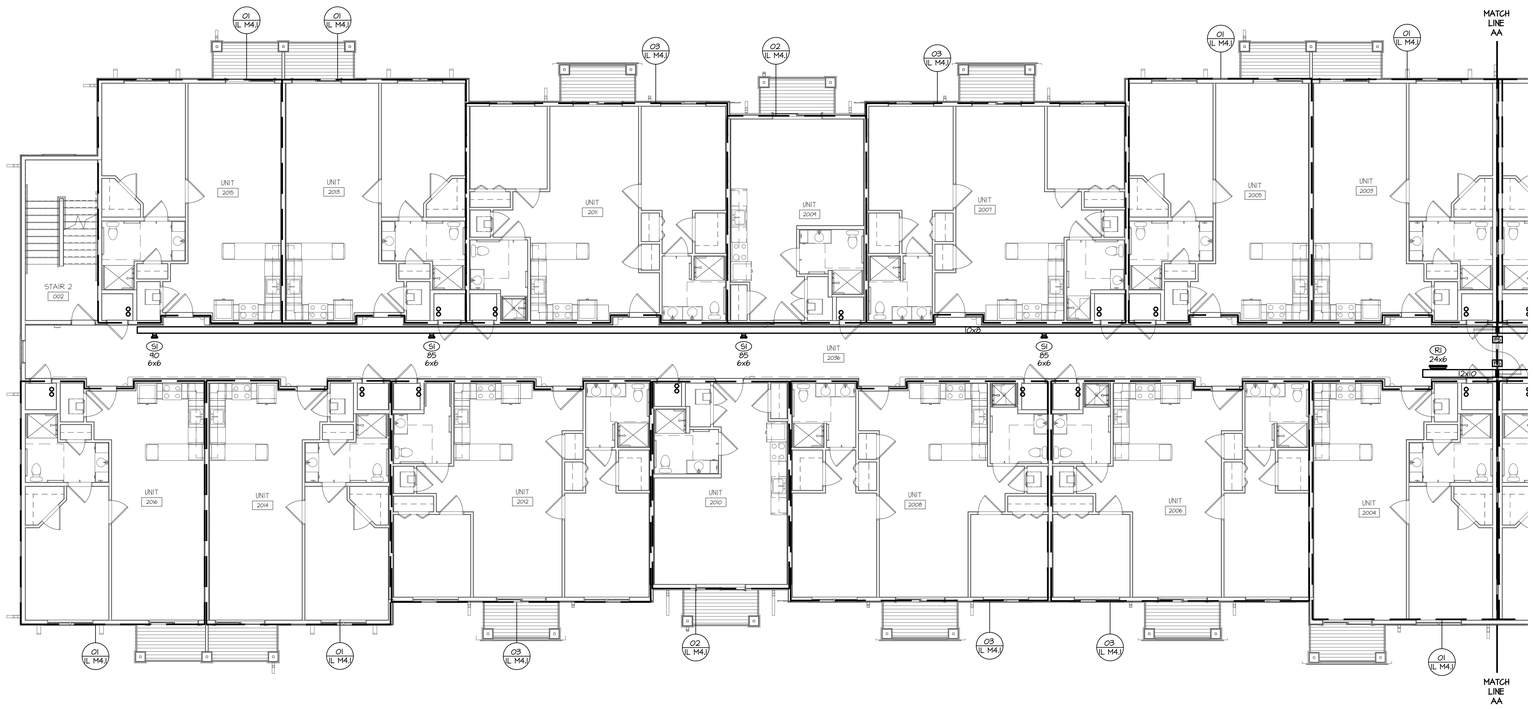



# 01 2ND FLOOR AREA C - MECHANICAL

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

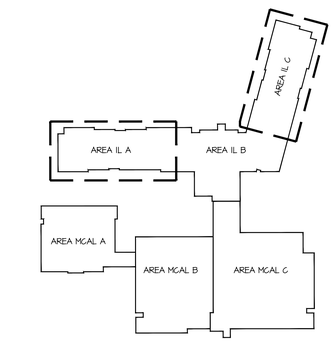
NORTH




# 02 2ND FLOOR AREA A - MECHANICAL

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFERENCE SHEET IL M1.1 FOR MECHANICAL GENERAL NOTES.

## PLAN NOTES:

1. 4" EXHAUST VENT. REFER TO DETAIL ON SHEET IL M5.1.
2. DRYER EXHAUST VENT DOWN TO 1ST FLOOR.
3. 6" OUTSIDE AIR DUCT TO ROOF ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1.
4. 10x12 SUPPLY DUCT DOWN THROUGH ROOF AND INTO FIRST FLOOR CEILING, 20x14 SUPPLY DUCT UP ALONG EXTERIOR WALL AND INTO 2ND FLOOR PLENUM. 12x14 SUPPLY DUCT UP TO 3RD FLOOR. PENETRATION OF DUCT THROUGH ROOF TO BE SEALED WEATHER TIGHT. REFER TO 1ST AND 3RD FLOOR MECHANICAL PLANS FOR CONTINUATION.
5. 12x12 RETURN DUCT DOWN THROUGH ROOF AND INTO FIRST FLOOR CEILING, 28x24 RETURN DUCT UP ALONG EXTERIOR WALL AND INTO 2ND FLOOR PLENUM. 12x20 RETURN DUCT UP TO 3RD FLOOR. PENETRATION OF DUCT THROUGH ROOF TO BE SEALED WEATHER TIGHT. REFER TO 1ST AND 3RD FLOOR MECHANICAL PLANS FOR CONTINUATION.
6. RADIATION DAMPER TO BE INSTALLED IN FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
7. POOL EQUIPMENT EXHAUST GOOSENECK. REFER TO DETAIL ON IL M5.1.
8. FIRE DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
9. ROUTE 2, 10" OUTSIDE AIR DUCTS UP TO 3RD FLOOR. ROUTE 10" OUTSIDE AIR DUCT DOWN TO 1ST FLOOR. PROVIDED FIRE DAMPER AT PENETRATION OF FIRE BARRIER IN DUCT SERVING 2ND AND 3RD FLOORS.
10. ROUTE 6" OUTSIDE AIR DUCT OUT THROUGH WALL. PROVIDE LOUVER. PROVIDE BALANCE DAMPER AT AIR HANDLER. SEAL ALL CONNECTIONS WATER TIGHT.
11. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
12. 8" EXHAUST VENT. REFER TO DETAIL ON SHEET IL M5.1.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA A & C
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL M1.4

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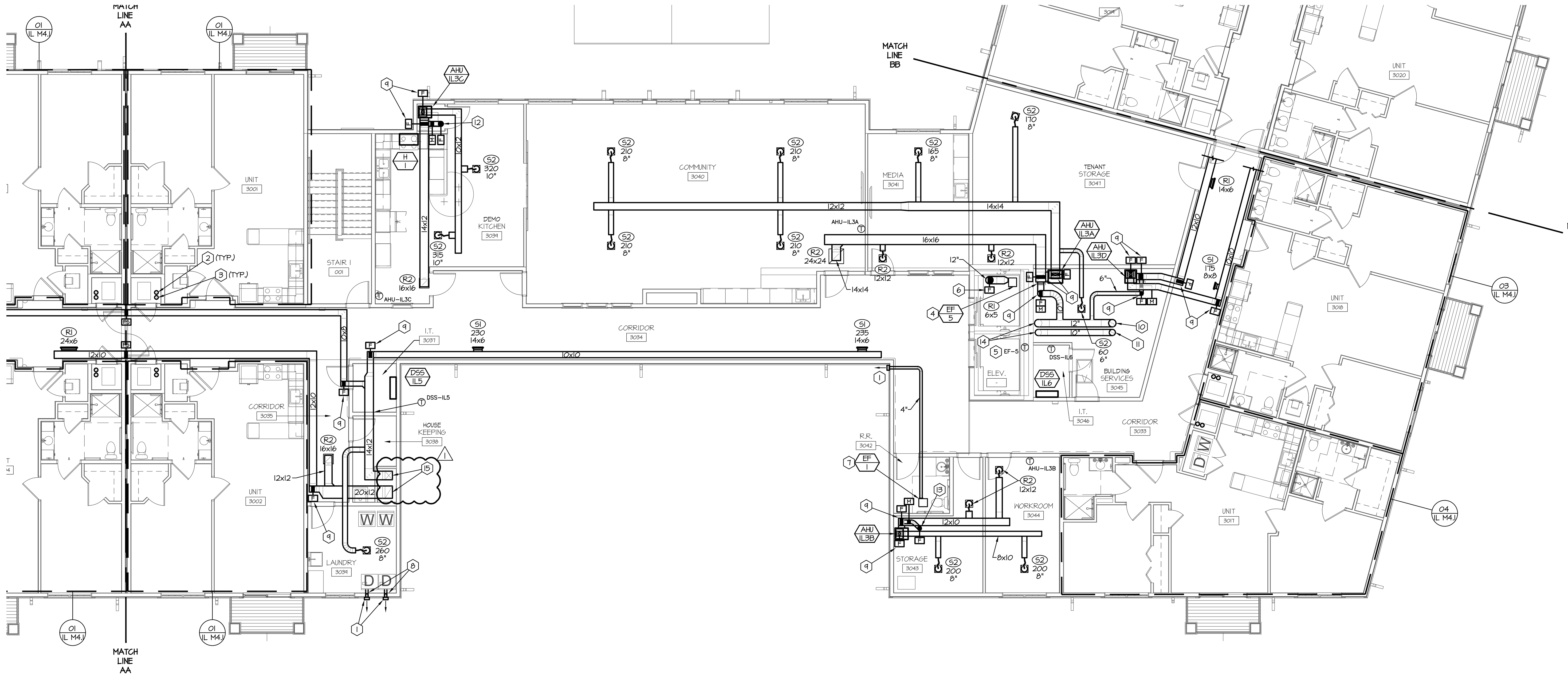
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020




# 01 3RD FLOOR AREA B - MECHANICAL

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

NORTH

## GENERAL NOTES:

A. REFERENCE SHEET IL M1.1 FOR MECHANICAL GENERAL NOTES.

B. ALL DUCTWORK SHOWN IS LOCATED IN ATTIC SPACE UNLESS OTHERWISE NOTED. PROVIDE ALL DUCTWORK WITHIN ATTIC SPACE WITH ATTIC RATED INSULATION (REFER TO SPECIFICATIONS). COORDINATE DUCT ROUTING WITH TRUSS MANUFACTURER.

## # PLAN NOTES:

1. EXHAUST VENT. REFER TO DETAIL ON SHEET M5.1.
2. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE. REFER TO DETAIL ON SHEET IL M5.1.
3. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1.
4. MOUNT EXHAUST FAN AS HIGH AS POSSIBLE IN ELEVATOR SHAFT.
5. PROVIDE FAN WITH 120V LINE VOLTAGE THERMOSTAT WITH HAND/OFF/AUTO SWITCH. LOCATE THERMOSTAT IN ELEVATOR SHAFT AT TOP OF SHAFT. SET THERMOSTAT TO ACTIVATE FAN AT 80 DEGREES TO MAINTAIN MANUFACTURER'S RECOMMENDED OPERATING TEMPERATURE.
6. PROVIDE FIRE DAMPER AT PENETRATION OF TOP OF ELEVATOR SHAFT.
7. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
8. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1000M FOR RATED WALLS.
9. RADIATION DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
10. ROUTE 12" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
11. ROUTE 10" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
12. ROUTE 8" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
13. ROUTE 6" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
14. ROUTE 2, 10" OUTSIDE AIR DUCTS DOWN TO 2ND FLOOR. TRANSITION 12" DUCT TO 10" DUCT AFTER ELBOW. PROVIDE FIRE DAMPER AT PENETRATION OF FIRE BARRIER IN DUCT SERVING 2ND AND 3RD FLOORS.
15. (△1) RTU-IL1A DUCTWORK DOWN TO 2ND FLOOR. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.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EST 1935

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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

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SEAL

PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

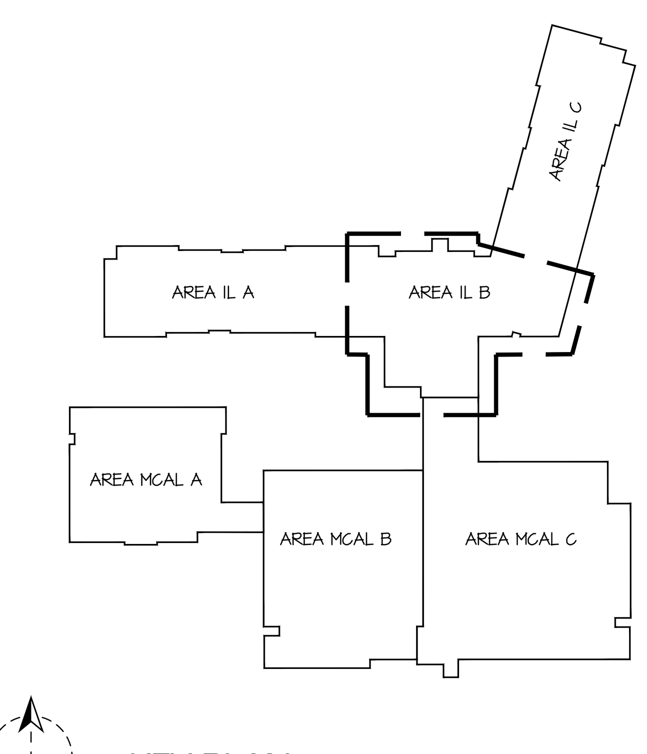
8/10/19

THIRD FLOOR
AREA B
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:

△1 ADDENDUM #1 - 6/5/2019
△2 CITY COMMENTS - 7/15/2019
△5 STATE/CITY COMMENTS - 8/10/2019




NORTH

KEY PLAN

PROJECT NO.:1811

# IL M1.5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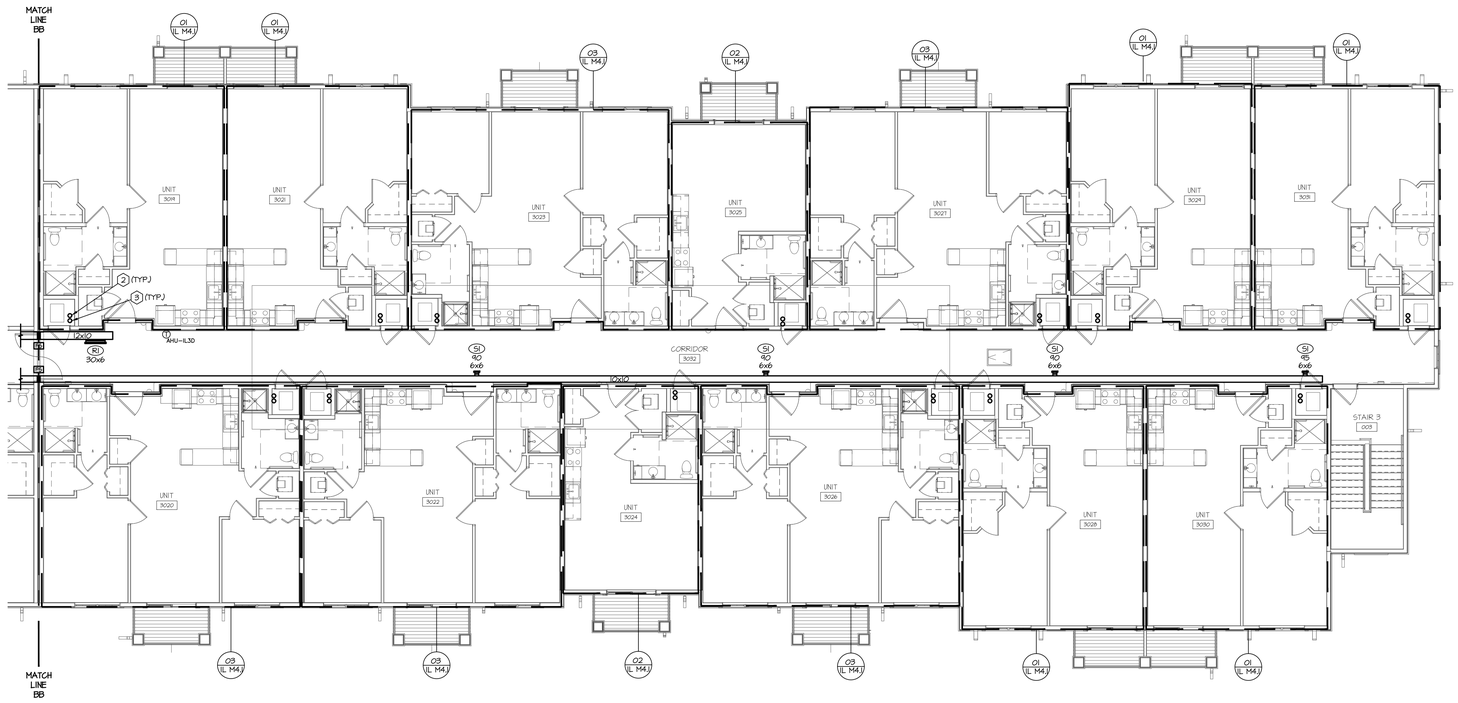
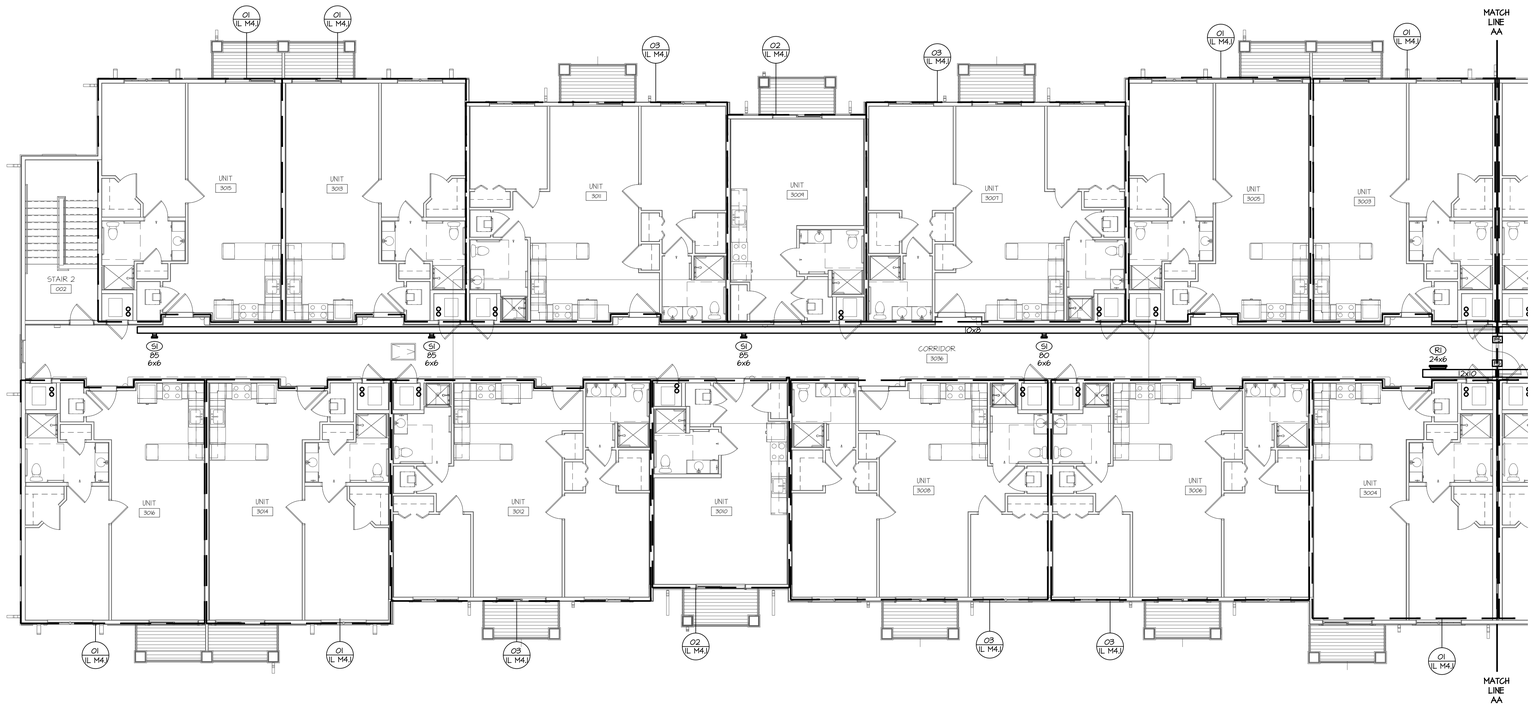



01 3RD FLOOR AREA C - MECHANICAL

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

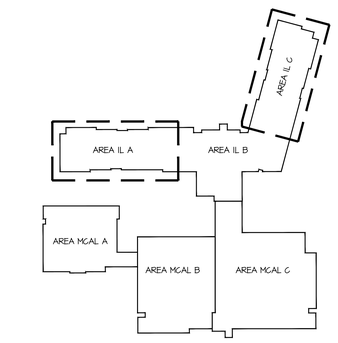
NORTH




02 3RD FLOOR AREA A - MECHANICAL

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFERENCE SHEET IL M1.1 FOR MECHANICAL GENERAL NOTES.

B. ALL DUCTWORK SHOWN IS LOCATED IN ATTIC SPACE UNLESS OTHERWISE NOTED. PROVIDE ALL DUCTWORK WITHIN ATTIC SPACE WITH ATTIC RATED INSULATION (REFER TO SPECIFICATIONS). COORDINATE DUCT ROUTING WITH TRUSS MANUFACTURER.

## PLAN NOTES:

1. EXHAUST VENT. REFER TO DETAIL ON SHEET M5.1.
2. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE. REFER TO DETAIL ON SHEET IL M5.1.
3. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1.
4. MOUNT EXHAUST FAN AS HIGH AS POSSIBLE IN ELEVATOR SHAFT.
5. PROVIDE FAN WITH 120V LINE VOLTAGE THERMOSTAT WITH HAND/OFF/AUTO SWITCH. LOCATE THERMOSTAT IN ELEVATOR SHAFT AT TOP OF SHAFT. SET THERMOSTAT TO ACTIVATE FAN AT 80 DEGREES TO MAINTAIN MANUFACTURER'S RECOMMENDED OPERATING TEMPERATURE.
6. PROVIDE FIRE DAMPER AT PENETRATION OF TOP OF ELEVATOR SHAFT.
7. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER.
8. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX4424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1600M FOR RATED WALLS.
9. RADIATION DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
10. ROUTE 12" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
11. ROUTE 10" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
12. ROUTE 8" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
13. ROUTE 6" OUTSIDE DUCT UP THROUGH ROOF. REFER TO ROOF PLAN FOR CONTINUATION.
14. ROUTE 2, 10" OUTSIDE AIR DUCTS DOWN TO 2ND FLOOR. TRANSITION 12" DUCT TO 10" DUCT AFTER ELBOW. PROVIDE FIRE DAMPER AT PENETRATION OF FIRE BARRIER IN DUCT SERVING 2ND AND 3RD FLOORS.
15. RTU-1,A DUCTWORK DOWN TO 2ND FLOOR. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073
H&B ENGINEERS
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# LEE'S SUMMIT SENIOR COMMUNITY

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STARK WILSON DUNCAN ARCHITECTS INC
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LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA A & C
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL M1.6

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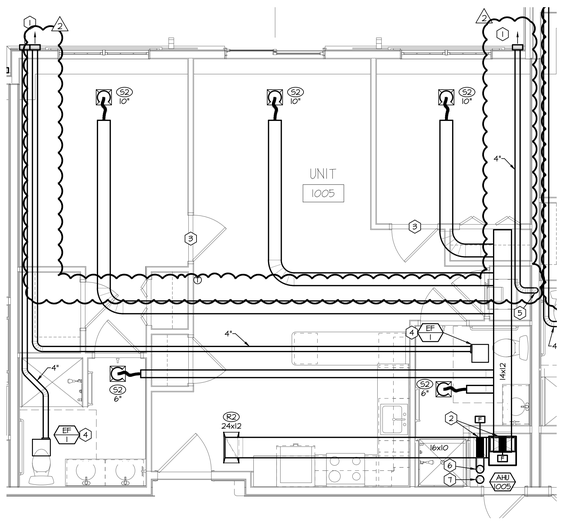
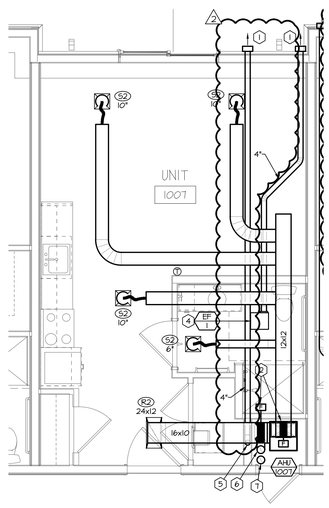
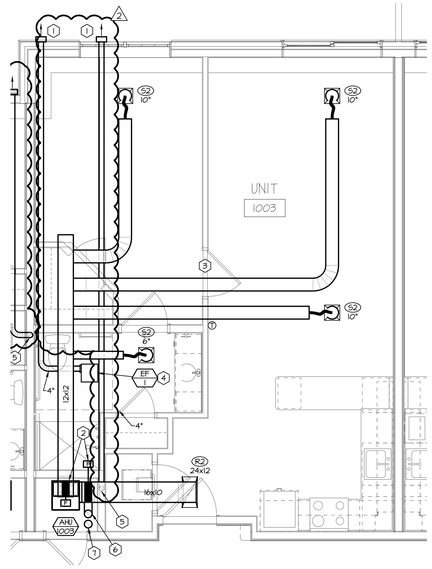


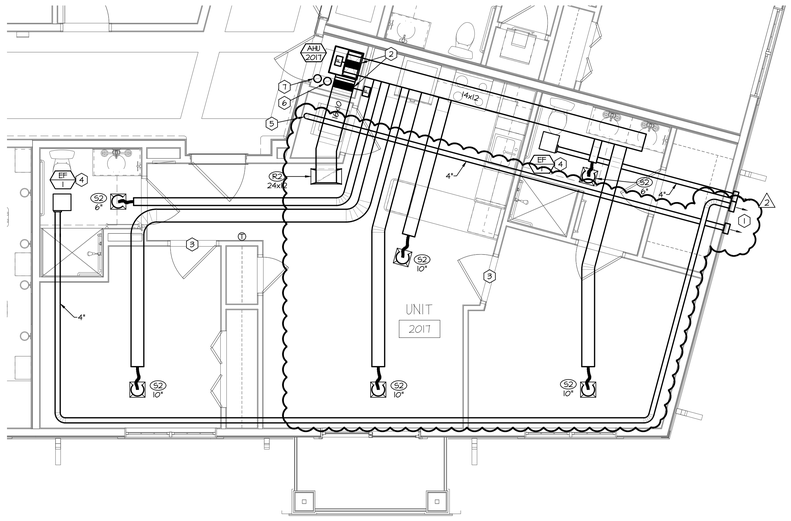

03 ENLARGED PLAN MECHANICAL - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"




02 ENLARGED PLAN MECHANICAL - IL STUDIO
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN MECHANICAL - IL 1 BEDROOM
SCALE: 1/4" = 1'-0"




04 ENLARGED PLAN MECHANICAL - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

A. REFERENCE SHEET IL M0.1 FOR MECHANICAL GENERAL NOTES.

## PLAN NOTES:

1. ROUTE EXHAUST DUCT OUT THROUGH WALL. PROVIDE WALL CAP. ROUTING ONLY APPLIES FOR 1ST AND 2ND FLOOR UNITS. FOR 3RD FLOOR UNITS, ROUTE EXHAUST DUCTS UP THROUGH ROOF. REFER TO DETAIL ON IL M5.1.
2. RADIATION DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
3. UNDERCUT BEDROOM DOOR FOR AIR TRANSFER (TYPICAL).
4. RADIATION DAMPER TO BE INSTALLED IN TOILET FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
5. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX1424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX1200M FOR RATED DEMISING WALLS.
6. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE. REFER TO DETAIL ON SHEET IL M5.1.
7. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1. ONLY APPLICABLE TO UNITS ON 2ND AND 3RD FLOORS.
9. THERMOSTAT SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS IN UNITS CALLED OUT AS ADA BY ARCHITECT.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/20/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
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H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

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STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
M4.1

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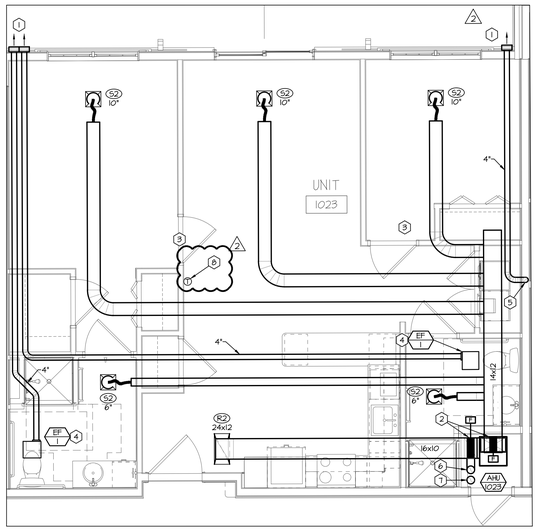
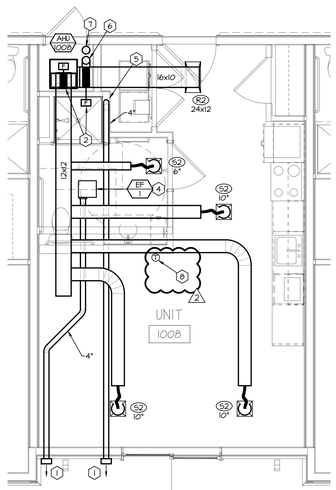


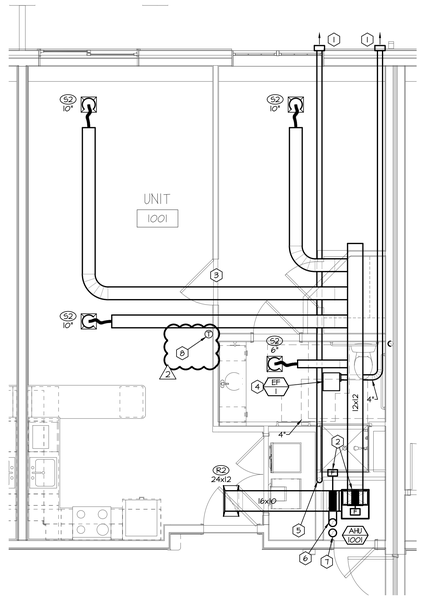

## 03 ENLARGED PLAN MECHANICAL - IL 2 BEDROOM - ADA

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




## 02 ENLARGED PLAN MECHANICAL - IL STUDIO - ADA

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




## 01 ENLARGED PLAN MECHANICAL - IL 1 BEDROOM - ADA

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

### GENERAL NOTES:

A. REFERENCE SHEET IL M0.1 FOR MECHANICAL GENERAL NOTES.

### PLAN NOTES:

1. ROUTE EXHAUST DUCT OUT THROUGH WALL. PROVIDE WALL CAP. ROUTING ONLY APPLIES FOR 1ST AND 2ND FLOOR UNITS. FOR 3RD FLOOR UNITS, ROUTE EXHAUST DUCTS UP THROUGH ROOF. REFER TO DETAIL ON IL M5.1.
2. RADIATION DAMPER TO BE INSTALLED WHERE DUCT ENTERS JOIST SPACE.
3. UNDERCUT BEDROOM DOOR FOR AIR TRANSFER (TYPICAL).
4. RADIATION DAMPER TO BE INSTALLED IN TOILET FAN EXHAUST DUCT WHERE DUCT PENETRATES FLOOR/CEILING FIRE RATED ASSEMBLY.
5. PROVIDE DRYER WITH NEW CONSTRUCTION SOLUTIONS DRYER VENT BOX MODEL DBX4424 FOR STANDARD WALL CONSTRUCTION. PROVIDE MODEL DBX600M FOR RATED DEMISING WALLS.
6. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE. REFER TO DETAIL ON SHEET IL M5.1.
7. 6" OUTSIDE AIR DUCT TO FLOOR ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1. ONLY APPLICABLE TO UNITS ON 2ND AND 3RD FLOORS.
8. THERMOSTAT SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS IN UNITS CALLED OUT AS ADA BY ARCHITECT.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
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8/10/19

ENLARGED PLANS
MECHANICAL
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
M4.2

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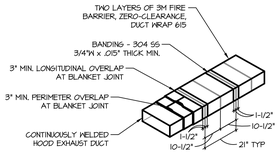
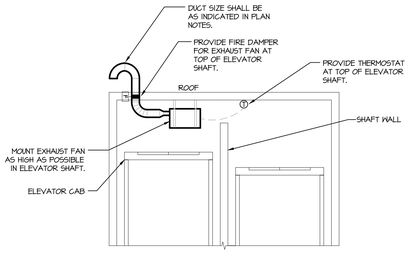
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/20/19

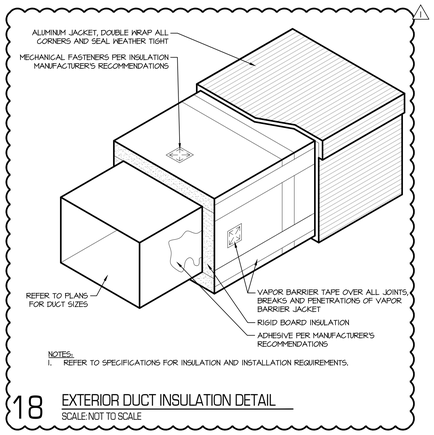



DESIGN NOTES:
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND TO HOOD.
2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH ⅜" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
3. SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF ¼" PER FOOT (2% SLOPE) TOWARDS EXHAUST HOOD.
4. PROVIDE INSULATED ACCESS DOOR OR PANEL NEAR MID-POINT OF EXHAUST DUCT RUN FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON ACCESS DOOR OR PANEL WHICH READS: "ACCESS PANEL. DO NOT OBSTRUCT."
5. BANDING REQUIREMENTS: USE 304 STAINLESS STEEL BANDS A MAXIMUM 1-1/2" FROM BLANKET EDGE AND SPACED A MAXIMUM OF 10-1/2" ON CENTER.

## 16 KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL
SCALE: NOT TO SCALE

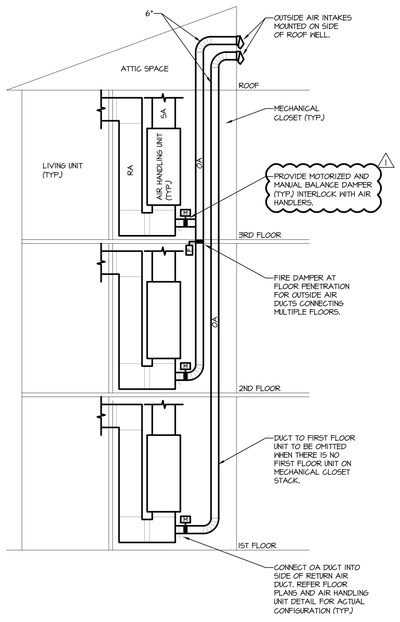



## 17 ELEVATOR EXHAUST FAN DETAIL
SCALE: NOT TO SCALE

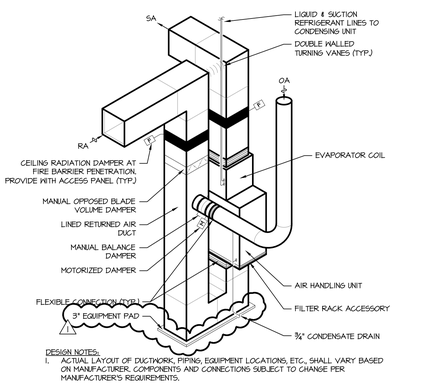



NOTES:
1. REFER TO SPECIFICATIONS FOR INSULATION AND INSTALLATION REQUIREMENTS.

## 18 EXTERIOR DUCT INSULATION DETAIL
SCALE: NOT TO SCALE

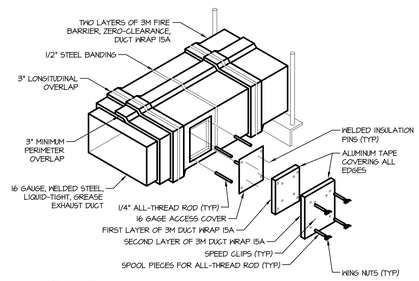



## 13 AIR HANDLING UNIT OUTSIDE AIR RISER
SCALE: NOT TO SCALE



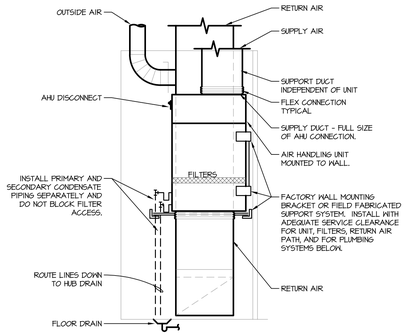

DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

## 14 AIR HANDLING UNIT DETAIL
SCALE: NOT TO SCALE

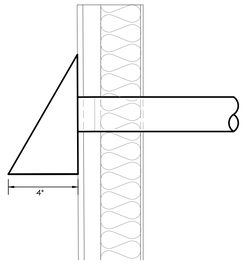



DESIGN NOTES:
1. PROVIDE ACCESS DOORS AS REQUIRED BY THE MECHANICAL CODE AND NFPA-96.
2. REFER TO MANUFACTURER'S LITERATURE FOR EXACT INSTALLATION REQUIREMENTS AND PROVIDE CLEANOUT COVERING AS SHOWN IN MANUFACTURER'S LITERATURE

## 15 KITCHEN GREASE DUCT ACCESS DOOR DETAIL
SCALE: NOT TO SCALE

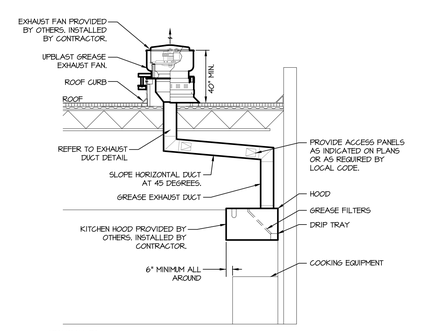



## 09 TYPICAL UNIT MECHANICAL CLOSET DETAIL
SCALE: NOT TO SCALE



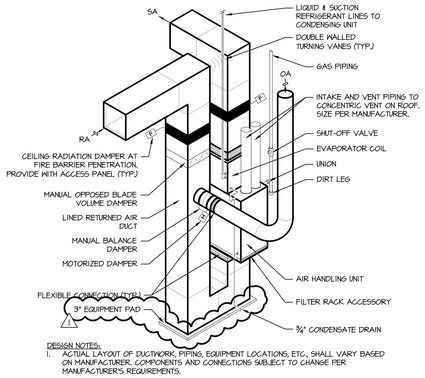

NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE SIDING AND FLASHING PER ARCHITECTURAL AND/OR SIDING MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW.
5. ALL WALL CAPS TO BE PAINTABLE.
6. PROVIDE BUG SCREENS FOR BATHROOM EXHAUST.
7. PROVIDE BACKDRAFT DAMPERS FOR BATHROOM EXHAUST AND DRYER EXHAUST.

## 10 EXTERIOR WALL BATHROOM EXHAUST & DRYER EXHAUST DETAIL
SCALE: NOT TO SCALE



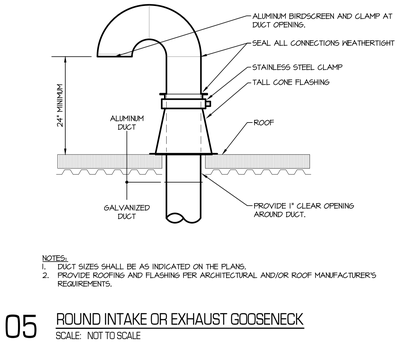

DESIGN NOTES:
1. LAYOUT SHOWN IS SCHEMATIC AND INTENDED TO SHOW GENERAL REQUIREMENTS. REFERENCE PLANS FOR LAYOUT.
2. REFER TO SPECIFICATIONS FOR FIRE-WRAP INSULATION.

## 11 KITCHEN HOOD EXHAUST SCHEMATIC
SCALE: NOT TO SCALE



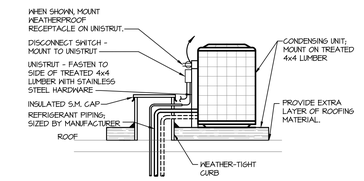

DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

## 12 GAS FURNACE DETAIL
SCALE: NOT TO SCALE

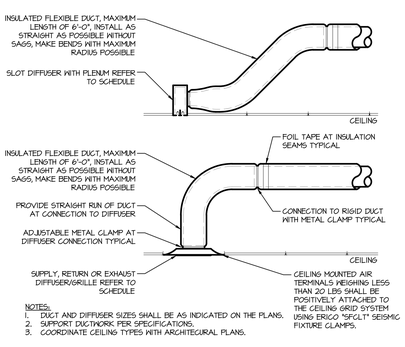



NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.

## 05 ROUND INTAKE OR EXHAUST GOOSENECK
SCALE: NOT TO SCALE

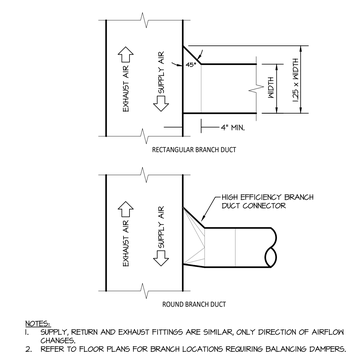



## 06 CONDENSING UNIT MOUNTING DETAIL
SCALE: NOT TO SCALE



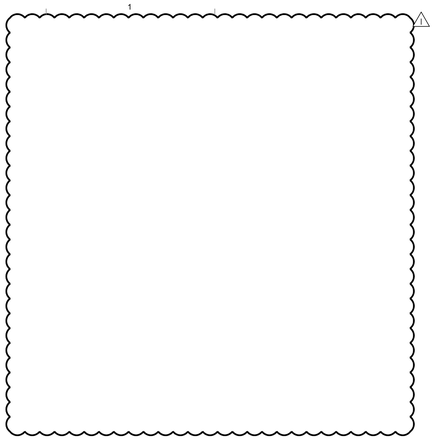

NOTES:
1. DUCT AND DIFFUSER SIZES SHALL BE AS INDICATED ON THE PLANS.
2. SUPPORT DUCTWORK PER SPECIFICATIONS.
3. COORDINATE CEILING TYPES WITH ARCHITECTURAL PLANS.

## 07 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE



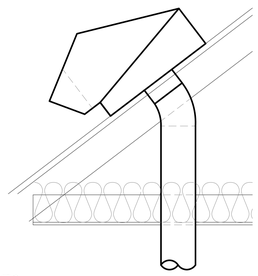

NOTES:
1. SUPPLY, RETURN AND EXHAUST FITTINGS ARE SIMILAR, ONLY DIRECTION OF AIRFLOW CHANGES.
2. REFER TO FLOOR PLANS FOR BRANCH LOCATIONS REQUIRING BALANCING DAMPERS.

## 08 BRANCH DUCT DETAIL
SCALE: NOT TO SCALE



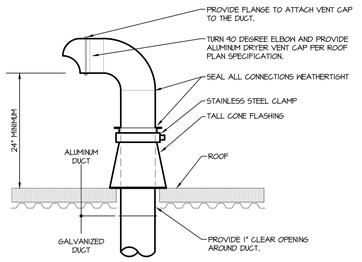

NOTES:
1. ROOFING, INSULATION, FLASHING AND COUNTER FLASHING TO BE INSTALLED PER ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS.
2. BLOCKING AND SUPPORT SHALL BE INSTALLED PER THE STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
3. CONTRACTOR TO PROVIDE GASKETING AT THE PERIMETER OF THE CURB AND AT ALL SUPPLY AND RETURN DUCT CHANNELS.
4. ACOUSTIC INSULATION SHALL BE INSTALLED OVER THE ENTIRE CURB BASE WITHOUT GAPS. PROVIDE OWENS CORNING SELECTSOUND 2" THICK ACOUSTIC BLANKET OR EQUAL.
5. CURB SHALL BE INSTALLED LEVEL. REFER TO ARCHITECTURAL PLANS FOR ROOF SLOPE.

## 02 ROOFTOP UNIT DETAIL
SCALE: NOT TO SCALE



NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW.

## 03 BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL
SCALE: NOT TO SCALE




NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW.

## 04 CLOTHES DRYER ROOF VENT DETAIL
SCALE: NOT TO SCALE

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER
8/10/19

INDEPENDENT LIVING MECHANICAL DETAILS

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL M5.1

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## INDEPENDENT LIVING ROOFTOP UNIT SCHEDULE

| MARK | MANUFACTURER | MODEL | MIN. O/A CFM | SUPPLY FAN CFM | TYPE | DRIVE | ESP | TSP | BHP | RPM | DX COOLING COIL EAT DB/WB | LAT DB/WB | ROWS | FPF | APD (IN WC) | FACE AREA (SF) | GAS HEAT IN (MBH) | OUT (MBH) | CTRL STEPS | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RTU-ILA | TRANE | YSC090 | 515 | 2,640 | CENTRIFUGAL | BELT | 1.5 | 1.728 | 2.16 | 1273 | 79.1/65.5 | 55.0/53.6 | 4 | 192 | 0.228 | 9.89 | 150 | 120 | 2 | 208/3 | 44 | 60 | 1,2,3,4,5,6,7,8,9 |
| RTU-IL1A | TRANE | YSC072 | 455 | 2,280 | CENTRIFUGAL | BELT | 0.75 | 0.958 | 1.1 | 926 | 78.2/65.9 | 55.0/54.0 | 3 | 192 | 0.208 | 9.89 | 120 | 97.2 | 2 | 208/3 | 35 | 50 | 1,2,3,4,5,6,9 |

**NOTES:**

1. ESP DOES NOT INCLUDE DIRTY FILTER PRESSURE DROP. ADD 0.5" TO INTERNAL PRESSURE DROP FOR DIRTY FILTERS.
2. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR SINGLE-POINT ELECTRICAL CONNECTION.
3. PROVIDE INSULATED ROOF CURB, HEIGHT AS REQUIRED TO PROVIDE 14" CLEARANCE ABOVE FINISHED ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPE. (1)
4. PROVIDE BURNER WITH 2-STAGE GAS HEAT.
5. PROVIDE WITH MANUFACTURER'S PROGRAMMABLE THERMOSTAT.
6. PROVIDE DRY BULB ECONOMIZER SET AT 58 DEGREES F.
7. PROVIDE UNIT WITH SIDE SUPPLY AND RETURN OPENINGS.
8. PROVIDE UNIT WITH ATMOS AIR IONIZATION UNIT MODEL M1002 TO ACHIEVE SCHEDULED OUTSIDE AIR CFM. ORIENT IONIZATION UNIT IN ACCESSIBLE LOCATION IN SUPPLY AIR DUCT PER MANUFACTURER'S REQUIREMENTS FOR OPTIMAL ION DISTRIBUTION. PROVIDE WITH MANUFACTURER'S AIR PRESSURE SWITCH TO ACTIVATE UNIT WHEN AIR HANDLER IS RUNNING.
9. PROVIDE WITH MANUFACTURER'S HAIL GUARDS. (1)

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MINIMUM EFFICIENCY OF MERV 6 FOR FILTERS DURING CONSTRUCTION AND CHANGE MONTHLY AFTER UNIT START-UP. FINAL FILTER CHANGE AT OWNER OCCUPANCY SHALL BE MERV 7.
B. ELECTRICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN THE MAIN RETURN DUCT AND INTERLOCK WITH UNIT PER CODE FOR UNITS THAT ARE 2000 CFM AND LARGER. PROVIDE WITH A VISIBLE AND AUDIBLE SPERVISORY SIGNAL AT ATTENDED LOCATION. ELECTRICAL CONTRACTOR TO PROVIDE NOTIFICATION EQUIPMENT.
C. FUEL SOURCE FOR GAS HEATER IS NATURAL GAS.
E. PROVIDE A CONDENSATE DRAIN WITH A TRAP DEPTH 2" DEEPER THAN THE EXPECTED STATIC PRESSURE AT THE DRAIN LOCATION IN THE UNIT AND EXTEND TO NEAREST ROOF DRAIN.
F. COOLING CAPACITY SHALL BE BASED ON 105 F AMBIENT TEMPERATURE.

## INDEPENDENT LIVING DUCTLESS SPLIT SYSTEM SCHEDULE

| INDOOR MARK | OUTDOOR MARK | MANUFACTURER | INDOOR MODEL | OUTDOOR MODEL | TOTAL CAPACITY (MBH) | SEER | INDOOR ELECTRICAL V/PH | MCA | MOCP | OUTDOOR ELECTRICAL V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DSS-IL1 | CU-IL1 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |
| DSS-IL2 | CU-IL2 | MITSUBISHI | PKA-A30KA | PUY-A30NHA3 | 30.0 | 15.5 | 208/1 | 1.0 | 20 | 208/1 | 25 | 35 | 1,2,3,4,5,6 |
| DSS-IL3 | CU-IL3 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |
| DSS-IL4 | CU-IL4 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |
| DSS-IL5 | CU-IL5 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |
| DSS-IL6 | CU-IL6 | MITSUBISHI | PKA-A18HA | PUY-A18NHA3 | 18.0 | 15.3 | 208/1 | 1.0 | 20 | 208/1 | 13 | 20 | 1,2,3,4,5,6 |

**NOTES:**

1. PROVIDE WITH MANUFACTURER'S ACESSORIES AND REFRIGERANT LINE SETS.
2. PROVIDE UNIT DISCONNECT SWITCH
3. PROVIDE UNIT WITH LOW AMBIENT KIT.
4. FURNISH WITH FREEZESTAT
5. PROVIDE UNIT WITH SINGLE POINT POWER CONNECTION TO CONDENSING UNIT
6. FURNISH WITH MANUFACTURER'S WALL MOUNTED WIRED THERMOSTAT (PAC-YT53CRAU-J)

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. AT DESIGN CONDITIONS AND 105F AMBIENT AIR TEMPERATURE, 80Fdb/67Fwb ENTERING TO EVAPORATOR. (1)
B. REFRIGERANT LINES SHALL BE ROUTED CONCEALED IN ATTIC SPACES AND WALLS TO ASSOCIATED COOLING COIL. REFRIGERANT LINES SHALL BE FIELD INSTALLED BY THE CONTRACTOR.
C. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.

## INDEPENDENT LIVING FAN SCHEDULE

| MARK | MANUFACTURER | MODEL | CFM | S.P. | DRIVE | BHP | HP | RPM | dBA | V/PH | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EF-1 | BROAN | AE80L | 80 | 0.25 | DIRECT | 26.9 W | - | - | 28 | 120/1 | 1,2,3,4,5 |
| EF-2 | FANAM | CBL160 | 405 | 0.25 | DIRECT | - | 1/4 | 1,725 | 52 | 120/1 | 2,6,7,8,9 |
| EF-4 | LOREN COOK | GC-166 | 150 | 0.25 | DIRECT | 46 W | -- | 1,058 | 45 | 120/1 | 1,2,3,10 |
| EF-5 | LOREN COOK | GC-740 | 610 | 0.25 | DIRECT | 292 W | - | 1,460 | 52 | 120/1 | 1,2 |

**NOTES:**

1. PROVIDE WITH FACTORY INSTALLED AND WIRED DISCONNECT.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. PROVIDE WITH MANUFACTURER'S POLYPROPYLENE GRILLE.
4. PROVIDE WITH BROAN RDM1 CEILING RADIATION DAMPER WHERE SPECIFIED ON PLANS.
5. EXHAUST FAN IS ENERGY STAR.
6. FAN WHEEL AND HOUSING SHALL BE CONSTRUCTED OF POLYPROPYLENE AND FIBERGLASS REINFORCED PLASTIC.
7. PROVIDE FAN WITH ENCLOSED MOTOR SHIELD, INLET SHEILD, AND OUTLET COLLAR.
8. FURNISH NEMA-4 DISCONNECT.
9. PROVIDE BIRD SCREEN, 304 STAINLESS STEEL.
10. PROVIDE WITH MANUFACTURER'S CEILING RADIATION DAMPER. (5)

## GRILLE, REGISTER, & DIFFUSER SCHEDULE

| MARK | MANUFACTURER | MODEL | SERVICE | FACE SIZE | NECK SIZE | DAMPER | NOTES |
|---|---|---|---|---|---|---|---|
| S1 | TITUS | 301RL | SUPPLY | "SEE PLAN" | "SEE PLAN" | YES | 3 |
| S2 | TITUS | 301RS | SUPPLY | 12x12 | "SEE PLAN" | YES | 1, 2, 3 |
| S3 | TITUS | 301FL | SUPPLY | 12x12 | "SEE PLAN" | YES | 1, 2, 3, 4 |
| S4 | TITUS | PAS-AA | SUPPLY | 24x24 | "SEE PLAN" | NO | 4, 5 |
| S5 | TITUS | PAS-AA | SUPPLY | 12x12 | "SEE PLAN" | YES | 2, 3, 4, 5 |
| S6 | TITUS | OMNI | SUPPLY | 24x24 | "SEE PLAN" | YES | 1, 3 |
| S7 | TITUS | 301RL | SUPPLY | "SEE PLAN" | "SEE PLAN" | YES | 1, 2, 3 |
| R1 | TITUS | 350RS | RETURN | "SEE PLAN" | "SEE PLAN" | YES | 3 |
| R2 | TITUS | 350RL | RETURN | "SEE PLAN" | "SEE PLAN" | YES | 2, 3 |
| R3 | TITUS | 350FL | RETURN | "SEE PLAN" | "SEE PLAN" | YES | 2, 3, 4 |
| R4 | TITUS | 50F | RETURN | "SEE PLAN" | "SEE PLAN" | NO | 4, 6 |

**NOTES:**

1. PROVIDE LOUVER/THROW PATTERN INDICATED ON PLANS. PROVIDE FOUR-WAY LOUVER/THROW PATTERN WHERE NOT INDICATED.
2. PROVIDE WITH RUSKIN CFD7T CEILING FIRE DAMPER UL CLASSIFIED FOR WOOD TRUSS CONSTRUCTION. DAMPER SIZE SHALL BE SAME AS DIFFUSER FACE SIZE. SHALL ONLY APPLY WHEN PENETRATING A FIRE-RATED ASSEMBLY. PROVIDE SINGLE DEFLECTION GRILLE.
3. PROVIDE WITH MANUFACTURER'S INTEGRAL VOLUME CONTROL DAMPER.
4. PROVIDE ALL ALLUMINUM CONSTRUCTION.
5. PROVIDE WITHOUT PATTERN CONTROLLERS.
6. PROVIDE 1" MERV 7 FLAT FILTERS.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MOUNTING FRAME TO MATCH CEILING TYPE. VERIFY WITH ARCHITECT'S PLANS PRIOR TO ORDERING.
B. MAXIMUM NC OF 30 FOR ALL GRILLES, REGISTERS, AND DIFFUSERS.
C. WHERE NOT NOTED, DIFFUSER NECK SIZE SHALL BE THE SAME AS THE BRANCH DUCT SIZE.
D. UNLESS NOTED OTHERWISE, COLOR SHALL BE STANDARD WHITE.
E. FOUR-WAY THROW PATTERN FOR SQUARE DIFFUSERS UNLESS NOTED OTHERWISE.

## LOUVER SCHEDULE

| MARK | MANUFACTURER | MODEL | SERVICE | SIZE W x H (IN.) | AIRFLOW CFM | MIN. FREE AREA (S.F.) | MAX. PD INCHES WC | NOTES |
|---|---|---|---|---|---|---|---|---|
| LV-1 | RUSKIN | ELF6375DX | INTAKE | 14x14 | - | 0.52 | 0.01 | 1 |

**NOTES:**

1. PROVIDE BIRD SCREEN.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MOUNTING FRAME TO MATCH CONSTRUCTION.
B. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.
C. PROVIDE ALL FASTENERS, HANGERS, AND ASSOCIATED DEVICES REQUIRED FOR COMPLETE INSTALLATION.

## INDEPENDENT LIVING AIR HANDLER & CONDENSING UNIT SCHEDULE

| MARK | MANUFACTURER | MODEL | MIN. O/A CFM | SUPPLY FAN CFM | ESP | DX COOLING EAT DB/WB | LAT DB/WB | ELEC HEAT OUTPUT KW | STEPS | V/PH | MCA | MOCP | CONDENSING UNIT MARK | MODEL | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-IL1A | TRANE | TEM4A0B30 | 145 | 980 | 0.5 | 78.0/65.7 | 55.0/53.8 | 11.5 | 1 | 208/3 | 40 | 40 | CU-IL1A | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3,4 |
| AHU-IL1B | TRANE | TEM4A0B30 | 125 | 1015 | 0.5 | 77.6/62.9 | 55.0/51.4 | 10.5 | 1 | 208/3 | 40 | 40 | CU-IL1B | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-IL1C | TRANE | TEM4A0B30 | 150 | 1005 | 0.5 | 78.1/63.2 | 55.0/51.4 | 7.5 | 1 | 208/3 | 40 | 40 | CU-IL1C | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3,4 |
| AHU-IL1D | TRANE | GAF2A0A18 | 85 | 575 | 0.5 | 78.1/66.7 | 55.0/54.1 | 5.5 | 1 | 208/1 | 38 | 40 | CU-IL1D | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL1E | TRANE | TEM4A0B30 | 115 | 780 | 0.5 | 78.0/65.5 | 55.0/53.7 | 9.5 | 1 | 208/3 | 40 | 40 | CU-IL1E | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3,4 |
| AHU-IL1F | TRANE | GAF2A0A18 | 80 | 535 | 0.75 | 78.2/63.5 | 55.0/52.6 | 5.0 | 1 | 208/1 | 38 | 40 | CU-IL1F | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL2A | TRANE | GAF2A0A18 | 75 | 525 | 0.5 | 78.0/65.6 | 55.0/53.6 | 5.5 | 1 | 208/1 | 38 | 40 | CU-IL2A | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL2B | TRANE | GAF2A0A18 | 55 | 400 | 0.5 | 77.9/64.2 | 55.0/52.6 | 5.0 | 1 | 208/1 | 38 | 40 | CU-IL2B | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL2C | TRANE | GAF2A0A18 | 55 | 400 | 0.5 | 78.1/66.6 | 55.0/54.1 | 5.0 | 1 | 208/1 | 38 | 40 | CU-IL2C | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL2D | TRANE | GAF2A0A18 | 55 | 400 | 0.75 | 78.0/64.1 | 55.0/53.1 | 5.0 | 1 | 208/1 | 38 | 40 | CU-IL2D | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL3A | TRANE | TEM4A0C42 | 185 | 1235 | 0.5 | 78.2/65.6 | 55.0/53.7 | 13.0 | 1 | 208/1 | 94 | 100 | CU-IL3A | 4TTR3042 | 208/1 | 35 | 35 | 1,2,3,4 |
| AHU-IL3B | TRANE | GAF2A0A18 | 40 | 400 | 0.5 | 77.9/63.4 | 55.0/52.8 | 5.0 | 1 | 208/1 | 38 | 40 | CU-IL3B | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL3C | TRANE | GAF2A0A18 | 95 | 635 | 0.5 | 78.2/64.8 | 55.0/53.4 | 5.0 | 1 | 208/1 | 38 | 40 | CU-IL3C | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-IL3D | TRANE | GAF2A0A18 | 80 | 540 | 0.75 | 78.1/63.9 | 55.0/53.1 | 5.5 | 1 | 208/1 | 38 | 40 | CU-IL3D | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3,4 |
| AHU-1001 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.5 | 55.0/53.8 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1001 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1002 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.5 | 5.0 | 1 | 208/1 | 45 | 45 | CU-1002 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1003 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.6 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1003 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1004 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/54.8 | 55.0/48.7 | 6.5 | 1 | 208/1 | 45 | 45 | CU-1004 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1005 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.5 | 1 | 208/1 | 45 | 45 | CU-1005 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1006 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/63.4 | 55.0/53.2 | 6.0 | 1 | 208/1 | 45 | 45 | CU-1006 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1007 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.9 | 55.0/54.0 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1007 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1008 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.4/54.8 | 55.0/47.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1008 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1009 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.5 | 1 | 208/1 | 45 | 45 | CU-1009 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1010 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/54.7 | 55.0/48.5 | 6.5 | 1 | 208/1 | 45 | 45 | CU-1010 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1011 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.6 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1011 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1012 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.5 | 5.0 | 1 | 208/1 | 45 | 45 | CU-1012 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1013 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1013 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1014 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/63.4 | 55.0/52.3 | 7.0 | 1 | 208/1 | 45 | 45 | CU-1014 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1015 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-1015 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1016 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 76.7/63.4 | 55.0/53.5 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1016 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1017 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-1017 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1018 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 76.7/63.4 | 55.0/53.5 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1018 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1019 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.3/63.3 | 55.0/53.2 | 7.0 | 1 | 208/1 | 45 | 45 | CU-1019 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1020 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.1 | 55.0/53.2 | 6.5 | 1 | 208/1 | 45 | 45 | CU-1020 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1021 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.3/63.4 | 55.0/53.2 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1021 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1022 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.1 | 55.0/53.2 | 7.0 | 1 | 208/1 | 45 | 45 | CU-1022 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1023 | TRANE | TEM4A0B30 | 50 | 1000 | 0.5 | 77.3/63.3 | 55.0/53.2 | 7.0 | 1 | 208/3 | 40 | 40 | CU-1023 | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-1024 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 76.7/63.4 | 55.0/53.5 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1024 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1025 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-1025 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1026 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.2 | 55.0/53.2 | 7.0 | 1 | 208/1 | 45 | 45 | CU-1026 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1027 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.3/63.7 | 55.0/53.1 | 7.5 | 1 | 208/1 | 45 | 45 | CU-1027 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-1028 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.4/64.9 | 55.0/54.0 | 5.0 | 1 | 208/1 | 36 | 40 | CU-1028 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-1030 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 76.4/63.1 | 55.0/53.2 | 5.5 | 1 | 208/1 | 45 | 45 | CU-1030 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2001 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2001 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2002 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.8 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2002 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2003 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.5 | 55.0/53.8 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2003 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2004 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.8 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2004 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2005 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.6 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2005 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2006 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/54.8 | 55.0/48.7 | 6.5 | 1 | 208/1 | 45 | 45 | CU-2006 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2007 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.5 | 1 | 208/1 | 45 | 45 | CU-2007 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2008 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/54.7 | 55.0/48.5 | 6.5 | 1 | 208/1 | 45 | 45 | CU-2008 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2009 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.9 | 55.0/54.0 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2009 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2010 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.4/54.8 | 55.0/47.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2010 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2011 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.5 | 1 | 208/1 | 45 | 45 | CU-2011 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2012 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/54.7 | 55.0/48.5 | 6.5 | 1 | 208/1 | 45 | 45 | CU-2012 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2013 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.6 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2013 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2014 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.6 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2014 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2015 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.8 | 55.0/53.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2015 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2016 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/63.4 | 55.0/52.3 | 7.0 | 1 | 208/1 | 45 | 45 | CU-2016 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2017 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/63.4 | 55.0/52.8 | 8.5 | 1 | 208/1 | 45 | 45 | CU-2017 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2018 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.7 | 55.0/53.9 | 5.5 | 1 | 208/1 | 45 | 45 | CU-2018 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2019 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2019 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2020 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.1 | 55.0/53.2 | 7.0 | 1 | 208/1 | 45 | 45 | CU-2020 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2021 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2021 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2022 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.1 | 55.0/53.2 | 7.0 | 1 | 208/1 | 45 | 45 | CU-2022 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2023 | TRANE | TEM4A0B30 | 50 | 1000 | 0.5 | 77.3/63.3 | 55.0/53.2 | 7.0 | 1 | 208/3 | 40 | 40 | CU-2023 | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-2024 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 76.7/63.4 | 55.0/53.5 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2024 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2025 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.3/63.4 | 55.0/53.2 | 5.0 | 1 | 208/1 | 36 | 40 | CU-2025 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2026 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.1 | 55.0/53.2 | 7.0 | 1 | 208/1 | 45 | 45 | CU-2026 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-2027 | TRANE | TEM4A0B30 | 50 | 1000 | 0.5 | 77.3/63.3 | 55.0/53.2 | 7.0 | 1 | 208/3 | 40 | 40 | CU-2027 | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-2028 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 76.4/63.0 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2028 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2029 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/53.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-2029 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2030 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 76.4/63.1 | 55.0/53.2 | 5.5 | 1 | 208/1 | 45 | 45 | CU-2030 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-2031 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.3/63.7 | 55.0/53.1 | 7.5 | 1 | 208/1 | 45 | 45 | CU-2031 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3001 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.4/64.5 | 55.0/52.6 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3001 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3002 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/59.5 | 55.0/47.9 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3002 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3003 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.3 | 55.0/52.5 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3003 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3004 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.1 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3004 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3005 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.4 | 55.0/52.6 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3005 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3006 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/60.1 | 55.0/48.8 | 6.0 | 1 | 208/1 | 45 | 45 | CU-3006 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3007 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.6 | 55.0/52.7 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3007 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3008 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/60.0 | 55.0/48.6 | 6.0 | 1 | 208/1 | 45 | 45 | CU-3008 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3009 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.7 | 55.0/52.7 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3009 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3010 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.4/60.2 | 55.0/48.1 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3010 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3011 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.5/64.6 | 55.0/52.7 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3011 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3012 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/60.0 | 55.0/48.6 | 6.0 | 1 | 208/1 | 45 | 45 | CU-3012 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3013 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.4/64.4 | 55.0/52.6 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3013 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3014 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/61.8 | 55.0/51.2 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3014 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3015 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.5/64.6 | 55.0/52.7 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3015 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3016 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.4/63.3 | 55.0/51.9 | 6.0 | 1 | 208/1 | 45 | 45 | CU-3016 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3017 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 77.4/61.8 | 55.0/50.1 | 7.5 | 1 | 208/1 | 45 | 45 | CU-3017 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3018 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.0 | 55.0/52.8 | 6.0 | 1 | 208/1 | 45 | 45 | CU-3018 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3019 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.1 | 55.0/52.5 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3019 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3020 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.0 | 55.0/52.8 | 6.0 | 1 | 208/1 | 45 | 45 | CU-3020 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3021 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/52.5 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3021 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3022 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.0 | 55.0/52.8 | 6.5 | 1 | 208/1 | 45 | 45 | CU-3022 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3023 | TRANE | TEM4A0B30 | 50 | 1000 | 0.5 | 77.3/63.2 | 55.0/52.6 | 6.5 | 1 | 208/3 | 40 | 40 | CU-3023 | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-3024 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 76.7/63.3 | 55.0/52.9 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3024 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3025 | TRANE | TEM4A0B18 | 50 | 400 | 0.5 | 77.3/63.4 | 55.0/52.6 | 5.0 | 1 | 208/1 | 36 | 40 | CU-3025 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3026 | TRANE | TEM4A0B24 | 50 | 800 | 0.5 | 76.4/63.0 | 55.0/52.8 | 6.5 | 1 | 208/1 | 45 | 45 | CU-3026 | 4TTR3024 | 208/1 | 18 | 30 | 1,2,3 |
| AHU-3027 | TRANE | TEM4A0B30 | 50 | 1000 | 0.5 | 77.3/63.2 | 55.0/52.6 | 6.5 | 1 | 208/3 | 40 | 40 | CU-3027 | 4TTR3030 | 208/1 | 16 | 25 | 1,2,3 |
| AHU-3028 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 76.7/63.1 | 55.0/53.0 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3028 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3029 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.2 | 55.0/52.5 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3029 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3030 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 76.7/63.2 | 55.0/53.0 | 5.0 | 1 | 208/1 | 45 | 45 | CU-3030 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |
| AHU-3031 | TRANE | TEM4A0B18 | 50 | 600 | 0.5 | 77.3/63.5 | 55.0/52.5 | 6.5 | 1 | 208/1 | 45 | 45 | CU-3031 | 4TTR3018 | 208/1 | 12 | 20 | 1,2,3 |

**NOTES:**

1. PROVIDE WITH MANUFACTURER'S PROGRAMMABLE THERMOSTAT.
2. AIR HANDLING UNIT TO BE VERTICAL UPFLOW CONFIGURATION.
3. DISCONNECT TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. PROVIDE UNIT WITH ATMOS AIR IONIZATION UNIT MODEL M1000 TO ACHIEVE SCHEDULED OUTSIDE AIR CFM. ORIENT IONIZATION UNIT IN ACCESSIBLE LOCATION IN SUPPLY AIR DUCT PER MANUFACTURER'S REQUIREMENTS FOR OPTIMAL ION DISTRIBUTION. PROVIDE WITH MANUFACTURER'S AIR PRESSURE SWITCH TO ACTIVATE UNIT WHEN AIR HANDLER IS RUNNING.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE MINIMUM EFFICIENCY OF MERV 6 FOR FILTERS DURING CONSTRUCTION AND CHANGE MONTHLY AFTER UNIT START-UP. FINAL FILTER CHANGE AT OWNER OCCUPANCY SHALL BE MERV 7.
B. PROVIDE A 3/4" CONDENSATE DRAIN WITH A 2" TRAP. PROVIDE A CONDENSATE NEUTRALIZER FOR VENT CONDENSATE DRAIN.
C. PROVIDE FILTER FRAME FOR 1" FILTER.
D. PROVIDE A SECONDARY DRAIN PAN FOR ALL COOLING COILS AND ROUTE 3/4" CONDENSATE LINE TO NEAREST FLOOR DRAIN, INDEPENDENT OF PRIMARY CONDENSATE DRAIN.
E. UNIT MANUFACTURER SHALL MAKE COOLING COIL SELECTION. UNIT MANUFACTURER AND INSTALLING CONTRACTOR SHALL SIZE REFRIFERANT PIPING FOR THE FINAL FIELD ROUTING ELEVATION CHANGES, AND CONDENSER LOCATIONS. PROVIDE TRAPS, TXV, ADDITIONAL REFRIGERANT, LOW VOLTAGE STARTER KIT, OFF CYCLE TIMER, CRANKCASE HEATER, AND ACCUMULATOR AS REQUIRED FOR PROPER OPERATION OF THE SYSTEM.
F. ELECTRIC HEAT KW INDICATES THE MINIMUM NET HEATING KW REQUIRED FROM UNIT.
G. LOADS BASED ON 105 DEGREES F AMBIENT TEMPERATURE.
H. REFRIGERANT LINES SHALL BE ROUTED CONCEALED IN ATTIC SPACES AND WALLS TO ASSOCIATED COOLING COIL. REFRIGERANT LINES SHALL BE FIELD INSTALLED BY THE CONTRACTOR.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/23/2020

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
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H&B PROJECT NUMBER : 1820588
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STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER
8/10/19

INDEPENDENT LIVING
MECHANICAL
SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
M6.1

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## POOL DEHUMIDIFICATION UNIT SCHEDULE

| MARK | MANUFACTURER | MODEL | OA CFM | SUPPLY FAN | | | | EXHAUST FAN | | | | DX COOLING COIL | | | EVAPORATOR CAPACITY | | | AUXILIARY GAS HEAT | | | ELECTRICAL | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CFM | TYPE | ESP | HP | CFM | TYPE | ESP | HP | EAT DB/WB | LAT DB/WB | TOT MBH | EAT DB/WB | SENS MBH | LAT MBH | INPUT MBH | OUTPUT MBH | CTRL STEPS | V/PH | MCA | MOCP | |
| DHU-1L | POOLPAK | PCP-1400-PB-X | 620 | 1,700 | PLENUM | 0.75 | 2.2 | 700 | PLENUM | 0.5 | 1.2 | 84.8/68.1 | 55.0/51.3 | 54.3 | 96/77 | 27.4 | 24.5 | 100 | 80 | MOD | 208/3 | 34 | 40 | 1,2,3,4 |

**NOTES:**

1. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR SINGLE POINT ELECTRICAL CONNECTION.
2. INSTALL DUCT HEATER IN SUPPLY DUCT AFTER DUCT PENETRATES BUILDING ENVELOPE. COORDINATE INSTALLATION WITH MANUFACTURER TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. PROVIDE ALL INSULATION REQUIRED FOR INSTALLATION IN ATTIC SPACE COMPLETE.
3. PROVIDE 18" INSULATED PLENUM ROOF CURB. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPE.
4. PROVIDE UNIT IN SINGLE PACKAGE ROOFTOP CONFIGURATION.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. PROVIDE PLEATED MERV 8 FILTERS FOR SUPPLY AIRSTREAM.
B. ELECTRICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN THE MAIN RETURN DUCT AND INTERLOCK WITH UNIT PER CODE.
C. MAXIMUM BHP FOR FANS SHALL NOT EXCEED 90% OF THE MOTOR NAMEPLATE RATING AT OPERATING CONDITIONS.
D. AIR VELOCITY ACROSS THE COOLING COIL SHALL NOT EXCEED 500 FPM.
E. DX COOLING COIL SHALL BE SELECTED BASED ON 44F SATURATED SUCTION TEMPERATURE.
F. COOLING CAPACITY SHALL BE BASED ON 105 F AMBIENT TEMPERATURE.
G. PROVIDE A CONDENSATE DRAIN WITH A TRAP DEPTH 2" DEEPER THAN THE EXPECTED STATIC PRESSURE AT THE DRAIN LOCATION IN THE UNIT.

## CABINET UNIT HEATER & UNIT HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | CFM | KW | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|---|
| WH-IL1 | MARKEL | J332TTD-RP | 175 | 4.8 | 208/3 | 13.33 | 20 | 1,2,3 |
| WH-IL2 | MARKEL | J332TTD-RP | 175 | 4.8 | 208/3 | 13.33 | 20 | 1,2,3 |
| WH-IL3 | MARKEL | J332TTD-RP | 175 | 4.8 | 208/3 | 13.33 | 20 | 1,2,3 |
| | | | | | | | | |

**NOTES:**

1. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR A SINGLE-POINT ELECTRICAL CONNECTION.
2. PROVIDE UNIT MOUNTED, FACTORY WIRED THERMOSTAT.
3. UNIT IS TO BE SURFACE MOUNTED.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. ELECTRIC HEAT KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN.
B. CABINET COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR.

## KITCHEN HOOD SCHEDULE

| MARK | MANUFACTURER | MODEL | OVERALL LENGTH | WIDTH | EXHAUST CFM | SP IN WG | SUPPLY CFM | SP IN WG | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| H-1 | DENLAR F.P. | D1030-F (NFPA101) | 20" | 30" | 500 | 0.1 | - | - | 1,2,3 |
| | | | | | | | | | |

**NOTES:**

1. PROVIDE WITH ELECTRICAL RANGE ELEMENT DISCONNECT.
2. PROVIDE WITH MANUAL PULL STATION KIT FOR REMOTE ACTIVATION.
3. PROVIDE WITH HANDICAPPED ACCESSIBLE CONTROL BOX.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. HOOD TO BE MOUNTED 66" ABOVE FINISHED FLOOR TO BOTTOM OF HOOD.
B. PROVIDE ALUMINUM FILTERS.
C. PROVIDE INCANDESCENT LIGHTING BY HOOD MANUFACTURER WITH AN AVERAGE OF 20 FOOTCANDLES AT THE COOKING SURFACE.
D. PROVIDE COMPLETE ANSUL FIRE SUPPRESSION SYSTEM.

## BASEBOARD HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | KW | V/PH | MCA | MOCP | NOTES |
|---|---|---|---|---|---|---|---|
| BH-IL1 | MARKEL | F3120-046 | 2 | 208/1 | 9.6 | 20 | 1,2 |
| BH-IL2 | MARKEL | F3120-046 | 2 | 208/1 | 9.6 | 20 | 1,2 |
| | | | | | | | |

**NOTES:**

1. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR A SINGLE-POINT ELECTRICAL CONNECTION.
2. PROVIDE UNIT MOUNTED, FACTORY WIRED THERMOSTAT.

**GENERAL NOTES (APPLY TO ALL ABOVE):**

A. ELECTRIC HEATER KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN.
B. CABINET COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR.

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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
06/20/19

SWD ARCHITECTS
EST 1935

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2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

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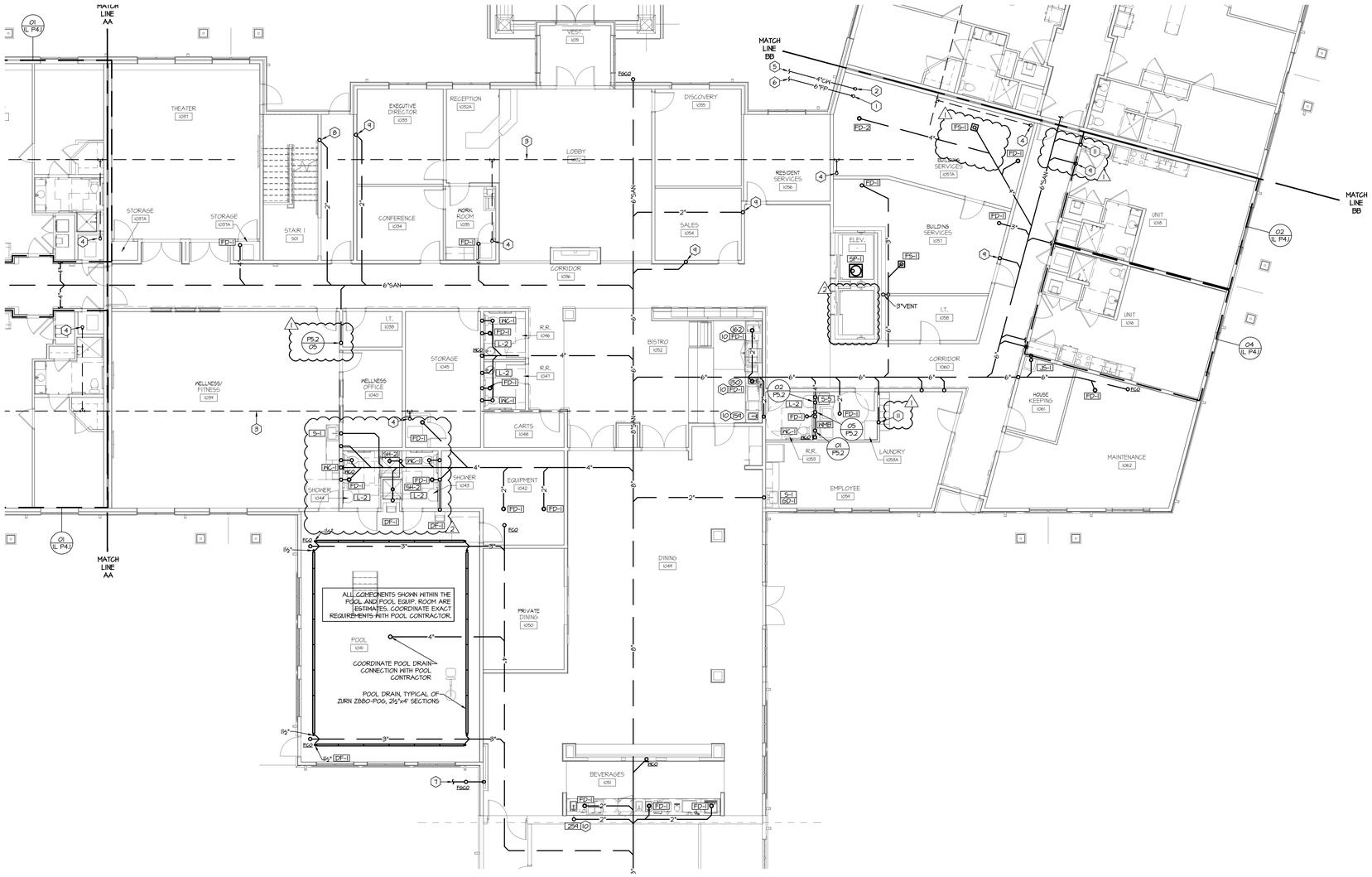



01 1ST FLOOR AREA B - BELOW GRADE PLUMBING
SCALE: 1/8" = 1'-0"

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY COMPONENTS AND OFFSETS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.

B. REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT LOCATIONS OF PLUMBING FIXTURES.

C. COORDINATE THE INSTALLATION OF PLUMBING AND PIPING WITH THE WORK OF ALL OTHER TRADES.

D. PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

E. THE CONTRACTOR SHALL NOT LOCATE PIPING BELOW DUCT MOUNTED AIR TERMINAL UNITS, TERMINAL HEATING COILS, OR OTHER EQUIPMENT.

F. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL PLUMBING SYSTEMS.

G. COORDINATE THE SHUT DOWN OF ANY EXISTING SERVICES AND/OR EQUIPMENT WITH THE OWNER'S REPRESENTATIVE.

H. PLUMBING VENT PIPING THROUGH THE ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF THE PARAPET.

I. PROVIDE THE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.

J. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 2".

K. CONTRACTOR SHALL CLEARLY LABEL ALL SHUTOFF VALVES WITH ROOM NAMES AND NUMBERS ASSOCIATED WITH PLUMBING CONNECTED TO EACH SHUTOFF VALVE.

L. ALL VALVES LOCATED IN CLOSETS WHICH OPEN TO THE CORRIDORS MAY BE EXPOSED. ALL VALVES LOCATED IN CLOSETS OPENING INTO RESIDENT'S ROOMS MUST BE CONCEALED ABOVE CEILING OR IN WALL WITH AN ACCESS PANEL. ALL RECIRC WATER CIRCUIT SETTERS SHALL BE INSTALLED IN SAME CLOSET AS DOMESTIC WATER SHUTOFF VALVES WHERE POSSIBLE.

M. PLUMBING ROUGH-IN WORK FOR ALL LARGE (NON-RESIDENTIAL) KITCHENS SHALL BE COORDINATED WITH THE KITCHEN CONTRACTOR. INDIRECT DRAINS REQUIRED IN THE LARGE KITCHENS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.

N. PROVIDE SEISMIC RESTRAINT SYSTEM TO KEEP ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION BUILDING SYSTEM COMPONENTS IN PLACE DURING A SEISMIC EVENT EQUAL TO THE CODE MANDATED SEISMIC FORCE LEVELS FOR THE AREA. REFERENCE SPECIFICATIONS FOR MORE INFORMATION.

O. ALL ABOVE GRADE PIPING IN CORRIDORS SHALL BE ROUTED WITHIN SOFFITS.

P. ALL GAS REGULATORS SHALL BE PROVIDED WITH VENT PIPING TO EXTERIOR OF BUILDING.

Q. PROVIDE CLEANOUTS AS REQUIRED BY CODE FOR ALL BRANCH SANITARY LINES.

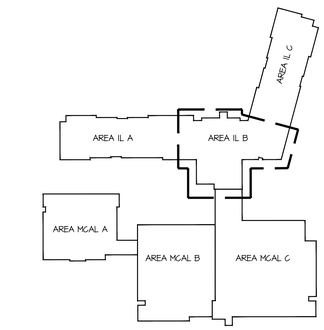
R. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## PLAN NOTES:

1. 6" FIRE PROTECTION SERVICE.
2. 4" DOMESTIC WATER SERVICE.
3. 4" PERFORATED PVC PIPING INSTALLED IN CENTER OF GRAVEL LAYER FOR RADON CONTROL SYSTEM. INTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
4. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON CONTROL SYSTEM.
5. PROVIDE A NEW 4" REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY AT THIS LOCATION, FEBCO MODEL 825YD OR EQUIVALENT, SEE DETAIL ON DRAWINGS FOR INSTALLATION REQUIREMENTS. PROVIDE NEW DOMESTIC WATER SERVICE FROM CITY MAIN, SEE CIVIL SITE PLAN FOR MORE INFORMATION.
6. PROVIDE NEW FIRE SPRINKLER SERVICE ENTRANCE IN ACCORDANCE WITH THE DETAIL ON DRAWINGS. THE FIRE SPRINKLER CONTRACTOR (FSC) SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, MATERIALS AND COMPLETE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM. THE FSC SHALL PREPARE ALL NEEDED DRAWINGS TO MEET N.F.P.A. REQUIREMENTS AND HAVE APPROVAL OF ALL LOCAL, STATE AND INSURANCE UNDERWRITING AUTHORITIES. THE SYSTEM SHALL BE TESTED UNDER PRESSURE BY THE FSC AND INSPECTED AND APPROVED BY THE LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. THE FSC SHALL COORDINATE LOCATION OF THE ENTIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES.
7. 4" STORM DRAIN. REFER TO SITE PLAN MPEU FOR CONTINUATION.
8. 2" WASTE FROM THIRD FLOOR SINK.
9. 2" WASTE FROM ABOVE.
10. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
11. 3" WASTE FROM ABOVE.

## RADON CONTROL SYSTEM NOTES:

1. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
2. OPENINGS AROUND BATHTUBS, SHOWERS, WATER CLOSETS, PIPES, WIRES OR OTHER OBJECTS THAT PENETRATE CONCRETE SLABS OR OTHER FLOOR ASSEMBLIES SHALL BE FILLED WITH A POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1699 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA B
BELOW GRADE
PLUMBING
INDEPENDENT LIVING
ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
P0.1

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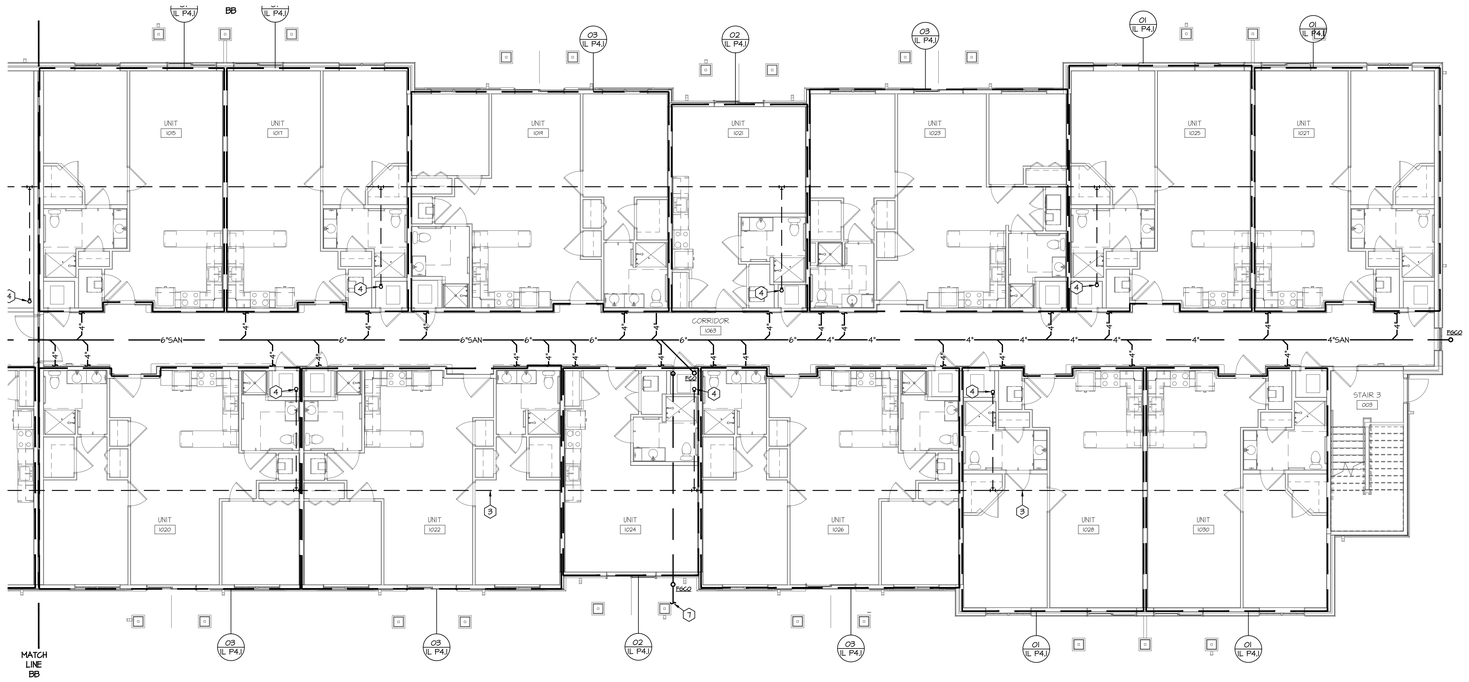
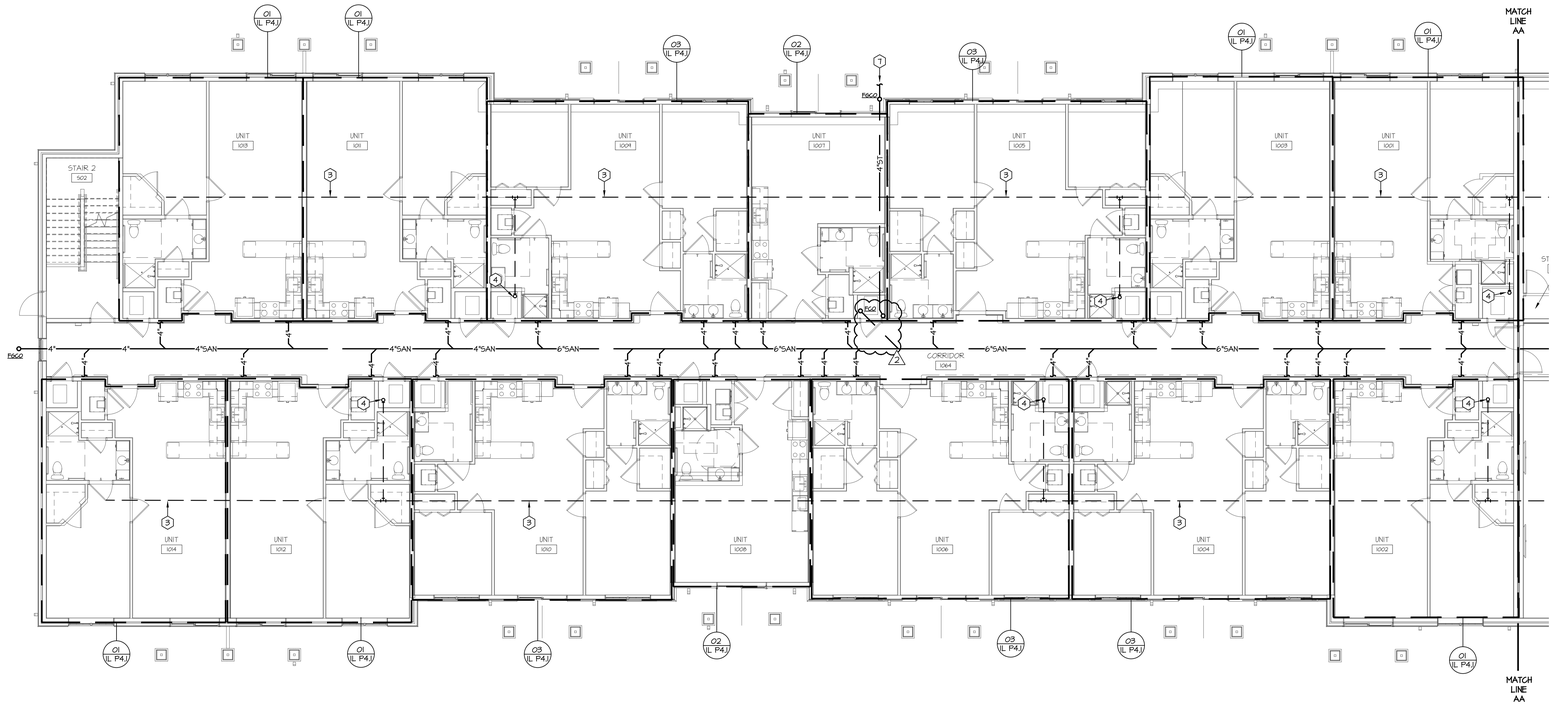



01 1ST FLOOR AREA C - BELOW GRADE PLUMBING

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

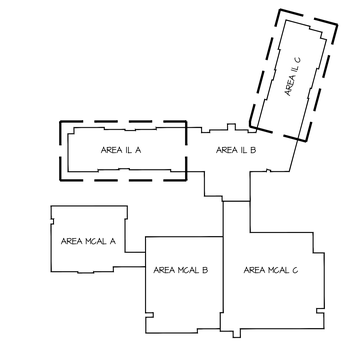
NORTH




02 1ST FLOOR AREA A - BELOW GRADE PLUMBING

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## (K) PLAN NOTES:

1. 6" FIRE PROTECTION SERVICE.
2. 4" DOMESTIC WATER SERVICE.
3. 4" PERFORATED PVC PIPING INSTALLED IN CENTER OF GRAVEL LAYER FOR RADON CONTROL SYSTEM. INTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
4. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON CONTROL SYSTEM.
5. PROVIDE A NEW 4" REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY AT THIS LOCATION, FEBCO MODEL 825YD OR EQUIVALENT, SEE DETAIL ON DRAWINGS FOR INSTALLATION REQUIREMENTS. PROVIDE NEW DOMESTIC WATER SERVICE FROM CITY MAIN, SEE CIVIL SITE PLAN FOR MORE INFORMATION.
6. PROVIDE NEW FIRE SPRINKLER SERVICE ENTRANCE IN ACCORDANCE WITH THE DETAIL ON DRAWINGS. THE FIRE SPRINKLER CONTRACTOR (FSC) SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, MATERIALS AND COMPLETE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM. THE FSC SHALL PREPARE ALL NEEDED DRAWINGS TO MEET N.F.P.A. REQUIREMENTS AND HAVE APPROVAL OF ALL LOCAL, STATE AND INSURANCE UNDERWRITING AUTHORITIES. THE SYSTEM SHALL BE TESTED UNDER PRESSURE BY THE FSC AND INSPECTED AND APPROVED BY THE LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. THE FSC SHALL COORDINATE LOCATION OF THE ENTIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES.
7. 4" STORM DRAIN, REFER TO SITE PLAN MPE1.0 FOR CONTINUATION.
8. 2" WASTE FROM THIRD FLOOR SINK.
9. 2" WASTE FROM ABOVE.
10. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
11. 3" WASTE FROM ABOVE.

## RADON CONTROL SYSTEM NOTES:

1. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC APPENDIX F.
2. OPENINGS AROUND BATHTUBS, SHOWERS, WATER CLOSETS, PIPES, WIRES OR OTHER OBJECTS THAT PENETRATE CONCRETE SLABS OR OTHER FLOOR ASSEMBLIES SHALL BE FILLED WITH A POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

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IL P0.2

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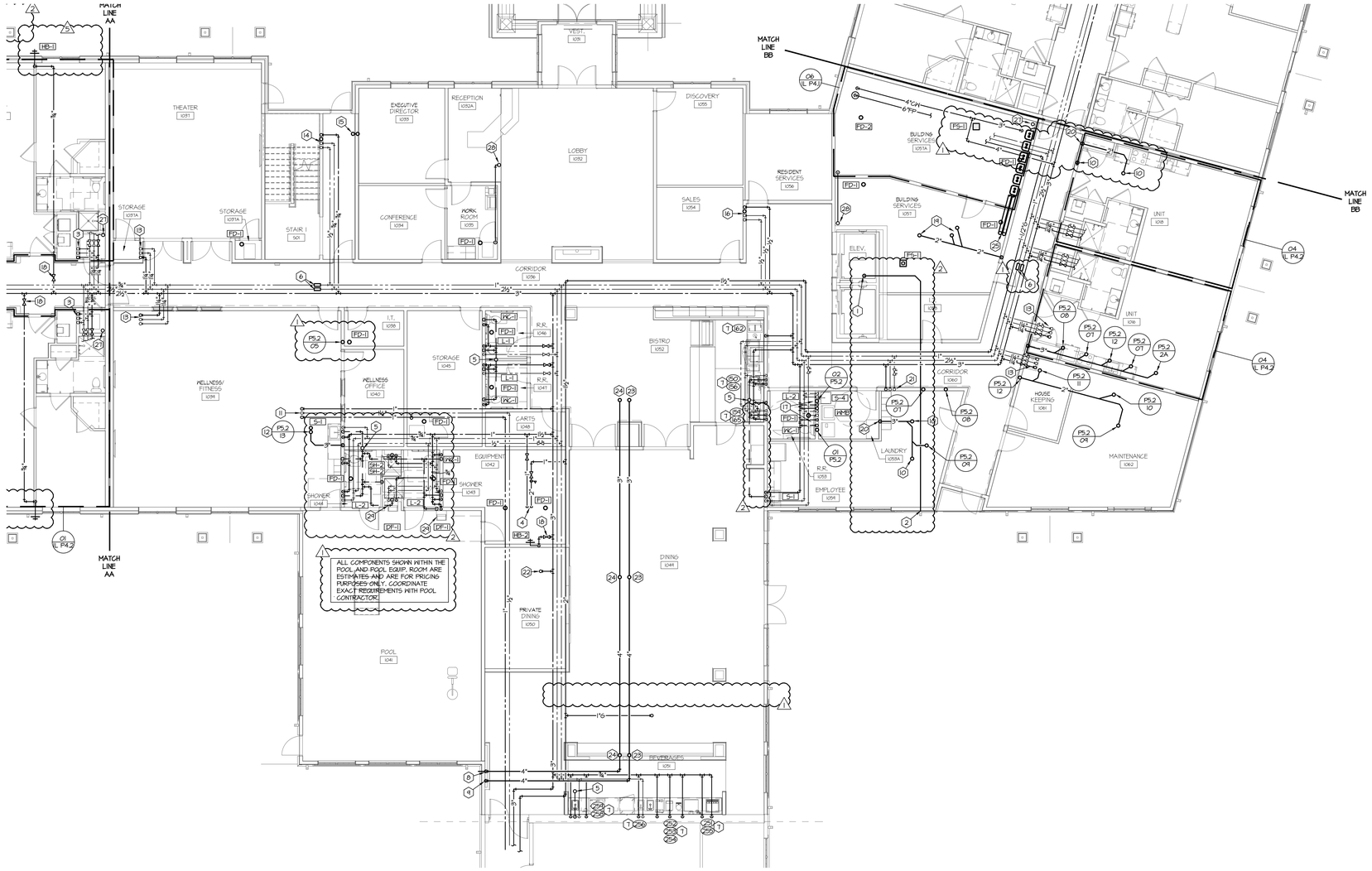



## 01 1ST FLOOR AREA B - PLUMBING

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

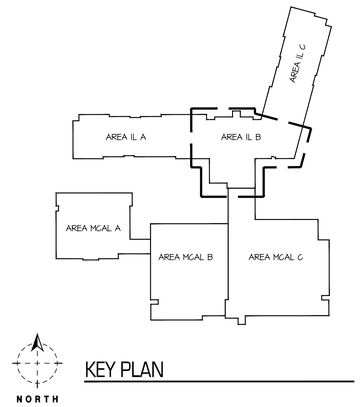
NORTH

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. ~~2" DIA. DRAIN PIPE FROM SUMP PIT TO DISCHARGE~~
2. 2" PVC SUMP PUMP DISCHARGE. TIE INDIRECTLY INTO STORM PIPE FOR GUTTER.
3. DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRC. RISERS. REFER TO DETAIL #14 SHEET IL P5.2 FOR ADDITIONAL INFORMATION. PROVIDE CIRCUIT SETTER AT BASE OF RECIRC. TEMPERED HOT WATER RISER.
4. 2" GAS AND 1" COLD WATER LINES-VALVE AND CAP FOR POOL HEATERS. COORDINATE ALL REQUIREMENTS AND CONNECTIONS WITH POOL CONTRACTOR.
5. 3" VENT THROUGH ROOF. SEE MPE2.1 FOR CONTINUATION.
6. EXPANSION COMPENSATOR, TYPICAL OF FLEXCRAFT COMPENSATOR 35. EACH COMPENSATOR SHALL BE SAME SIZE AS PIPE AT THIS LOCATION.
7. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
8. 4" OVERFLOW STORM DRAIN. ROUTE TO EXTERIOR WALL AND OUT ABOVE GRADE WITH DOWNSPOUT NOZZLE AND SPLASH BLOCK.
9. 4" STORM DRAIN. REFER TO BELOW GRADE PLUMBING PLANS FOR CONTINUATION.
10. 2" WASTE FROM ABOVE.
11. 1" HOT AND COLD WATER AND ½" RECIRCULATION UP TO SECOND AND THIRD FLOORS.
12. 3" WASTE FROM SECOND AND 3RD FLOOR MAINTENANCE AND LAUNDRY ROOMS. OFFSET DOWN IN WALL TO BELOW GRADE.
13. DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRC. RISERS. REFER TO DETAIL #15 SHEET IL P5.2 FOR ADDITIONAL INFORMATION. PROVIDE CIRCUIT SETTER AT BASE OF RECIRC. TEMPERED HOT WATER RISER.
14. ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP TO SINK ON THIRD FLOOR. 2" WASTE DOWN TO BELOW GRADE.
15. 2" WASTE FROM FLOOR DRAIN ABOVE. TIE INTO 2" WASTE TO BELOW GRADE.
16. ½" COLD WATER, ½" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP TO SINK ON THIRD FLOOR. 2" WASTE DOWN TO BELOW GRADE.
17. (2) ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP AND DOWN SERVING LAVATORY AND WATER CLOSET ON ALL 3 FLOORS.
18. ¾" COLD WATER TO HOSE BIBB. PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
19. 2" WASTE FROM FLOOR DRAINS ABOVE. OFFSET IN WALL TO BELOW GRADE.
20. 3" WASTE DOWN TO BELOW GRADE.
21. ½" TEMPERED HOT WATER, COLD WATER, AND TEMPERED HOT WATER RECIRC. UP TO SECOND FLOOR SALON SINKS.
22. ¾" COLD WATER UP TO ROOF HYDRANT RH-1.
23. 4" STORM DRAIN UP TO 4" ROOF DRAIN.
24. 4" OVERFLOW STORM DRAIN UP TO 4" OVERFLOW DRAIN.
25. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS BELOW.
26. ¾" COLD WATER UP TO ROOF HYDRANT RH-1.
27. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.
28. 3" PVC PIPE FOR PASSIVE RADON SUPPRESSION SYSTEM UP TO 2ND FLOOR.
29. REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHT FOR DRINKING FOUNTAIN.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073
H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA B
PLUMBING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
P1.1

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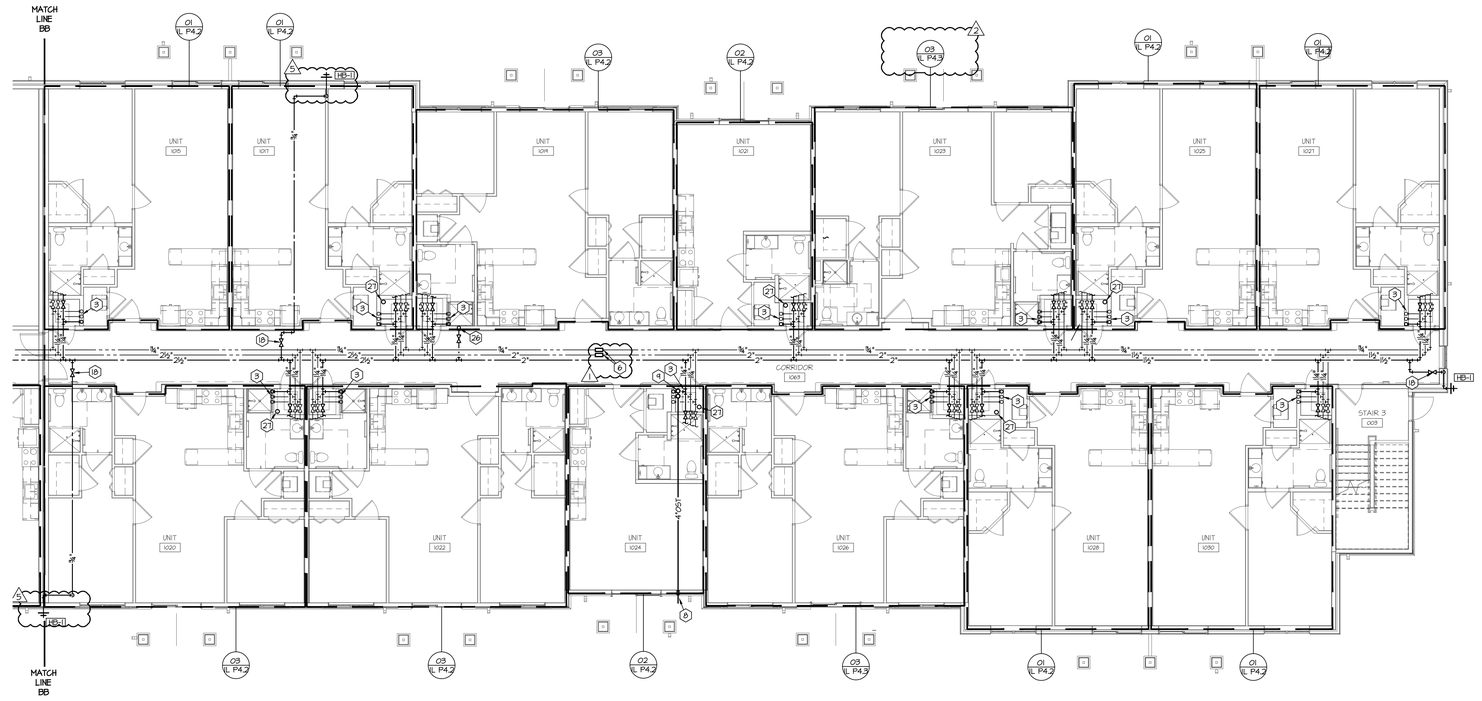



01 1ST FLOOR AREA C - PLUMBING

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

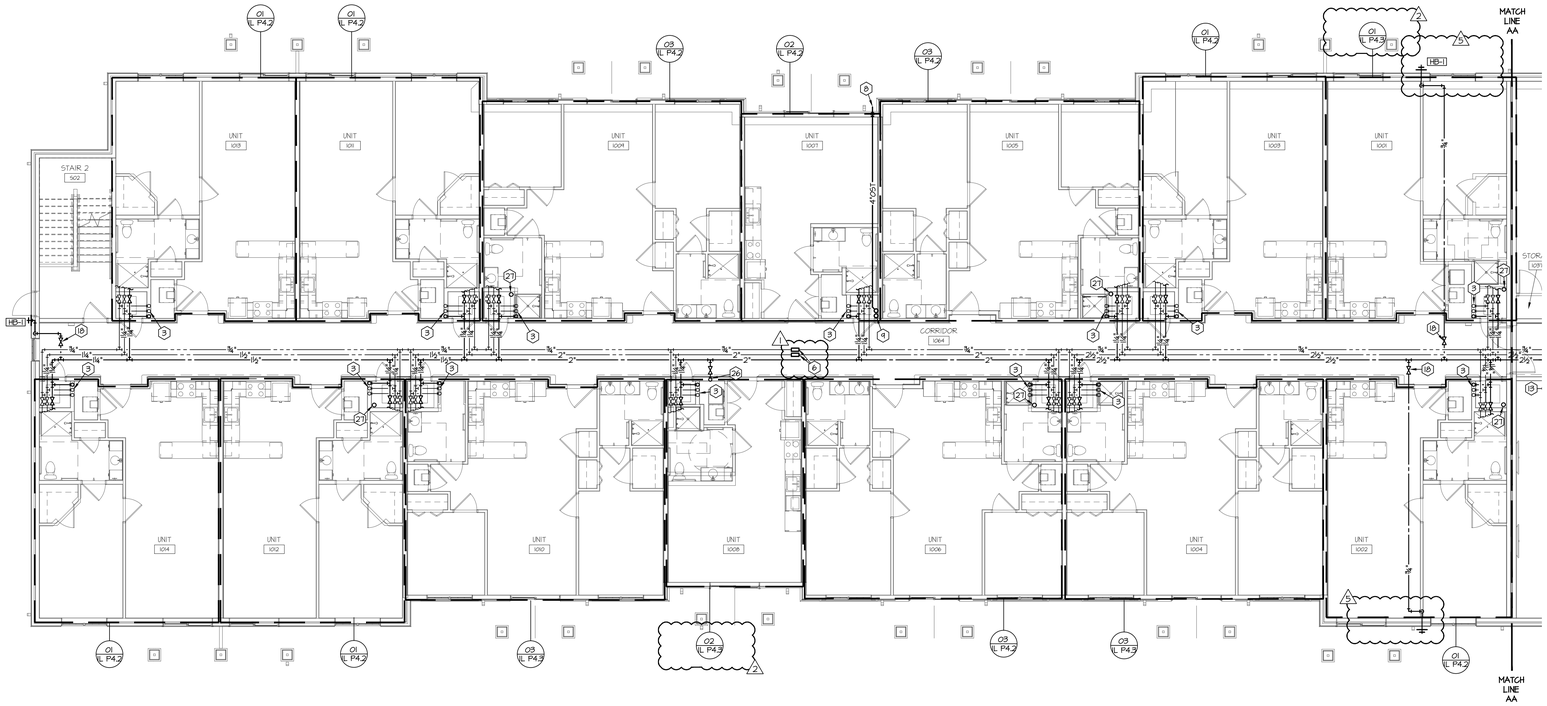
NORTH

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

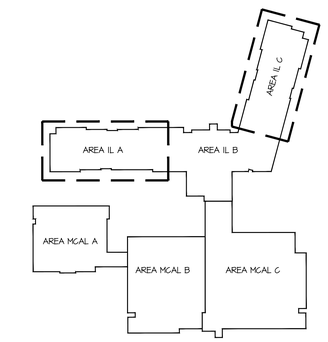
1. ~~2" PVC DRAIN PIPE FROM EMERGENCY OVERFLOW DISCHARGE~~
2. 2" PVC SUMP PUMP DISCHARGE. TIE INDIRECTLY INTO STORM PIPE FOR GUTTER.
3. DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRC. RISERS. REFER TO DETAIL #14 SHEET IL P5.2 FOR ADDITIONAL INFORMATION. PROVIDE CIRCUIT SETTER AT BASE OF RECIRC. TEMPERED HOT WATER RISER.
4. 2" GAS AND 1" COLD WATER LINES-VALVE AND CAP FOR POOL HEATERS. COORDINATE ALL REQUIREMENTS AND CONNECTIONS WITH POOL CONTRACTOR.
5. 3" VENT THROUGH ROOF. SEE MPE2.1 FOR CONTINUATION.
6. EXPANSION COMPENSATOR, TYPICAL OF FLEXCRAFT COMPENSATOR 35. EACH COMPENSATOR SHALL BE SAME SIZE AS PIPE AT THIS LOCATION.
7. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
8. 4" OVERFLOW STORM DRAIN. ROUTE TO EXTERIOR WALL AND OUT ABOVE GRADE WITH DOWNSPOUT NOZZLE AND SPLASH BLOCK.
9. 4" STORM DRAIN. REFER TO BELOW GRADE PLUMBING PLANS FOR CONTINUATION.
10. 2" WASTE FROM ABOVE.
11. 1" HOT AND COLD WATER AND ½" RECIRCULATION UP TO SECOND AND THIRD FLOORS.
12. 3" WASTE FROM SECOND AND 3RD FLOOR MAINTENANCE AND LAUNDRY ROOMS. OFFSET DOWN IN WALL TO BELOW GRADE.
13. DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRC. RISERS. REFER TO DETAIL #15 SHEET IL P5.2 FOR ADDITIONAL INFORMATION. PROVIDE CIRCUIT SETTER AT BASE OF RECIRC. TEMPERED HOT WATER RISER.
14. ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP TO SINK ON THIRD FLOOR. 2" WASTE DOWN TO BELOW GRADE.
15. 2" WASTE FROM FLOOR DRAIN ABOVE. TIE INTO 2" WASTE TO BELOW GRADE.
16. ½" COLD WATER, ½" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP TO SINK ON THIRD FLOOR. 2" WASTE DOWN TO BELOW GRADE.
17. (2) ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP AND DOWN SERVING LAVATORY AND WATER CLOSET ON ALL 3 FLOORS.
18. ¾" COLD WATER TO HOSE BIBB. PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
19. 2" WASTE FROM FLOOR DRAINS ABOVE. OFFSET IN WALL TO BELOW GRADE.
20. 3" WASTE DOWN TO BELOW GRADE.
21. ½" TEMPERED HOT WATER, COLD WATER, AND TEMPERED HOT WATER RECIRC. UP TO SECOND FLOOR SALON SINKS.
22. ¾" COLD WATER UP TO ROOF HYDRANT RH-1.
23. 4" STORM DRAIN UP TO 4" ROOF DRAIN.
24. 4" OVERFLOW STORM DRAIN UP TO 4" OVERFLOW DRAIN.
25. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS BELOW.
26. ¾" COLD WATER UP TO ROOF HYDRANT RH-1.
27. 3" PVC PIPE UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.
28. 3" PVC PIPE FOR PASSIVE RADON SUPPRESSION SYSTEM UP TO 2ND FLOOR.
29. REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHT FOR DRINKING FOUNTAIN.




02 1ST FLOOR AREA A - PLUMBING

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

NORTH




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
EST 1935

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STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD SUITE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL

PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
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PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA A & C
PLUMBING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
P1.2

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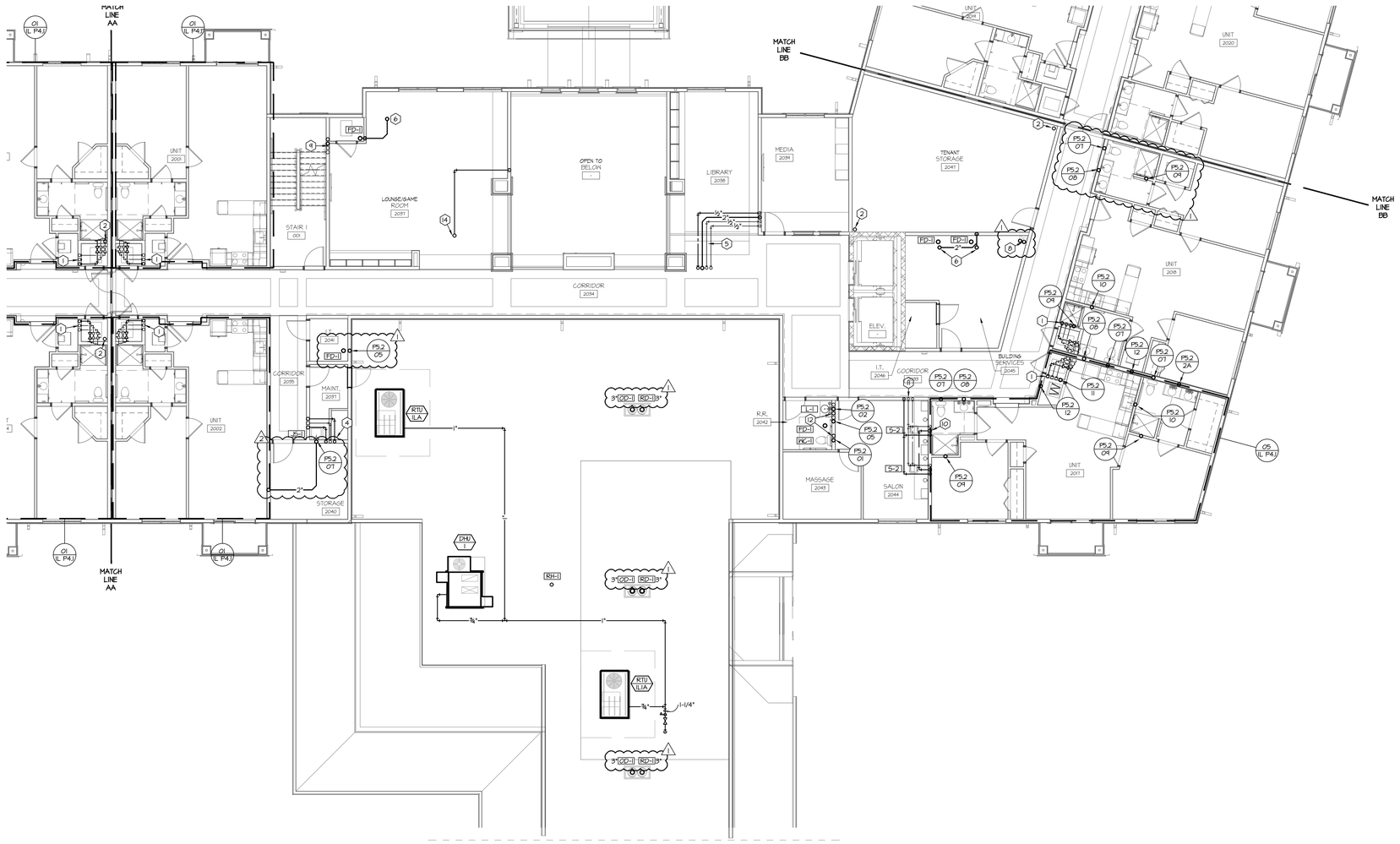
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

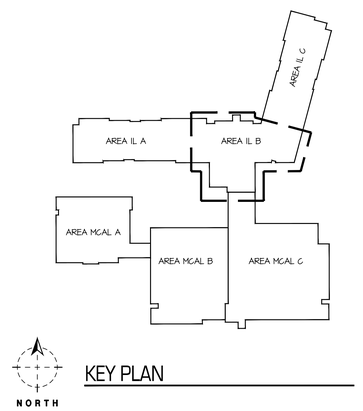
1. RISERS FOR DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRCULATION. REFER TO PLUMBING RISER DIAGRAMS AND ENLARGED PARTIAL PLUMBING PLANS FOR CONTINUATION.
2. 3" PVC RISER UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.
3. 4" STORM DRAIN AND 4" OVERFLOW DRAIN DOWN.
4. 1" HOT AND COLD WATER AND ¾" RECIRCULATION UP TO THIRD FLOOR SERVING LAUNDRY AND MAINTENANCE FIXTURES.
5. ½" TEMPERED HOT WATER, COLD WATER, TEMPERED HOT WATER RECIRC., AND 2" WASTE SERVING THIRD FLOOR SINK.
6. 2" WASTE FROM FLOOR DRAIN ABOVE. OFFSET IN WALL TO BELOW.
7. 2" WASTE DOWN TO BELOW.
8. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS BELOW.
9. ¾" TEMPERED HOT WATER, COLD WATER, ¾" TEMPERED HOT WATER RECIRC., AND 2" WASTE SERVING THIRD FLOOR SINK.
10. 3" VENT UP.
11. ½" TEMPERED HOT WATER, COLD WATER, AND TEMPERED HOT WATER RECIRC. FROM BELOW.
12. 2) ¾" COLD WATER, ¾" TEMPERED HOT WATER, 1" TEMPERED RECIRC. HOT WATER UP AND DOWN SERVING LAVATORY AND WATER CLOSET ON ALL 3 FLOORS.
13. ¾" COLD WATER UP.
14. 3" PVC RADON SUPPRESSION SYSTEM UP TO 3RD FLOOR.




## 01 2ND FLOOR AREA B - PLUMBING

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

NORTH




KEY PLAN

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EST 1935

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SEAL
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LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA B
PLUMBING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
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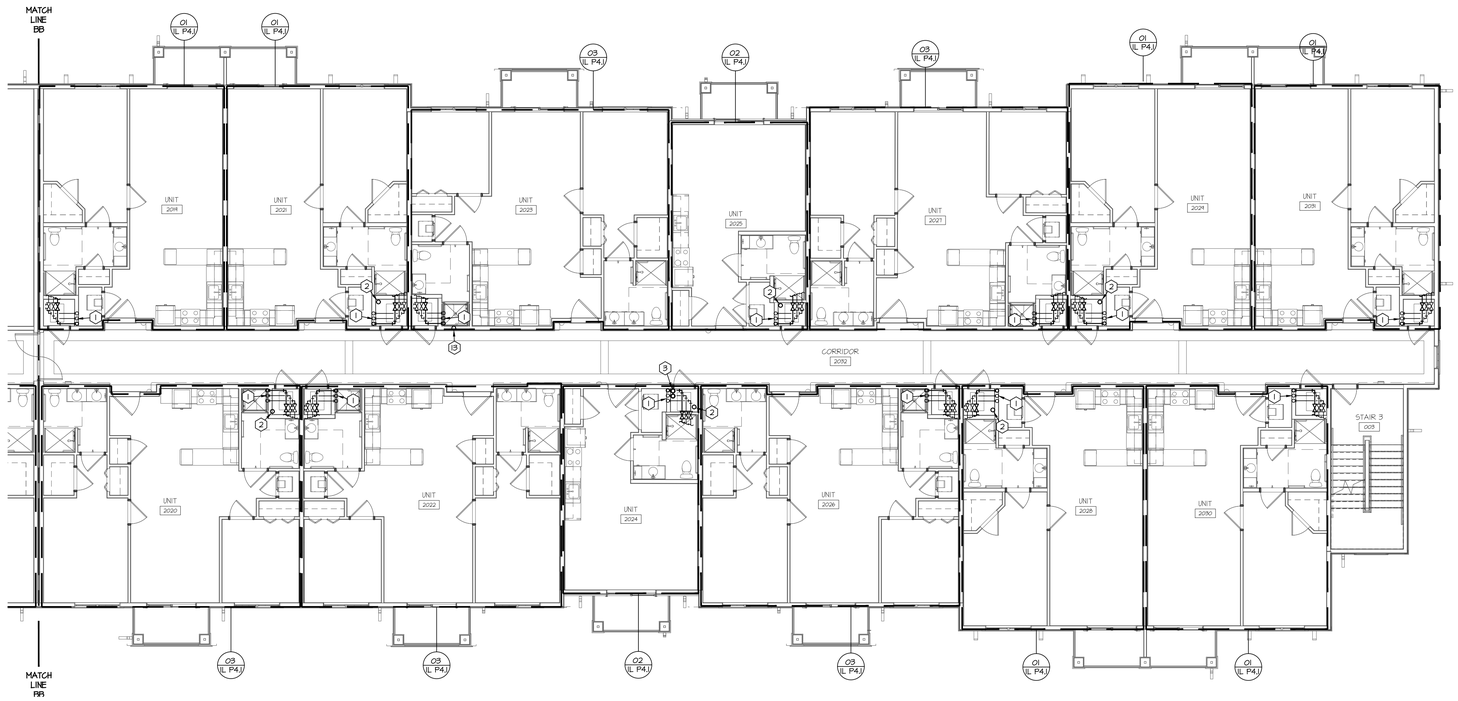
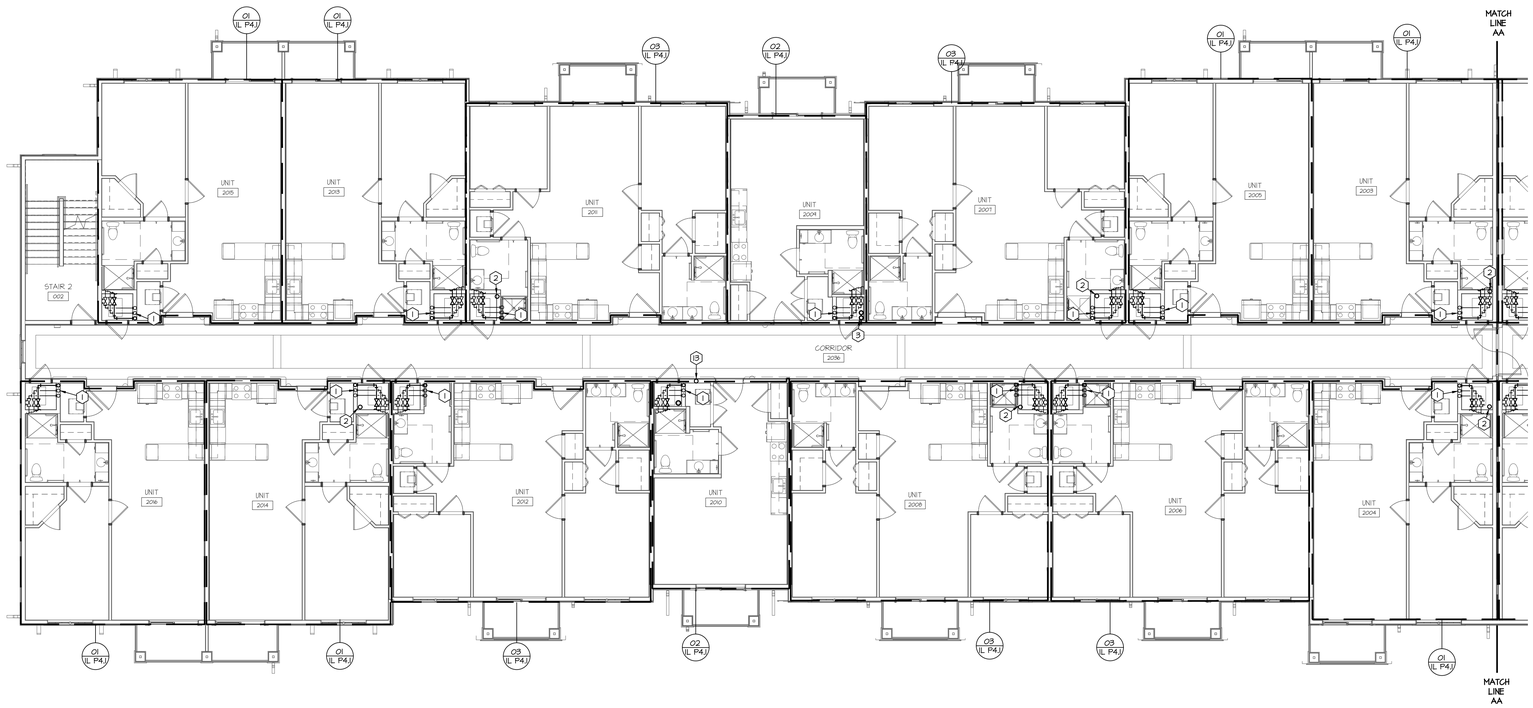



01 2ND FLOOR AREA C - PLUMBING

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

NORTH




02 2ND FLOOR AREA A - PLUMBING

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

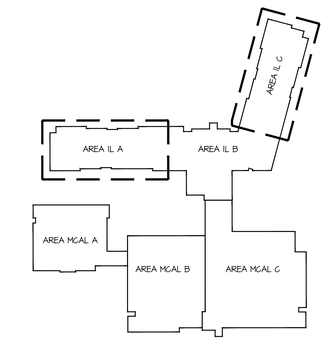
NORTH

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. RISERS FOR DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRCULATION. REFER TO PLUMBING RISER DIAGRAMS AND ENLARGED PARTIAL PLUMBING PLANS FOR CONTINUATION.
2. 3" PVC RISER UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.
3. 4" STORM DRAIN AND 4" OVERFLOW DRAIN DOWN.
4. 1" HOT AND COLD WATER AND ½" RECIRCULATION UP TO THIRD FLOOR SERVING LAUNDRY AND MAINTENANCE FIXTURES.
5. ½" TEMPERED HOT WATER, COLD WATER, TEMPERED HOT WATER RECIRC., AND 2" WASTE SERVING THIRD FLOOR SINK.
6. 2" WASTE FROM FLOOR DRAIN ABOVE. OFFSET IN WALL TO BELOW.
7. 2" WASTE DOWN TO BELOW.
8. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS BELOW.
9. ¾" TEMPERED HOT WATER, COLD WATER, ¾" TEMPERED HOT WATER RECIRC., AND 2" WASTE SERVING THIRD FLOOR SINK.
10. 3" VENT UP.
11. ½" TEMPERED HOT WATER, COLD WATER, AND TEMPERED HOT WATER RECIRC. FROM BELOW.
12. 2) ¾" COLD WATER, ¾" TEMPERED HOT WATER, 1" TEMPERED RECIRC. HOT WATER UP AND DOWN SERVING LAVATORY AND WATER CLOSET ON ALL 3 FLOORS.
13. ¾" COLD WATER UP.
14. 3" PVC RADON SUPPRESSION SYSTEM UP TO 3RD FLOOR.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA A & C
PLUMBING
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3 STATE/CITY COMMENTS - 8/10/2019

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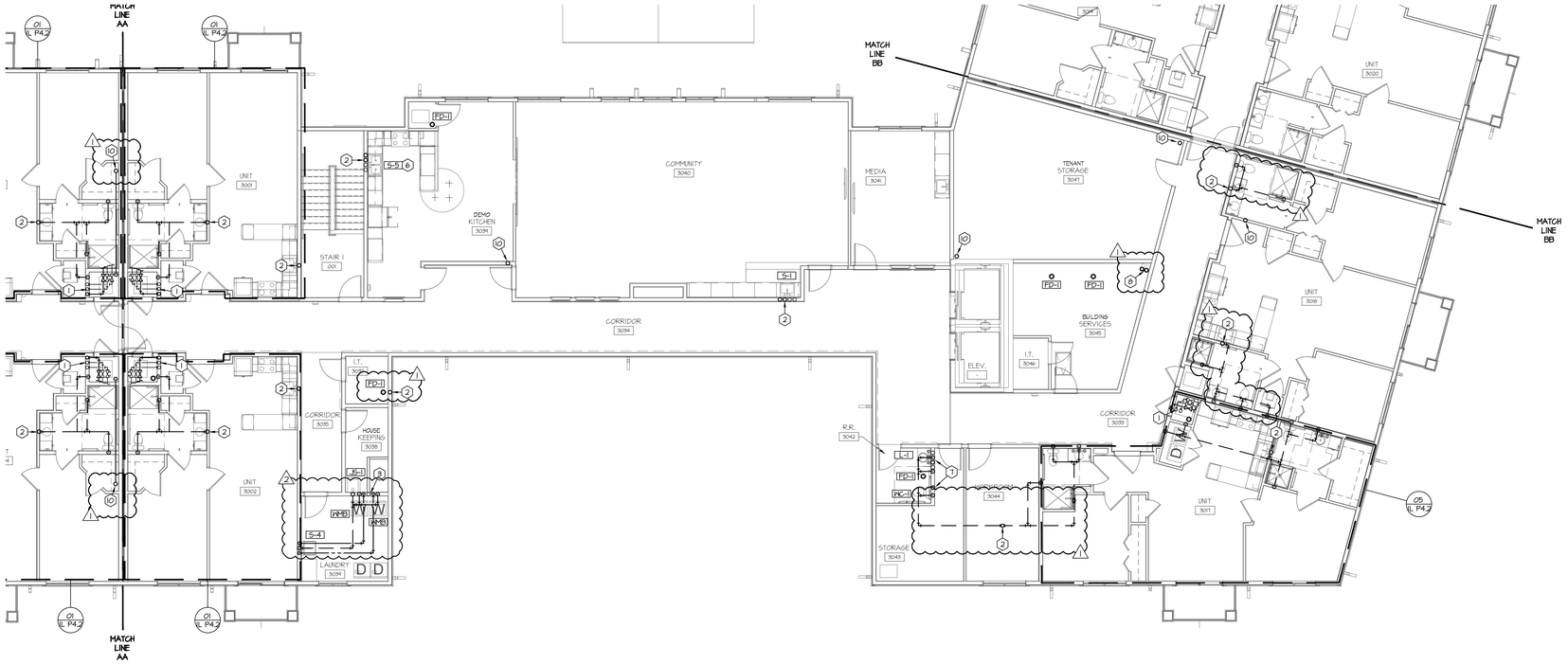



01 3RD FLOOR AREA B - PLUMBING

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

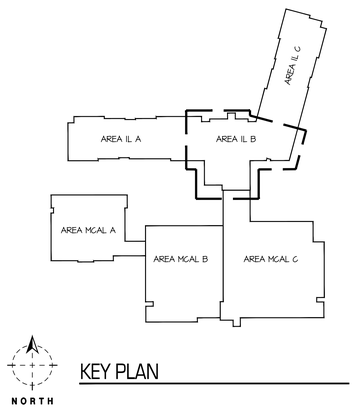
NORTH

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. RISERS FOR DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRCULATION. REFER TO DETAIL #18 SHEET IL P5.2 FOR ADDITIONAL INFORMATION, AND ENLARGED PARTIAL PLUMBING PLANS FOR CONTINUATION.
2. 3" VENT THROUGH ROOF.
3. 1" HOT AND COLD WATER AND ½" RECIRCULATION FROM 2ND FLOOR SERVING LAUNDRY AND MAINTENANCE FIXTURES. SEE SCHEDULE FOR CONNECTION SIZES.
4. 4" STORM DRAIN UP TO ROOF DRAIN RD-1.
5. 4" OVERFLOW STORM DRAIN UP TO OVERFLOW STORM DRAIN OD-1.
6. ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER, AND 2" WASTE DOWN. ROUTE WATER CONCEALED IN WALL TO DISHWASHER AND ICE MACHINE BOX.
7. (2) ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP AND DOWN SERVING LAVATORY AND WATER CLOSET ON ALL 3 FLOORS.
8. 6" SUPPLY AND EXHAUST FOR INSTANTANEOUS WATER HEATERS BELOW.
9. ¾" COLD WATER LINE FROM BELOW UP TO ROOF HYDRANT RH-1.
10. 3" PVC RISER UP THROUGH ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.




KEY PLAN

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8/10/19

THIRD FLOOR
AREA B
PLUMBING
INDEPENDENT LIVING

ISSUE DATE:
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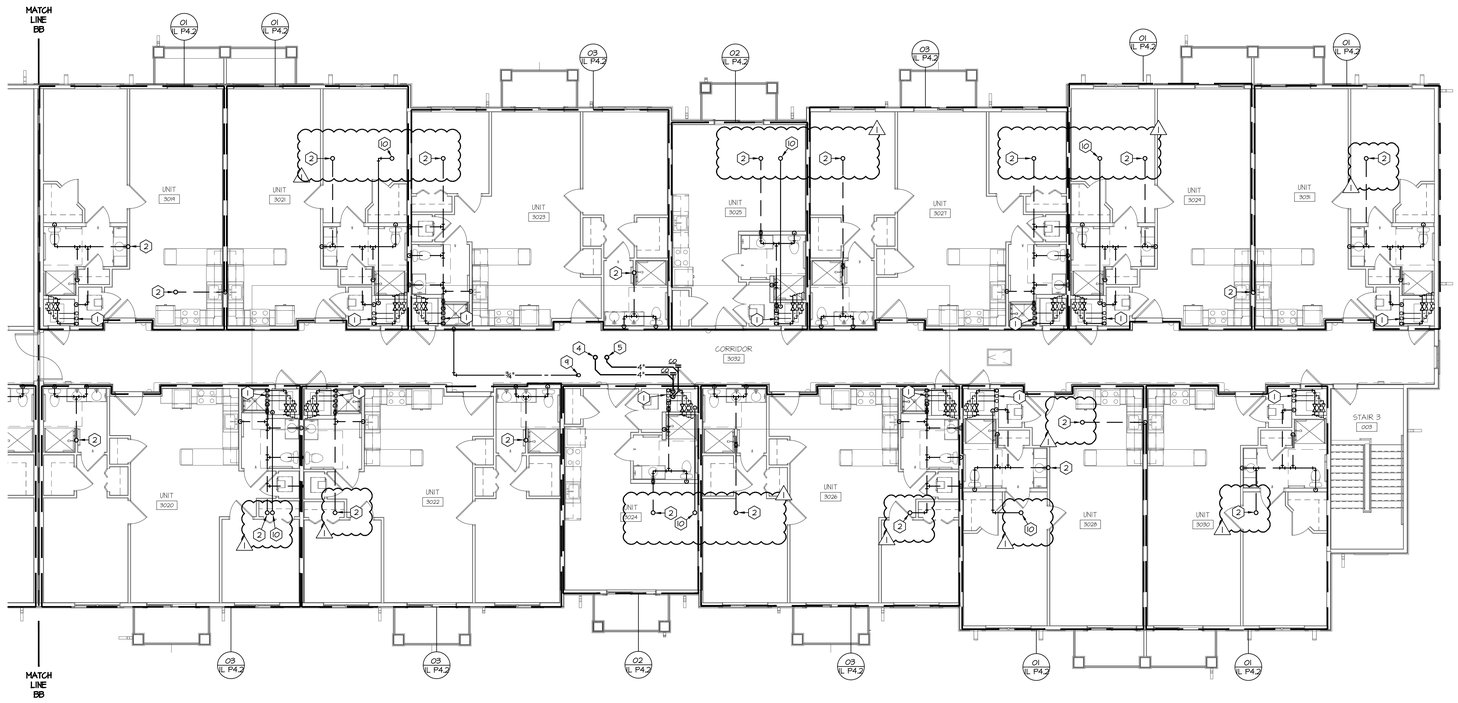
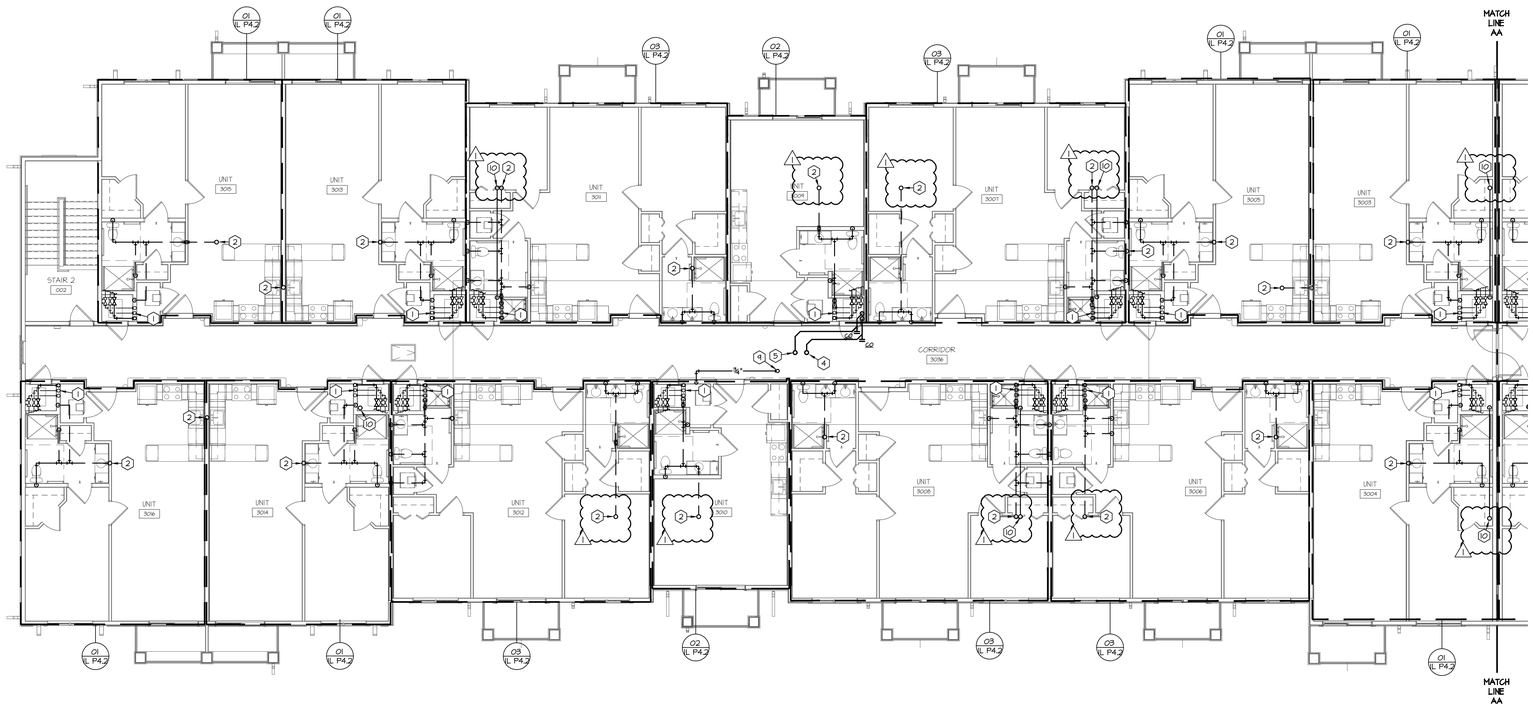



01 3RD FLOOR AREA C - PLUMBING

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

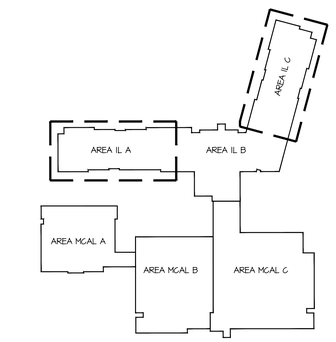
NORTH




02 3RD FLOOR AREA A - PLUMBING

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

1. RISERS FOR DOMESTIC COLD WATER, TEMPERED HOT WATER, AND TEMPERED HOT WATER RECIRCULATION. REFER TO DETAIL #18 SHEET IL P5.2 FOR ADDITIONAL INFORMATION, AND ENLARGED PARTIAL PLUMBING PLANS FOR CONTINUATION.
2. 3" VENT THROUGH ROOF.
3. 1" HOT AND COLD WATER AND ½" RECIRCULATION FROM 2ND FLOOR SERVING LAUNDRY AND MAINTENANCE FIXTURES. SEE SCHEDULE FOR CONNECTION SIZES.
4. 4" STORM DRAIN UP TO ROOF DRAIN RD-1.
5. 4" OVERFLOW STORM DRAIN UP TO OVERFLOW STORM DRAIN OD-1.
6. ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER, AND 2" WASTE DOWN. ROUTE WATER CONCEALED IN WALL TO DISHWASHER AND ICE MACHINE BOX.
7. (2) ¾" COLD WATER, ¾" TEMPERED HOT WATER, ½" TEMPERED RECIRC. HOT WATER UP AND DOWN SERVING LAVATORY AND WATER CLOSET ON ALL 3 FLOORS.
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IL
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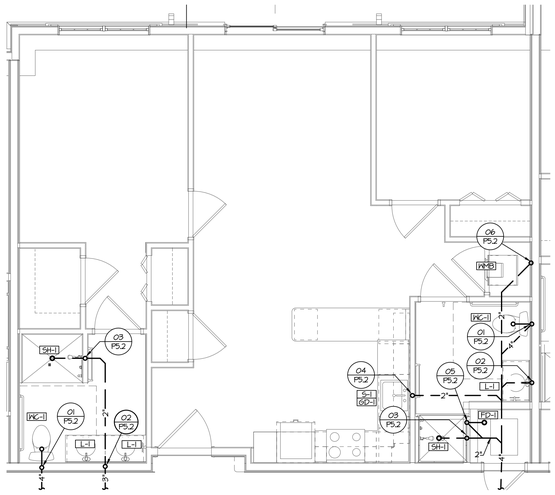
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

## GENERAL NOTES:

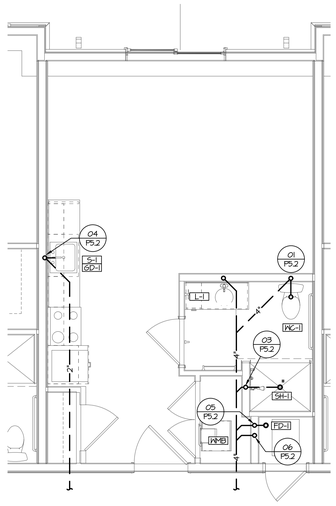
A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

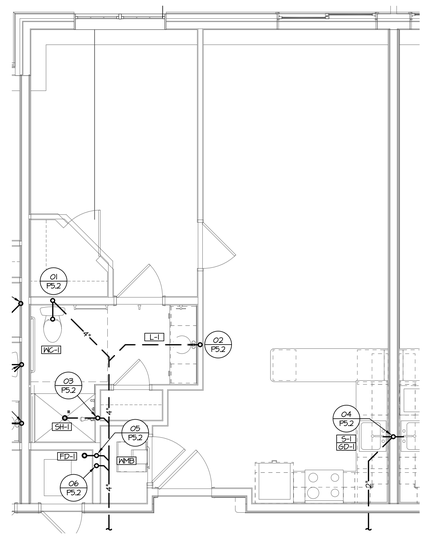
1. NOT USED.



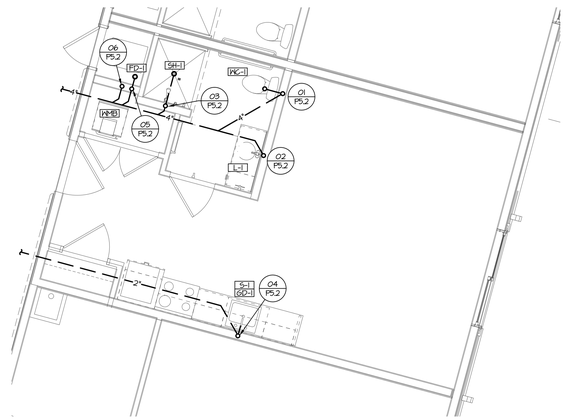

03 ENLARGED PLAN BELOW GRADE PLUMBING - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"




02 ENLARGED PLAN BELOW GRADE PLUMBING - IL STUDIO
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN BELOW GRADE PLUMBING - IL 1 BEDROOM
SCALE: 1/4" = 1'-0"




04 ENLARGED PLAN BELOW GRADE PLUMBING - IL 1 STUDIO
SCALE: 1/4" = 1'-0"

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD SUITE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
BELOW GRADE
PLUMBING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
P4.1

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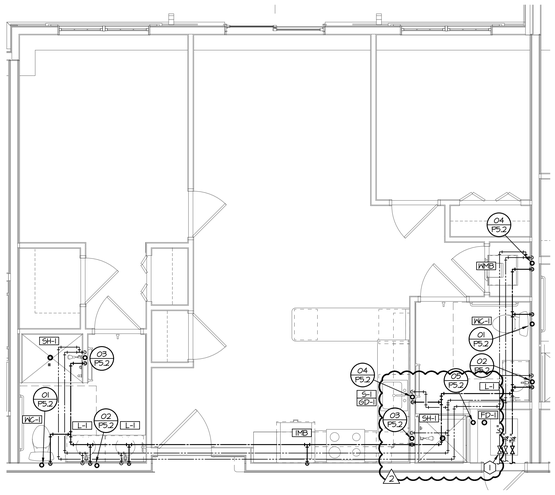
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

## GENERAL NOTES:

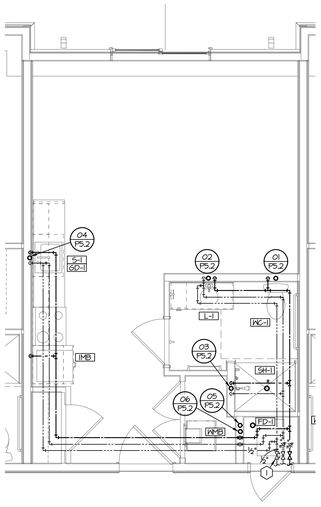
A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

## PLAN NOTES:

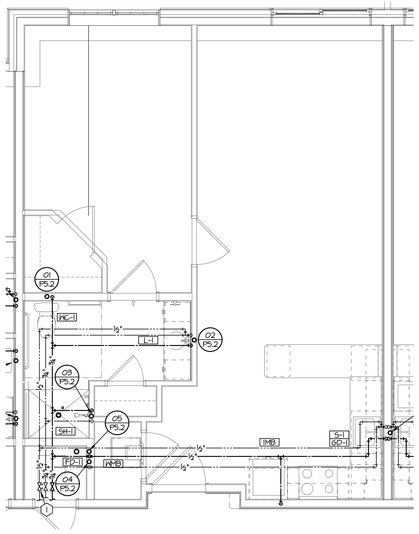
1. BALANCE TO 0.2 GPM TYPICAL ALL UNITS.
2. SEE DETAIL 10 IL P5.1 FOR INDEPENDANT LIVING WATER HEATER CONNECTIONS.
3. GILLISAN 125 GPM WATER SOFTENER. SEE DETAIL 11 IL P5.1 FOR TYPICAL WATER SOFTENER CONNECTIONS.
4. WATER SOFTENER BRINE TANK.
5. PVC SUPPLY AND EXHAUST AIR PIPING FOR INSTANTANEOUS WATER HEATERS. SEE DETAIL 10 IL P5.1 FOR INDIVIDUAL SIZING.



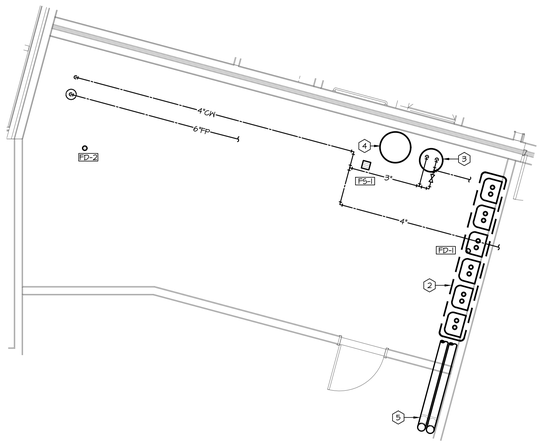
03 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



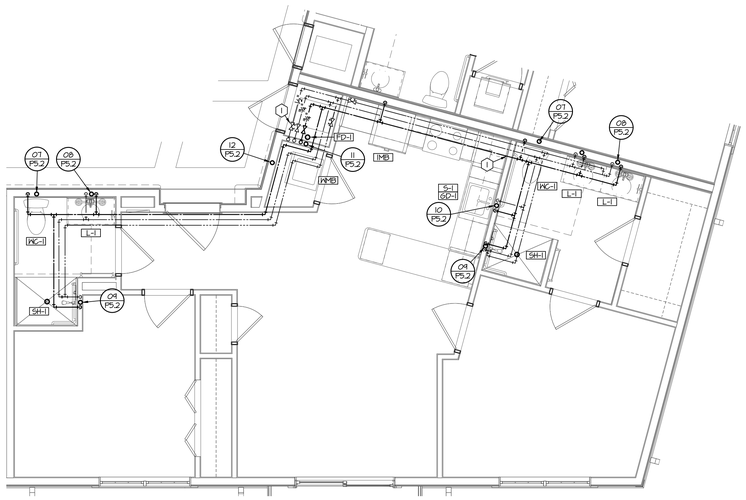
02 ENLARGED PLAN ABOVE GRADE PLUMBING - IL STUDIO
SCALE: 1/4" = 1'-0"



01 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 1 BEDROOM
SCALE: 1/4" = 1'-0"



06 ENLARGED PLAN ABOVE GRADE PLUMBING - IL BUILDING SERVICES
SCALE: 1/4" = 1'-0"



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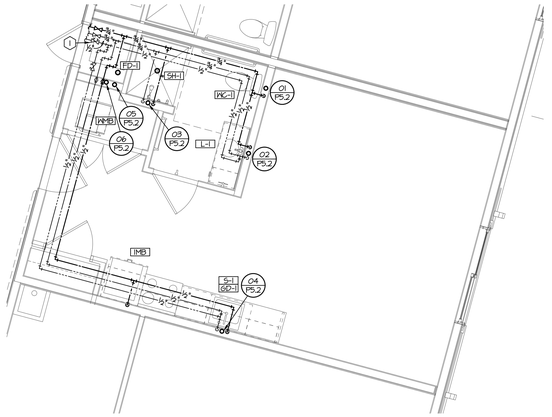
SCALE: 1/4" = 1'-0"



04 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 1 STUDIO
SCALE: 1/4" = 1'-0"

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STARK WILSON DUNCAN ARCHITECTS INC

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

ENLARGED PLANS
ABOVE GRADE
PLUMBING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

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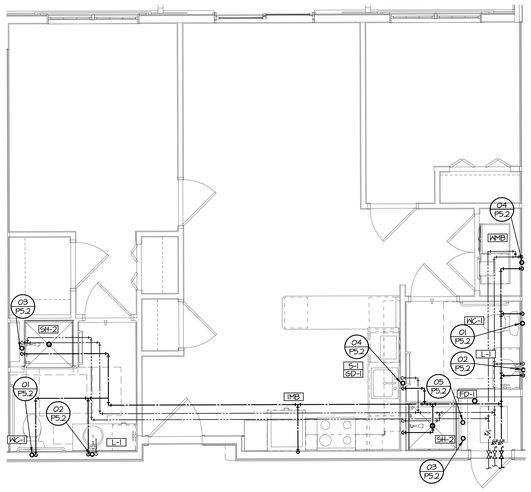
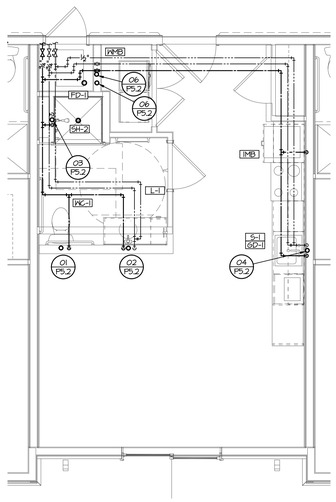


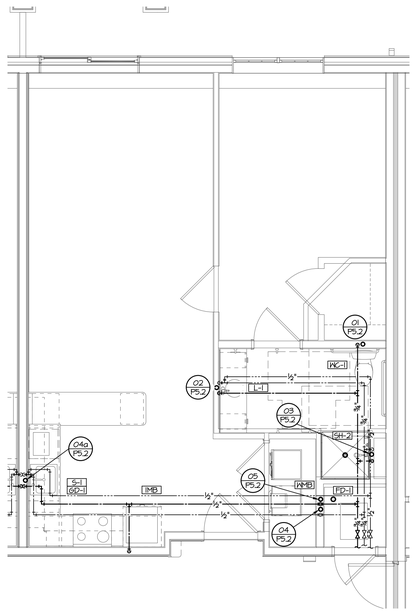

## 03 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 2 BEDROOM ADA

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




## 02 ENLARGED PLAN ABOVE GRADE PLUMBING - IL STUDIO ADA

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




## 01 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 1 BEDROOM ADA

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

### GENERAL NOTES:

A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

### PLAN NOTES:

1. BALANCE TO 0.2 GPM TYPICAL ALL UNITS.
2. SEE DETAIL 10 IL P5.1 FOR INDEPENDANT LIVING WATER HEATER CONNECTIONS.
3. CULLIGAN I25 GPM WATER SOFTENER. SEE DETAIL 11 IL P5.1 FOR TYPICAL WATER SOFTENER CONNECTIONS.
4. WATER SOFTENER BRINE TANK.
5. PVC SUPPLY AND EXHAUST AIR PIPING FOR INSTANTANEOUS WATER HEATERS. SEE DETAIL 10 IL P5.1 FOR INDIVIDUAL SIZING.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

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STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

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8/10/19

ENLARGED PLANS
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INDEPENDENT LIVING

ISSUE DATE:
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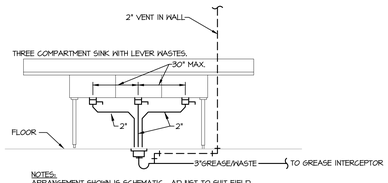
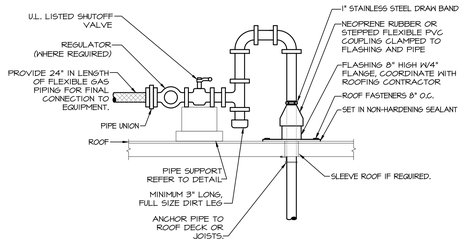
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19



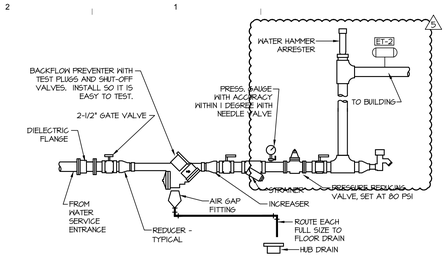

NOTES:
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. INSTALLATION FOR NON-FOOD PREP SINKS SHALL CONFORM TO UPC 1001.2.

## 09 THREE COMPARTMENT SINK PIPING DETAILS
Scale: Not to Scale



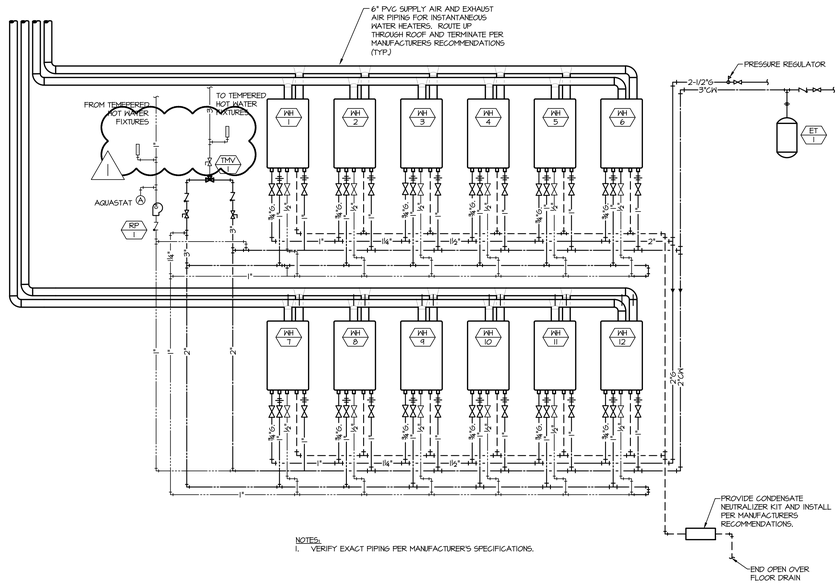

NOTES:
REFER TO PLAN FOR PIPE SIZE(S) AND LOCATION(S). USE WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE. LOCATE PENETRATION MINIMUM 18" FROM ADJACENT WALLS.

## 05 GAS PIPING THROUGH ROOF DETAIL
Scale: Not to Scale



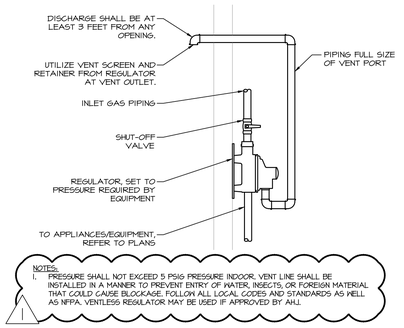

PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER OF TYPE AND MANUFACTURER AS APPROVED BY LOCAL AUTHORITIES. INSTALL BFP IN HORIZONTAL UPRIGHT POSITION, UNLESS NOTED OTHERWISE. STRAINER AND REDUCING VALVES MAY BE INSTALLED IN VERTICAL PIPE IF SPACE LIMITATIONS REQUIRE. CLEAN STRAINER BEFORE TURNING BUILDING OVER TO OWNER. PROVIDE ANY REQUIRED CERTIFICATION TEST OF BFP TO LOCAL AUTHORITIES. ALL ITEMS SHALL BE APPROVED FOR DOMESTIC WATER SERVICE. ARRANGEMENT SHOWN IS SCHEMATIC. MODIFY TO SUIT CONDITIONS. INSTALL BFP SO IT CAN BE EASILY SERVICED AND TESTED. SUPPORT ASSEMBLY FROM WALL BRACKET OR FLOOR STAND.

## 01 DOMESTIC WATER SERVICE ENTRY
SCALE:NONE



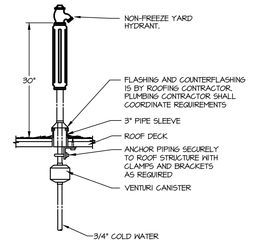

NOTES:
1. VERIFY EXACT PIPING PER MANUFACTURER'S SPECIFICATIONS.

## 10 INSTANTANEOUS WATER HEATER DETAIL
Scale: Not to Scale




NOTES:
1. PRESSURE SHALL NOT EXCEED 5 PSIG PRESSURE INDOOR. VENT LINE SHALL BE INSTALLED IN A MANNER TO PREVENT ENTRY OF WATER, INSECTS, OR FOREIGN MATERIAL THAT COULD CAUSE BLOCKAGE. FOLLOW ALL LOCAL CODES AND STANDARDS AS WELL AS NFPA. VENTLESS REGULATOR MAY BE USED IF APPROVED BY AHJ.

## 06 VENTING OF INDOOR GAS REGULATOR
Scale: Not to Scale

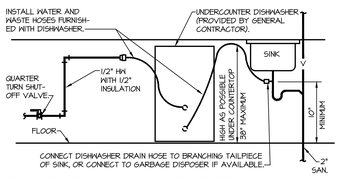



## 02 ROOF HYDRANT
SCALE:NONE



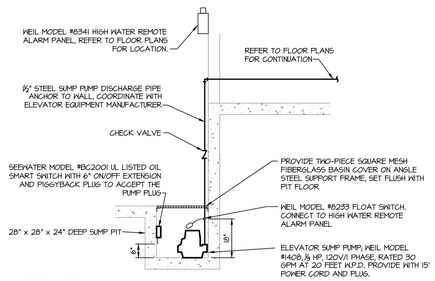

PIPE SHALL HAVE LONG RADIUS TURNS WITHOUT KINKS. THERE SHALL BE NO CONTACT OF COPPER TUBE WITH OTHER PIPE, CONDUIT, OR REINFORCING STEEL. DO NOT USE FLARED OR COMPRESSION JOINTS BELOW SLAB. USE WROUGHT COPPER FITTINGS WITH BRAZED JOINTS ONLY WHEN JOINTS ARE UNAVOIDABLE.

## 03 WATER PIPE UNDER SLAB
SCALE:NONE




ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST IF/AS REQUIRED FOR SITE. PROVIDE CONNECTIONS AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

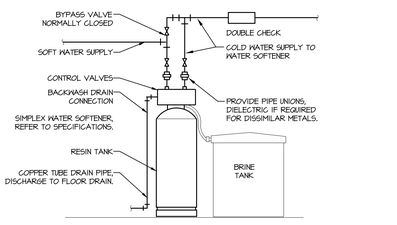
## 07 RESIDENTIAL DISHWASHER CONNECTION
SCALE:NONE




GENERAL NOTES:
1. ROUTE ALL CORDS IN AN ORDERLY FASHION AND SECURE TO WALL OR PIPING. CORDS SHALL BE INSTALLED SO THAT THEY DONT INTERFERE WITH THE FLOAT SWITCH OPERATION OR PUMP REMOVAL.
2. COORDINATE THE ALARM PANEL RECEPTACLE AND SUMP PUMP RECEPTACLE LOCATIONS WITH ELECTRICAL. PROVIDE FACTORY INSTALLED CORD AND PLUGS WITH ALL EQUIPMENT THAT IS SUFFICIENT LENGTH TO REACH RECEPTACLES AND ALARM PANEL. FIELD SPLICING OF CORDS IS NOT ACCEPTABLE. NEATLY COIL AND SECURE ANY EXTRA LENGTH OF CORD TO WALL.

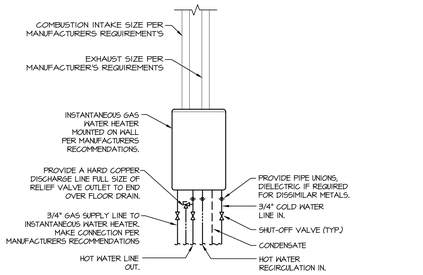
SEQUENCE OF OPERATION:
1. THE OIL SMART SWITCH SHALL OPERATE THE PUMP AUTOMATICALLY BY TWO INDEPENDENT SENSING POINTS, ONE FOR PUMP ON AND ONE FOR PUMP OFF. THE OIL SMART SWITCH SHALL SHALL DIFFERENTIATE BETWEEN OIL AND WATER. IF OIL IS SENSED BY THE PUMP ON PROBE THE PUMP WILL NOT OPERATE UNTIL THE PROBE IS AGAIN COVERED BY WATER.
2. A SEPARATE HIGH WATER ALARM SWITCH SHALL BE CONNECTED TO A HIGH WATER ALARM PANEL. IF THE WATER LEVEL REACHES THIS SWITCH AN AUDIBLE AND VISUAL ALARM SHALL BE INITIATED AT THE ALARM PANEL.

## 04 ELEVATOR SUMP PUMP
SCALE:NONE




NOTES:
1. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO FLOOR PLANS FOR PIPE SIZES.

## 11 Simplex Water Softener
Scale: Not to Scale




NOTES:
1. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO FLOOR PLANS FOR PIPE SIZES. SET HEATER THERMOSTAT AT 120F. PROVIDE CLEARANCES RECOMMENDED BY MANUFACTURER.

## 08 INSTANTANEOUS GAS HEATER DETAIL
Scale: NOT TO SCALE

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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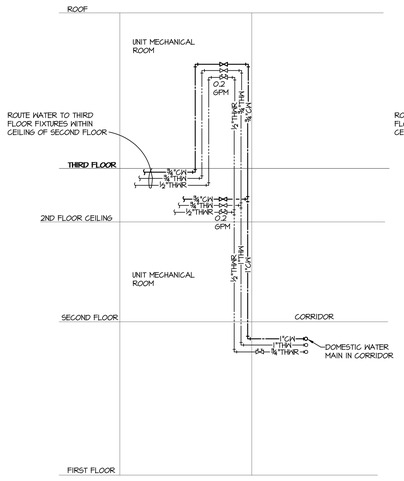
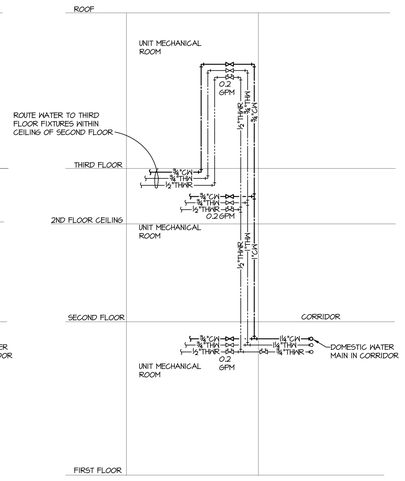


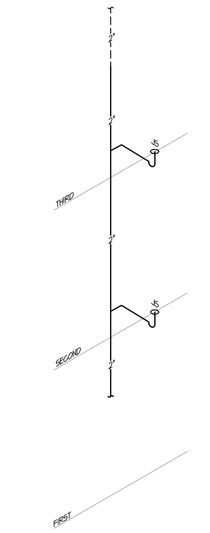

15 DOMESTIC WATER RISER DIAGRAM DWR-02
SCALE: NONE

NOTE: PLUMBING CONTRACTOR SHALL INSTALL 6" SPACER, PROVIDED BY WATER SUB-METERING COMPANY, AT AN ACCESSIBLE LOCATION DOWNSTREAM OF MAIN DOMESTIC WATER SHUT-OFF IN EACH DWELLING UNIT. SUB-METER AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY OTHERS.

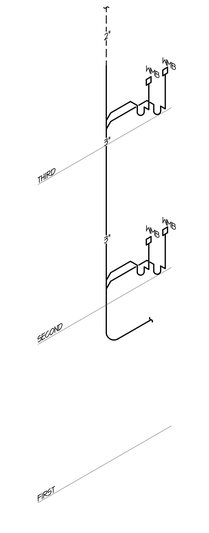



14 DOMESTIC WATER RISER DIAGRAM DWR-01
SCALE: NONE

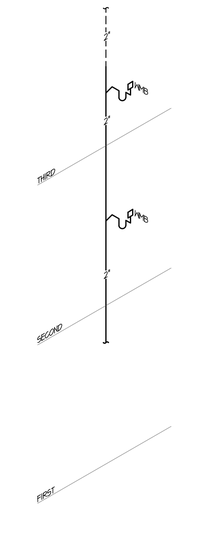
NOTE: PLUMBING CONTRACTOR SHALL INSTALL 6" SPACER, PROVIDED BY WATER SUB-METERING COMPANY, AT AN ACCESSIBLE LOCATION DOWNSTREAM OF MAIN DOMESTIC WATER SHUT-OFF IN EACH DWELLING UNIT. SUB-METER AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY OTHERS.



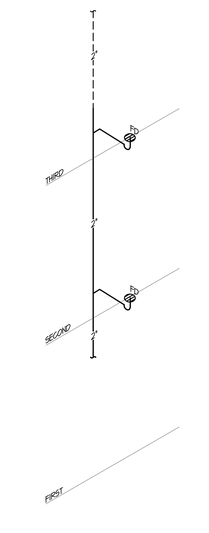

16 DWV Riser #16
SCALE:NONE




13 DWV Riser #13
SCALE:NONE




12 DWV Riser #12
SCALE:NONE

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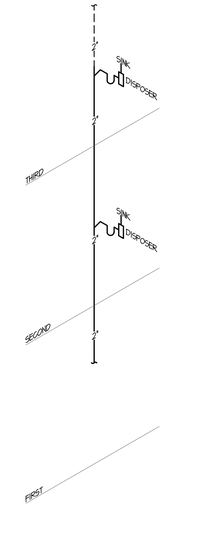


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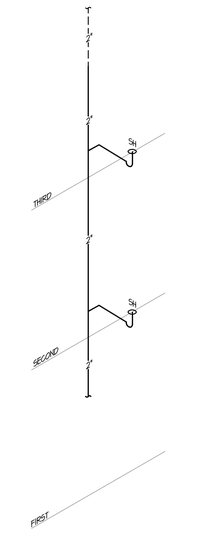


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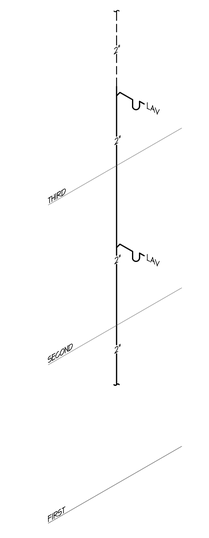


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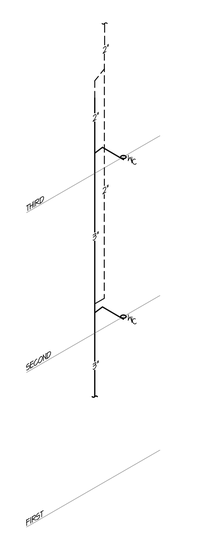


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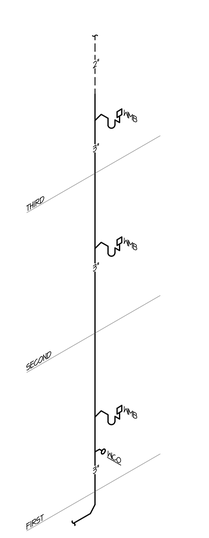


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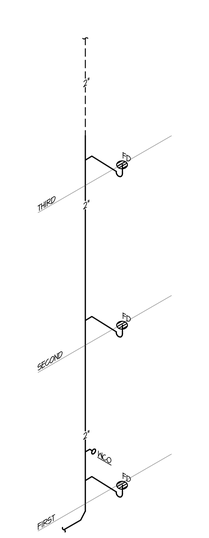


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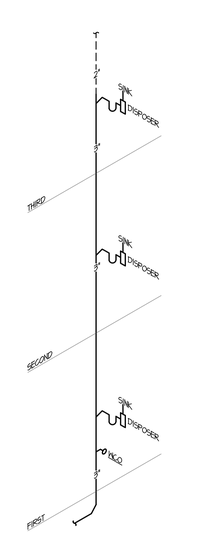


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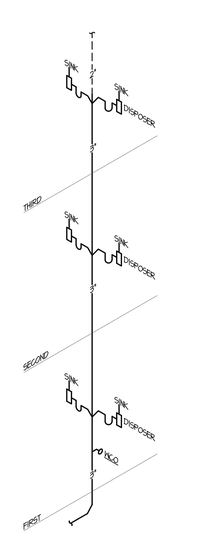


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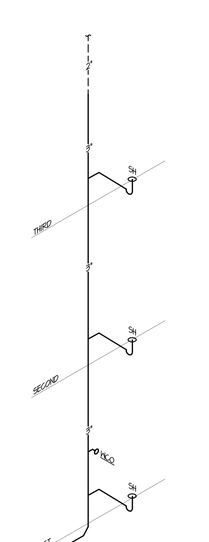


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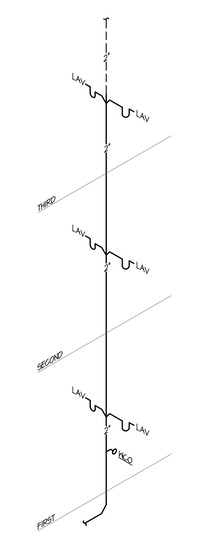


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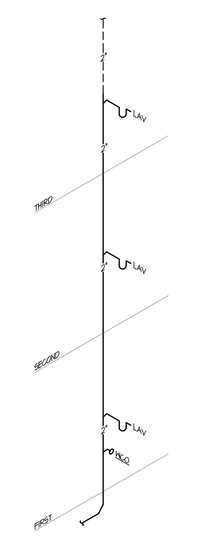


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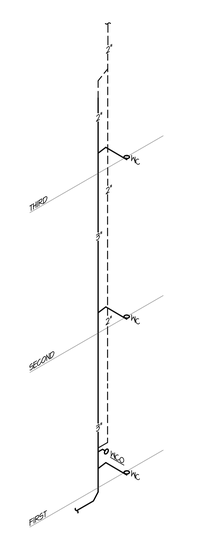


01 DWV Riser #01
SCALE:NONE

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H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

INDEPENDENT LIVING
PLUMBING DETAILS

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
P5.2

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## BISTRO AND BEVERAGES SCHEDULE - PLUMBING - INDEPENDENT LIVING

| MARK | EQUIPMENT | CONNECTIONS CW | HW | W | GAS | FLOOR DRAIN | STUB ABV.FLR. | REMARKS | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 150 | DROP-IN DUMPING SINK | 1/2" | 1/2" | | | INDIRECT | | HUB DRAIN. INDIRECT WASTE FROM ITEM 156 INTO SAME HUB DRAIN. | |
| 156 | ICE AND WATER DISPENSER | 1/2" | | | | | | HUB DRAIN, BTC THROUGH WATER FILTER | |
| 154 | DROP-IN HAND SINK | 1/2" | 1/2" | 1-1/2" | | DIRECT | | BTC AT FAUCET | |
| 162 | DIPPERWELL | 1/2" | | | | INDIRECT | | HUB DRAIN | |
| 165 | COFFEE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 251 | SODA DISPENSER | 1/2" | | | | INDIRECT | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 252 | TEA DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 253 | COFFEE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 254 | JUICE DISPENSER | 1/2" | | | | | | EQUIPMENT PROVIDED BY OTHERS, VERIFY ROUGH-IN SIZES AND LOCATIONS WITH OWNER/VENDOR | |
| 255 | ICE AND WATER DISPENSER | 1/2" | | | | | | HUB DRAIN, BTC THROUGH WATER FILTER | |
| 256 | DROP-IN DUMP SINK | 1/2" | 1/2" | | | INDIRECT | | HUB DRAIN. INDIRECT WASTE FROM ITEM 258 INTO SAME HUB DRAIN. | |
| 258 | DIPPERWELL | 1/2" | | | | | | BTC AT FAUCET | |
| 259 | HAND SINK | 1/2" | 1/2" | 1-1/2" | | DIRECT | | BTC AT FAUCET | |

**NOTES:**
1. PLUMBING CONTRACTOR TO PROVIDE INDIRECT DRAIN FROM FIXTURE TO FLOOR DRAIN.
2. PLUMBING CONTRACTOR TO PLUMB COLD WATER THROUGH FILTER.
3. BEVERAGE DISPENSER WATER CONNECTION SHALL BE PROTECTED BY A BACKFLOW PREVENTER CONFORMING TO ASSE 1022.

**GENERAL NOTES: (APPLIES TO ALL EQUIPMENT ABOVE)**
A. VERIFY EXACT INSTALLATION REQUIREMENTS OF ALL EQUIPMENT WITH KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

## WATER HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | CAPACITY (GAL) | INPUT (MBH) | OUTPUT (MBH) | RECOVERY (GPM) @ 90F | V/PH | NOTES |
|---|---|---|---|---|---|---|---|---|
| WH-1 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-2 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-3 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-4 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-5 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-6 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-7 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-8 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-9 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-10 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-11 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |
| WH-12 | NAVIEN | NPE-240A | TANKLESS | 199.0 | 181.0 | 4.5 | 120/1 | 1, 2, 3, 4, 5 |

**GENERAL NOTES (APPLIES TO ALL ABOVE):**
1. PROVIDE DE-SCALER AND FILTER AS RECOMMENDED BY MANUFACTURER.
2. PROVIDE PRESSURE AND TEMPERATURE RELIEF VALVE.
3. PROVIDE PVC INTAKE AND EXHAUST VENT PIPING UP THROUGH ROOF AND TERMINATE PER MANUFACTURERS RECOMMENDATIONS.
4. PROVIDE ISOLATION VALVE KIT WITH FULL PORT DRAIN VALVE FOR MAINTENANCE.
5. PROVIDE INTERNAL RECIRC. PUMP.

## GAS SERVICE CALCULATIONS-IL & MCAL BLDGS

| FIXTURE TYPE | # OF UNITS | INPUT MBH | TOTAL |
|---|---|---|---|
| IL WH-01-12 | 12 | 200 | 2400 |
| RTU-1L1A | 1 | 150 | 150 |
| RTU-1L1A | 1 | 120 | 120 |
| DHU-1L | 1 | 100 | 100 |
| POOL HEATERS | 2 | 200 | 400 |
| | | | |
| AL WH-01-10 | 10 | 200 | 2000 |
| AL KITCH WH-01-03 | 3 | 200 | 600 |
| MC WH-01-04 | 4 | 200 | 800 |
| MC KITCH/LAUNDRY WH | 1 | 200 | 200 |
| RTU-AL1A | 1 | 250 | 250 |
| RTU-AL1B | 1 | 120 | 120 |
| AHU-MC1A | 1 | 60 | 60 |
| AHU-MC1B | 1 | 40 | 40 |
| AHU-MC1C | 1 | 40 | 40 |
| AHU-MC1D | 1 | 40 | 40 |
| AHU-MC1E | 1 | 40 | 40 |
| AHU-AL1A | 1 | 40 | 40 |
| AHU-AL1B | 1 | 120 | 120 |
| AHU-AL1C | 1 | 60 | 60 |
| AHU-AL1D | 1 | 120 | 120 |
| AHU-AL1E | 1 | 120 | 120 |
| AL KITCHEN-HYDRO OVEN | 1 | 60 | 60 |
| AL KITCHEN-CONV OVEN | 1 | 50 | 50 |
| AL KITCHEN-FRYER | 1 | 90 | 90 |
| AL KITCHEN-FRYER | 1 | 90 | 90 |
| AL KITCHEN RANGE | 1 | 200 | 200 |
| AL KITCHEN GRIDDLE | 1 | 90 | 90 |
| AL KITCHEN CHARBROILER | 1 | 120 | 120 |
| AL MAKEUP AIR UNIT | 1 | 216 | 216 |
| COMMERCIAL DRYER | 1 | 280 | 280 |
| | | | |
| | | TOTAL | 9016 |
| | | Pressure Drop | 1 PSI |
| | | MAX. LENGTH | 500 FEET |
| | | SERVICE SIZE | 3" |

## PLUMBING FIXTURE SCHEDULE

| MARK | DESCRIPTION | MANUFACTURER | MODEL | TRIM | CONNECTIONS CW | HW | W | V | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| WC-1 | ADA FLOOR MOUNTED FLUSH TANK WATER CLOSET-1.28 GPF | AMERICAN STANDARD<br>CRANE<br>TOTO | CADET PRO 2154A.104 | ELONGATED<br>BEMIS 1200SLONT<br>SOFT-CLOSE ANTIMICROBIAL SEAT | 1/2" | -- | 4" | 2" | 5 |
| L-1 | UNDERMOUNT LAVATORY | PROFLO | PFT141UANH | FAUCET: F-1 | -- | -- | 1-1/2" | 1-1/2" | 2 |
| ~~L-2~~ | ~~WALL HUNG~~ LAVATORY | MANSFIELD | 2040 | ~~FAUCET: F-1~~<br>21X22 BASIN W/ SHROUD<br>CONCEALED ARM CARRIER | -- | -- | 1-1/2" | 1-1/2" | 12 |
| S-1 | SINGLE BOWL 18 GAUGE SELF RIM SINK | ELKAY | LR-2219 | FAUCET: F-2 | -- | -- | 2" | 1-1/2" | 2,5 |
| S-2 | SALON SINK | JEFFCO | 8400 | FAUCET AND SHAMPOO HOSE ARE FURNISHED | -- | -- | 2" | 1-1/2" | 2 |
| S-3 | ADA SINGLE BOWL 18 GAUGE SELF RIM SINK | ELKAY | LRAD-2219 | FAUCET: F-2 | -- | -- | 2" | 1-1/2" | 2,5 |
| S-4 | FLOOR MOUNTED TUB TYPE SERVICE SINK | FIAT | FL-1 | FAUCET F-4<br>INTEGRAL DRAIN WITH STOP | -- | -- | 2" | 1-1/2" | |
| S-5 | ADA DOUBLE BOWL 18 GAUGE SELF RIM SINK | ELKAY | LR-2519 | FAUCET: F-2 | -- | -- | 2" | 1-1/2" | 2,5 |
| JS-1 | MOLDED STONE JANITOR'S SINK | FIAT | MSB-2424 | FAUCET F-3<br>5/5 BUMPERGUARDS<br>5/5 WALL GUARDS | -- | -- | 3" | 1-1/2" | |
| F-1 | ADA SINGLE LEVER LAVATORY FAUCET | BAYSTONE | CA2712 | 1.5 GPM, BRUSHED NICKEL FINISH<br>POP-UP DRAIN, 1-HOLE | 1/2" | 1/2" | -- | -- | 5 |
| F-2 | SINGLE LEVER KITCHEN FAUCET | BAYSTONE | 4251R | 1.5 GPM, BRUSHED NICKEL FINISH<br>CUP STRAINER DRAIN<br>1-HOLE | 1/2" | 1/2" | -- | -- | |
| F-3 | JANITOR'S SINK FAUCET | AMERICAN STANDARD<br>FIAT<br>DELTA | 8344.112<br>830-AA<br>2BTR-AC | VACUUM BREAKER, WALL BRACE,<br>PAIL HOOK, 30" HOSE WITH WALL<br>GRIP, MOP HANGER, CHECK STOP OPTION | 3/4" | 3/4" | -- | -- | |
| F-4 | TUB TYPE SINK FAUCET | FIAT | A-1 | DECK FAUCET<br>4" CENTERS | 3/4" | 3/4" | -- | -- | |
| SH-1 | 48" SHOWER UNIT | BEST BATH | CS4836BBST | WHITE GELCOAT FLAT PANEL<br>GRAB BARS, 24" SLIDE, 2"<br>COLLAPSIBLE DAM, SHOWER VALVE: SV-1 | -- | -- | 1-1/2" | 2" | 5 |
| ~~SH-2~~ | ~~36"~~ SHOWER UNIT | AQUATIC | 1363BFSD | WHITE GELCOAT FLAT PANEL<br>GRAB BARS, SOAP DISH, 24" SLIDE<br>2" COLLAPSIBLE DAM, SHOWER VALVE: SV-1 | -- | -- | 1-1/2" | 2" | 5 |
| SV-1 | ADA SINGLE LEVER PRESSURE BALANCE SHOWER FAUCET | MOEN | 62370 | BRUSHED NICKEL<br>T2801 VALVE TRIM, A725 DROP ELL,<br>3868 HANDSHOWER W/ SLIDE | 1/2" | 1/2" | -- | -- | 5 |
| HB-1 | NON-FREEZE WALL HYDRANT | WOODFORD<br>WADE<br>SMITH | MODEL 65<br>8600<br>5609QT | VACUUM BREAKER<br>LOOSE CONTROL KEY<br>WALL CLAMP | 1/2" | -- | -- | -- | 6 |
| HB-2 | ROUGH BRASS HOSE BIBB | WOODFORD<br>CHICAGO | MODEL 24<br>998 | VACUUM BREAKER<br>DRAIN PLUG | 1/2" | -- | -- | -- | |
| RH-1 | FREEZELESS ROOF HYDRANT NO DRAIN | FREEZE FLOW | 2131R | | 1" | -- | 1/8" | -- | |
| FD-1 | 7" ROUND FLOOR DRAIN | WADE<br>ZURN<br>SMITH | 1100STD<br>Z-415<br>2005 | NICKEL BRONZE STRAINER<br>TRAP GUARD, DEEP SEAL TRAP | -- | -- | -- | -- | 4,7 |
| FS-1 | 12" SQUARE FLOOR DRAIN | WADE<br>ZURN<br>SMITH | W-2310-2T<br>Z-546-Y-6T<br>2410 | CAST IRON 12" X 12" FLOOR DRAIN<br>WITH DUCTILE IRON GRATE<br>ALUMINUM SEDIMENT BUCKET | | | | | 4,7 |
| FS-2 | 8" SQUARE FLOOR SINK | WADE<br>ZURN<br>SMITH | 9110<br>Z-1910<br>3100 | 6-1/4" DEEP BODY, ENAMELED<br>INTERIOR, SEDIMENT BUCKET,<br>NICKEL BRONZE RIM AND 3/4 GRATE | -- | -- | -- | -- | 4,7 |
| FS-3 | 12" SQUARE FLOOR SINK | WADE<br>ZURN<br>SMITH | Z-1901 | 6-1/4" DEEP BODY, ENAMELED<br>INTERIOR, SEDIMENT BUCKET,<br>NICKEL BRONZE RIM AND 3/4 GRATE | -- | -- | -- | -- | 4,7 |
| FS-4 | 12" SQUARE FLOOR SINK W/ 1/2 GRATE | ZURN | Z-1150-2 | 12X12X6 DEEP, STAINLESS STEEL<br>1/2 GRATE | -- | -- | -- | -- | 4,7 |
| TMV-1 | THERMOSTATIC MIXING VALVE | POWERS<br>ARMSTRONG<br>LEONARD | LF1520FOGLP<br>DMC 50 FLEX | 81-158F THERMOMETER<br>CONTROL LOCKING DEVICE<br>10 GPM MIN, 125 GPM MAX. FLOW | SEE PLAN | | -- | -- | 4 |
| ET-1 | EXPANSION TANK | AMTROL<br>TACO | THERM-X-TROL-ST-12 | WATER HEATER | -- | 3/4" | -- | -- | |
| ET-2 | EXPANSION TANK | AMTROL<br>TACO | THERM-X-TROL-ST-25 | WATER SERVICE | -- | 3/4" | -- | -- | |
| DF-1 | WALL HUNG BI-LEVEL WATER COOLER | ELKAY<br>HALSEY-TAYLOR<br>HAWS | EZTL8C<br>HACBFBL-Q<br>HWACPBL | -- | 1/2" | -- | 2" | 1-1/2" | 3,5 |
| RP-1 | RECIRCULATION PUMP | B&G<br>TACO | PL-36<br>2420 | 0.16 HP, 120V<br>STRAP-ON AQUASTAT<br>13 GPM, 40' HEAD | -- | -- | -- | -- | 4 |
| GD-1 | GARBAGE DISPOSAL | INSINKERATOR | BADGER 5 | 1/2 HP, 120V | -- | -- | -- | -- | |
| WMB | WASHING MACHINE CONNECTION BOX | GUY GRAY | B200<br>FR12DPCP FIRE | WASHING MACHINE<br>CONNECTION BOX | 1/2" | 1/2" | 2" | 1-1/2" | 8 |
| IMB | ICE MAKER CONNECTION BOX | GUY GRAY | BIMB75<br>FRIB12ADBS FIRE | GALVANIZED<br>STEEL BOX | 1/2" | -- | -- | -- | 8 |
| RD-1 | CAST IRON ROOF DRAIN WITH CAST IRON DOME | WADE<br>ZURN<br>SMITH | W-3000<br>ZC-100<br>1010-CID | ROOF DRAIN WITH FLANGE,<br>FLASHING RING, GRAVEL STOP<br>AND CAST IRON DOME | -- | -- | -- | -- | |
| OD-1 | CAST IRON OVERFLOW DRAIN WITH CAST IRON DOME | WADE<br>ZURN<br>SMITH | W-3000-SD<br>ZC-100-HZ<br>1070-CID | ROOF DRAIN WITH FLANGE,<br>FLASHING RING, GRAVEL STOP<br>AND CAST IRON DOME, 2" DAM | -- | -- | -- | -- | |
| SP-1 | ELEVATOR SUMP PUMP | WEIL | 1413 | 1 HP, 120V/1 PHASE<br>RATED 100 GPM<br>AT 20 FEET H.P.D. | -- | -- | -- | -- | |

**NOTES:**
1. FIXTURE IS ADA COMPLIANT. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL MOUNTING HEIGHT.
2. FAUCET HOLES TO MATCH FAUCET SPECIFIED.
3. MOUNT WITH HANDICAPPED RECEPTOR RIM 34" ABOVE FLOOR.
4. PIPE SIZE AS SHOWN ON DRAWING.
5. FIXTURE ASSEMBLY MUST BE APPROVED BY AND INSTALLED PER ADA.
6. PROVIDE OPERATING ROD ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS BASED ON WALL THICKNESS.
7. PROVIDE TRAP GUARDS FOR ALL FLOOR DRAINS OUTSIDE OF FOOD SERVICE AREA.
8. PROVIDE FIRE RATED BOX WHERE INSTALLATION IS WITHIN FIRE RATED WALLS, AND STANDARD BOX FOR ALL OTHER WALL TYPES.

**GENERAL NOTES:**
A. PROVIDE INSULATION KIT ON ALL ADA FIXTURES WITH EXPOSED TRAP AND SUPPLIES.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/09/19

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OF AUTHORITY NO. 000073

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# LEE'S SUMMIT SENIOR COMMUNITY
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

INDEPENDENT LIVING
PLUMBING SCHEDULES

ISSUE DATE:
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

## FIRE PROTECTION NOTES:

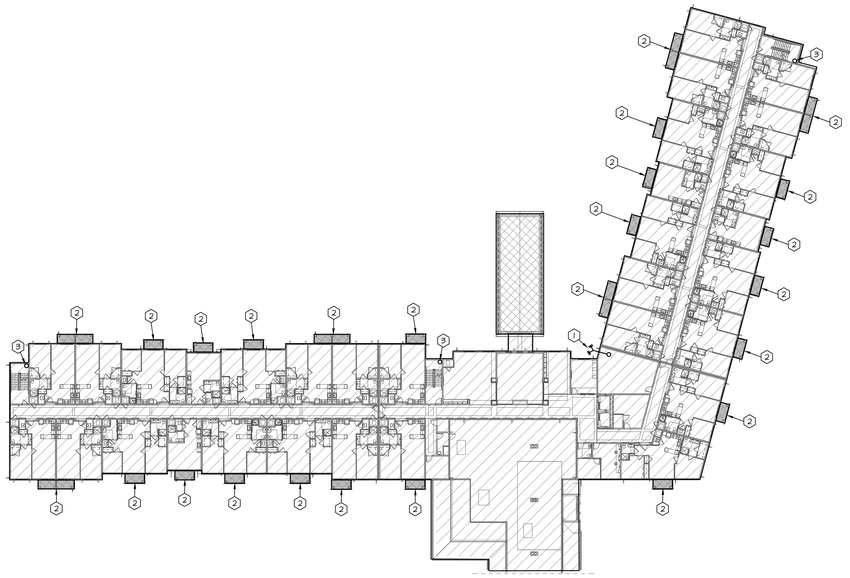
1. PROVIDE A COMPLETE AUTOMATIC SPRINKLER SYSTEM TO SERVE THE ENTIRE BUILDING.
2. PROVIDE FIRE PROTECTION SYSTEM COMPLETE, PER APPLICABLE CODES, PER NFPA, AND PER REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
3. INCLUDE ALL PIPING, OFFSETS, FITTINGS, DRAINS, VALVES, SUPPORTS, HEADS, ETC. AS REQUIRED FOR A COMPLETE OPERABLE SYSTEM.
4. SPRINKLER HEADS SHALL BE WHITE, CONCEALED IN PUBLIC AREAS, AND SEMI-RECESSED IN RESIDENCE UNITS. SPRINKLER HEADS SHALL BE ROUGH BRASS FOR AREAS WITH EXPOSED STRUCTURE.
5. SPRINKLER HEADS IN CEILINGS, UNLESS FUNCTIONALLY IMPOSSIBLE, SHALL BE CENTERED WITH AND BETWEEN ROWS OF LIGHT FIXTURES. SPRINKLER HEADS IN MACHINE ROOMS SHALL BE 212F TEMPERATURE ACTIVATED.
6. PIPING IN AREAS HAVING FINISHED CEILINGS SHALL BE CONCEALED. SPRINKLER PIPING 2- SCHEDULE 10 BLACK STEEL. SPRINKLER PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL. MINIMUM PIPE 1" AND LARGER MAY BE 2 SIZE SMALL BE 1". OTHER MATERIALS LISTED UNDER NFPA 13R ARE ACCEPTABLE.
7. PROVIDE AND INSTALL BACKFLOW PREVENTION EQUIPMENT AS REQUIRED BY LOCAL CODES. PROVIDE AND INSTALL FULL FLOW FIRE METER OR DETECTOR CHECK METER IF REQUIRED. THE SYSTEMS SHALL BE DESIGNED BY A LICENSED FIRE PROTECTION ENGINEER AND INSTALLED BY A LICENSED SPRINKLER CONTRACTOR.
8. COORDINATE ALL SCHEDULING AND WORK WITH OTHER TRADES SO AS TO PREVENT CONFLICTS, AND TO ENSURE ORDERLY PROGRESS OF THE WORK, WITH A MINIMUM OF DELAYS. WHERE SPRINKLER PIPING IS INSTALLED WITHOUT COORDINATING WITH OTHER TRADES AND CONFLICTS OCCUR, SPRINKLER PIPING SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER TO RESOLVE THE CONFLICTS.
9. WHERE PIPING PASSES THROUGH WALLS, FLOORS, CEILINGS, OR OTHER BUILDING CONSTRUCTION, SLEEVES MUST BE USED. WHERE EXPOSED PIPING PASSES THROUGH FINISH WORK, CHROME PLATED OR OTHER FINISH ACCEPTABLE TO THE ARCHITECT, SPLIT WALL PLATES OR ESCUTCHEONS SHALL BE INSTALLED TO FIT SNUGLY AROUND THE PIPING.
10. SEAL ALL FIRE PROTECTION FLOOR, WALL AND ROOF PENETRATIONS WATERTIGHT AND WEATHERTIGHT. CAULK AROUND FIRE PROTECTION PENETRATIONS WITH 3M CP-25 FIRE BARRIER CAULK (THICKNESS AS REQUIRED AND RECOMMENDED BY MANUFACTURER) TO MAINTAIN FIRE RESISTANCE RATING OF FIRE-RATED ASSEMBLIES.

## GENERAL NOTES:

1. PROVIDE NEW FIRE SPRINKLER SERVICE ENTRANCE IN ACCORDANCE WITH FIRE PROTECTION SERVICE ENTRY DETAIL. THE FIRE SPRINKLER CONTRACTOR (FSC) SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, MATERIALS AND COMPLETE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM. THE FSC SHALL PREPARE ALL NEEDED DRAWINGS TO MEET N.F.P.A. 13R REQUIREMENTS AND HAVE APPROVAL OF ALL LOCAL, STATE AND INSURANCE UNDERWRITING AUTHORITIES. THE SYSTEM SHALL BE TESTED UNDER PRESSURE BY THE FSC AND INSPECTED AND APPROVED BY THE LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. THE FSC SHALL COORDINATE LOCATION OF THE ENTIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES.
2. PROVIDE WET TYPE FIRE PROTECTION SYSTEM FOR SINGLE HATCHED AREAS AS SHOWN AT LEFT.
3. PROVIDE DRY TYPE FIRE PROTECTION SYSTEM FOR DOUBLE HATCHED AREAS AS SHOWN ON RIGHT IF REQUIRED BY CODE.
4. ROUTE PIPING CONCEALED ABOVE CEILING OR IN WALLS WHERE POSSIBLE. HEAD LAYOUT AND BRANCH PIPING SHALL BE SUBMITTED IN SHOP DRAWINGS.
5. ALL PIPING SHALL BE ROUTED AT 90 DEGREE ANGLES TO THE STRUCTURE IN A NEAT AND ORDERLY FASHION.
6. ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.
7. ALL WET SYSTEM PIPING SHALL BE ROUTED THROUGH SOFFITS AS INDICATED AND COORDINATED WITH DOMESTIC WATER PIPING. AT CONTRACTORS OPTION, AND IF ACCEPTABLE BY CODE, THIS ENTIRE WING MAY BE PROTECTED WITH THE DRY SYSTEM AS LONG AS NO MORE THAN 4 DRAINS ARE PROVIDED TO ADEQUATELY DRAIN THE SYSTEM.

## PLAN NOTES:

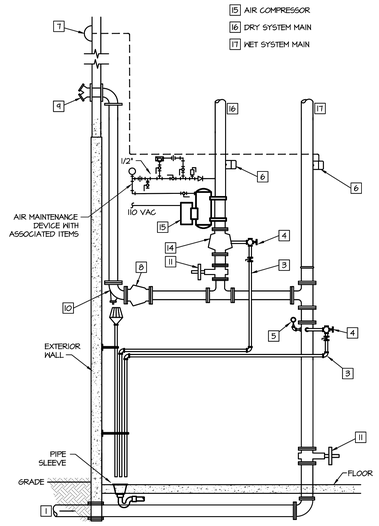
1. FIRE DEPARTMENT SIAMESE CONNECTION.
2. PROVIDE A DRY SIDEWALL HEAD TO PROTECT BALCONY.
3. FIRE PROTECTION STANDPIPE. FIRE PROTECTION CONTRACTOR SHALL COORDINATE LOCATION WITH ARCHITECT.



02 SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 1/32" = 1'-0"

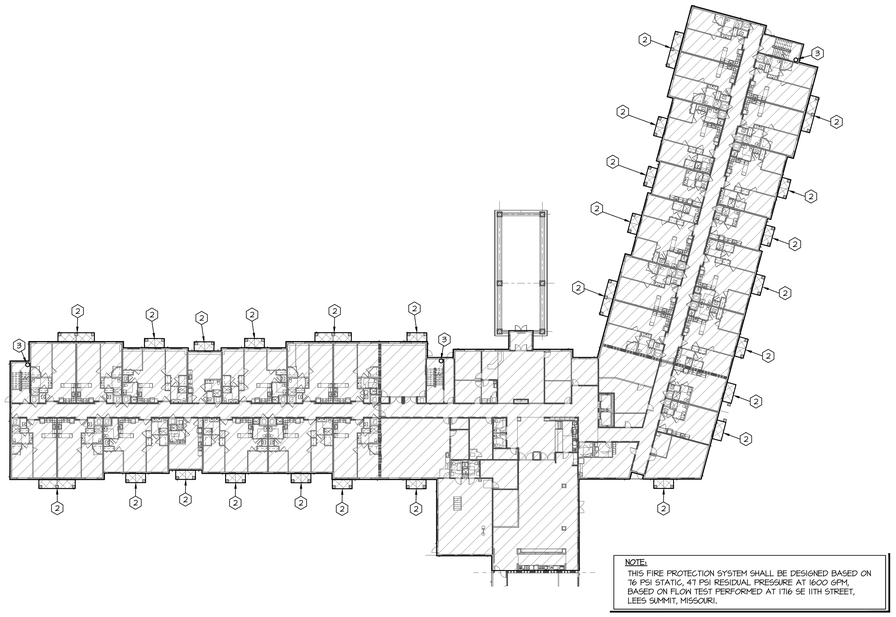
NORTH

KEY:
1. FIRE PROTECTION SERVICE
2. NOT USED
3. MAIN DRAIN
4. MAIN DRAIN VALVE
5. PRESSURE GAUGE
6. FLOW SWITCH
7. ELECTRIC ALARM
8. CHECK VALVE
9. SIAMESE CONNECTION
10. BALL DRIP
11. SUPERVIZED OS&Y VALVES
12. SHUT-OFF VALVE, TYP.
13. FLOOR DRAIN
14. DRY SYSTEM VALVE
15. AIR COMPRESSOR
16. DRY SYSTEM MAIN
17. WET SYSTEM MAIN




ARRANGEMENT SHOWN IS SCHEMATIC. MODIFY TO SUIT MANUFACTURER'S STANDARDS, MEET LOCAL CODE REQUIREMENTS. ROUTE ALL DRAINS TO OUTSIDE AS SHOWN OR TO NEARBY FLOOR DRAIN.

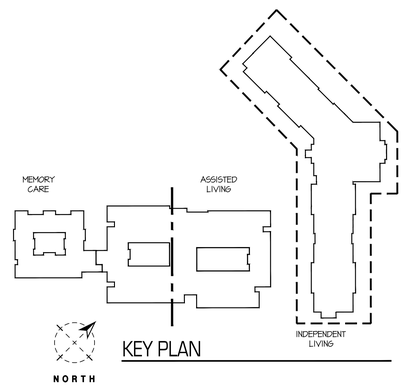
03 WET/DRY FIRE DEPARTMENT WATER ENTRANCE
SCALE: NOT TO SCALE



NOTE:
THIS FIRE PROTECTION SYSTEM SHALL BE DESIGNED BASED ON 76 PSI STATIC, 47 PSI RESIDUAL PRESSURE AT 1000 GPM, BASED ON FLOW TEST PERFORMED AT 1716 SE 11TH STREET, LEES SUMMIT, MISSOURI.

01 FIRST FLOOR PLAN - FIRE PROTECTION
SCALE: 1/32" = 1'-0"

NORTH




KEY PLAN

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
© Hoss & Brown Engineers 2019
MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST & SECOND FLOOR PLAN
FIRE PROTECTION
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
FP1.1

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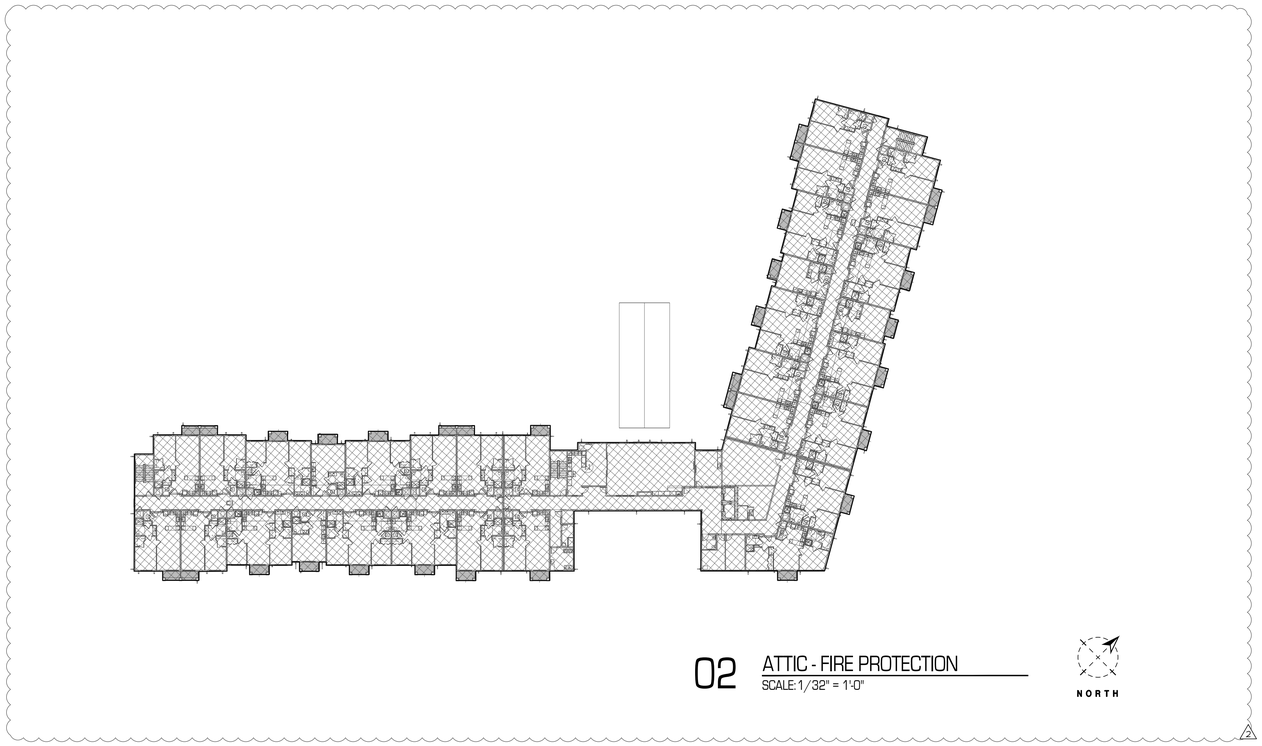
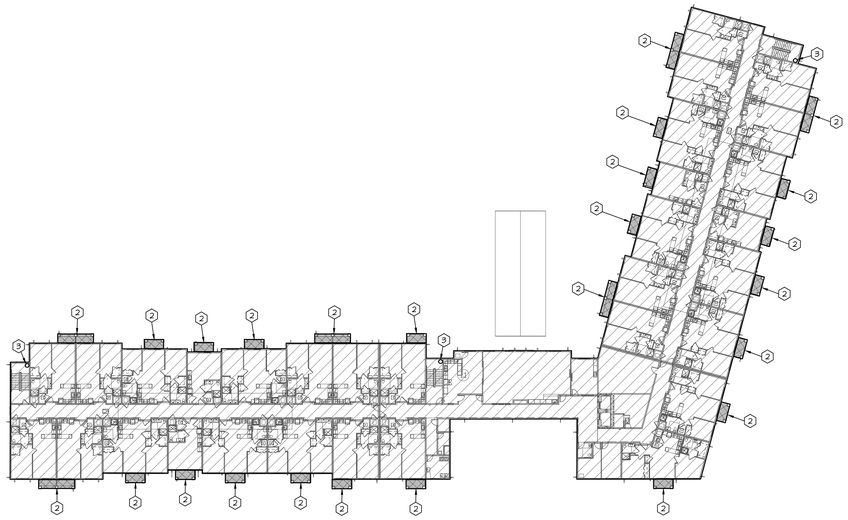


02 ATTIC - FIRE PROTECTION
SCALE: 1/32" = 1'-0"

NORTH



NOTE:
THIS FIRE PROTECTION SYSTEM SHALL BE DESIGNED BASED ON 76 PSI STATIC, 47 PSI RESIDUAL PRESSURE AT 1600 GPM, BASED ON FLOW TEST PERFORMED AT 1716 SE 11TH STREET, LEES SUMMIT, MISSOURI.

01 THIRD FLOOR PLAN - FIRE PROTECTION
SCALE: 1/32" = 1'-0"

NORTH

## FIRE PROTECTION NOTES:

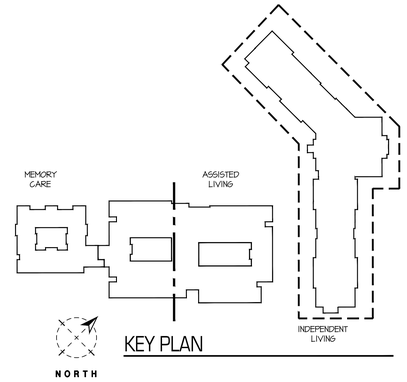
1. REFER TO IL FP1.1 FOR FIRE PROTECTION GENERAL NOTES.

## GENERAL NOTES:

1. PROVIDE NEW FIRE SPRINKLER SERVICE ENTRANCE IN ACCORDANCE WITH FIRE PROTECTION SERVICE ENTRY DETAIL. THE FIRE SPRINKLER CONTRACTOR (FSC) SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT, MATERIALS AND COMPLETE INSTALLATION OF THE ENTIRE SPRINKLER SYSTEM. THE FSC SHALL PREPARE ALL NEEDED DRAWINGS TO MEET N.F.P.A. 13 REQUIREMENTS AND HAVE APPROVAL OF ALL LOCAL, STATE AND INSURANCE UNDERWRITING AUTHORITIES. THE SYSTEM SHALL BE TESTED UNDER PRESSURE BY THE FSC AND INSPECTED AND APPROVED BY THE LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. THE FSC SHALL COORDINATE LOCATION OF THE ENTIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES.
2. PROVIDE WET TYPE FIRE PROTECTION SYSTEM FOR SINGLE HATCHED AREAS AS SHOWN AT LEFT.
3. PROVIDE DRY TYPE FIRE PROTECTION SYSTEM FOR DOUBLE HATCHED AREAS AS SHOWN ON RIGHT IF REQUIRED BY CODE.
4. ROUTE PIPING CONCEALED ABOVE CEILING OR IN WALLS WHERE POSSIBLE. HEAD LAYOUT AND BRANCH PIPING SHALL BE SUBMITTED IN SHOP DRAWINGS.
5. ALL PIPING SHALL BE ROUTED AT 90 DEGREE ANGLES TO THE STRUCTURE IN A NEAT AND ORDERLY FASHION.
6. ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.
7. ALL WET SYSTEM PIPING SHALL BE ROUTED THROUGH SOFFITS AS INDICATED AND COORDINATED WITH DOMESTIC WATER PIPING. AT CONTRACTORS OPTION, AND IF ACCEPTABLE BY CODE, THIS ENTIRE WING MAY BE PROTECTED WITH THE DRY SYSTEM AS LONG AS NO MORE THAN 4 DRAINS ARE PROVIDED TO ADEQUATELY DRAIN THE SYSTEM.

## (2) PLAN NOTES:

1. FIRE DEPARTMENT SIAMESE CONNECTION.
2. PROVIDE A DRY SIDEWALL HEAD TO PROTECT BALCONY.
3. FIRE PROTECTION STANDPIPE. FIRE PROTECTION CONTRACTOR SHALL COORDINATE LOCATION WITH ARCHITECT.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/09/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 182088
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

THIRD FLOOR & ATTIC
FIRE PROTECTION
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
FP1.2

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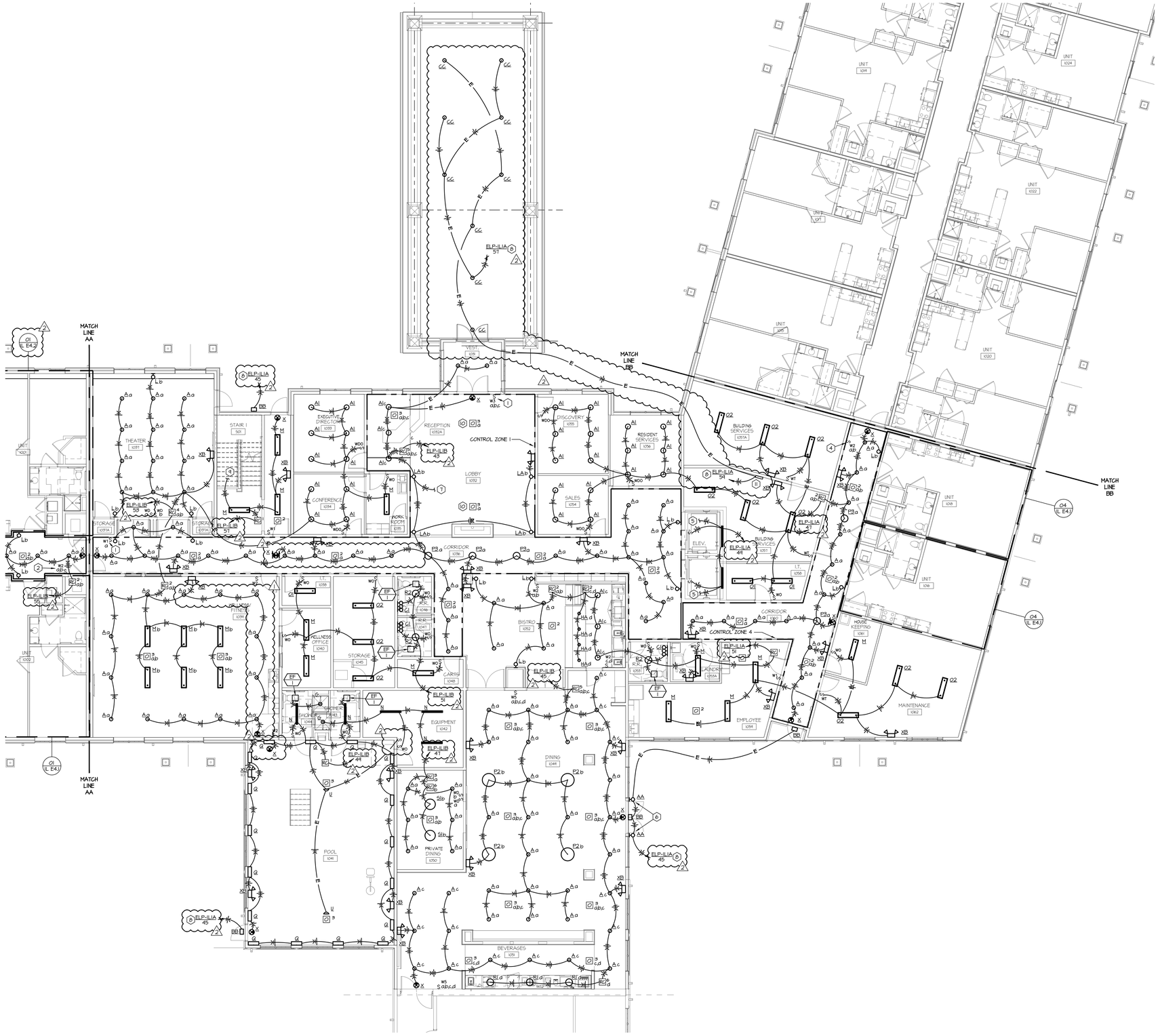



01 1ST FLOOR AREA B - LIGHTING

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.

D. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

E. PROVIDE SEPARATE NEUTRALS FOR DIMMING CIRCUITS.

F. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND LIGHTING IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

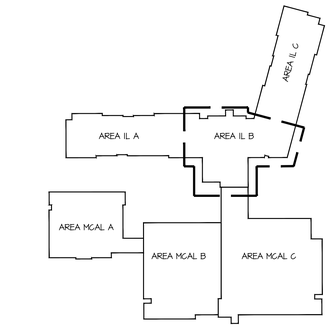
G. ALL LIGHTING CONTROL ROOM CONTROLLERS SHALL BE INSTALLED IN AN ACCESSIBLE AND CONCEALED LOCATION. PROVIDE ACCESS PANELS WHERE REQUIRED.

H. SEE ALL PLAN NOTES (XX) LISTED ON EACH SHEET.

1. PROVIDE NEUTRALS TO ALL LINE VOLTAGE SWITCHES.

## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 3 LIGHTING.
4. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 4 LIGHTING.
5. EXTEND TO ELEVATOR PIT RECEPTACLES. RECEPTACLES SHALL BE CONNECTED DOWNSTREAM OF LIGHTS.
6. MOUNT FIXTURE TO BUILDING 6'-0" AFF.
7. CIRCUIT FROM CUSTOM LIGHT FIXTURE ON LEVEL ABOVE. REFERENCE SECOND FLOOR LIGHTING PLAN FOR CONTINUATION.
8. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTACTOR. REFERENCE SHEET IL.ES.2 FOR MORE INFORMATION.
9. LIGHTING CIRCUIT/CONTROL WIRING FROM STAIRWELL LIGHTING ON LEVEL ABOVE REFERENCE SECOND FLOOR LIGHTING PLAN FOR CONTINUATION.
10. OCCUPANCY SENSOR FOR CUSTOM LIGHT FIXTURE ON LEVEL ABOVE. REFERENCE SECOND FLOOR LIGHTING PLAN.
11. PROVIDE SURFACE MOUNTED LIGHTING INVERTER EQUIVALENT TO DUAL-LITE LS-125-S CAPABLE OF 90 MINUTES OF POWER OUTPUT WITH A 120VAC/VDC POWER RATING AND CAPABLE OF OPERATING SWITCHED LOADS.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA B
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E1.1

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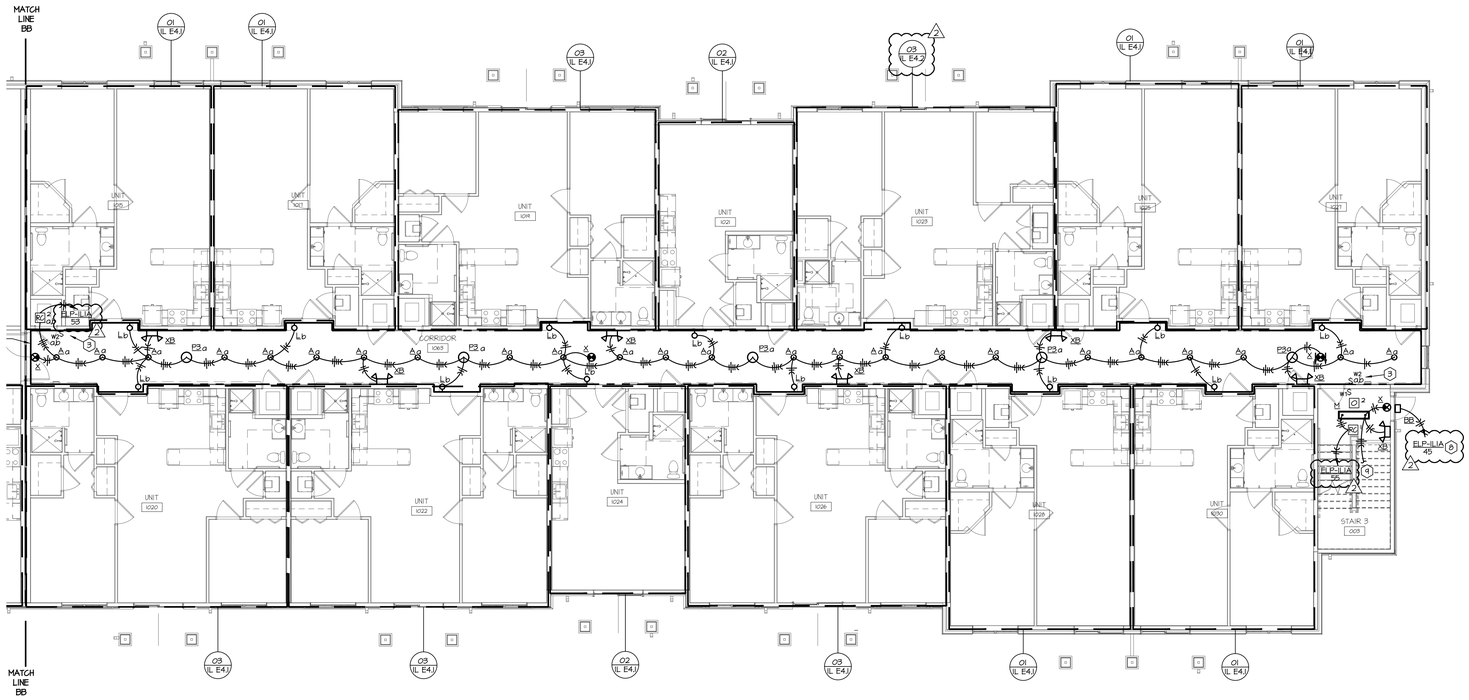
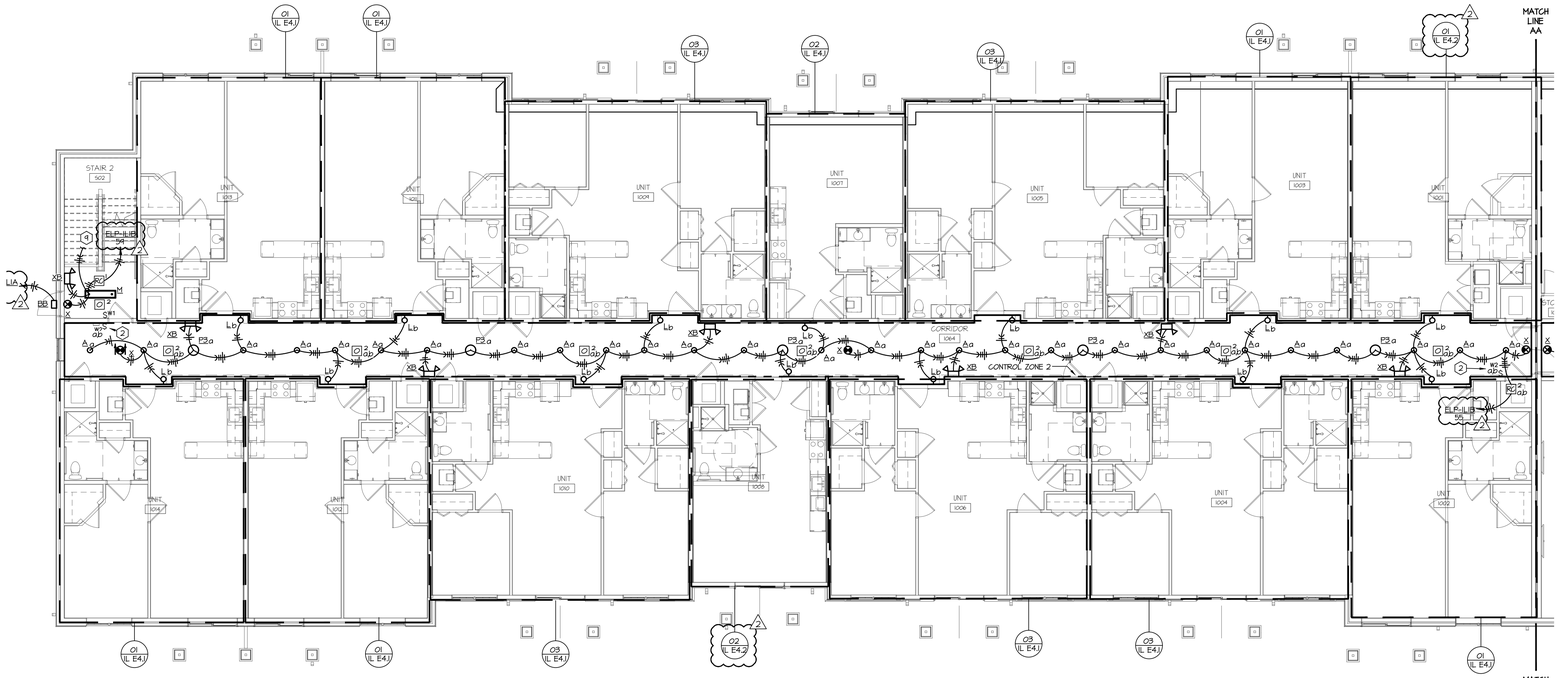



01 1ST FLOOR AREA C - LIGHTING

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

NORTH




02 1ST FLOOR AREA A - LIGHTING

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.

D. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

E. PROVIDE SEPARATE NEUTRALS FOR DIMMING CIRCUITS.

F. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND LIGHTING IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

G. ALL LIGHTING CONTROL ROOM CONTROLLERS SHALL BE INSTALLED IN AN ACCESSIBLE AND CONCEALED LOCATION. PROVIDE ACCESS PANELS WHERE REQUIRED.

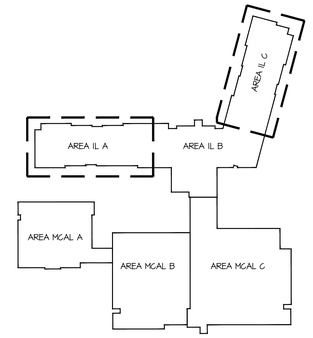
H. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

1 I. PROVIDE NEUTRALS TO ALL LINE VOLTAGE SWITCHES.

## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 3 LIGHTING.
4. LOCATION OF MANUAL OVERRIDE FOR FIRST FLOOR CONTROL ZONE 4 LIGHTING.
5. EXTEND TO ELEVATOR PIT RECEPTACLES. RECEPTACLES SHALL BE CONNECTED DOWNSTREAM OF LIGHTS.
6. MOUNT FIXTURE TO BUILDING 6'-0" AFF.
7. CIRCUIT FROM CUSTOM LIGHT FIXTURE ON LEVEL ABOVE. REFERENCE SECOND FLOOR LIGHTING PLAN FOR CONTINUATION.
8. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTACTOR. REFERENCE SHEET IL.E5.2 FOR MORE INFORMATION.
9. LIGHTING CIRCUIT/CONTROL WIRING FROM STAIRWELL LIGHTING ON LEVEL ABOVE REFERENCE SECOND FLOOR LIGHTING PLAN FOR CONTINUATION.
10. OCCUPANCY SENSOR FOR CUSTOM LIGHT FIXTURE ON LEVEL ABOVE. REFERENCE SECOND FLOOR LIGHTING PLAN.

2 11. PROVIDE SURFACE MOUNTED LIGHTING INVERTER EQUIVALENT TO DUAL-LITE LS-125-S CAPABLE OF 90 MINUTES OF POWER OUTPUT WITH A 125VA/90W POWER RATING AND CAPABLE OF OPERATING SWITCHED LOADS.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/2019

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
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STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA A & C
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E1.2

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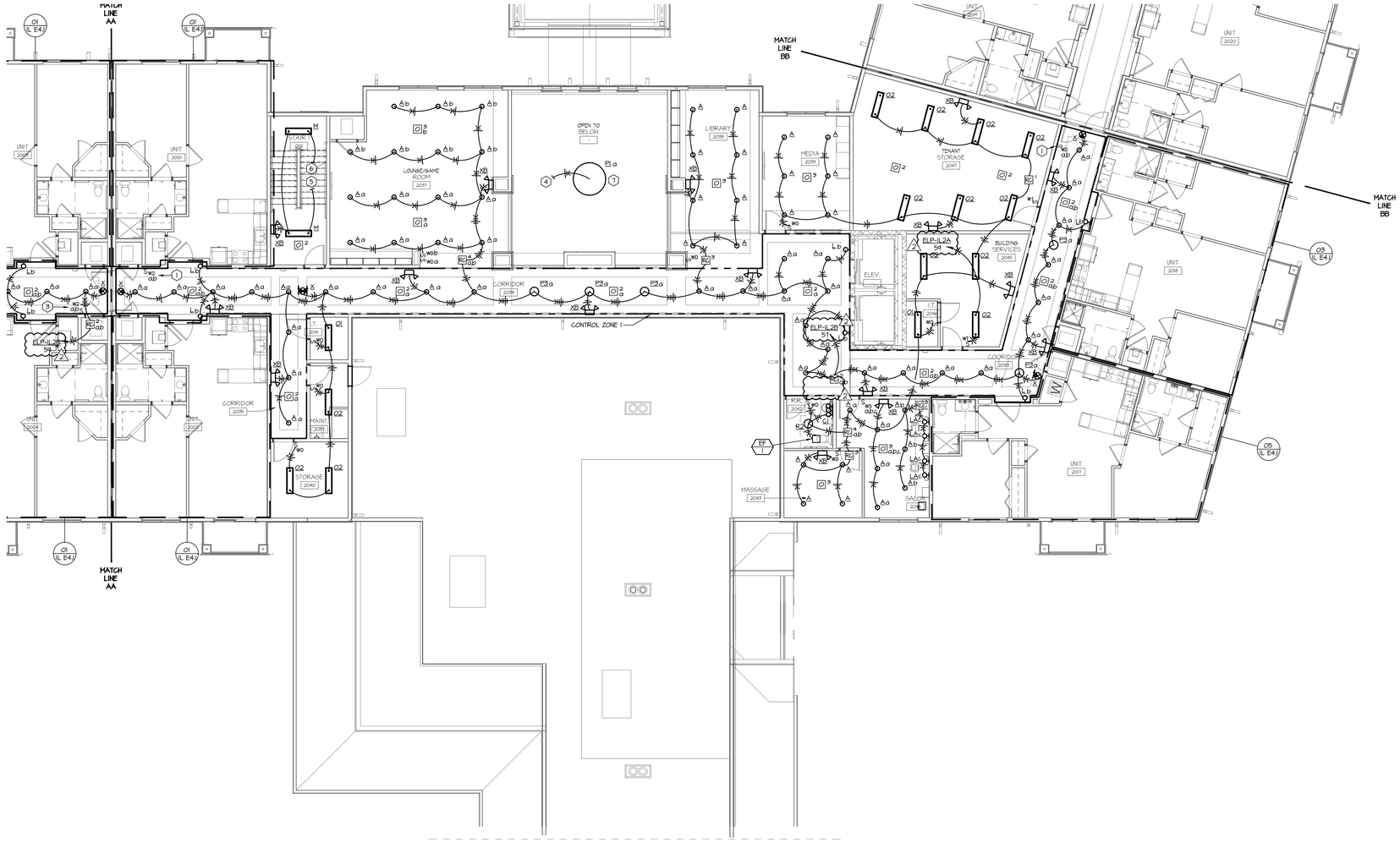
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

## GENERAL NOTES:

A. REFERENCE SHEET IL E1.1 FOR LIGHTING GENERAL NOTES.

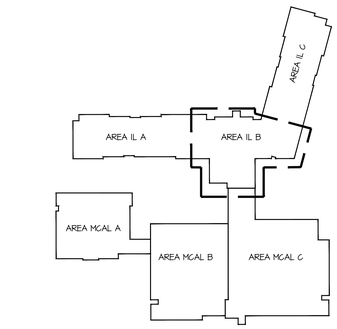
## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR SECOND FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR SECOND FLOOR CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR SECOND FLOOR CONTROL ZONE 3 LIGHTING.
4. CONNECT TO LIGHT FIXTURE ON LEVEL BELOW. REFERENCE FIRST FLOOR LIGHTING PLAN FOR CONTINUATION.
5. LIGHTING CIRCUIT/CONTROL WIRING FROM STAIRWELL LIGHTING ON LEVEL ABOVE. REFERENCE THIRD FLOOR LIGHTING PLAN FOR CONTINUATION.
6. EXTEND LIGHTING CIRCUIT/CONTROL WIRING TO STAIRWELL LIGHTING ON LEVEL BELOW. REFERENCE FIRST FLOOR LIGHTING PLAN FOR CONTINUATION.
7. PROVIDE MANUAL LIFT FOR CUSTOM LIGHT FIXTURE. COORDINATE LIFT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.




01 2ND FLOOR AREA B - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH




NORTH

KEY PLAN

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA B
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E1.3

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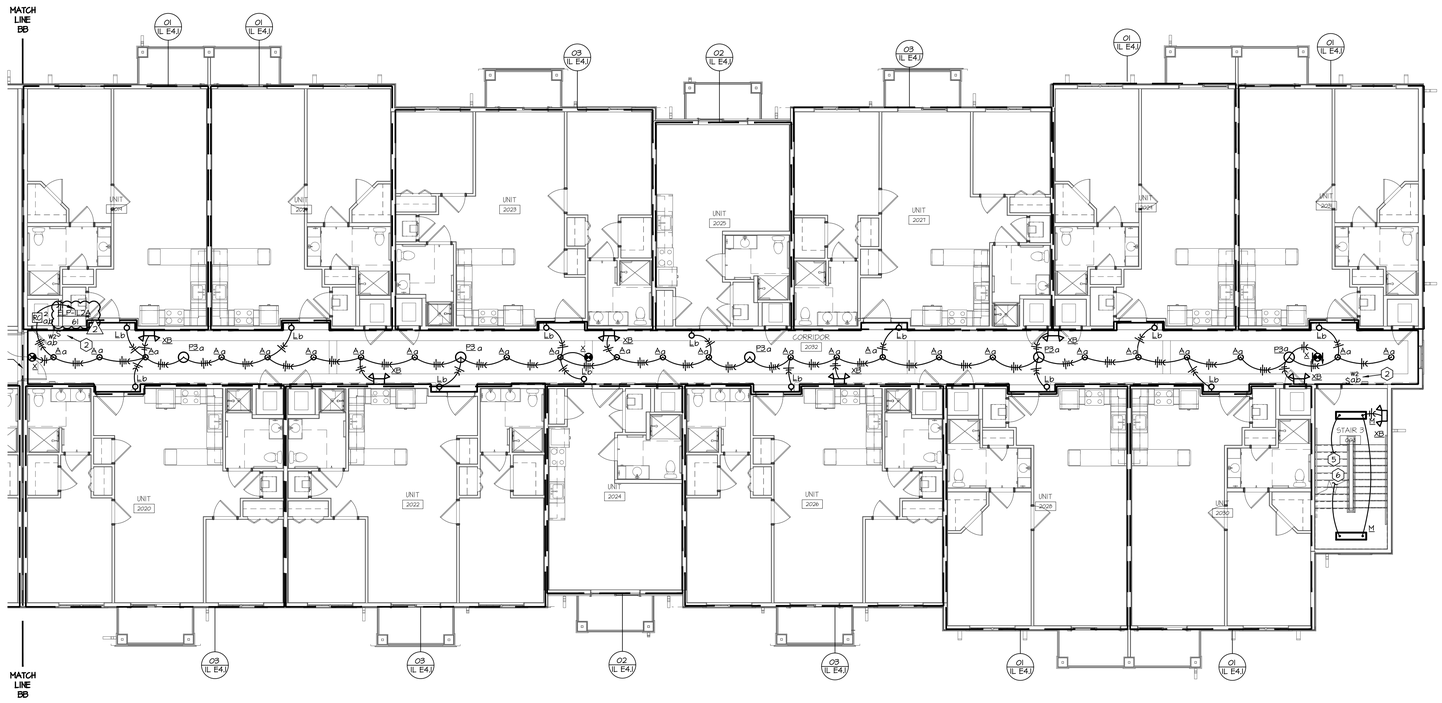
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

## GENERAL NOTES:

A. REFERENCE SHEET IL E1.1 FOR LIGHTING GENERAL NOTES.

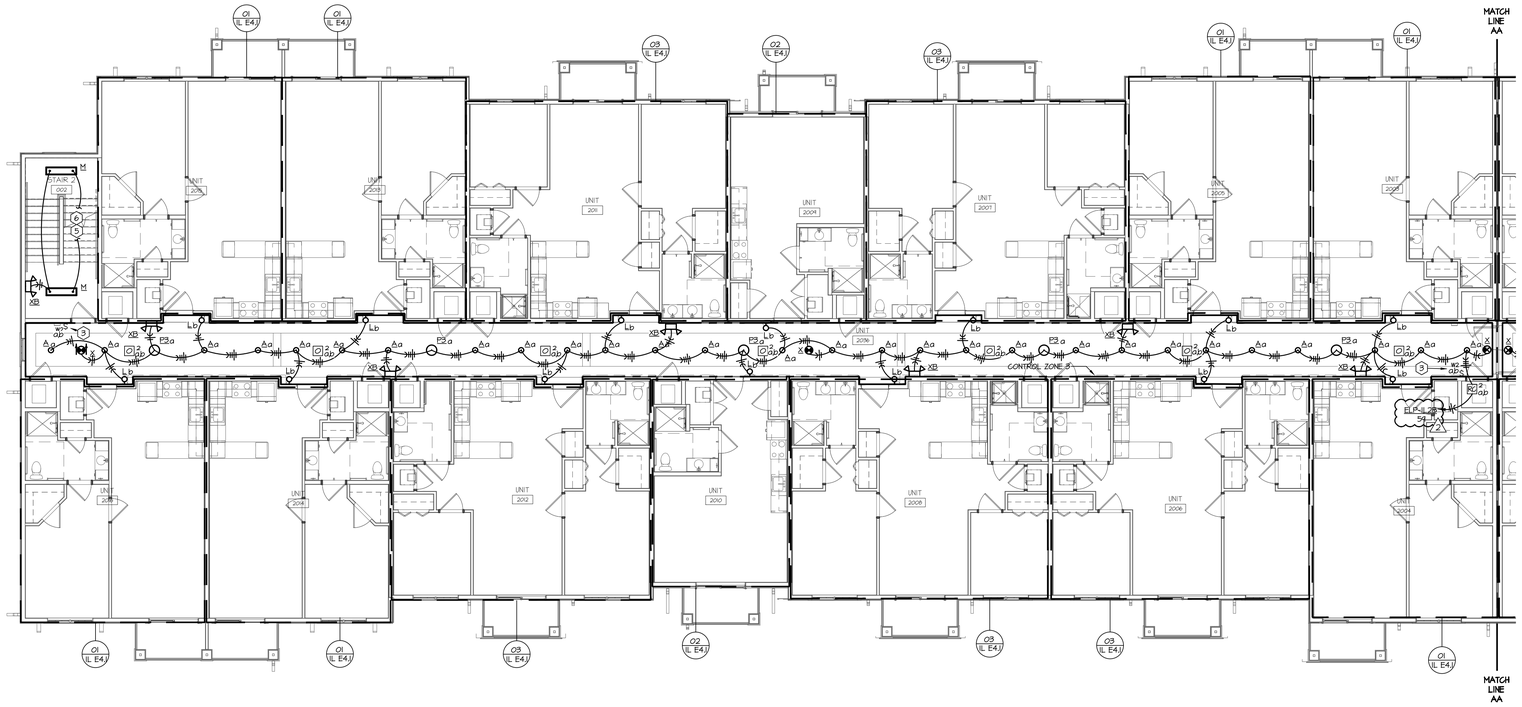
## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR SECOND FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR SECOND FLOOR CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR SECOND FLOOR CONTROL ZONE 3 LIGHTING.
4. CONNECT TO LIGHT FIXTURE ON LEVEL BELOW. REFERENCE FIRST FLOOR LIGHTING PLAN FOR CONTINUATION.
5. LIGHTING CIRCUIT/CONTROL WIRING FROM STAIRWELL LIGHTING ON LEVEL ABOVE. REFERENCE THIRD FLOOR LIGHTING PLAN FOR CONTINUATION.
6. EXTEND LIGHTING CIRCUIT/CONTROL WIRING TO STAIRWELL LIGHTING ON LEVEL BELOW. REFERENCE FIRST FLOOR LIGHTING PLAN FOR CONTINUATION.
7. PROVIDE MANUAL LIFT FOR CUSTOM LIGHT FIXTURE. COORDINATE LIFT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.



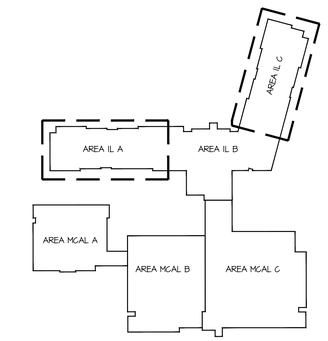

01 2ND FLOOR AREA C - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH




02 2ND FLOOR AREA A - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH

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KEY PLAN

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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

SECOND FLOOR
AREA A & C
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
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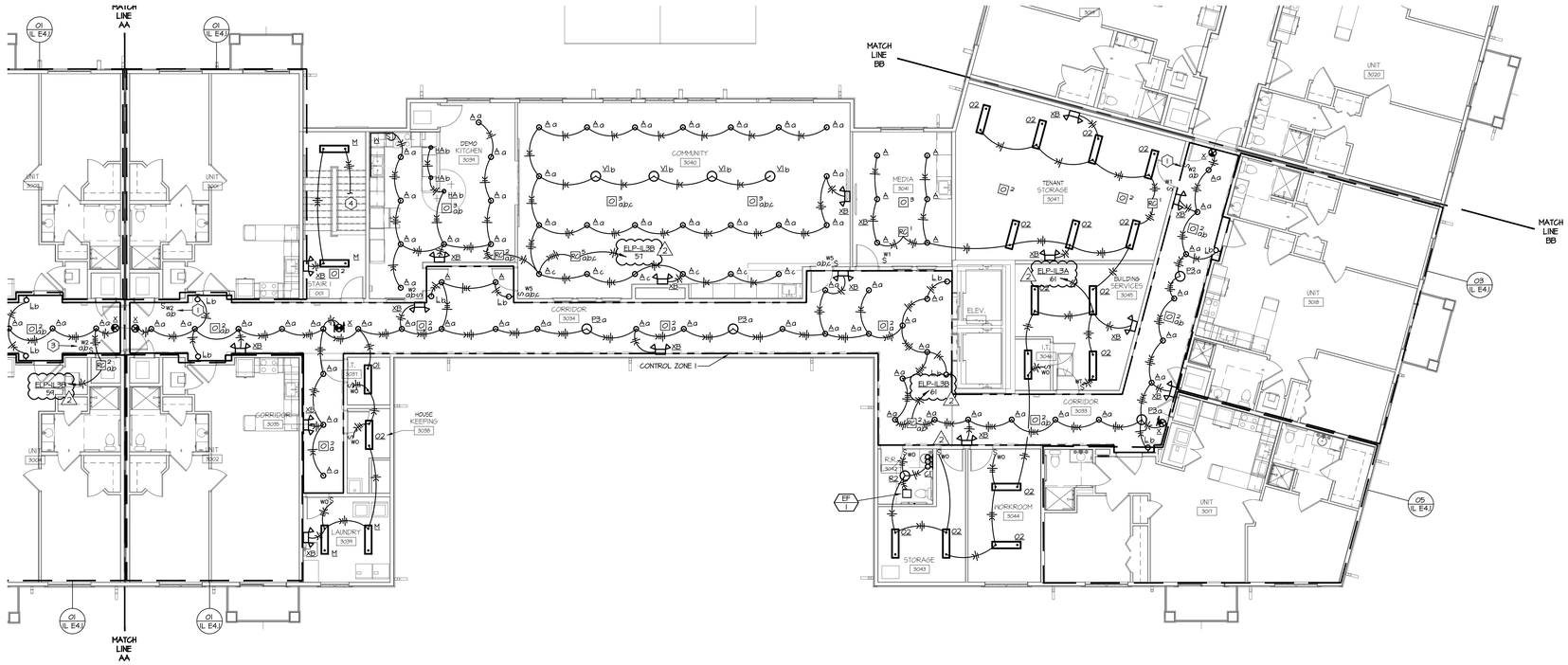
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

## GENERAL NOTES:

A. REFERENCE SHEET IL E1.1 FOR LIGHTING GENERAL NOTES.

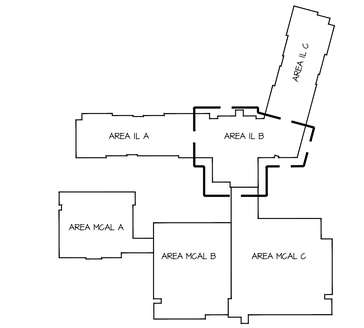
## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 3 LIGHTING.
4. EXTEND LIGHTING CIRCUIT/CONTROL WIRING TO STAIRWELL LIGHTING ON LEVEL BELOW. REFERENCE FIRST FLOOR LIGHTING PLAN FOR CONTINUATION.
5. TO ROOM CONTROLLER AND LIGHT FIXTURE IN ATTIC. SEE MPE 2.5 ROOF PLAN FOR CONTINUATION.




01 3RD FLOOR AREA B - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH




NORTH

KEY PLAN

SWD ARCHITECTS
EST 1935

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LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA B
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

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PROJECT NO.:1811

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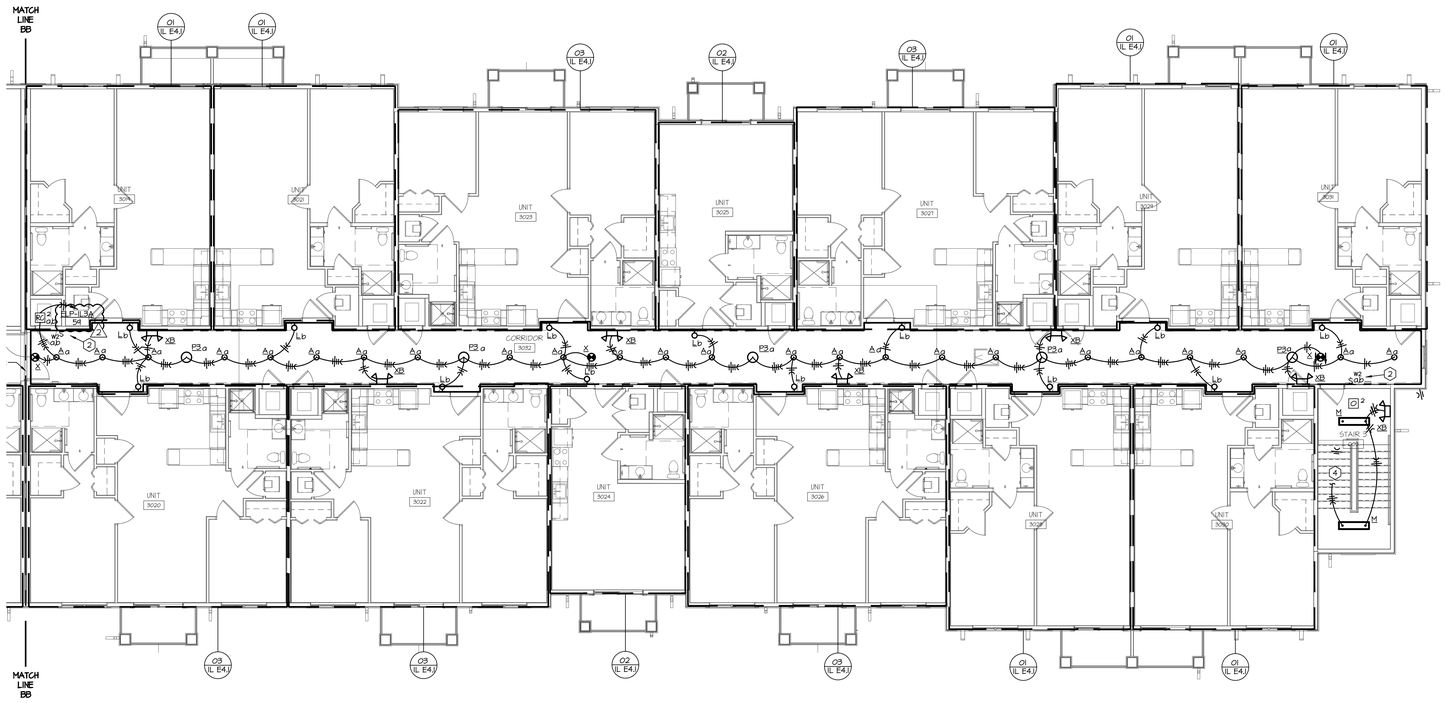
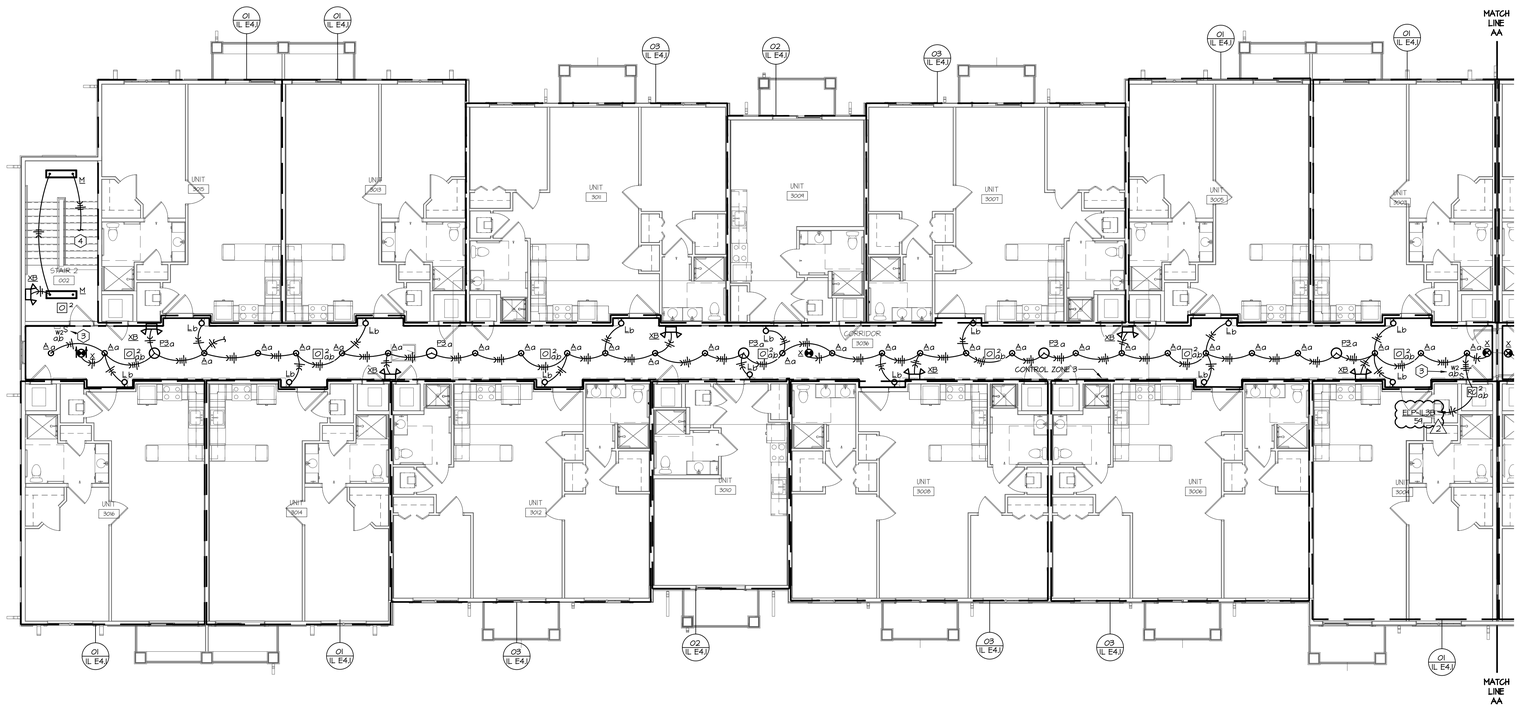



## 01 3RD FLOOR AREA C - LIGHTING

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

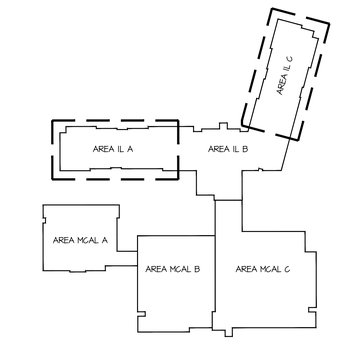
NORTH




## 02 3RD FLOOR AREA A - LIGHTING

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFERENCE SHEET IL E1.1 FOR LIGHTING GENERAL NOTES.

## PLAN NOTES:

1. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 2 LIGHTING.
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4. EXTEND LIGHTING CIRCUIT/CONTROL WIRING TO STAIRWELL LIGHTING ON LEVEL BELOW. REFERENCE FIRST FLOOR LIGHTING PLAN FOR CONTINUATION.
5. TO ROOM CONTROLLER AND LIGHT FIXTURE IN ATTIC. SEE MPE 2.5 ROOF PLAN FOR CONTINUATION.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/08/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA A & C
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
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PROJECT NO.:1811

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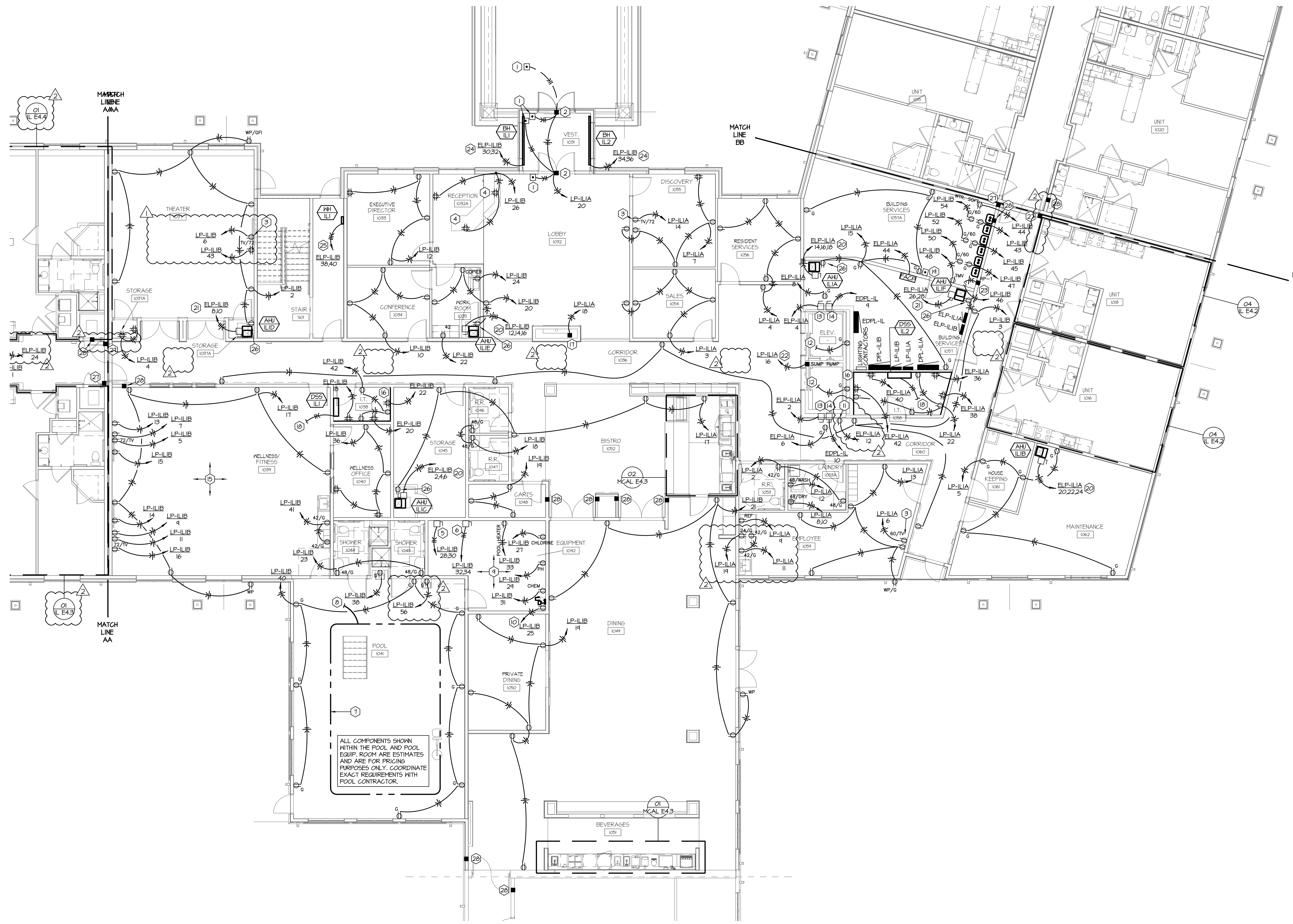
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020



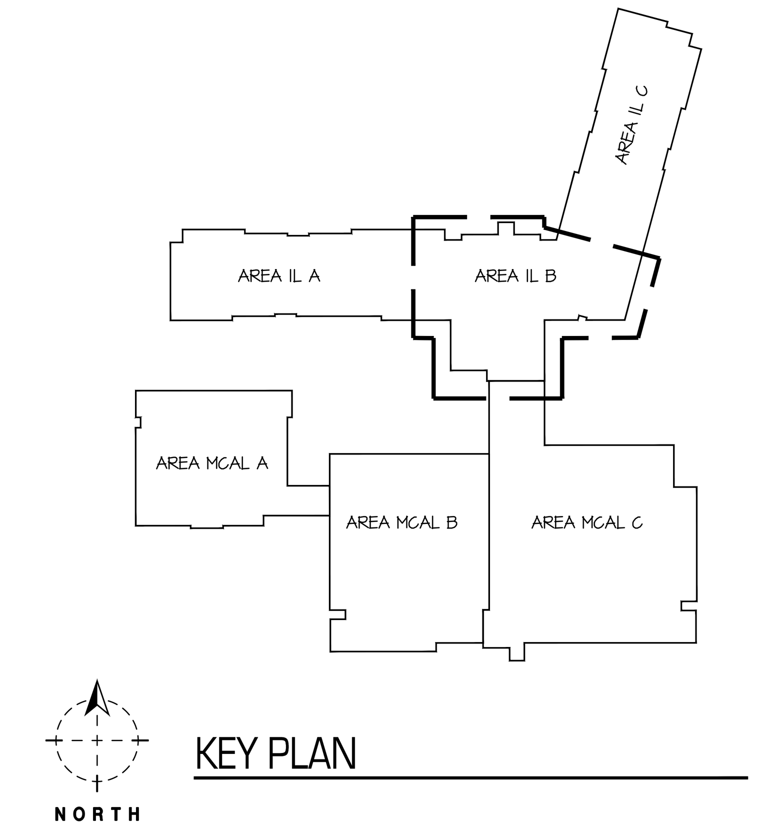
01 1ST FLOOR AREA B - POWER
SCALE: 1/8" = 1'-0"

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.
C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.
D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.
E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.
F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.
G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.
H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.
I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.
J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.
K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.
L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.
M. REFERENCE MECHANICAL SHEETS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPER UPON DETECTION OF SMOKE. CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.
N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.
O. INTERLOCK OUTSIDE AIR DAMPER CONNECTED TO FURNACE/AHU. DAMPER TO OPEN WHEN UNIT IS ENERGIZED AND CLOSE WHEN UNIT IS OFF.

## PLAN NOTES:

1. PROVIDE 120 VOLT 20 AMP CIRCUIT FOR POWER OF ADA DOOR OPERATORS. PROVIDE JUNCTION BOX FOR ADA DOOR OPERATOR PUSHBUTTON. COORDINATE BOX HEIGHT WITH ARCHITECT. INTERLOCK WITH ACCESS CONTROL SYSTEM.
2. PROVIDE ALL NECESSARY ROUGH-IN FOR ACCESS CONTROL FROM THE NEAREST CONTROLLER CLOSET. COORDINATE WITH THE EXACT REQUIREMENTS ON LOW VOLTAGE DRAWINGS.
3. PROVIDE ARLINGTON #DVFR2W, 2-GANG, RECESSED FIRE-RATED JUNCTION BOX FOR TELEVISION DUPLEX RECEPTACLE AND LOW VOLTAGE OUTLETS.
4. PROVIDE RECEPTACLE IN CASEWORK AND ROUTE CIRCUITRY HORIZONTALLY THROUGH CASEWORK TO FULL HEIGHT WALL IN UP TO DESIGNATED PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CASEWORK INSTALLER PRIOR TO INSTALLATION.
5. PROVIDE 30A/2P MOTOR RATED NON-FUSED DISCONNECT SWITCH FOR POOL SWIM JETS. ROUTE (2) #10 AND (1) #10 GROUND IN 3/4" CONDUIT FOR CONNECTION TO BADU PUMP CONTROLLER.
6. PROVIDE 30A/2P MOTOR RATED NON-FUSED DISCONNECT SWITCH FOR POOL RECIRCULATION/FILTER PUMP. COORDINATE REQUIREMENTS AND LOCATION WITH POOL CONTRACTOR PRIOR TO CONSTRUCTION. PROVIDE (2)#12 AND A #12 GROUND IN 1/2" CONDUIT.
7. #6 SOLID BARE COPPER BONDING LOOP. BOND ALL METALLIC ITEMS AS REQUIRED BY THE NATIONAL ELECTRIC CODE, 680.26. INSTALL BONDING LOOP 48" (+/- 6") FROM INSIDE FACE OF POOL AND NO DEEPER THAN 18" BELOW THE FINISHED DECK ELEVATION. SEE DETAIL EQUIPOTENTIAL BONDING SCHEMATIC ON SHEET E5.2 FOR MORE INFORMATION.
8. EXTEND #6 BONDING WIRE INTO FILTER ROOM AND BOND TO PUMPS.
9. PROVIDE DEDICATED BRANCH CIRCUITS FOR EACH RECEPTACLE FEEDING POOL CONTROLLERS (3 TOTAL). COORDINATE REQUIREMENTS AND LOCATIONS WITH POOL CONTRACTOR PRIOR TO CONSTRUCTION. PROVIDE 2#12 GRD. IN 1/2"C.
10. PROVIDE RECEPTACLE HIGH IN SPACE TO SERVE EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
11. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
12. CONNECT TO ELEVATOR PIT LIGHTING CIRCUIT. RECEPTACLE SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR.
13. CAB LIGHTING: PROVIDE LOCKABLE 30A, 240V, 2 WIRE NEMA 1 DISCONNECT FUSED AT 20 AMPS FOR ELEVATOR CAB LIGHTING. PROVIDE (2)#12, (1)#12G IN 1/2" CONDUIT. INSTALL IN CONTROL SPACE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
14. ELEVATOR DISCONNECT: PROVIDE 225 AMP, 208V, 3 WIRE, NEMA 1 DISCONNECT FUSED PER MANUFACTURER'S REQUIREMENTS FOR MAIN ELEVATOR POWER THAT IS CAPABLE OF BEING LOCKED IN THE ON POSITION. FUSE SHALL BE TIME-DELAYED. PROVIDE DISCONNECT WITH AUXILLARY CONTACTS. PROVIDE WIRING TO ELEVATOR CONTROLLER. INSTALL IN CONTROL SPACE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
15. COORDINATE EXACT LOCATION OF FITNESS EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING EQUIPMENT RECEPTACLES.
16. PROVIDE 15/32"X48" FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE 'TS' SHEETS FOR BOARD WIDTH. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. COORDINATE EXACT CONNECTION WITH SERVICE PROVIDER.
17. PROVIDE POWER CONNECT TO ELECTRIC FIREPLACE. COORDINATE WITH EQUIPMENT MANUFACTURE FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.
18. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
19. PROVIDE CONTINUOUS CONTACT RED MUSHROOM SWITCH AND LABEL AS "WATER HEATER SHUTDOWN." INTERLOCK SWITCH WITH ALL INSTANTEOUS WATER HEATERS RECEPTACLES SO CONTROL POWER IS REMOVED WHEN BUTTON IS PUSHED. COMPLETE INSTALLATION SHALL MEET THE REQUIREMENTS OF CSD-1. INSTALL BUTTON 66" AFF.
20. PROVIDE 60A/3P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (4)#8's & #10G IN 3/4"C.
21. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#8's & #10G IN 3/4"C.
22. PROVIDE 30A/1P TOGGLE DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4" C.
23. PROVIDE 20A/1P TOGGLE DISCONNECT SWITCH. ROUTE THROUGH AQUASTAT. PROVIDE REQUIRED ELECTRICAL CONTROLS CONNECTIONS TO ASSOCIATED INSTANTEOUS WATER HEATER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
24. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (3)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
25. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 3/4" CONDUIT.
26. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
27. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
28. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER




KEY PLAN

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LICENSE NO. 2009035182
STATE OF MISSOURI CASEY JOHN STEINER NUMBER PE-2009035182 PROFESSIONAL ENGINEER
8/10/19

FIRST FLOOR
AREA B
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
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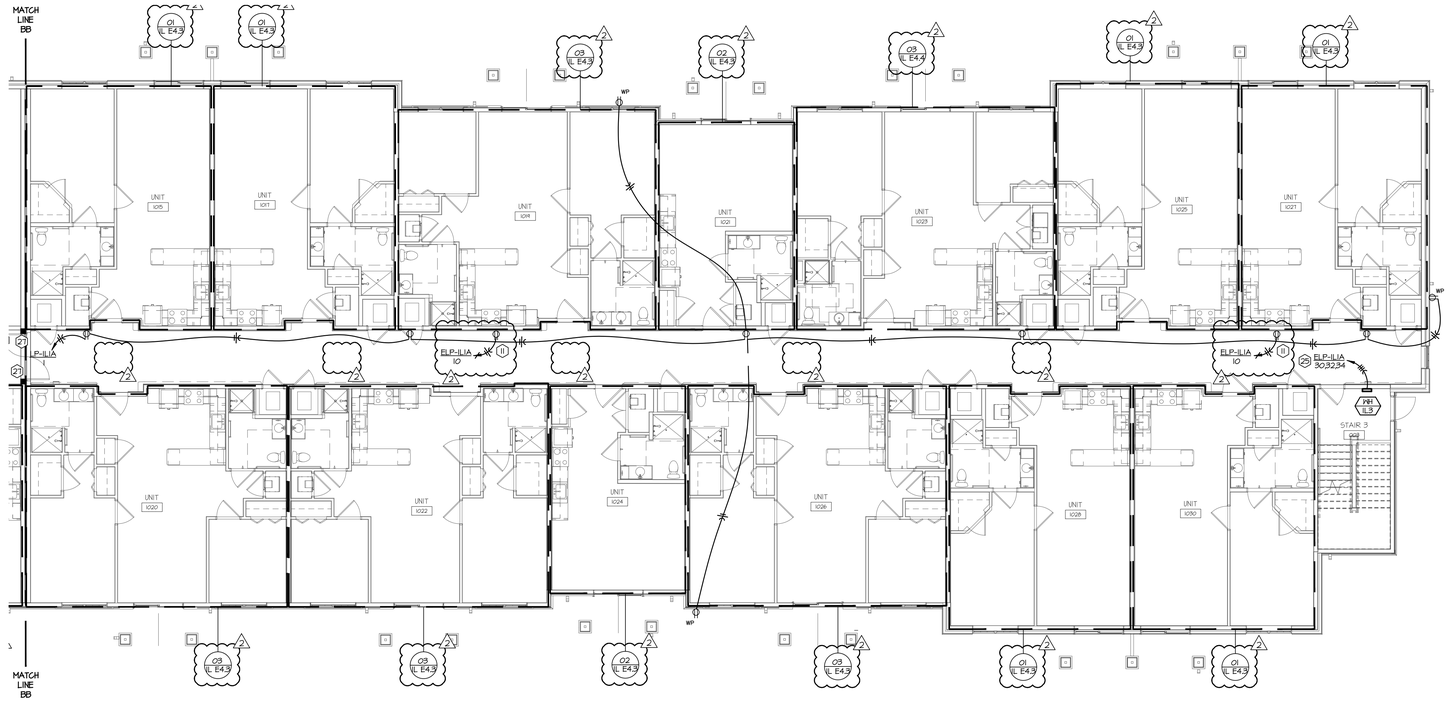
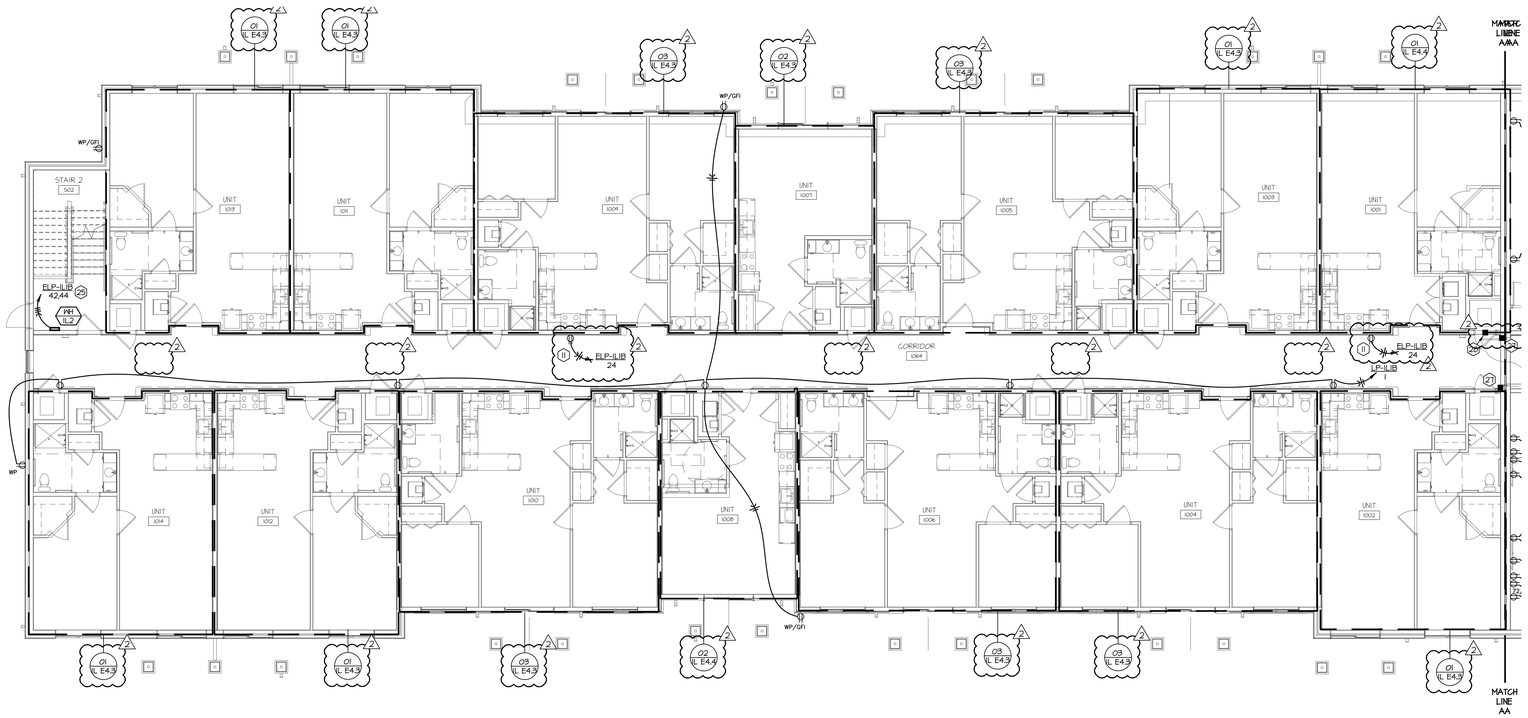



## 01 1ST FLOOR AREA C - POWER

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

NORTH




## 02 1ST FLOOR AREA A - POWER

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

NORTH

## PLAN NOTES: (CONT)

18. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
19. PROVIDE CONTINUOUS CONTACT RED MUSHROOM SWITCH AND LABEL AS "WATER HEATER SHUTDOWN." INTERLOCK SWITCH WITH ALL INSTANTEOUS WATER HEATERS RECEPTACLES SO CONTROL POWER IS REMOVED WHEN BUTTON IS PUSHED. COMPLETE INSTALLATION SHALL MEET THE REQUIREMENTS OF CSD-1. INSTALL BUTTON 66" AFF.
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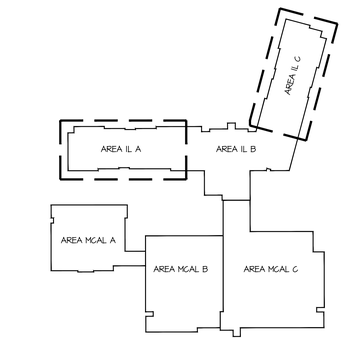
21. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#8's & #10G IN 3/4"C.
22. PROVIDE 30A/1P TOGGLE DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10's & #10G IN 3/4" C.
23. PROVIDE 20A/1P TOGGLE DISCONNECT SWITCH. ROUTE THROUGH AQUASTAT. PROVIDE REQUIRED ELECTRICAL CONTROLS CONNECTIONS TO ASSOCIATED INSTANTEOUS WATER HEATER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
24. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (3)#12 & #12 GROUND WIRE IN A 1/2" CONDUIT.
25. PROVIDE ELECTRICAL CONNECTION TO UNIT AND HOMERUN WITH (4)#12 & #12 GROUND WIRE IN A 3/4" CONDUIT.
26. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
27. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
28. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.
C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.
D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.
E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.
F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.
G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.
H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.
I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.
J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.
K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.
L. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.
M. REFERENCE MECHANICAL SHEETS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPER UPON DETECTION OF SMOKE. CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.
N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.
1 Δ. INTERLOCK OUTSIDE AIR DAMPER CONNECTED TO FURNACE/AHU. DAMPER TO OPEN WHEN UNIT IS ENERGIZED AND CLOSE WHEN UNIT IS OFF.

## PLAN NOTES:

1. PROVIDE 120 VOLT 20 AMP CIRCUIT FOR POWER OF ADA DOOR OPERATORS. PROVIDE JUNCTION BOX FOR ADA DOOR OPERATOR PUSHBUTTON. COORDINATE BOX HEIGHT WITH ARCHITECT. INTERLOCK WITH ACCESS CONTROL SYSTEM.
2. PROVIDE ALL NECESSARY ROUGH-IN FOR ACCESS CONTROL FROM THE NEAREST CONTROLLER CLOSET. COORDINATE WITH THE EXACT REQUIREMENTS ON LOW VOLTAGE DRAWINGS.
3. PROVIDE ARLINGTON #DVFR2W, 2-GANG, RECESSED FIRE-RATED JUNCTION BOX FOR TELEVISION DUPLEX RECEPTACLE AND LOW VOLTAGE OUTLETS.
4. PROVIDE RECEPTACLE IN CASEWORK AND ROUTE CIRCUITRY HORIZONTALLY THROUGH CASEWORK TO FULL HEIGHT WALL IN UP TO DESIGNATED PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CASEWORK INSTALLER PRIOR TO INSTALLATION.
5. PROVIDE 30A/2P MOTOR RATED NON-FUSED DISCONNECT SWITCH FOR POOL SWIM JETS. ROUTE (2) #10 AND (1) #10 GROUND IN 3/4" CONDUIT FOR CONNECTION TO BADU PUMP CONTROLLER.
6. PROVIDE 30A/2P MOTOR RATED NON-FUSED DISCONNECT SWITCH FOR POOL RECIRCULATION/FILTER PUMP. COORDINATE REQUIREMENTS AND LOCATION WITH POOL CONTRACTOR PRIOR TO CONSTRUCTION. PROVIDE (2)#12 AND A #12 GROUND IN 1/2" CONDUIT.
7. #6 SOLID BARE COPPER BONDING LOOP. BOND ALL METALLIC ITEMS AS REQUIRED BY THE NATIONAL ELECTRIC CODE, 680.26. INSTALL BONDING LOOP 48" (+/- 6") FROM INSIDE FACE OF POOL AND NO DEEPER THAN 18" BELOW THE FINISHED DECK ELEVATION. SEE DETAIL EQUIPOTENTIAL BONDING SCHEMATIC ON SHEET E5.2 FOR MORE INFORMATION.
8. EXTEND #6 BONDING WIRE INTO FILTER ROOM AND BOND TO PUMPS.
9. PROVIDE DEDICATED BRANCH CIRCUITS FOR EACH RECEPTACLE FEEDING POOL CONTROLLERS (3 TOTAL). COORDINATE REQUIREMENTS AND LOCATIONS WITH POOL CONTRACTOR PRIOR TO CONSTRUCTION. PROVIDE 2#12 GRD. IN 1/2"C.
10. PROVIDE RECEPTACLE HIGH IN SPACE TO SERVE EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
2 Δ. 11. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
12. CONNECT TO ELEVATOR PIT LIGHTING CIRCUIT. RECEPTACLE SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR.
13. CAB LIGHTING: PROVIDE LOCKABLE 30A, 240V, 2 WIRE NEMA 1 DISCONNECT FUSED AT 20 AMPS FOR ELEVATOR CAB LIGHTING. PROVIDE (2)#12, (1)#12G IN 1/2" CONDUIT. INSTALL IN CONTROL SPACE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
14. ELEVATOR DISCONNECT: PROVIDE 225 AMP, 208V, 3 WIRE, NEMA 1 DISCONNECT FUSED PER MANUFACTURER'S REQUIREMENTS FOR MAIN ELEVATOR POWER THAT IS CAPABLE OF BEING LOCKED IN THE 'I' POSITION. FUSE SHALL BE TIME-DELAYED. PROVIDE DISCONNECT WITH AUXILLARY CONTACTS. PROVIDE WIRING TO ELEVATOR CONTROLLER. INSTALL IN CONTROL SPACE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
15. COORDINATE EXACT LOCATION OF FITNESS EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING EQUIPMENT RECEPTACLES.
16. PROVIDE 15/32"X48" FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE T5' SHEETS FOR BOARD WIDTH. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. COORDINATE EXACT CONNECTION WITH SERVICE PROVIDER.
17. PROVIDE POWER CONNECT TO ELECTRIC FIREPLACE. COORDINATE WITH EQUIPMENT MANUFACTURE FOR ALL ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073
H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA A & C
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E2.2

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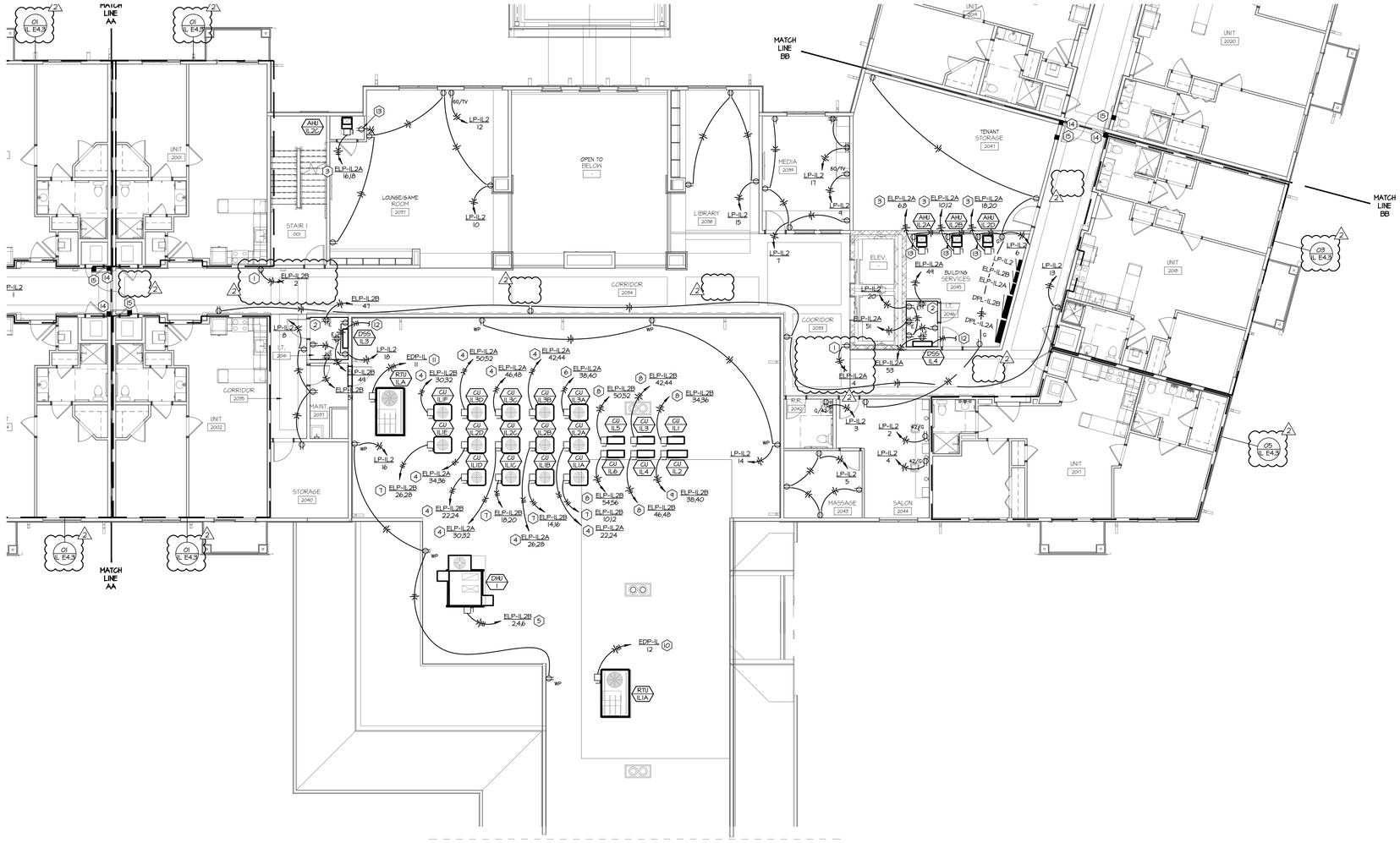



## 01 2ND FLOOR AREA B - POWER

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

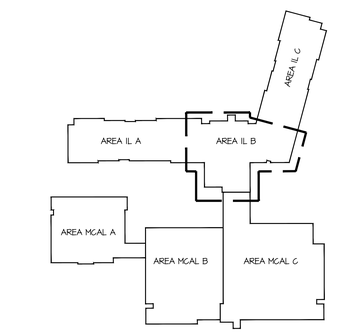
NORTH

## GENERAL NOTES:

A. REFERENCE SHEET IL E2.1 FOR POWER GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
2. PROVIDE 15/32"X48" FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE T5' SHEETS FOR BOARD WIDTH. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. COORDINATE EXACT CONNECTION WITH SERVICE PROVIDER.
3. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
4. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#12's &#12G IN 3/4"C.
5. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (4)#6's &#10G IN 3/4"C.
6. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#6's &#10G IN 3/4"C.
7. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10's &#10G IN 3/4"C.
8. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#12's &#12G IN 3/4"C.
9. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
10. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
11. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#4's &#10G IN 1"C.
12. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
13. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
14. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
15. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA B
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E2.3

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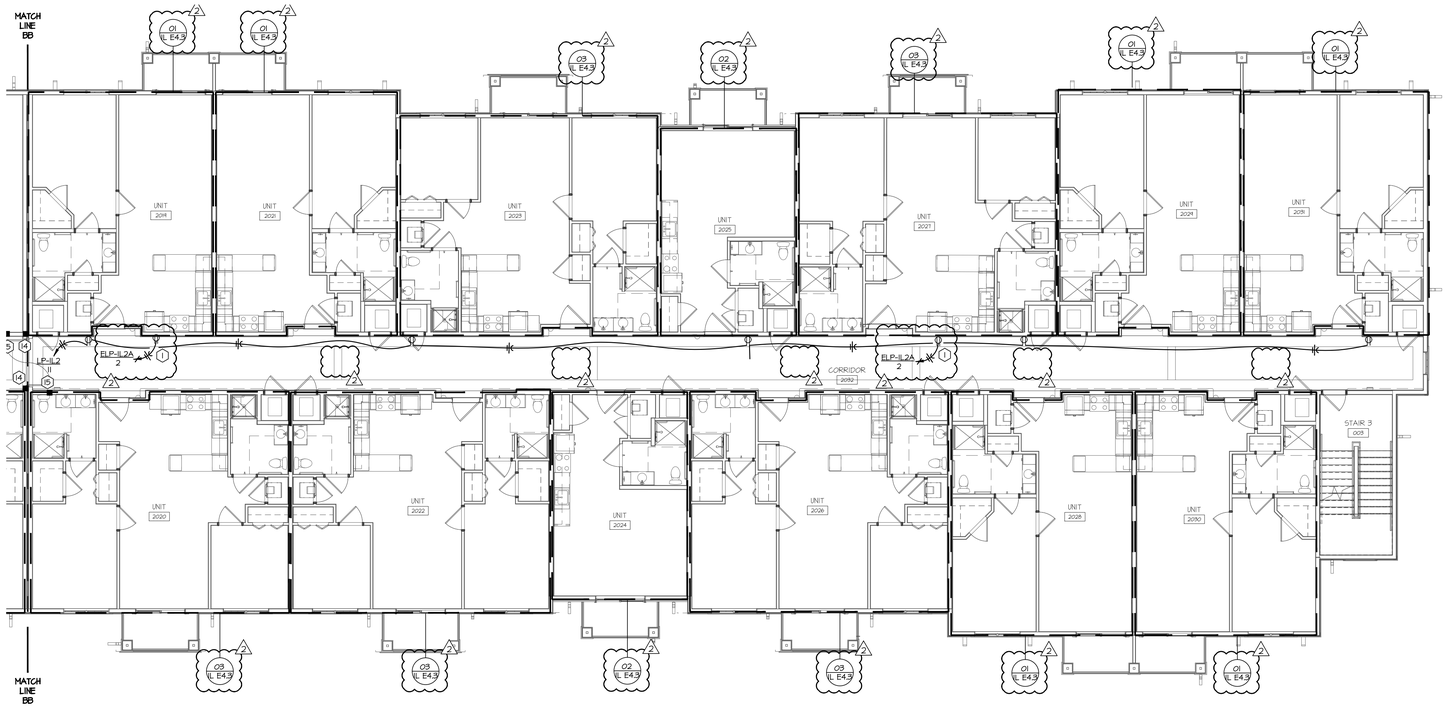
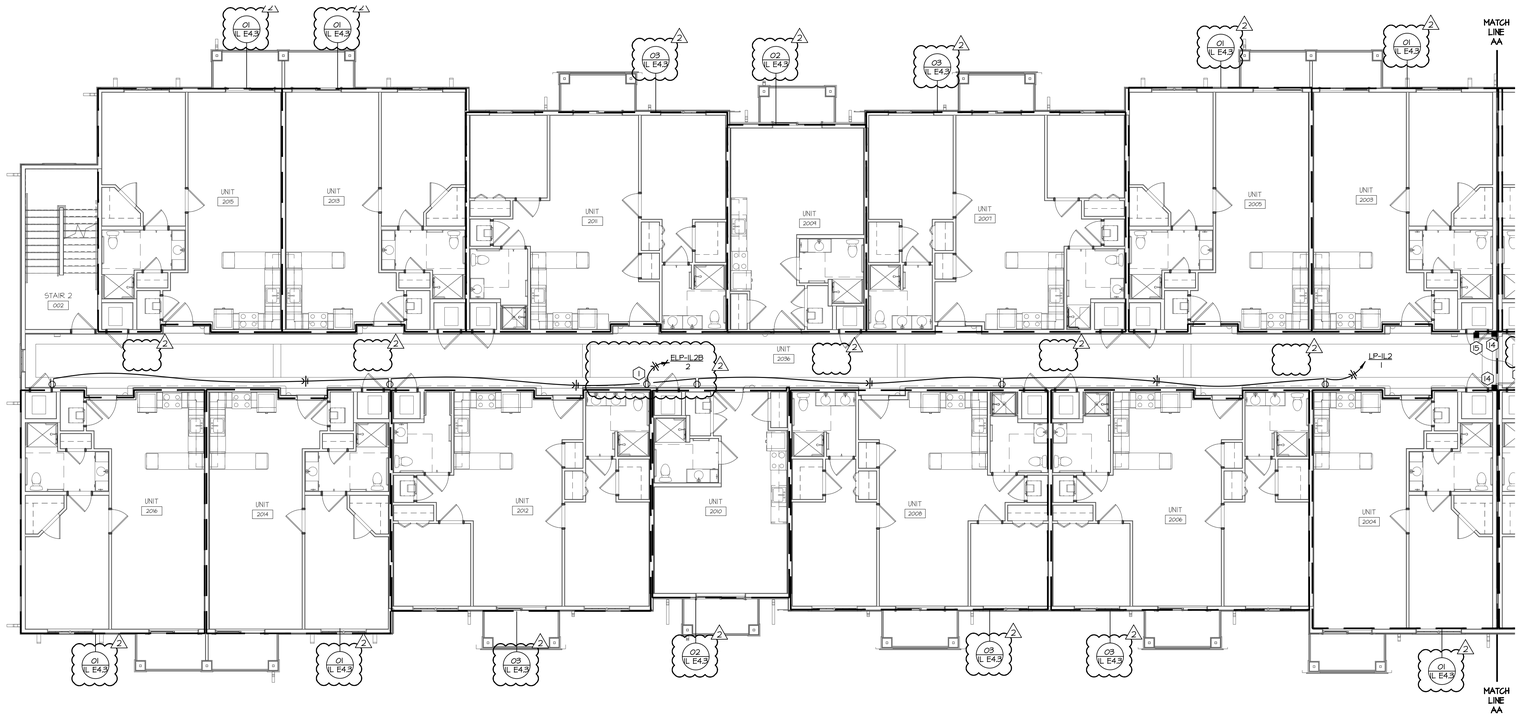



01 2ND FLOOR AREA C - POWER

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

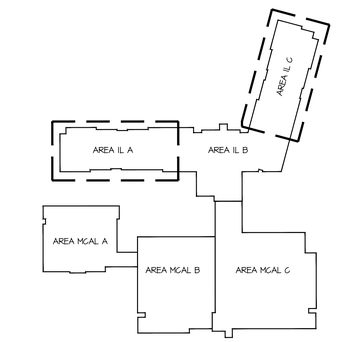
NORTH




02 2ND FLOOR AREA A - POWER

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFERENCE SHEET IL E2.1 FOR POWER GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
2. PROVIDE 15/32"X48" FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE T5' SHEETS FOR BOARD WIDTH. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. COORDINATE EXACT CONNECTION WITH SERVICE PROVIDER.
3. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
4. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#12's &#12G IN 3/4"C.
5. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (4)#6's &#10G IN 3/4"C.
6. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#6's &#10G IN 3/4"C.
7. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10's &#10G IN 3/4"C.
8. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#12's &#12G IN 3/4"C.
9. PROVIDE 60A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
10. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
11. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#4's &#10G IN 1"C.
12. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
13. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
14. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
15. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA A & C
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E2.4

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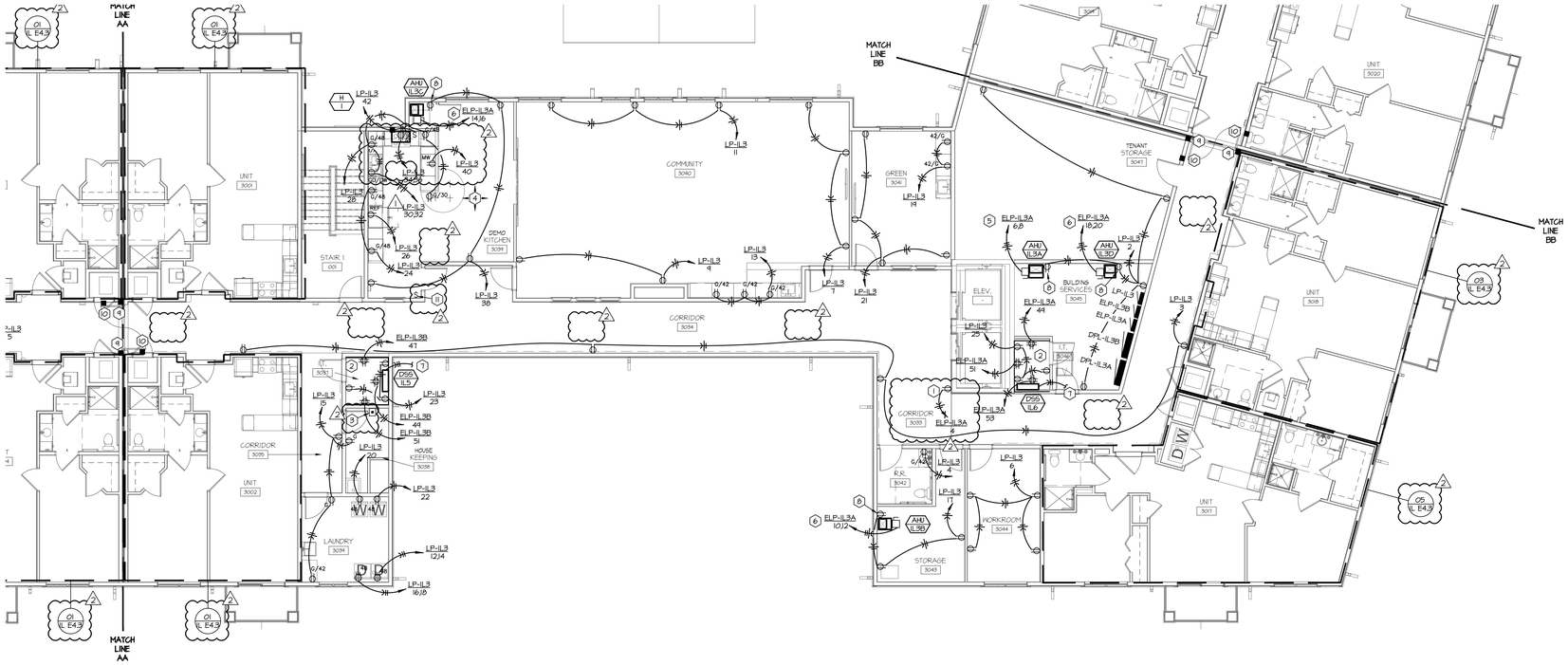
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/30/19

## GENERAL NOTES:

A. REFERENCE SHEET IL E2.1 FOR POWER GENERAL NOTES.

## PLAN NOTES:

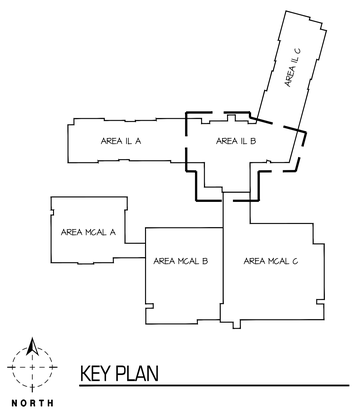
1. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
2. PROVIDE 15/32"X48" FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE TS1 SHEETS FOR BOARD WIDTH. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. COORDINATE EXACT CONNECTION WITH SERVICE PROVIDER.
3. MASTER SHUT DOWN SWITCH FOR DEMO KITCHEN 3034. REFERENCE ELECTRICAL DETAILS FOR MORE INFORMATION. COORDINATE SHUT-OFF LOCATION WITH OWNER PRIOR TO ROUGH-IN. LOCATION SHALL ONLY BE ACCESSIBLE BY STAFF.
4. PROVIDE ALL NECESSARY POWER CONNECTIONS TO CCTV TV SYSTEM. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH LOW VOLTAGE DRAWINGS.
5. PROVIDE 100A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#1/0 & #8G IN 1-1/2"C.
6. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's & #10G IN 3/4"C.
7. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
8. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
9. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
10. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
11. PROVIDE 120V, SPRING MOUND, INTERVAL TIMER SWITCH CAPABLE OF A MAXIMUM OF 120 MINUTES. REFERENCE DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION.




## 01 3RD FLOOR AREA B - POWER

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

NORTH




KEY PLAN

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD SUITE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA B
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1. ADDENDUM #1 - 6/5/2019
2. CITY COMMENTS - 7/15/2019
3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

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E2.5

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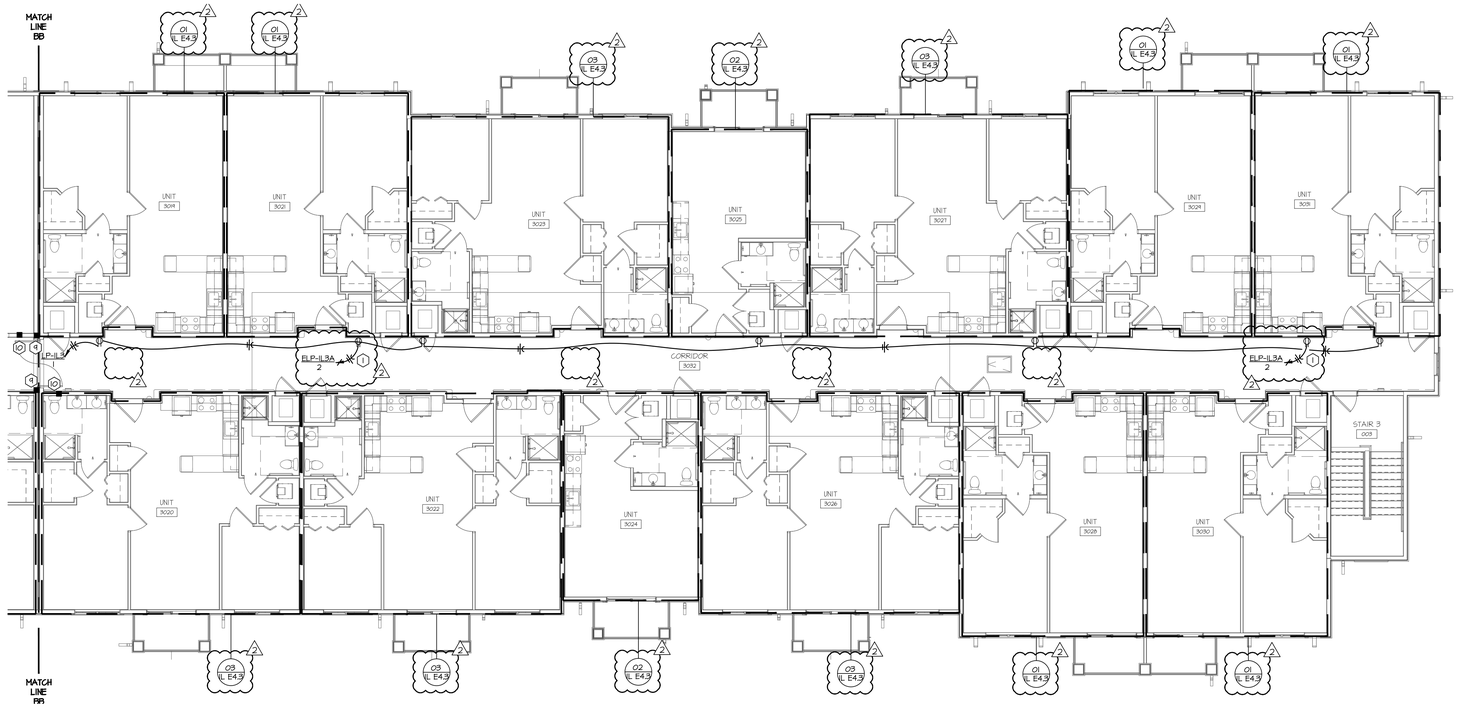
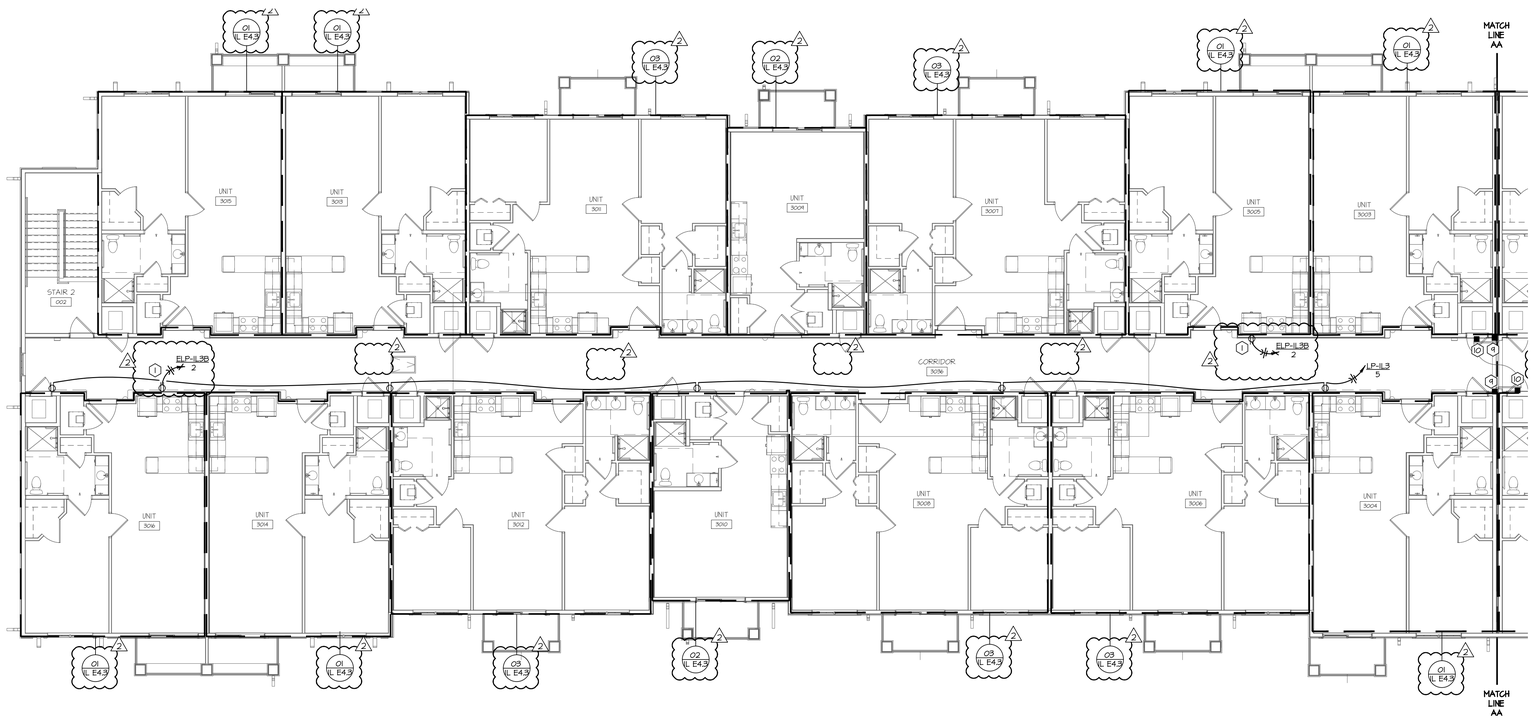



01 3RD FLOOR AREA C - POWER

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

NORTH




02 3RD FLOOR AREA A - POWER

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

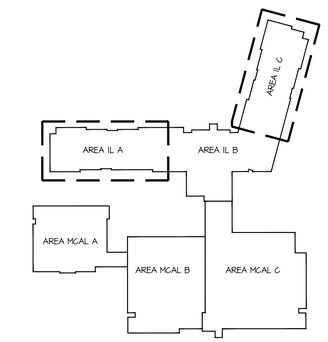
NORTH

## GENERAL NOTES:

A. REFERENCE SHEET IL E2.1 FOR POWER GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE RECEPTACLE FOR POWER CONNECTION TO NURSE CALL LOCATOR AND INSTALL 6" BELOW SOFFIT CEILING. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE SYSTEM PROVIDER.
2. PROVIDE 15/32"X48" FIRE TREATED PLYWOOD PHONE BOARD. REFERENCE TS' SHEETS FOR BOARD WIDTH. PROVIDE GROUNDING BUS AND CONNECT TO SYSTEM GROUND. COORDINATE EXACT CONNECTION WITH SERVICE PROVIDER.
3. MASTER SHUT DOWN SWITCH FOR DEMO KITCHEN 3034. REFERENCE ELECTRICAL DETAILS FOR MORE INFORMATION. COORDINATE SHUT-OFF LOCATION WITH OWNER PRIOR TO ROUGH-IN. LOCATION SHALL ONLY BE ACCESSIBLE BY STAFF.
4. PROVIDE ALL NECESSARY POWER CONNECTIONS TO CCTV TV SYSTEM. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH LOW VOLTAGE DRAWINGS.
5. PROVIDE 100A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#1/0 & #8G IN 1-1/2"C.
6. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#8's & #10G IN 3/4"C.
7. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
8. PROVIDE RECEPTACLE FOR ATMOSAIR IONIZER. INTERLOCK RECEPTACLE WITH MANUFACTURER PROVIDED AIR SWITCH SO THAT UNIT IS ACTIVATED WHEN AIR HANDLER TURNS ON. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURE PRIOR TO INSTALLATION.
9. PROVIDE AN IMC APPROVED SMOKE DETECTOR ACTIVATION METHOD FOR FIRE/SMOKE DAMPERS. PROVIDE ALL WORK AND REQUIRED DEVICES TO CLOSE DAMPERS UPON DETECTION OF SMOKE. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
10. PROVIDE ALL NECESSARY POWER CONNECTIONS TO MAGNETIC DOOR HOLDS. REFERENCE PANEL SCHEDULES FOR CIRCUIT NUMBER.
11. PROVIDE 120V, SPRING MOUND, INTERVAL TIMER SWITCH CAPABLE OF A MAXIMUM OF 120 MINUTES. REFERENCE DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION.




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA A & C
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E2.6

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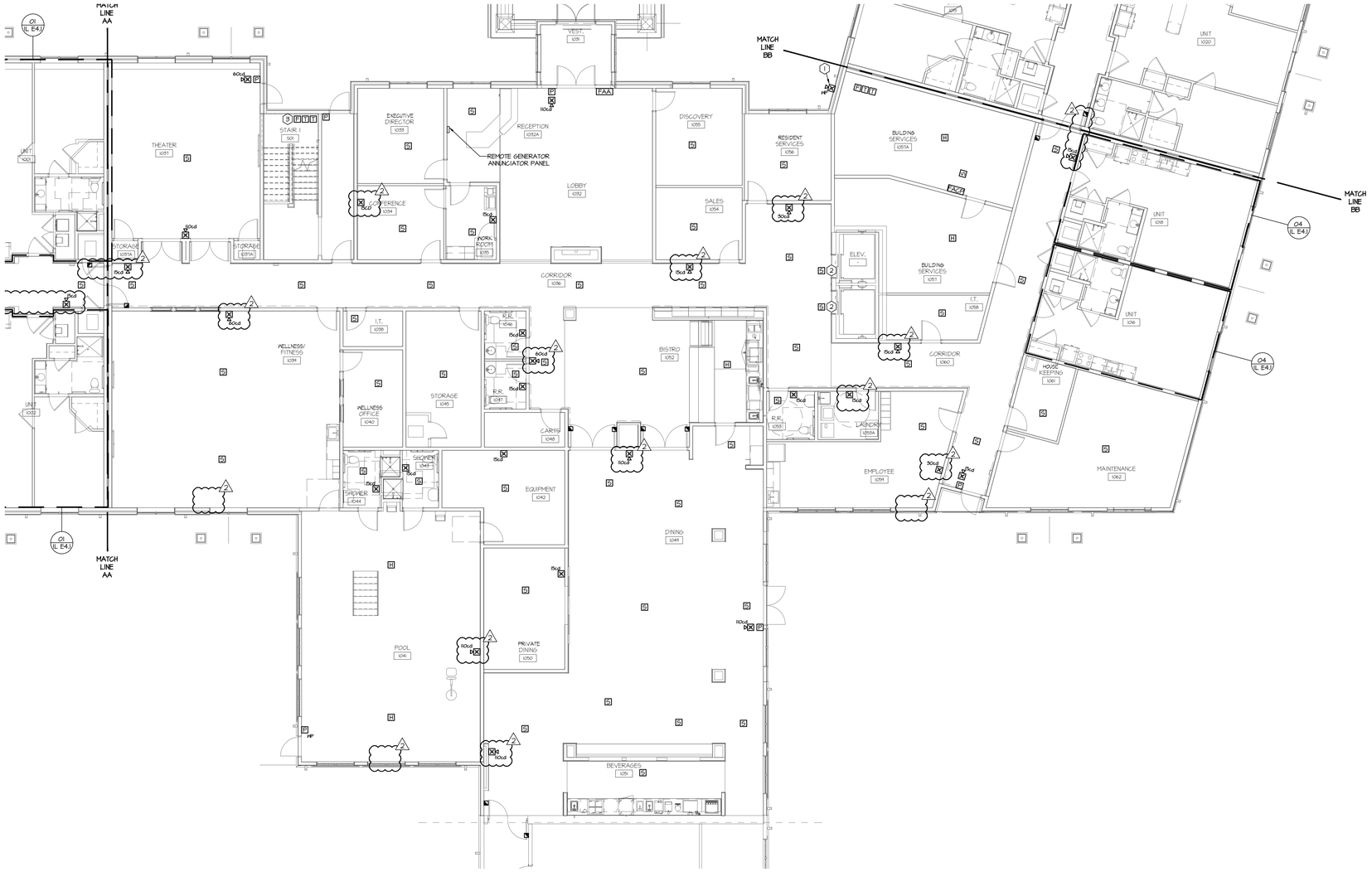



01 1ST FLOOR AREA B - SPECIAL SYSTEMS

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

NORTH

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.

C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL DRAWINGS.

D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.

F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.

H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.

I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.

J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.

K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL PANELS.

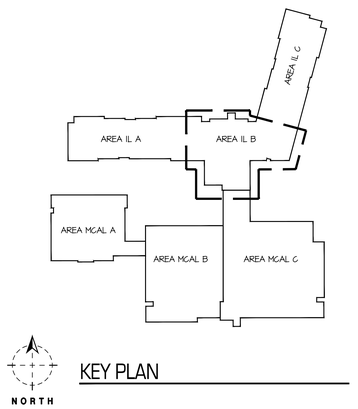
L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

M. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

N. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

## PLAN NOTES:

1. PROVIDE EXTERIOR, BUILDING MOUNTED, WEATHER PROOF COMBINATION AUDIBLE/VISUAL ALARM FOR FIRE DEPARTMENT NOTIFICATION NEAR SIAMESE CONNECTION. COORDINATE EXACT LOCATION WITH FIRE DEPARTMENT.
2. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL AT EACH ELEVATOR DOOR AS SHOWN.
3. VERIFY WITH FIRE PROTECTION CONTRACTOR IF STANDPIPES ARE UTILIZED AS FIRE PROTECTION RISERS. IF UTILIZED, THEN PROVIDE FLOW AND TAMPER SWITCHES AT EACH STANDPIPE ON EACH FLOOR.




KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA B
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E3.1

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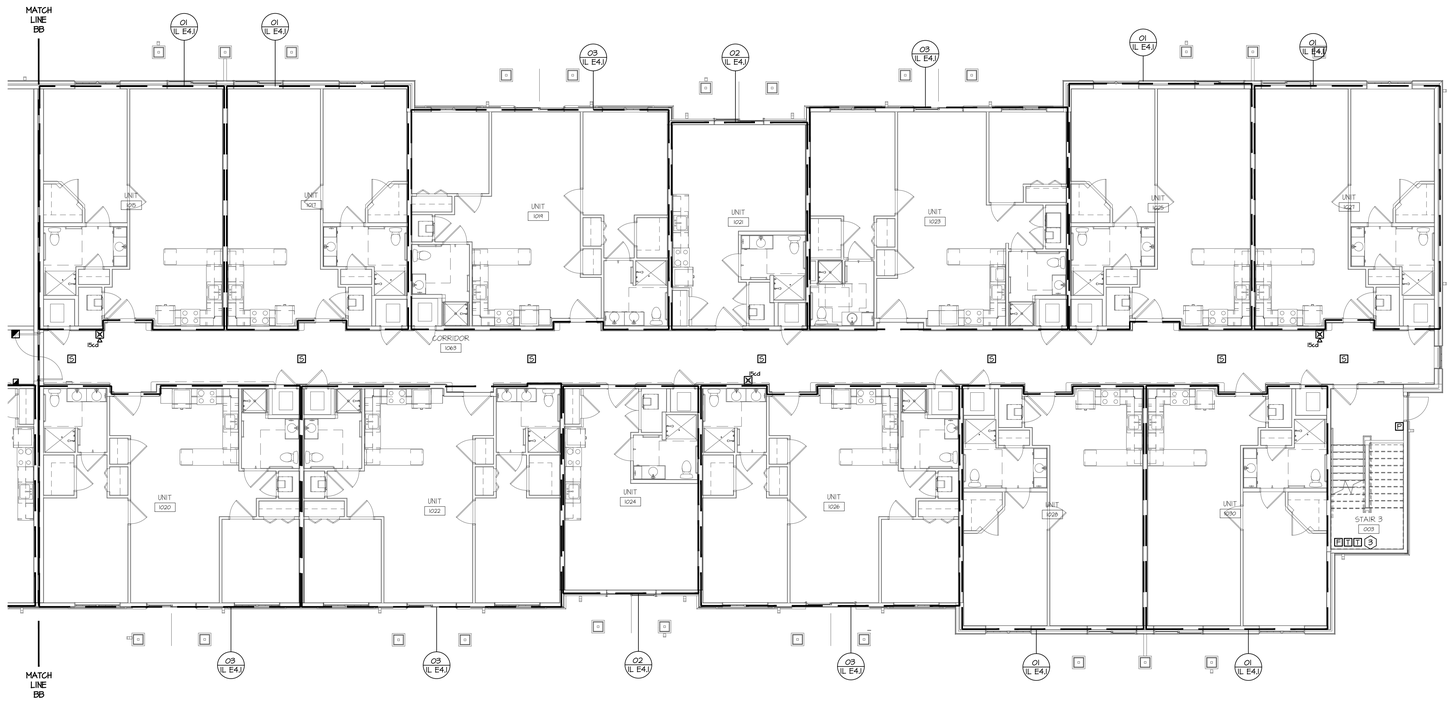
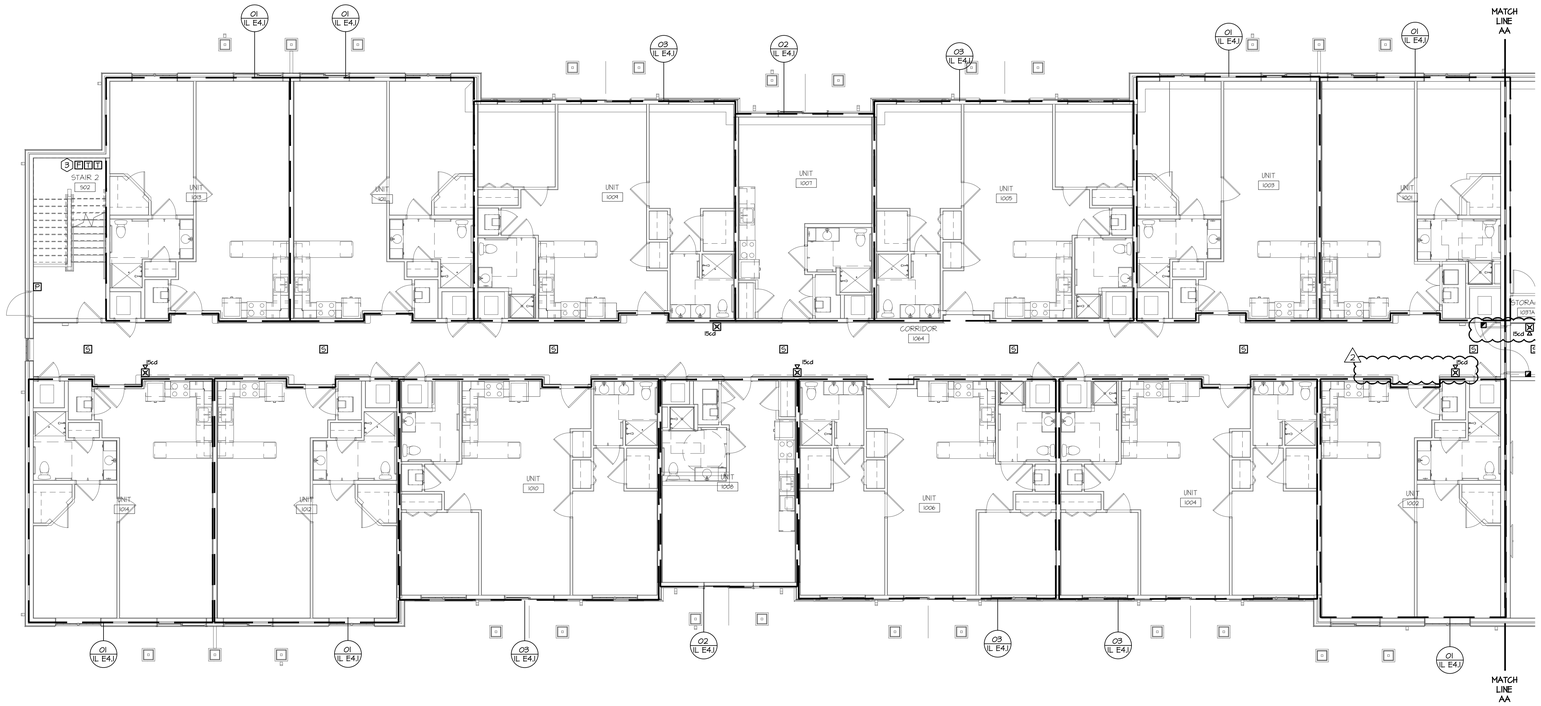



01 1ST FLOOR AREA C - SPECIAL SYSTEMS

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

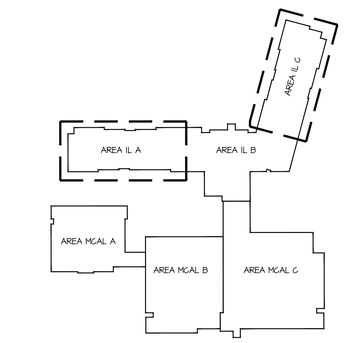
NORTH




02 1ST FLOOR AREA A - SPECIAL SYSTEMS

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

NORTH




NORTH

KEY PLAN

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M. PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.

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3. VERIFY WITH FIRE PROTECTION CONTRACTOR IF STANDPIPES ARE UTILIZED AS FIRE PROTECTION RISERS. IF UTILIZED, THEN PROVIDE FLOW AND TAMPER SWITCHES AT EACH STANDPIPE ON EACH FLOOR.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
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H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
AREA A & C
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E3.2

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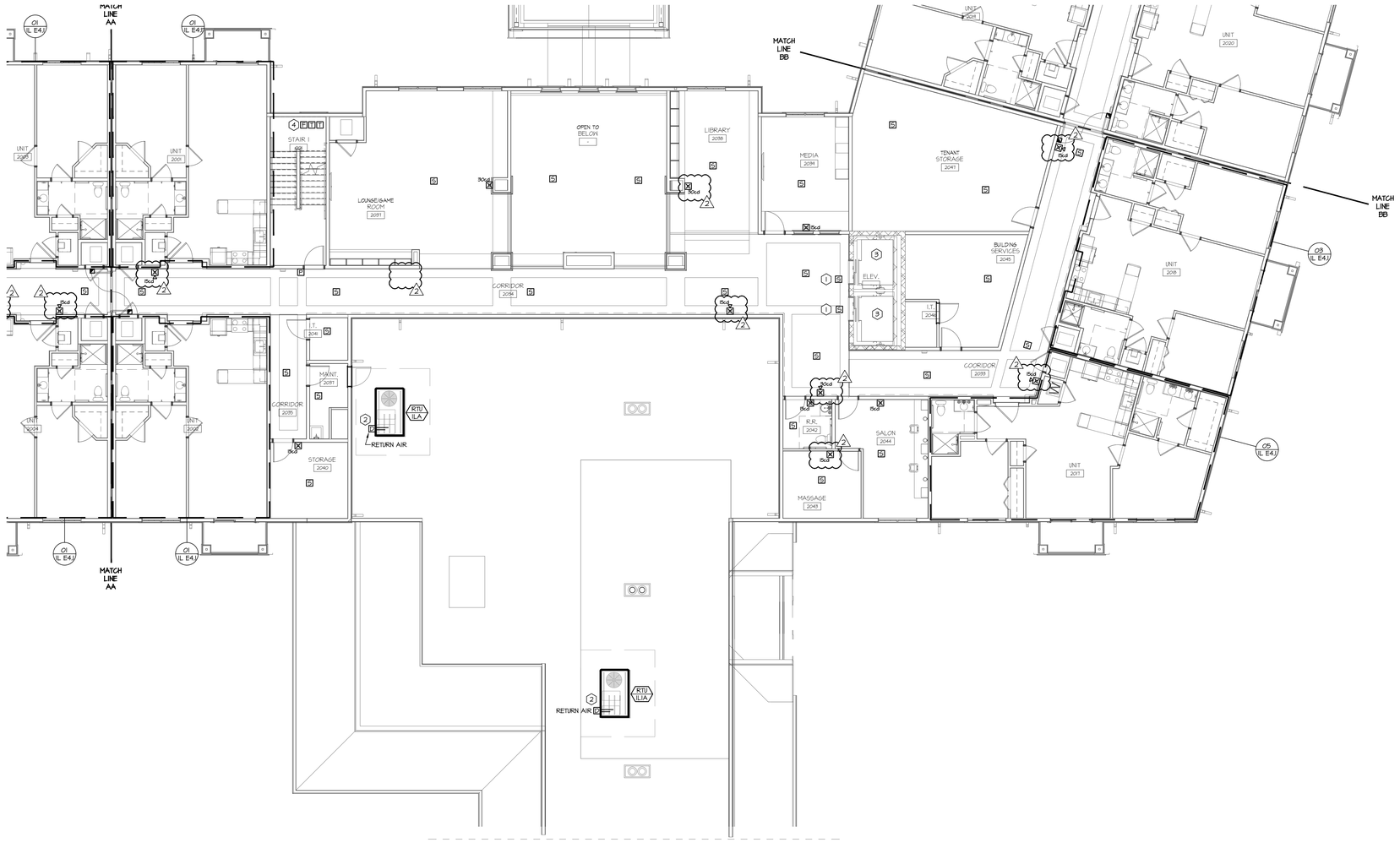
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

## GENERAL NOTES:

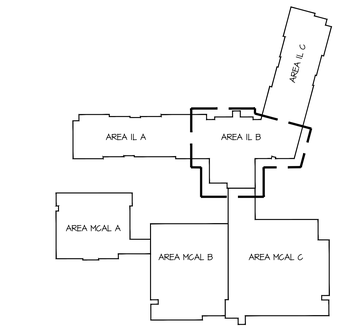
A. REFERENCE SHEET IL E3.1 FOR SPECIAL SYSTEMS GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL AT EACH ELEVATOR DOOR AS SHOWN.
2. PROVIDE DUCT SMOKE DETECTOR IN RETURN AIR PATH, INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.
3. EXTEND ELEVATOR PHONE LINE TO PHONE OUTLET LOCATED AT 2ND FLOOR LANDING. COORDINATE LOCATION OF PHONE OUTLET AND PROVIDE CONNECTION TO THE ELEVATOR SYSTEM PER MANUFACTURER'S INSTRUCTIONS.
4. VERIFY WITH FIRE PROTECTION CONTRACTOR IF STANDPIPES ARE UTILIZED AS FIRE PROTECTION RISERS, IF UTILIZED, THEN PROVIDE FLOW AND TAMPER SWITCHES AT EACH STANDPIPE ON EACH FLOOR.




01 2ND FLOOR AREA B - SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"




KEY PLAN

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

HOSS & BROWN ENGINEERS
11205 West 79th Street
Lenexa, Kansas 66214
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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

8/10/19

SECOND FLOOR
AREA B
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E3.3

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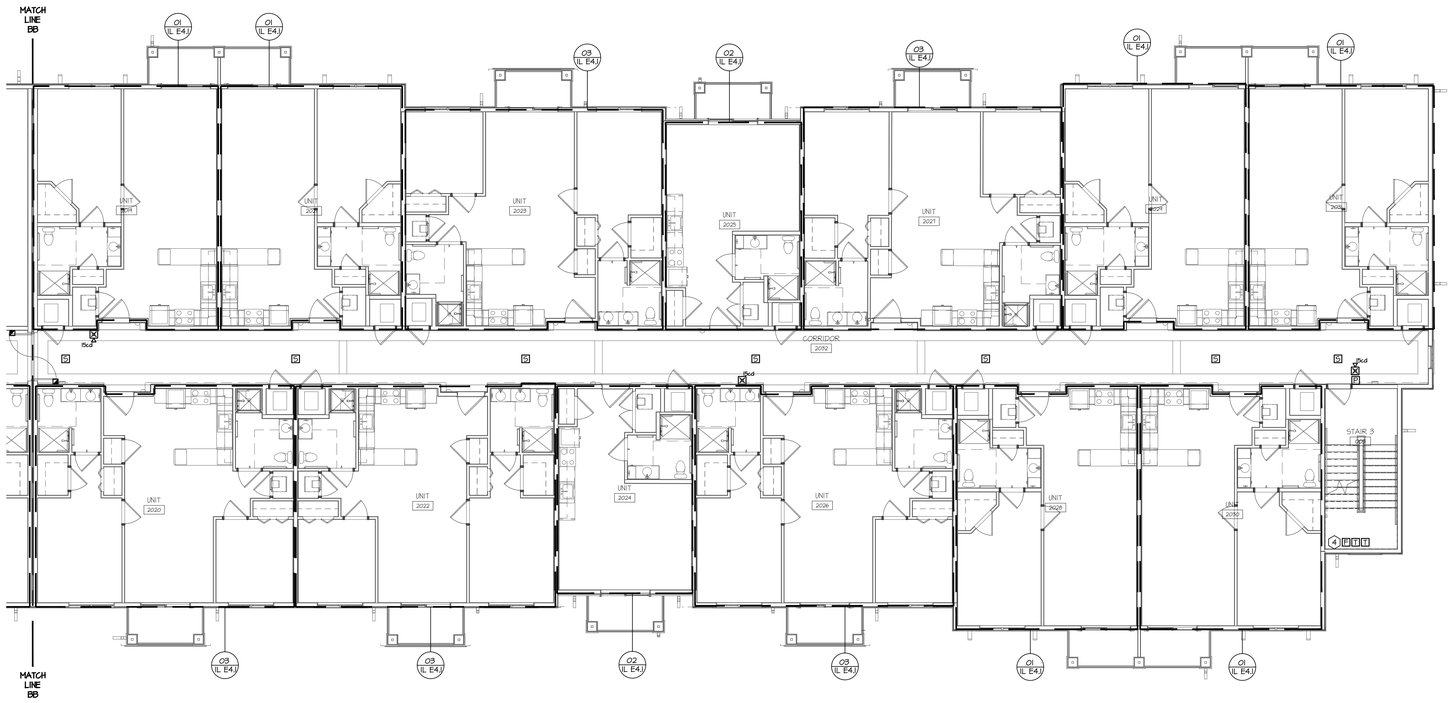
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

## GENERAL NOTES:

A. REFERENCE SHEET IL E3.1 FOR SPECIAL SYSTEMS GENERAL NOTES.

## PLAN NOTES:

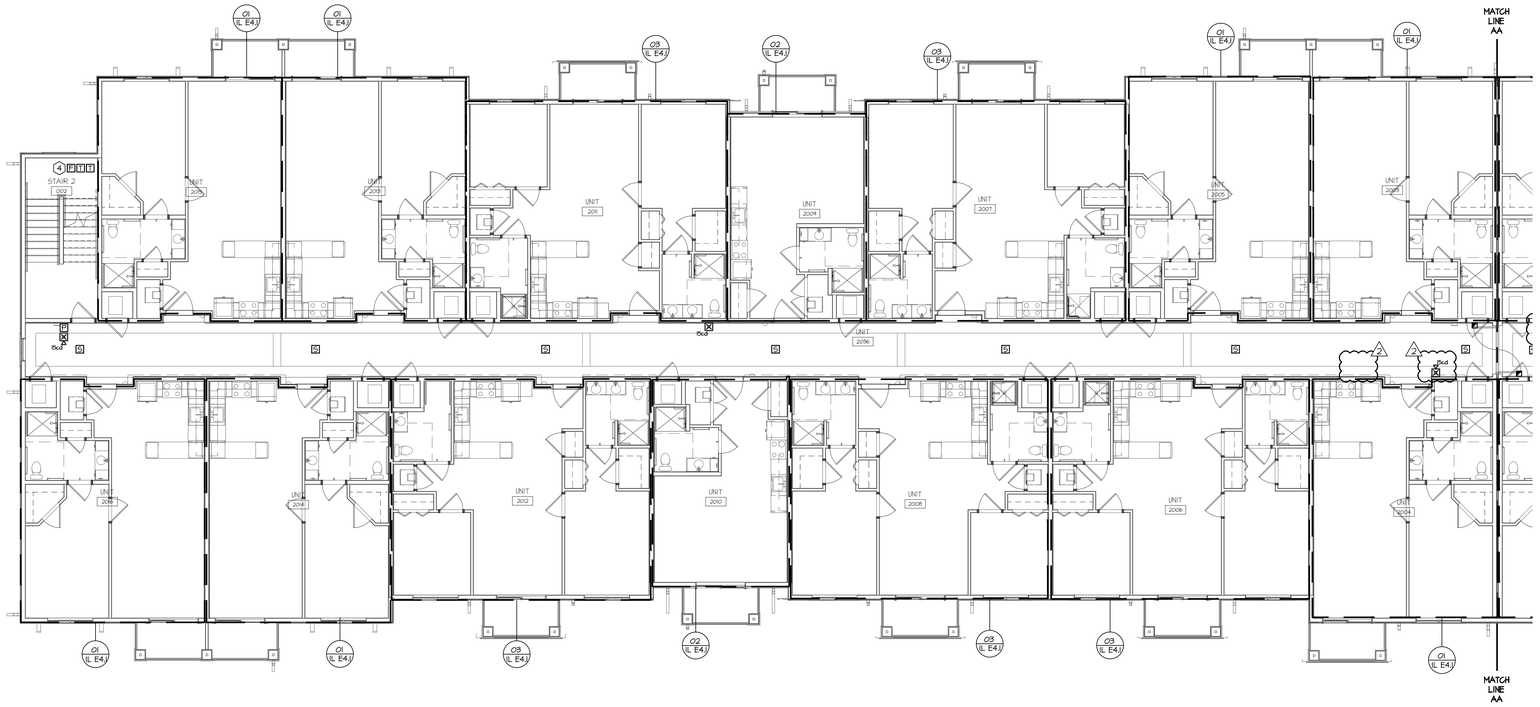
1. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL AT EACH ELEVATOR DOOR AS SHOWN.
2. PROVIDE DUCT SMOKE DETECTOR IN RETURN AIR PATH, INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION. PROVIDE AUDIO/VISUAL DEVICE IN OCCUPIED SPACE AND INTERFACE WITH DUCT DETECTOR FOR NOTIFICATION AND RESET CAPABILITY. COORDINATE EXACT LOCATION OF NOTIFICATION DEVICE WITH ARCHITECT PRIOR TO INSTALLATION.
3. EXTEND ELEVATOR PHONE LINE TO PHONE OUTLET LOCATED AT 2ND FLOOR LANDING. COORDINATE LOCATION OF PHONE OUTLET AND PROVIDE CONNECTION TO THE ELEVATOR SYSTEM PER MANUFACTURER'S INSTRUCTIONS.
4. VERIFY WITH FIRE PROTECTION CONTRACTOR IF STANDPIPES ARE UTILIZED AS FIRE PROTECTION RISERS, IF UTILIZED, THEN PROVIDE FLOW AND TAMPER SWITCHES AT EACH STANDPIPE ON EACH FLOOR.




# 01 2ND FLOOR AREA C - SPECIAL SYSTEMS

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

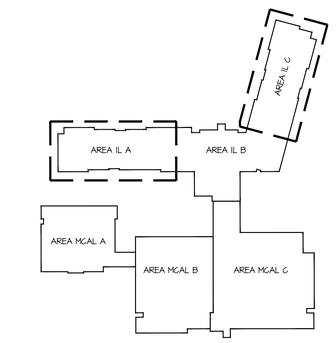
NORTH




# 02 2ND FLOOR AREA A - SPECIAL SYSTEMS

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

NORTH




NORTH

KEY PLAN

SWD ARCHITECTS
EST 1935

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SECOND FLOOR
AREA A & C
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

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E3.4

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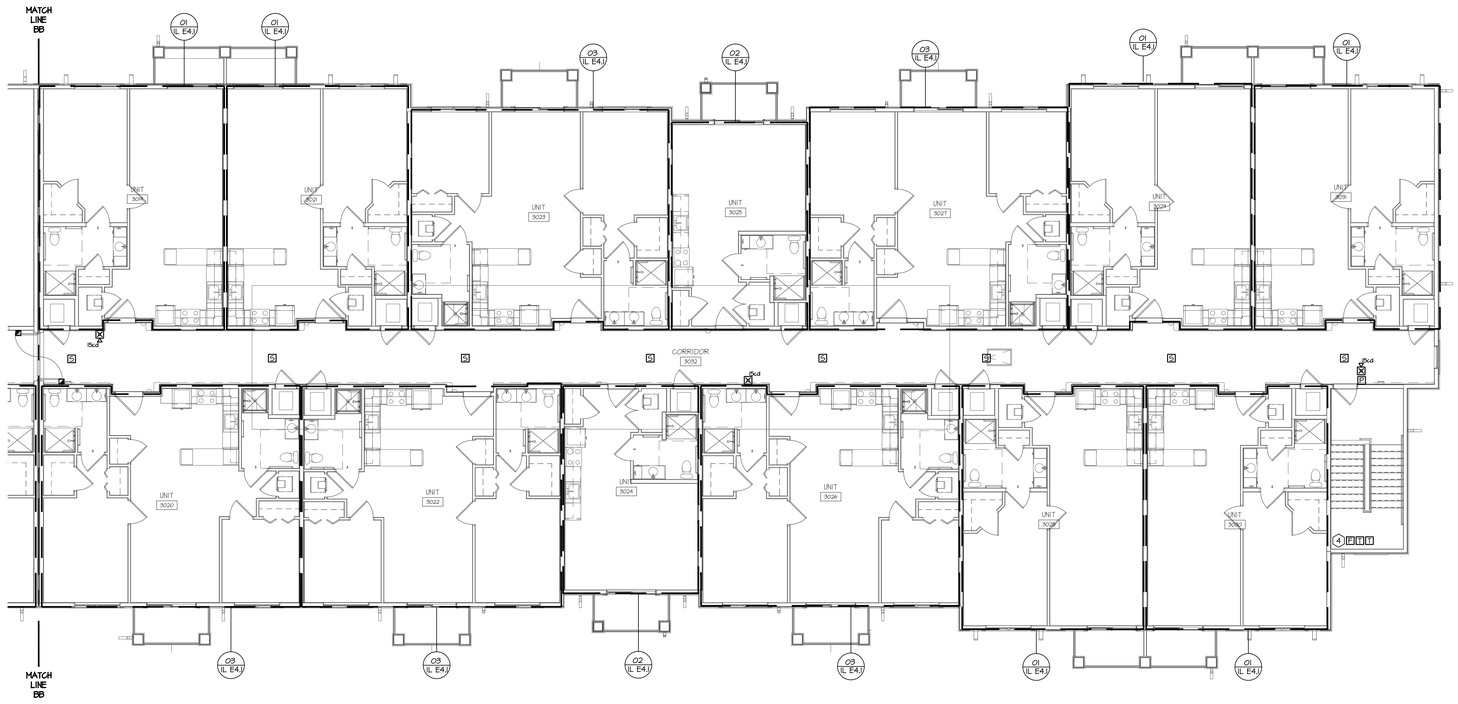
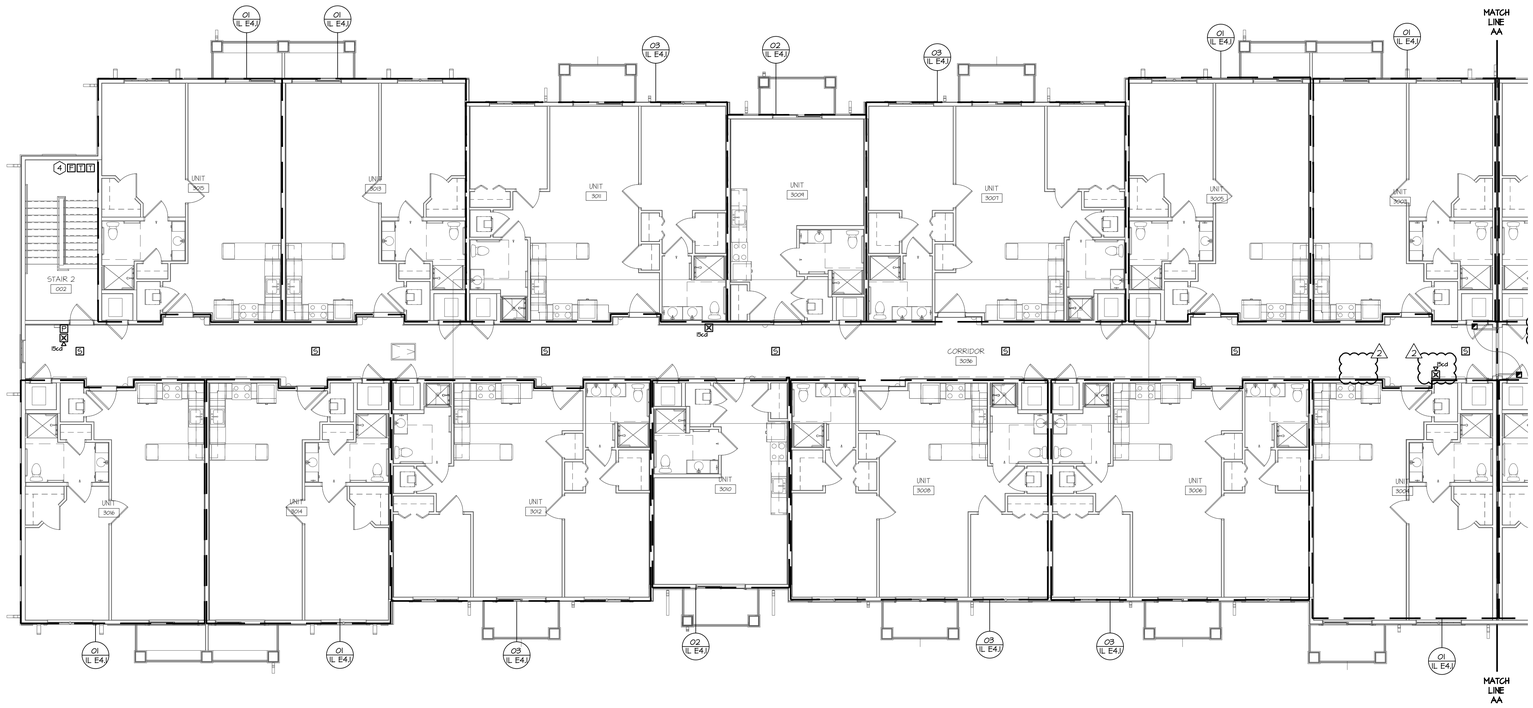



01 3RD FLOOR AREA C -SPECIAL SYSTEMS

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

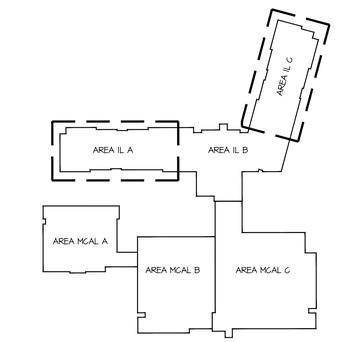
NORTH




02 3RD FLOOR AREA A - SPECIAL SYSTEMS

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

NORTH




NORTH

KEY PLAN

## GENERAL NOTES:

A. REFERENCE SHEET IL E3.1 FOR SPECIAL SYSTEMS GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL AT EACH ELEVATOR DOOR AS SHOWN.
2. PROVIDE A FLOW SWITCH IN THE BRANCH SPRINKLER LINE SERVING ELEVATOR HOISTWAY. CONNECT INDICATOR TO ADJACENT RELAY AND INTERLOCK WITH SHUNT TRIP BREAKER TO DISCONNECT MAIN ELEVATOR POWER IF FLOW IS DETECTED.
3. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL IN ELEVATOR HOISTWAY.
4. PROVIDE A HEAT DETECTOR ROUTED TO THE SHUNT TRIP BREAKER SERVING THE ELEVATOR TO DISCONNECT MAIN ELEVATOR POWER IN THE EVENT OF AN ALARM. HEAT DETECTOR SHALL BE LOCATED WITHIN 2'-0" OF EACH SPRINKLER HEAD SERVING THE HOISTWAY.
5. EXTEND ELEVATOR PHONE LINE TO PHONE OUTLET LOCATED AT 2ND FLOOR LANDING. COORDINATE LOCATION OF PHONE OUTLET AND PROVIDE CONNECTION TO THE ELEVATOR SYSTEM PER MANUFACTURER'S INSTRUCTIONS.
6. INTERLOCK FIRE DAMPER WITH SMOKE AND HEAT DETECTOR IN ELEVATOR HOISTWAY.
7. PROVIDE JUNCTION BOX AND ¾" CONDUIT TO MANUAL PULL STATION. ELECTRICAL CONTRACTOR TO INSTALL EQUIPMENT PROVIDED BY OTHERS. PULL STATION SHALL BE CONNECTED TO KITCHEN RANGE HOOD AND SHALL ACTIVATE HOOD FIRE SUPPRESSION SYSTEM.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/08/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA A & C
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E3.6

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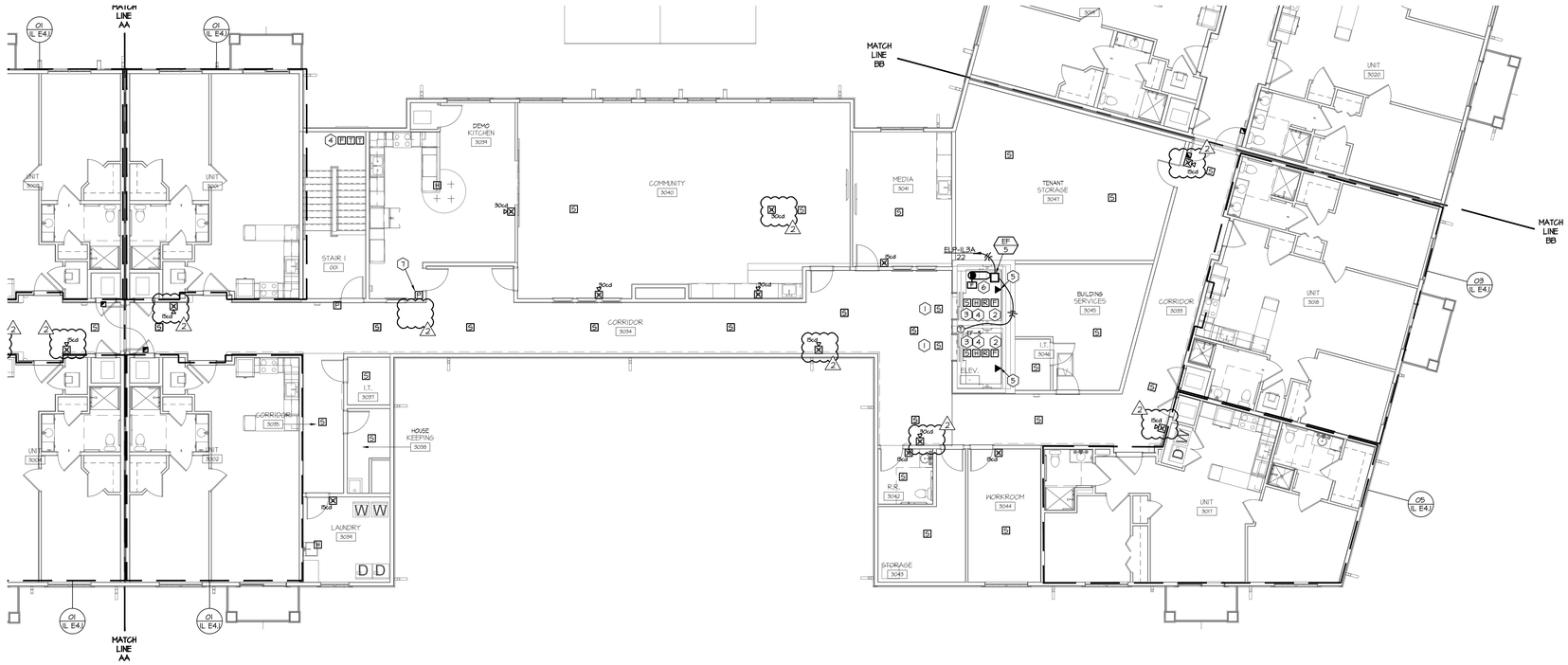



## GENERAL NOTES:

A. REFERENCE SHEET IL E3.1 FOR SPECIAL SYSTEMS GENERAL NOTES.

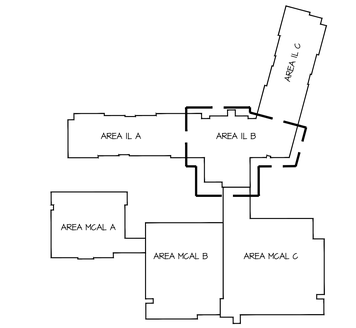
## PLAN NOTES:

1. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL AT EACH ELEVATOR DOOR AS SHOWN.
2. PROVIDE A FLOW SWITCH IN THE BRANCH SPRINKLER LINE SERVING ELEVATOR HOISTWAY. CONNECT INDICATOR TO ADJACENT RELAY AND INTERLOCK WITH SHUNT TRIP BREAKER TO DISCONNECT MAIN ELEVATOR POWER IF FLOW IS DETECTED.
3. PROVIDE SMOKE DETECTOR FOR THE PURPOSE OF ELEVATOR RECALL IN ELEVATOR HOISTWAY.
4. PROVIDE A HEAT DETECTOR ROUTED TO THE SHUNT TRIP BREAKER SERVING THE ELEVATOR TO DISCONNECT MAIN ELEVATOR POWER IN THE EVENT OF AN ALARM. HEAT DETECTOR SHALL BE LOCATED WITHIN 2'-0" OF EACH SPRINKLER HEAD SERVING THE HOISTWAY.
5. EXTEND ELEVATOR PHONE LINE TO PHONE OUTLET LOCATED AT 2ND FLOOR LANDING. COORDINATE LOCATION OF PHONE OUTLET AND PROVIDE CONNECTION TO THE ELEVATOR SYSTEM PER MANUFACTURER'S INSTRUCTIONS.
6. INTERLOCK FIRE DAMPER WITH SMOKE AND HEAT DETECTOR IN ELEVATOR HOISTWAY.
7. PROVIDE JUNCTION BOX AND ¾" CONDUIT TO MANUAL PULL STATION. ELECTRICAL CONTRACTOR TO INSTALL EQUIPMENT PROVIDED BY OTHERS. PULL STATION SHALL BE CONNECTED TO KITCHEN RANGE HOOD AND SHALL ACTIVATE HOOD FIRE SUPPRESSION SYSTEM.

01 3RD FLOOR AREA B - SPECIAL SYSTEMS

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

NORTH




NORTH

KEY PLAN

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/30/19

SWD ARCHITECTS
EST 1935

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# LEE'S SUMMIT SENIOR COMMUNITY

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SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

THIRD FLOOR
AREA B
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

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5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E3.5

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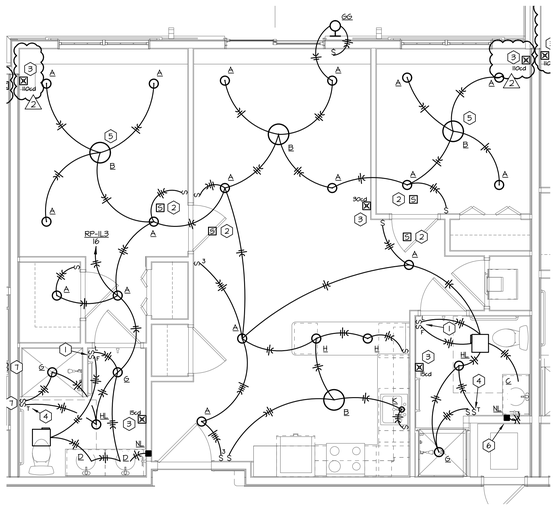
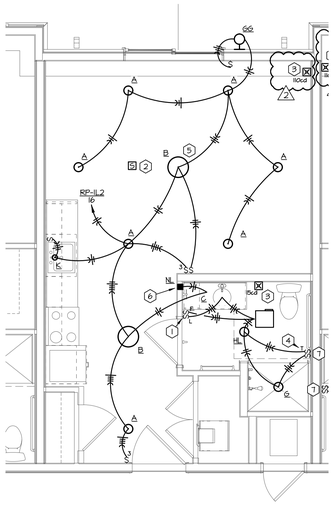
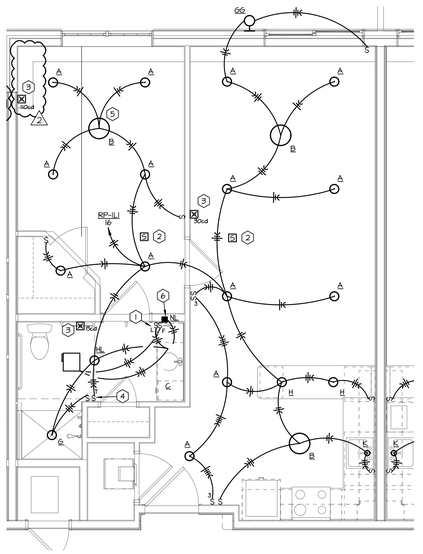


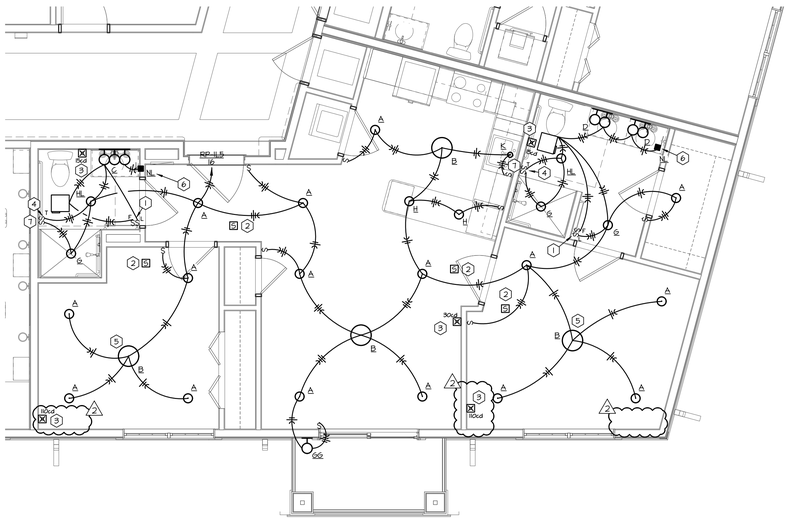
03 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



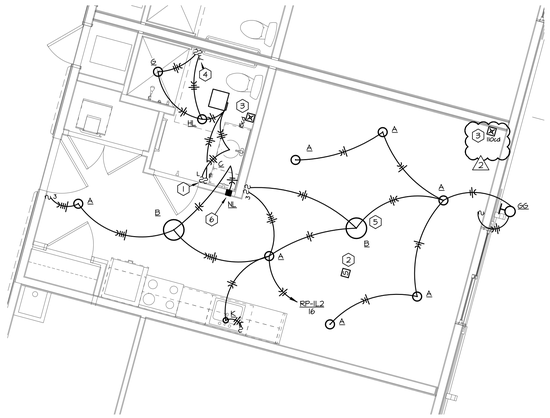
02 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL STUDIO
SCALE: 1/4" = 1'-0"



01 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 1 BEDROOM
SCALE: 1/4" = 1'-0"



05 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



04 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 1 STUDIO
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

A. ALL SWITCHES AND RECEPTACLES LOCATED IN ADA UNITS SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS.

B. REFERENCE SHEET IL E0.1 FOR ADDITIONAL LIGHTING GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE SWITCH FOR OVERHEAD LIGHT/VANITY LIGHT AND A SEPARATE SWITCH FOR EXHAUST FAN.
2. PROVIDE ADDRESSABLE SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER BASE.
3. PROVIDE FIRE ALARM VISUAL DEVICE IN EACH ADA UNIT. PROVIDE PROVISIONS TO ADD A FIRE ALARM VISUAL DEVICE IN ALL OTHER UNITS IN THIS LOCATION.
4. PROVIDE PUSH BUTTON TIMER FOR HEAT LAMP SET AT 10 MINUTES.
5. PROVIDE BRACKET AND ROUGH-IN FOR FUTURE CEILING FAN. PROVIDE WALL MOUNTED CONTROLLER.
6. PROVIDE 2-GANG JUNCTION BOX TO HOUSE BOTH NIGHT LIGHT AND GFCI RECEPTACLE.
7. COORDINATE SWITCH LOCATION WITH GRAB BARS/TOWEL RACKS.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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# LEE'S SUMMIT SENIOR COMMUNITY

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LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
LIGHTING & SPECIAL
SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
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3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E4.1

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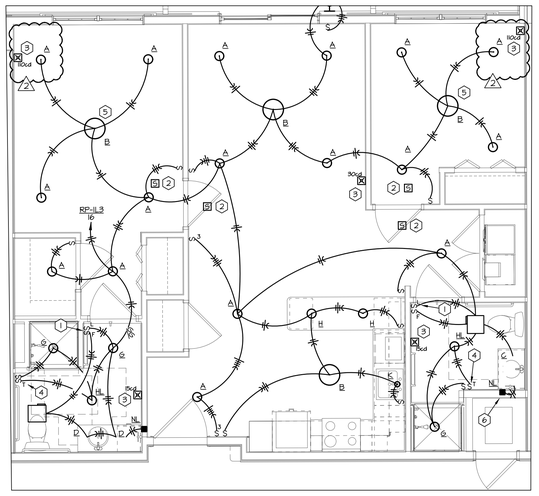
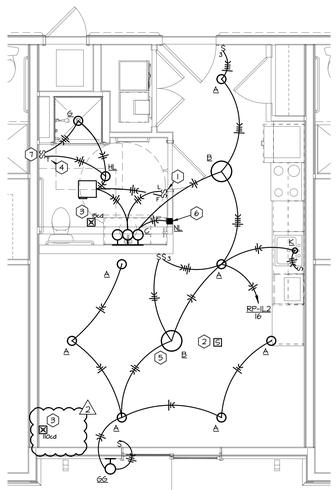


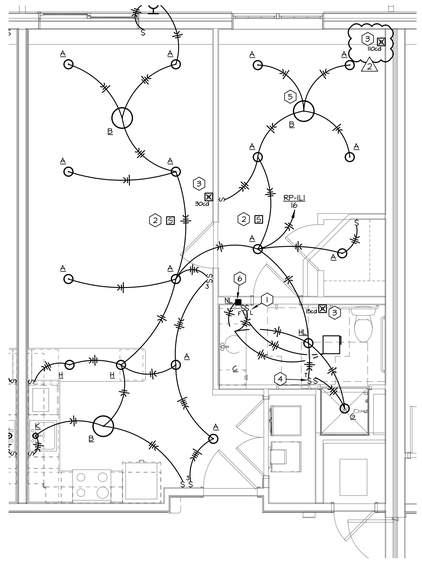
## 03 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 2 BEDROOM - ADA

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



## 02 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL STUDIO - ADA

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



## 01 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 1 BEDROOM - ADA

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

### GENERAL NOTES:

A. ALL SWITCHES AND RECEPTACLES LOCATED IN ADA UNITS SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS.

B. REFERENCE SHEET IL E0.1 FOR ADDITIONAL LIGHTING GENERAL NOTES.

### PLAN NOTES:

1. PROVIDE SWITCH FOR OVERHEAD LIGHT/VANITY LIGHT AND A SEPARATE SWITCH FOR EXHAUST FAN.
2. PROVIDE ADDRESSABLE SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER BASE.
3. PROVIDE FIRE ALARM VISUAL DEVICE IN EACH ADA UNIT. PROVIDE PROVISIONS TO ADD A FIRE ALARM VISUAL DEVICE IN ALL OTHER UNITS IN THIS LOCATION.
4. PROVIDE PUSH BUTTON TIMER FOR HEAT LAMP SET AT 10 MINUTES.
5. PROVIDE BRACKET AND ROUGH-IN FOR FUTURE CEILING FAN. PROVIDE WALL MOUNTED CONTROLLER.
6. PROVIDE 2-GANG JUNCTION BOX TO HOUSE BOTH NIGHT LIGHT AND GFCI RECEPTACLE.
7. COORDINATE SWITCH LOCATION WITH GRAB BARS/TOWEL RACKS.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19


SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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# LEE'S SUMMIT SENIOR COMMUNITY

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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI


STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978


SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
LIGHTING & SPECIAL
SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
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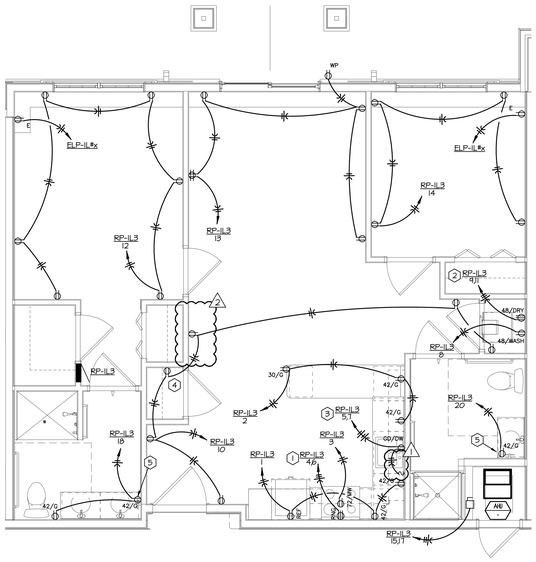
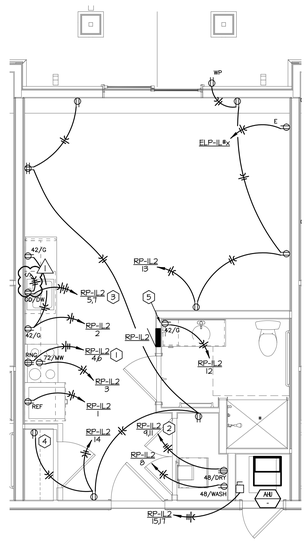
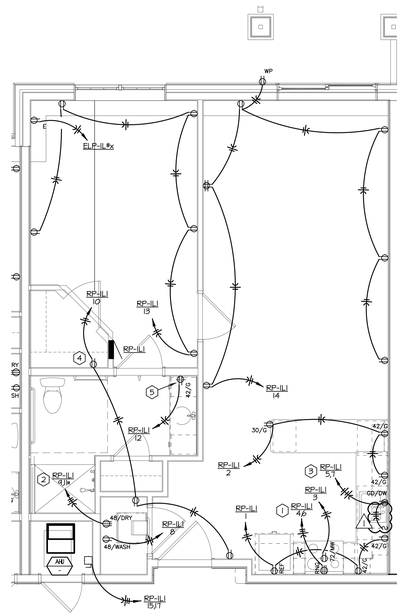


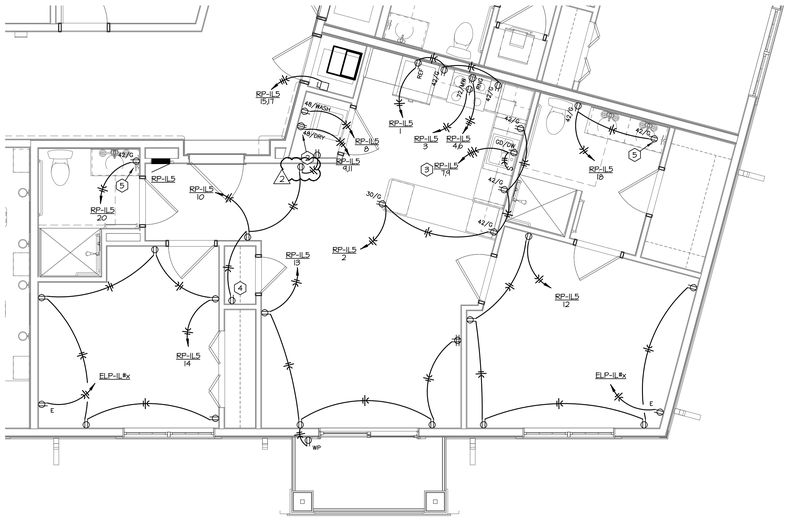

03 ENLARGED PLAN POWER - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



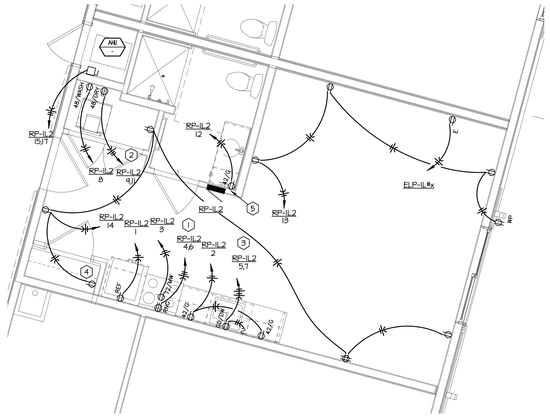

02 ENLARGED PLAN POWER - IL STUDIO
SCALE: 1/4" = 1'-0"




01 ENLARGED PLAN POWER - IL 1 BEDROOM
SCALE: 1/4" = 1'-0"




05 ENLARGED PLAN POWER - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"




04 ENLARGED PLAN POWER - IL 1 STUDIO
SCALE: 1/4" = 1'-0"

## GENERAL NOTES:

A. ALL SWITCHES AND RECEPTACLES LOCATED IN ADA UNITS SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS.

B. REFERENCE SHEET IL E2.1 FOR ADDITIONAL POWER GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE A NEMA 14-50 RECEPTACLE AND HOMERUN WITH (3)#6 & #10 GROUND WIRE IN A 3/4" CONDUIT.
2. PROVIDE A NEMA 14-30 RECEPTACLE AND HOMERUN WITH (3)#10 & #10 GROUND WIRE IN A 3/4" CONDUIT.
3. PROVIDE RECEPTACLE BELOW SINK FOR GARBAGE DISPOSAL AND DISHWASHER AND SWITCH ABOVE COUNTER FOR GARBAGE DISPOSAL. SWITCH TOP HALF OF RECEPTACLE TO CONTROL GARBAGE DISPOSAL.
4. INSTALL NEW RECEPTACLE ABOVE CLOSET SHELF FOR LOW VOLTAGE.
5. PROVIDE 2-GANG JUNCTION BOX TO HOUSE BOTH GFCI RECEPTACLE AND NIGHT LIGHT.
6. PROVIDE FAN AND LIGHT SWITCH FOR ADA KITCHEN EXHAUST HOOD.
7. PROVIDE RECEPTACLE BELOW SINK FOR GARBAGE DISPOSAL AND DISHWASHER. PROVIDE SURFACE MOUNTED TOGGLE SWITCH BELOW SINK FOR GARBAGE DISPOSAL IN ADA UNITS. SWITCH TOP HALF OF RECEPTACLES TO CONTROL GARBAGE DISPOSAL.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
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PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
POWER
INDEPENDENT LIVING

ISSUE DATE:
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REVISIONS:
1 ADDENDUM #1 - 6/5/2019
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IL
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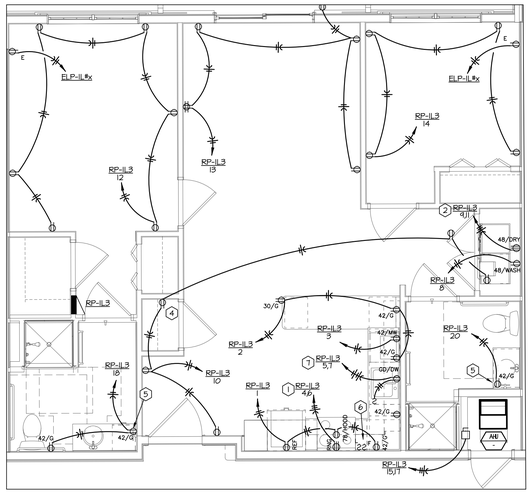
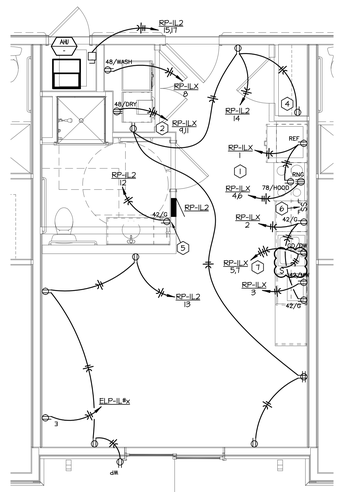


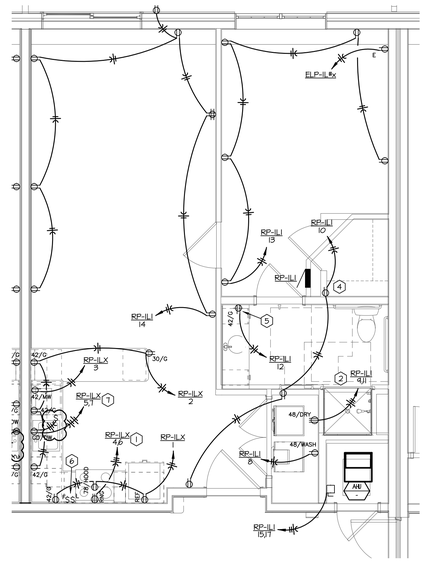

03 ENLARGED PLAN POWER - IL 2 BEDROOM - ADA

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




02 ENLARGED PLAN POWER - IL STUDIO - ADA

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




01 ENLARGED PLAN POWER - IL 1 BEDROOM - ADA

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

## GENERAL NOTES:

A. ALL SWITCHES AND RECEPTACLES LOCATED IN ADA UNITS SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS.

B. REFERENCE SHEET IL E2.1 FOR ADDITIONAL POWER GENERAL NOTES.

## PLAN NOTES:

1. PROVIDE A NEMA 14-50 RECEPTACLE AND HOMERUN WITH (3)#8 & #10 GROUND WIRE IN A 3/4" CONDUIT.
2. PROVIDE A NEMA 14-30 RECEPTACLE AND HOMERUN WITH (3)#10 & #10 GROUND WIRE IN A 3/4" CONDUIT.
3. PROVIDE RECEPTACLE BELOW SINK FOR GARBAGE DISPOSAL AND DISHWASHER AND SWITCH ABOVE COUNTER FOR GARBAGE DISPOSAL. SWITCH TOP HALF OF RECEPTACLE TO CONTROL GARBAGE DISPOSAL.
4. INSTALL NEW RECEPTACLE ABOVE CLOSET SHELF FOR LOW VOLTAGE.
5. PROVIDE 2-GANG JUNCTION BOX TO HOUSE BOTH GFCI RECEPTACLE AND NIGHT LIGHT.
6. PROVIDE FAN AND LIGHT SWITCH FOR ADA KITCHEN EXHAUST HOOD.
7. PROVIDE RECEPTACLE BELOW SINK FOR GARBAGE DISPOSAL AND DISHWASHER. PROVIDE SURFACE MOUNTED TOGGLE SWITCH BELOW SINK FOR GARBAGE DISPOSAL IN ADA UNITS. SWITCH TOP HALF OF RECEPTACLES TO CONTROL GARBAGE DISPOSAL.

RELEASE FOR CONSTRUCTION
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LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
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PROFESSIONAL ENGINEER

8/10/19

ENLARGED PLANS
POWER
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

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PROJECT NO.:1811

IL
E4.4

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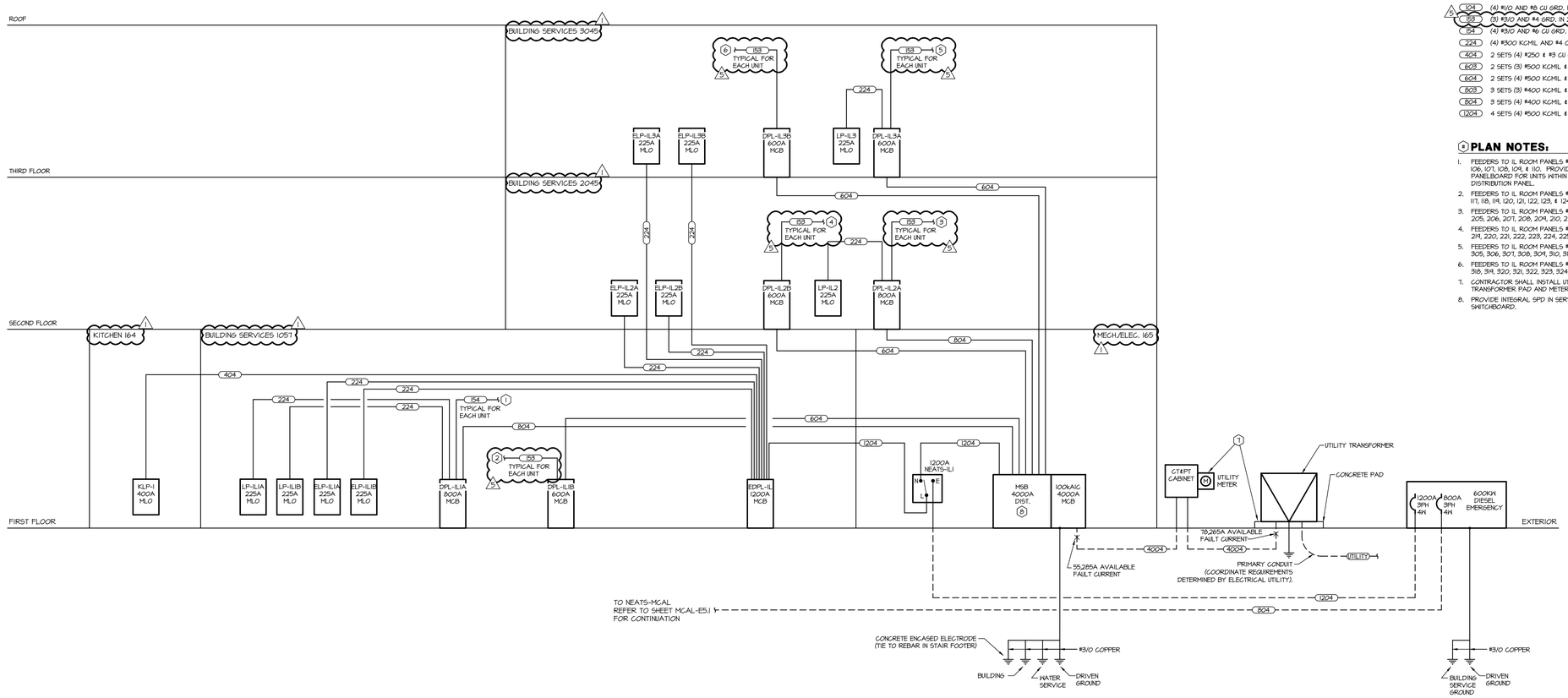


1 ELECTRICAL POWER RISER DIAGRAM

SCALE: NOT TO SCALE

## FEEDER SCHEDULE:

ALL SIZES LISTED BELOW ARE FOR STABILOY ALUMINUM ALLOY CONDUCTORS:

| | |
|---|---|
| UTILITY | PROVIDE (2) 4" EMPTY PRIMARY UTILITY CONDUITS |
| 4004 | II SETS OF (4) #750KCMIL EACH IN 4"C. |
| 104 | (4) #1/0 AND #8 CU GRD. IN 2" C. |
| 103 | (3) #3/0 AND #4 GRD. IN 2" C. |
| 154 | (4) #3/0 AND #6 CU GRD. IN 2" C. |
| 224 | (4) #300 KCMIL AND #4 CU GRD. IN 2-1/2" C. |
| 404 | 2 SETS (4) #250 & #3 CU GRD IN 2" C. |
| 603 | 2 SETS (3) #500 KCMIL & #1 CU GRD IN 3" C. |
| 604 | 2 SETS (4) #500 KCMIL & #1 CU GRD IN 3" C. |
| 803 | 3 SETS (3) #400 KCMIL & #1/0 CU GRD IN 2-1/2" C. |
| 804 | 3 SETS (4) #400 KCMIL & #1/0 CU GRD IN 2-1/2" C. |
| 1204 | 4 SETS (4) #500 KCMIL & #3/0 CU GRD IN 3" C. |

## PLAN NOTES:

1. FEEDERS TO IL ROOM PANELS #101, 102, 103, 104, 105, 106, 107, 108, 109, & 110. PROVIDE 22KAIG RATED PANELBOARD FOR UNITS WITHIN 50 FEET OF THIS DISTRIBUTION PANEL.
2. FEEDERS TO IL ROOM PANELS #111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, & 124.
3. FEEDERS TO IL ROOM PANELS #201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, & 213.
4. FEEDERS TO IL ROOM PANELS #214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, & 229
5. FEEDERS TO IL ROOM PANELS #301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, & 312.
6. FEEDERS TO IL ROOM PANELS #313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, & 328.
7. CONTRACTOR SHALL INSTALL UTILITY-FURNISHED TRANSFORMER PAD AND METER.
8. PROVIDE INTEGRAL SPD IN SERVICE ENTRANCE MAIN SWITCHBOARD.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/20/19

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073
H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
© Hoss & Brown Engineers 2019
MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978

SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER

8/10/19

INDEPENDENT LIVING
ELECTRICAL DETAILS

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E5.1

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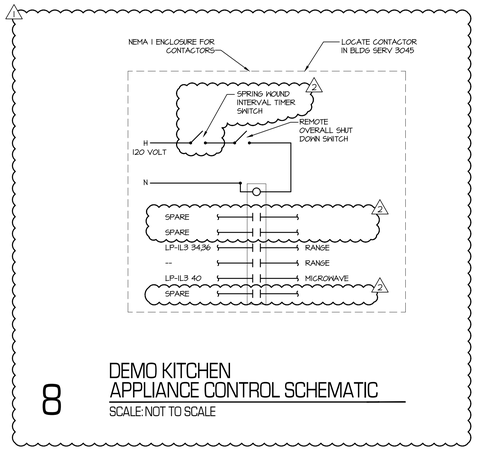
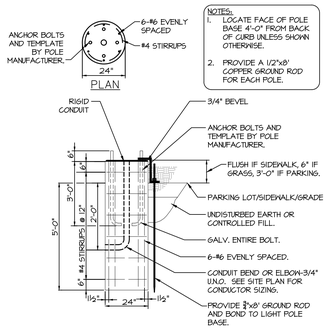
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
[illegible]



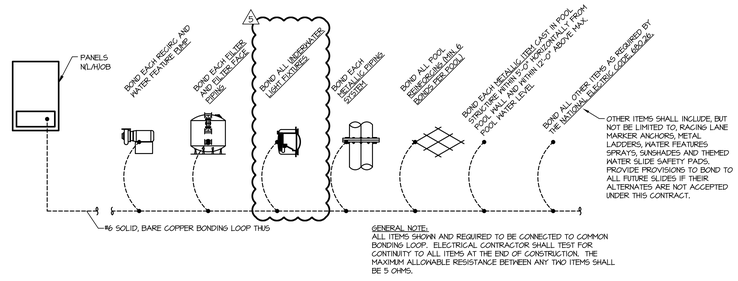

## 8 DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC

SCALE: NOT TO SCALE



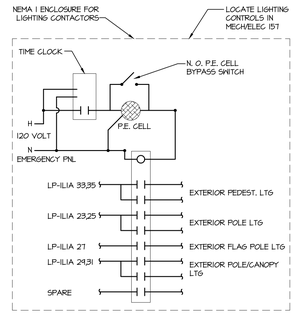

## 5 POLE BASE DETAIL

SCALE: NOT TO SCALE



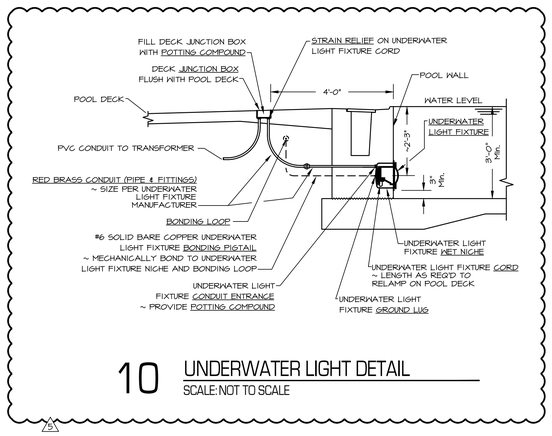

## 9 POOL EQUIPOTENTIAL BONDING SCHEMATIC

SCALE: NOT TO SCALE



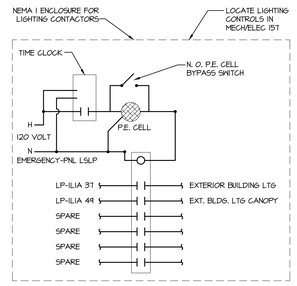

## 6 EXTERIOR POLE LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



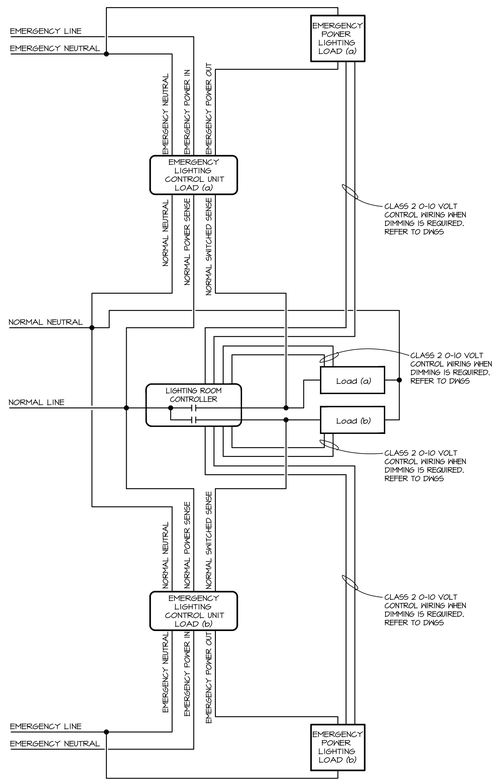

## 10 UNDERWATER LIGHT DETAIL

SCALE: NOT TO SCALE



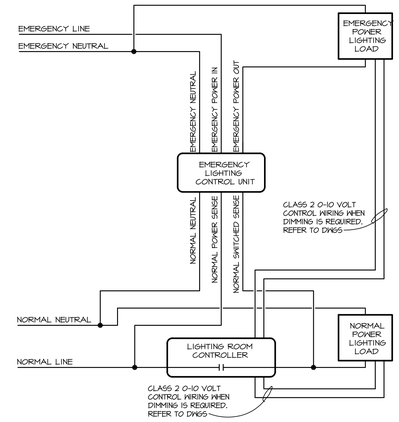

## 7 EXTERIOR BUILDING MOUNTED LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



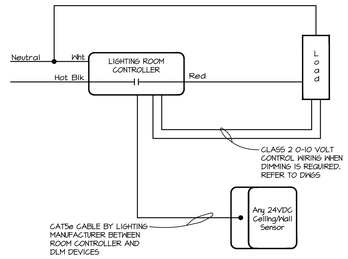

## 4 EMERGENCY LIGHTING CONTROL UNIT 24V 2-RELAY WIRING DIAGRAM

SCALE: NOT TO SCALE



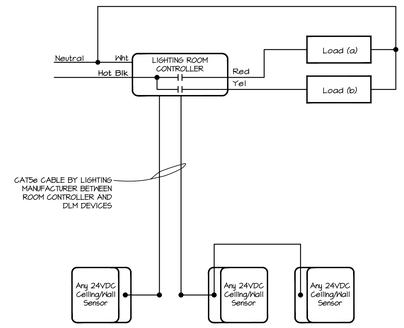

## 1 TYPICAL 1-RELAY WITH EMERGENCY LIGHTING CONTROL DIAGRAM

SCALE: NOT TO SCALE




## 2 CEILING MOUNTED OCCUPANCY SENSOR 24V WIRING DIAGRAM

SCALE: NOT TO SCALE




## 3 CEILING MOUNTED OCCUPANCY SENSOR 24V MULTIPLE SENSORS WIRING DIAGRAM

SCALE: NOT TO SCALE

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073
H&B ENGINEERS
HOSS & BROWN
11205 West 79th Street
Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
H&B PROJECT NUMBER : 1820588
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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY

1701 S.E. OLDHAM PARKWAY

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PROJECT NO.:1811

IL
E5.2

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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020

## ELP-IL3A

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 44kW= 123A
DEMANDED LOAD CONTINUOUS: 54kW= 149A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | RCPT - UNIT 3017 | 1 | 20 | A | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 2 |
| 3 | 180 | RCPT - UNIT 3017 | 1 | 20 | B | 20 | 1 | RCPT - EMER CALL SYS | 1260 | 4 |
| 5 | 180 | RCPT - UNIT 3018 | 1 | 20 | C | 100 | 2 | AHU-IL3A | 7821 | 6 |
| 7 | 180 | RCPT - UNIT 3018 | 1 | 20 | A | | | | 7821 | 8 |
| 9 | 180 | RCPT - UNIT 3019 | 1 | 20 | B | 40 | 2 | AHU-IL3B | 3162 | 10 |
| 11 | 180 | RCPT - UNIT 3020 | 1 | 20 | C | | | | 3162 | 12 |
| 13 | 180 | RCPT - UNIT 3020 | 1 | 20 | A | 45 | 2 | AHU-IL3C | 3162 | 14 |
| 15 | 180 | RCPT - UNIT 3021 | 1 | 20 | B | | | | 3162 | 16 |
| 17 | 180 | RCPT - UNIT 3022 | 1 | 20 | C | 40 | 2 | AHU-IL3D | 3162 | 18 |
| 19 | 180 | RCPT - UNIT 3022 | 1 | 20 | A | | | | 3162 | 20 |
| 21 | 180 | RCPT - UNIT 3023 | 1 | 20 | B | 20 | 1 | EF-5 | 300 | 22 |
| 23 | 180 | RCPT - UNIT 3023 | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | 180 | RCPT - UNIT 3024 | 1 | 20 | A | 20 | 1 | SPARE | | 26 |
| 27 | 180 | RCPT - UNIT 3025 | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | 180 | RCPT - UNIT 3026 | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | 180 | RCPT - UNIT 3026 | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | 180 | RCPT - UNIT 3027 | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 180 | RCPT - UNIT 3027 | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | 180 | RCPT - UNIT 3028 | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | 180 | RCPT - UNIT 3029 | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 180 | RCPT - UNIT 3030 | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | 180 | RCPT - UNIT 3031 | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 360 | RCPT - IT | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | 360 | RCPT - IT | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | 360 | RCPT - IT | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | 758 | LTS - CORR 3032 | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | 1355 | LTS - BUILDING SERVICE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-IL2A

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 54kW= 150A
DEMANDED LOAD CONTINUOUS: 41kW= 113A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | RCPT - UNIT 2017 | 1 | 20 | A | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 2 |
| 3 | 180 | RCPT - UNIT 2017 | 1 | 20 | B | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 4 |
| 5 | 180 | RCPT - UNIT 2018 | 1 | 20 | C | 40 | 2 | AHU-IL2A | 3161 | 6 |
| 7 | 180 | RCPT - UNIT 2018 | 1 | 20 | A | | | | 3161 | 8 |
| 9 | 180 | RCPT - UNIT 2019 | 1 | 20 | B | 40 | 2 | AHU-IL2B | 3161 | 10 |
| 11 | 180 | RCPT - UNIT 2020 | 1 | 20 | C | | | | 3161 | 12 |
| 13 | 180 | RCPT - UNIT 2020 | 1 | 20 | A | 40 | 2 | AHU-IL2C | 3161 | 14 |
| 15 | 180 | RCPT - UNIT 2021 | 1 | 20 | B | | | | 3161 | 16 |
| 17 | 180 | RCPT - UNIT 2022 | 1 | 20 | C | 40 | 2 | AHU-IL2D | 3161 | 18 |
| 19 | 180 | RCPT - UNIT 2022 | 1 | 20 | A | | | | 3161 | 20 |
| 21 | 180 | RCPT - UNIT 2023 | 1 | 20 | B | 20 | 2 | CU-IL2A | 1000 | 22 |
| 23 | 180 | RCPT - UNIT 2023 | 1 | 20 | C | | | | 1000 | 24 |
| 25 | 180 | RCPT - UNIT 2024 | 1 | 20 | A | 20 | 2 | CU-IL2B | 1000 | 26 |
| 27 | 180 | RCPT - UNIT 2025 | 1 | 20 | B | | | | 1000 | 28 |
| 29 | 180 | RCPT - UNIT 2026 | 1 | 20 | C | 20 | 2 | CU-IL2C | 1000 | 30 |
| 31 | 180 | RCPT - UNIT 2026 | 1 | 20 | A | | | | 1000 | 32 |
| 33 | 180 | RCPT - UNIT 2027 | 1 | 20 | B | 20 | 2 | CU-IL2D | 1000 | 34 |
| 35 | 180 | RCPT - UNIT 2027 | 1 | 20 | C | | | | 1000 | 36 |
| 37 | 180 | RCPT - UNIT 2028 | 1 | 20 | A | 35 | 2 | CU-IL3A | 2912 | 38 |
| 39 | 180 | RCPT - UNIT 2029 | 1 | 20 | B | | | | 2912 | 40 |
| 41 | 180 | RCPT - UNIT 2030 | 1 | 20 | C | 20 | 2 | CU-IL3B | 1000 | 42 |
| 43 | 180 | RCPT - UNIT 2031 | 1 | 20 | A | | | | 1000 | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 2 | CU-IL3C | 1000 | 46 |
| 47 | | SPARE | 1 | 20 | C | | | | 1000 | 48 |
| 49 | 360 | RCPT - IT | 1 | 20 | A | 20 | 2 | CU-IL3D | 1000 | 50 |
| 51 | 360 | RCPT - IT | 1 | 20 | B | | | | 1000 | 52 |
| 53 | 360 | RCPT - IT | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | 1333 | LTS - BLDG SERV | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | 758 | LTS - CORR 2032 | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-IL3

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 39kW= 107A
DEMANDED LOAD CONTINUOUS: 37kW= 104A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 900 | RCPT - CORR 3032 | 1 | 20 | A | 20 | 1 | RCPT - TENANT STORAGE | 720 | 2 |
| 3 | 720 | RCPT - CORR 3033 | 1 | 20 | B | 20 | 1 | RCPT - MENS/WOMENS RR | 180 | 4 |
| 5 | 900 | RCPT - CORR 3036 | 1 | 20 | C | 20 | 1 | RCPT - WORKROOM | 720 | 6 |
| 7 | 540 | RCPT - COMMUNITY RM | 1 | 20 | A | 20 | 1 | SPARE | | 8 |
| 9 | 360 | RCPT - COMMUNITY RM | 1 | 20 | B | 20 | 1 | EF-5 | 50 | 10 |
| 11 | 540 | RCPT - COMMUNITY RM | 1 | 20 | C | 30 | 2 | DRYER - RES LAUNDRY | 2500 | 12 |
| 13 | 540 | RCPT - COMMUNITY RM | 1 | 20 | A | - | - | | 2500 | 14 |
| 15 | 720 | RCPT - LAUNDRY | 1 | 20 | B | 30 | 2 | DRYER - RES LAUNDRY | 2500 | 16 |
| 17 | 360 | RCPT - STORAGE | 1 | 20 | C | - | - | | 2500 | 18 |
| 19 | 720 | RCPT - GREEN COUNTER | 1 | 20 | A | 20 | 1 | WASHER - RES LAUNDRY | 1000 | 20 |
| 21 | 720 | RCPT - GREEN | 1 | 20 | B | 20 | 1 | WASHER - RES LAUNDRY | 1000 | 22 |
| 23 | 360 | RCPT - IT | 1 | 20 | C | 20 | 1 | GFCI RCPT - DEMO KITCH. | 360 | 24 |
| 25 | 360 | RCPT - IT | 1 | 20 | A | 20 | 1 | REFRIG. - DEMO KITCH. | 1200 | 26 |
| 27 | 1080 | RCPT - ROOF TOP | 1 | 20 | B | 20 | 1 | GFCI RCPT - DEMO KITCH. | 720 | 28 |
| 29 | 1080 | RCPT - ROOF TOP | 1 | 20 | C | 20 | 1 | GD. - DEMO KITCH. | 750 | 30 |
| 31 | 500 | MISC - DOOR HOLDS | 1 | 20 | A | 20 | 1 | DW. - DEMO KITCH. | 750 | 32 |
| 33 | | SPARE | 1 | 20 | B | 50 | 2 | OVEN - DEMO KITCH. | 4000 | 34 |
| 35 | | SPARE | 1 | 20 | C | | | | 4000 | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - DEMO KITCH. | 720 | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | MICRO. - DEMO KITCH. | 1500 | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | HOOD - DEMO KITCH. | 500 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-IL1A

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 27kW= 75A
DEMANDED LOAD CONTINUOUS: 27kW= 76A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1440 | RCPT - CORR 1060 | 1 | 20 | A | 20 | 1 | RCPT - EMPLOYEE RR | 360 | 2 |
| 3 | 900 | RCPT - SALES | 1 | 20 | B | 20 | 1 | RCPT - RESIDENT SERV | 900 | 4 |
| 5 | 900 | RCPT - MAINTENANCE | 1 | 20 | C | 20 | 1 | RCPT - EMPLOYEE TV | 250 | 6 |
| 7 | 1260 | RCPT - DISCOVERY | 1 | 20 | A | 30 | 2 | DRYER - LAUNDRY | 2500 | 8 |
| 9 | 1200 | RCPT - EMPL LNGE REFRIG | 1 | 20 | B | | | | 2500 | 10 |
| 11 | 360 | RCPT - EMPL LNGE GFCI | 1 | 20 | C | 20 | 1 | WASHER - LAUNDRY | 1500 | 12 |
| 13 | 1080 | RCPT - EMPL LNGE GFCI | 1 | | A | 20 | 1 | RCPT - DISCOVERY TV | 250 | 14 |
| 15 | 900 | RCPT -BUILDING SERVICES | 1 | 20 | B | 30 | 1 | ELEV SUMP PUMP | 2208 | 16 |
| 17 | 540 | RCPT - BISTRO | 1 | 20 | C | 20 | 1 | ELECTRIC FIRE PLACE | 1000 | 18 |
| 19 | 1500 | RCPT - EMPL LNGE MICRO | 1 | 20 | A | 20 | 1 | DOOR HARDWARE | 500 | 20 |
| 21 | | SPARE | 1 | 20 | B | 30 | 1 | RCPT - IT | 720 | 22 |
| 23 | 710 | LTS - EXTERIOR POLE | 2 | 20 | C | 20 | 1 | MISC - DOOR HOLDS | 500 | 24 |
| 25 | 710 | | | | A | 20 | 1 | WM VAULT SUMP PUMP | 870 | 26 |
| 27 | 75 | LTS - EXTERIOR FLAG POLE | 1 | 20 | B | 20 | 2 | WM VAULT UNIT HEATER | 250 | 28 |
| 29 | 320 | LTS - EXT. POLE/CANOPY | 2 | 20 | C | | | | 250 | 30 |
| 31 | 320 | | | | A | 20 | 1 | SPARE | | 32 |
| 33 | 160 | LTS - EXTERIOR PEDEST. | 2 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 160 | | | | C | 20 | 1 | SPARE | | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-IL3B

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 9kW= 25A
DEMANDED LOAD CONTINUOUS: 10kW= 27A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | RCPT - UNIT 3001 | 1 | 20 | A | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 2 |
| 3 | 180 | RCPT - UNIT 3002 | 1 | 20 | B | 20 | 1 | MISC - FS DAMPERS | 400 | 4 |
| 5 | 180 | RCPT - UNIT 3003 | 1 | 20 | C | 20 | 1 | SPARE | | 6 |
| 7 | 180 | RCPT - UNIT 3004 | 1 | 20 | A | 20 | 1 | SPARE | | 8 |
| 9 | 180 | RCPT - UNIT 3005 | 1 | 20 | B | 20 | 1 | SPARE | | 10 |
| 11 | 180 | RCPT - UNIT 3006 | 1 | 20 | C | 20 | 1 | SPARE | | 12 |
| 13 | 180 | RCPT - UNIT 3006 | 1 | 20 | A | 20 | 1 | SPARE | | 14 |
| 15 | 180 | RCPT - UNIT 3007 | 1 | 20 | B | 20 | 1 | SPARE | | 16 |
| 17 | 180 | RCPT - UNIT 3007 | 1 | 20 | C | 20 | 1 | SPARE | | 18 |
| 19 | 180 | RCPT - UNIT 3008 | 1 | 20 | A | 20 | 1 | SPARE | | 20 |
| 21 | 180 | RCPT - UNIT 3008 | 1 | 20 | B | 20 | 1 | SPARE | | 22 |
| 23 | 180 | RCPT - UNIT 3009 | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | 180 | RCPT - UNIT 3010 | 1 | 20 | A | 20 | 1 | SPARE | | 26 |
| 27 | 180 | RCPT - UNIT 3011 | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | 180 | RCPT - UNIT 3011 | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | 180 | RCPT - UNIT 3012 | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | 180 | RCPT - UNIT 3012 | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | 180 | RCPT - UNIT 3013 | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | 180 | RCPT - UNIT 3014 | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | 180 | RCPT - UNIT 3015 | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | 180 | RCPT - UNIT 3016 | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | 360 | RCPT - IT | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 360 | RCPT - IT | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | 360 | RCPT - IT | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | 742 | LTS - COMMUNITY | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | 832 | LTS - CORR 3036 | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | 1003 | LTS - CORR 3033, 3034 | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-IL2B

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 47kW= 131A
DEMANDED LOAD CONTINUOUS: 51kW= 142A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | RCPT - UNIT 2001 | 1 | 20 | A | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 2 |
| 3 | 180 | RCPT - UNIT 2002 | 1 | 20 | B | 40 | 3 | DHU-IL | 3266 | 4 |
| 5 | 180 | RCPT - UNIT 2003 | 1 | 20 | C | | | | 3266 | 6 |
| 7 | 180 | RCPT - UNIT 2004 | 1 | 20 | A | | | | 3266 | 8 |
| 9 | 180 | RCPT - UNIT 2005 | 1 | 20 | B | 25 | 2 | CU-IL1A | 1331 | 10 |
| 11 | 180 | RCPT - UNIT 2006 | 1 | 20 | C | | | | 1331 | 12 |
| 13 | 180 | RCPT - UNIT 2006 | 1 | 20 | A | 25 | 2 | CU-IL1B | 1331 | 14 |
| 15 | 180 | RCPT - UNIT 2007 | 1 | 20 | B | | | | 1331 | 16 |
| 17 | 180 | RCPT - UNIT 2007 | 1 | 20 | C | 25 | 2 | CU-IL1C | 1331 | 18 |
| 19 | 180 | RCPT - UNIT 2008 | 1 | 20 | A | | | | 1331 | 20 |
| 21 | 180 | RCPT - UNIT 2008 | 1 | 20 | B | 20 | 2 | CU-IL1D | 1000 | 22 |
| 23 | 180 | RCPT - UNIT 2009 | 1 | 20 | C | | | | 1000 | 24 |
| 25 | 180 | RCPT - UNIT 2010 | 1 | 20 | A | 30 | 2 | CU-IL1E | 1500 | 26 |
| 27 | 180 | RCPT - UNIT 2011 | 1 | 20 | B | | | | 1500 | 28 |
| 29 | 180 | RCPT - UNIT 2011 | 1 | 20 | C | 20 | 2 | CU-IL1F | 1000 | 30 |
| 31 | 180 | RCPT - UNIT 2012 | 1 | 20 | A | | | | 1000 | 32 |
| 33 | 180 | RCPT - UNIT 2012 | 1 | 20 | B | 50 | 2 | CU-IL1 | 1166 | 34 |
| 35 | 180 | RCPT - UNIT 2013 | 1 | 20 | C | | | | 1166 | 36 |
| 37 | 180 | RCPT - UNIT 2014 | 1 | 20 | A | 30 | 2 | CU-IL2 | 2164 | 38 |
| 39 | 180 | RCPT - UNIT 2015 | 1 | 20 | B | | | | 2164 | 40 |
| 41 | 180 | RCPT - UNIT 2016 | 1 | 20 | C | 50 | 2 | CU-IL3 | 1166 | 42 |
| 43 | | SPARE | 1 | 20 | A | | | | 1166 | 44 |
| 45 | | SPARE | 1 | 20 | B | 30 | 2 | CU-IL4 | 1166 | 46 |
| 47 | 360 | RCPT - IT | 1 | 20 | C | | | | 1166 | 48 |
| 49 | 360 | RCPT - IT | 1 | 20 | A | 50 | 2 | CU-IL5 | 1166 | 50 |
| 51 | 360 | RCPT - IT | 1 | 20 | B | | | | 1166 | 52 |
| 53 | | SPARE | 1 | 20 | C | 30 | 2 | CU-IL6 | 1166 | 54 |
| 55 | | SPARE | 1 | 20 | A | | | | 1166 | 56 |
| 57 | 1208 | LTS - CORR 2033, 2034 | 1 | 20 | B | 20 | 1 | MISC - FS DAMPERS | 500 | 58 |
| 59 | 832 | LTS - CORR 2036 | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-IL1A

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 48kW= 132A
DEMANDED LOAD CONTINUOUS: 57kW= 158A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | RCPT - UNIT 1015 | 1 | 20 | A | 20 | 1 | ELEVATOR 1 CAB LTG | 250 | 2 |
| 3 | 180 | RCPT - UNIT 1016 | 1 | 20 | B | 20 | 1 | ELEVATOR 2 CAB LTG | 250 | 4 |
| 5 | 180 | RCPT - UNIT 1017 | 1 | 20 | C | 20 | 1 | RCPT - ELEV 1 MACH SPACE | 180 | 6 |
| 7 | 180 | RCPT - UNIT 1018 | 1 | 20 | A | 20 | 1 | RCPT - ELEV 2 MACH SPACE | 180 | 8 |
| 9 | 180 | RCPT - UNIT 1019 | 1 | 20 | B | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 10 |
| 11 | 180 | RCPT - UNIT 1019 | 1 | 20 | C | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 12 |
| 13 | 180 | RCPT - UNIT 1020 | 1 | 20 | A | 40 | 3 | AHU-IL1A | 3843 | 14 |
| 15 | 180 | RCPT - UNIT 1020 | 1 | 20 | B | | | | 3843 | 16 |
| 17 | 180 | RCPT - UNIT 1021 | 1 | 20 | C | | | | 3843 | 18 |
| 19 | 180 | RCPT - UNIT 1022 | 1 | 20 | A | 40 | 3 | AHU-IL1B | 3843 | 20 |
| 21 | 180 | RCPT - UNIT 1022 | 1 | 20 | B | | | | 3843 | 22 |
| 23 | 180 | RCPT - UNIT 1023 | 1 | 20 | C | | | | 3843 | 24 |
| 25 | 180 | RCPT - UNIT 1023 | 1 | 20 | A | 40 | 2 | AHU-IL1F | 2996 | 26 |
| 27 | 180 | RCPT - UNIT 1024 | 1 | 20 | B | | | | 2996 | 28 |
| 29 | 180 | RCPT - UNIT 1025 | 1 | 20 | C | 20 | 3 | WH-IL3 | 1281 | 30 |
| 31 | 180 | RCPT - UNIT 1026 | 1 | 20 | A | | | | 1281 | 32 |
| 33 | 180 | RCPT - UNIT 1026 | 1 | 20 | B | | | | 1281 | 34 |
| 35 | 180 | RCPT - UNIT 1027 | 1 | 20 | C | 20 | 1 | RCPT - IT | 360 | 36 |
| 37 | 180 | RCPT - UNIT 1028 | 1 | 20 | A | 20 | 1 | RCPT - IT | 360 | 38 |
| 39 | 180 | RCPT - UNIT 1030 | 1 | 20 | B | 20 | 1 | RCPT - IT | 360 | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | RCPT - IT | 360 | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | MISC - FACP | 1000 | 44 |
| 45 | 282 | LTS - EXTERIOR IL | 1 | 20 | B | 20 | 1 | RP-1 | 530 | 46 |
| 47 | 1006 | LTS - BUILDING SERVICES | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | 780 | LTS - ELEVATOR PIT | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | 1109 | LTS - LAUNDRY/EMPLOYEE | 1 | 20 | B | 20 | 1 | MISC - FS DAMPERS | 500 | 52 |
| 53 | 758 | LTS - CORR 1063 | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | 387 | LTS - STAIR 3 | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | 172 | LTS - EXTERIOR CANOPY | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | 104 | LTS - EXTERIOR CANOPY EM | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-IL1B

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 39kW= 109A
DEMANDED LOAD CONTINUOUS: 36kW= 100A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1440 | RCPT - CORR 1064 | 1 | 20 | A | 20 | 1 | RCPT - THEATER | 1260 | 2 |
| 3 | 1080 | RCPT - CORR 1034 | 1 | 20 | B | 20 | 1 | RCPT - THEATER STORAGE | 720 | 4 |
| 5 | 250 | RCPT - FITNESS TV | 1 | 20 | C | 20 | 1 | RCPT - THEATER TV | 250 | 6 |
| 7 | 250 | RCPT - FITNESS TV | 1 | 20 | A | 20 | 1 | MISC - DOOR HOLDS | 300 | 8 |
| 9 | 250 | RCPT - FITNESS TV | 1 | 20 | B | 20 | 1 | RCPT - CONFERENCE | 720 | 10 |
| 11 | 250 | RCPT - FITNESS TV | 1 | 20 | C | 20 | 1 | RCPT - EXEC DIRECTOR | 900 | 12 |
| 13 | 1000 | TREADMILL FITNESS | 1 | 20 | A | 20 | 1 | TREADMILL FITNESS | 1000 | 14 |
| 15 | 1000 | TREADMILL FITNESS | 1 | 20 | B | 20 | 1 | TREADMILL FITNESS | 1000 | 16 |
| 17 | 1080 | RCPT - FITNESS | 1 | 20 | C | 20 | 1 | RCPT - MENS/WOMENS RR | 360 | 18 |
| 19 | 1080 | RCPT - PRIVATE DINING | 1 | 20 | A | 20 | 1 | RCPT - WORK | 540 | 20 |
| 21 | 1080 | RCPT - DINING | 1 | 20 | B | 20 | 1 | RCPT - WORK | 500 | 22 |
| 23 | 360 | RCPT - SHOWER | 1 | 20 | C | 20 | 1 | RCPT - WORK COPIER | 500 | 24 |
| 25 | 200 | RCPT - POOL EQ. EF | 1 | 20 | A | 20 | 1 | RCPT - LOBBY-RECEPTION | 900 | 26 |
| 27 | 1000 | POOL CHLORINE FEED | 1 | 20 | B | 30 | 2 | POOL SWIM JETS | 1500 | 28 |
| 29 | 1000 | POOL PH FEED | 1 | 20 | C | | | | 1500 | 30 |
| 31 | 1000 | POOL CHEMICAL FEED | 1 | 20 | A | 20 | 2 | POOL RECIRC PUMP | 1000 | 32 |
| 33 | 1500 | POOL HEATER | 1 | 20 | B | | | | 1000 | 34 |
| 35 | 960 | WH RCPT 1 | 1 | 20 | C | 20 | 1 | RCPT - WELLNESS OFF. | 1080 | 36 |
| 37 | 960 | WH RCPT 2 | 1 | 20 | A | 20 | 1 | RCPT - POOL EDF | 250 | 38 |
| 39 | 960 | WH RCPT 3 | 1 | 20 | B | 20 | 1 | RCPT - POOL | 1440 | 40 |
| 41 | 360 | ~~RCPT - FITNESS COUNTER~~ | 1 | 20 | C | 20 | 1 | RCPT - IT | 720 | 42 |
| 43 | 360 | RCPT - THEATER | 1 | 20 | A | 20 | 1 | RCPT - WTR SOFT | 500 | 44 |
| 45 | | ~~SPARE~~ | 1 | 20 | B | 20 | 1 | RP-1 | 530 | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | TMV | 180 | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | WH RCPT 4 | 960 | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | WH RCPT 5 | 960 | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | WH RCPT 6 | 960 | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - POOL EDF | 250 | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## ELP-IL1B

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 55kW= 154A
DEMANDED LOAD CONTINUOUS: 68kW= 188A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 180 | RCPT - UNIT 1001 | 1 | 20 | A | 40 | 3 | AHU-IL1C | 3843 | 2 |
| 3 | 180 | RCPT - UNIT 1002 | 1 | 20 | B | | | | 3843 | 4 |
| 5 | 180 | RCPT - UNIT 1003 | 1 | 20 | C | | | | 3843 | 6 |
| 7 | 180 | RCPT - UNIT 1004 | 1 | 20 | A | 40 | 2 | AHU-IL1D | 3744 | 8 |
| 9 | 180 | RCPT - UNIT 1004 | 1 | 20 | B | | | | 3744 | 10 |
| 11 | 180 | RCPT - UNIT 1005 | 1 | 20 | C | 40 | 3 | AHU-IL1E | 3843 | 12 |
| 13 | 180 | RCPT - UNIT 1005 | 1 | 20 | A | | | | 3843 | 14 |
| 15 | 180 | RCPT - UNIT 1006 | 1 | 20 | B | | | | 3843 | 16 |
| 17 | 180 | RCPT - UNIT 1006 | 1 | 20 | C | 20 | 1 | RCPT - IT | 360 | 18 |
| 19 | 180 | RCPT - UNIT 1007 | 1 | 20 | A | 20 | 1 | RCPT - IT | 360 | 20 |
| 21 | 180 | RCPT - UNIT 1008 | 1 | 20 | B | 20 | 1 | RCPT - IT | 360 | 22 |
| 23 | 180 | RCPT - UNIT 1009 | 1 | 20 | C | 20 | 1 | RCPT - EMER CALL SYS | 1080 | 24 |
| 25 | 180 | RCPT - UNIT 1009 | 1 | 20 | A | 20 | 1 | SPARE | | 26 |
| 27 | 180 | RCPT - UNIT 1010 | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | 180 | RCPT - UNIT 1010 | 1 | 20 | C | 20 | 2 | BH-IL1 | 800 | 30 |
| 31 | 180 | RCPT - UNIT 1011 | 1 | 20 | A | | | | 800 | 32 |
| 33 | 180 | RCPT - UNIT 1012 | 1 | 20 | B | 20 | 2 | BH-IL2 | 800 | 34 |
| 35 | 180 | RCPT - UNIT 1013 | 1 | 20 | C | | | | 800 | 36 |
| 37 | 180 | RCPT - UNIT 1014 | 1 | 20 | A | 20 | 3 | RWH-IL2 | 1281 | 38 |
| 39 | | SPARE | 1 | 20 | B | | | | 1281 | 40 |
| 41 | | SPARE | 1 | 20 | C | | | | 1281 | 42 |
| 43 | 762 | LTS - LOBBY | 1 | 20 | A | 20 | 3 | RWH-IL3 | 1281 | 44 |
| 45 | 1142 | LTS - DINING | 1 | 20 | B | | | | 1281 | 46 |
| 47 | 806 | LTS - PRIVATE DINING | 1 | 20 | C | | | | 1281 | 48 |
| 49 | 1150 | LTS - POOL | 1 | 20 | A | 20 | 1 | MISC - FS DAMPERS | 500 | 50 |
| 51 | 1100 | LTS - CARTS & STORAGE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | 1182 | LTS - THEATER & WELLNESS | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | 832 | LTS - CORR 1064 | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | 535 | LTS - STAIR 1 | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | 387 | LTS - STAIR 2 | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |

## LP-IL2

DESCRIPTION: 225A MLO | 100% Neutral Bus w/ Double Lugs | 22 kAIC RATING
VOLTAGE: 120/208V, 3PH, 4 WIRE
TOTAL CONNECTED LOAD: 11kW= 32A
DEMANDED LOAD CONTINUOUS: 11kW= 31A

| NO | LOAD (W) | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | LOAD (W) | NO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 900 | RCPT - CORR 2036 | 1 | 20 | A | 20 | 1 | RCPT - SALON | 180 | 2 |
| 3 | 180 | RCPT - MENS/WOMENS RR | 1 | 20 | B | 20 | 1 | RCPT - SALON | 180 | 4 |
| 5 | 720 | RCPT - MASSAGE | 1 | 20 | C | 20 | 1 | RCPT - TENNANT STORAGE | 900 | 6 |
| 7 | 720 | RCPT - MEDIA | 1 | 20 | A | 20 | 1 | RCPT - MAINTENANCE | 540 | 8 |
| 9 | 250 | RCPT - MEDIA TV | 1 | 20 | B | 20 | 1 | RCPT - LOUNGE | 720 | 10 |
| 11 | 900 | RCPT - CORR 2032 | 1 | 20 | C | 20 | 1 | RCPT - LOUNGE TV | 250 | 12 |
| 13 | 720 | RCPT - CORR 2034 | 1 | 20 | A | 20 | 1 | RCPT - ROOF MAINTENANCE | 540 | 14 |
| 15 | 540 | RCPT - LIBRARY | 1 | 20 | B | 20 | 1 | RCPT - ROOF MAINTENANCE | 540 | 16 |
| 17 | 720 | RCPT - MEDIA | 1 | 20 | C | 20 | 1 | RCPT - IT | 720 | 18 |
| 19 | | SPARE | 1 | 20 | A | 20 | 1 | RCPT - IT | 720 | 20 |
| 21 | | SPARE | 1 | 20 | B | 20 | 1 | MISC - DOOR HOLDS | 500 | 22 |
| 23 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 24 |
| 25 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 26 |
| 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 |
| 29 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 30 |
| 31 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 32 |
| 33 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 34 |
| 35 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 36 |
| 37 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 38 |
| 39 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 40 |
| 41 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 42 |
| 43 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 44 |
| 45 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 46 |
| 47 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 48 |
| 49 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 50 |
| 51 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 52 |
| 53 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 54 |
| 55 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 56 |
| 57 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 58 |
| 59 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 60 |
| 61 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 62 |
| 63 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 64 |
| 65 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 66 |
| 67 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 68 |
| 69 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 70 |
| 71 | | SPARE | 1 | 20 | C | 20 | 1 | SPARE | | 72 |


SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

HOSS & BROWN ENGINEERS
11205 West 79th Street
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H&B PROJECT NUMBER : 1820588

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MO Certificate of Authority 01022

# LEE'S SUMMIT SENIOR COMMUNITY
1701 S.E. OLDHAM PARKWAY
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI


STARK WILSON DUNCAN ARCHITECTS INC
315 NICHOLS ROAD STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.532.1978


SEAL
PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER PE-2009035182
PROFESSIONAL ENGINEER
8/10/19

INDEPENDENT LIVING
ELECTRICAL SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E6.1

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## DPL-IL2B

DESCRIPTION: 600A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,224 AMPS 440,465 WATTS
SURFACE MOUNTING — DEMAND LOAD: 477 AMPS 171,781 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | RP-IL1 (UNIT 2001) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 2 | RP-IL1 (UNIT 2002) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 3 | RP-IL1 (UNIT 2003) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 4 | RP-IL1 (UNIT 2004) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 5 | RP-IL1 (UNIT 2005) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 6 | RP-IL3 (UNIT 2006) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 7 | RP-IL3 (UNIT 2007) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 8 | RP-IL3 (UNIT 2008) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 9 | RP-IL2 (UNIT 2009) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 10 | RP-IL2 (UNIT 2010) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 11 | RP-IL3 (UNIT 2011) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 12 | RP-IL3 (UNIT 2012) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 13 | RP-IL1 (UNIT 2013) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 14 | RP-IL1 (UNIT 2014) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 15 | RP-IL1 (UNIT 2015) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 16 | RP-IL1 (UNIT 2016) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 17 | SPACE | 3 | | | | | | |

## DPL-IL3A

DESCRIPTION: 600A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,271 AMPS 457,685 WATTS
SURFACE MOUNTING — DEMAND LOAD: 581 AMPS 209,287 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | LP-IL3 | 3 | 225 | SEE RISER | 38,570 | 107 | 37,450 | 104 |
| 2 | RP-IL5 (UNIT 3017) | 2 | 125 | SEE RISER | 24,078 | 67 | 21,640 | 60 |
| 3 | RP-IL3 (UNIT 3018) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 4 | RP-IL1 (UNIT 3019) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 5 | RP-IL3 (UNIT 3020) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 6 | RP-IL1 (UNIT 3021) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 7 | RP-IL3 (UNIT 3022) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 8 | RP-IL3 (UNIT 3023) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 9 | RP-IL2 (UNIT 3024) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 10 | RP-IL2 (UNIT 3025) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 11 | RP-IL3 (UNIT 3026) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 12 | RP-IL3 (UNIT 3027) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 13 | RP-IL1 (UNIT 3028) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 14 | RP-IL1 (UNIT 3029) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 15 | RP-IL1 (UNIT 3030) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 16 | RP-IL1 (UNIT 3031) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 17 | SPACE | 3 | | | | | | |
| 18 | SPACE | 3 | | | | | | |

## DPL-IL3B

DESCRIPTION: 600A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,214 AMPS 436,965 WATTS
SURFACE MOUNTING — DEMAND LOAD: 473 AMPS 170,416 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | RP-IL1 (UNIT 3001) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 2 | RP-IL1 (UNIT 3002) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 3 | RP-IL1 (UNIT 3003) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 4 | RP-IL1 (UNIT 3004) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 5 | RP-IL1 (UNIT 3005) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 6 | RP-IL3 (UNIT 3006) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 7 | RP-IL3 (UNIT 3007) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 8 | RP-IL3 (UNIT 3008) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 9 | RP-IL2 (UNIT 3009) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 10 | RP-IL2 (UNIT 3010) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 11 | RP-IL3 (UNIT 3011) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 12 | RP-IL3 (UNIT 3012) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 13 | RP-IL1 (UNIT 3013) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 14 | RP-IL1 (UNIT 3014) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 15 | RP-IL1 (UNIT 3015) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 16 | RP-IL1 (UNIT 3016) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 17 | SPACE | 3 | | | | | | |

## EDPL-IL

DESCRIPTION: 1200A — 99" MOUNTING SPACE — 42 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,289 AMPS 464,058 WATTS
SURFACE MOUNTING — DEMAND LOAD: 1,167 AMPS 419,945 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | ELP-IL1A | 3 | 225 | SEE RISER | 47,581 | 132 | 57,079 | 158 |
| 2 | ELP-IL1B | 3 | 225 | SEE RISER | 55,408 | 154 | 67,740 | 188 |
| 3 | KLP-1 | 3 | 400 | SEE RISER | 105,898 | 294 | 75,472 | 209 |
| 4 | ELP-IL2A | 3 | 225 | SEE RISER | 54,043 | 150 | 40,541 | 113 |
| 5 | ELP-IL2B | 3 | 225 | SEE RISER | 47,092 | 131 | 51,089 | 142 |
| 6 | ELP-IL3A | 3 | 225 | SEE RISER | 44,407 | 123 | 53,589 | 149 |
| 7 | ELP-IL3B | 3 | 225 | SEE RISER | 8,917 | 25 | 9,561 | 27 |
| 8 | GENERATOR BLOCK HTR/BATTERY CHARGER | 2 | 80 | SEE PLANS | 10,000 | 48 | 10,000 | 48 |
| 9 | ELEVATOR 1 | 3 | 225 | (3)#1/0 & #6 GW IN 2"C | 33,972 | 94 | 42,465 | 118 |
| 10 | ELEVATOR 2 | 3 | 225 | (3)#1/0 & #6 GW IN 2"C | 33,972 | 94 | 33,972 | 94 |
| 11 | RTU-ILA | 3 | 60 | (3)#4 & #10 GW IN 1"C | 12,681 | 35 | 12,681 | 35 |
| 12 | RTU-IL1A | 3 | 50 | (3)#6 & #10 GW IN 3/4"C | 10,087 | 31 | 10,087 | 31 |
| 13 | PROVISION | 3 | 225 | | | | | |
| 14 | PROVISION | 3 | 225 | | | | | |
| 15 | PROVISION | 3 | 100 | | | | | |

## MSB

DESCRIPTION: 4000AMP MAIN CIRCUIT BREAKER — 65 KAIC
208/120V, 3PH, 4 WIRE — CONNECTED LOAD: 8,617 AMPS 3,102,295 WATTS
SURFACE MOUNTING — DEMAND LOAD: 3,097 AMPS 1,115,045 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | NEATS-IL1 | 3 | 1200 | SEE RISER | 464,062 | 1289 | 419,947 | 1167 |
| 2 | DPL-IL1A | 3 | 800 | SEE RISER | 481,623 | 1338 | 224,271 | 623 |
| 3 | DPL-IL1B | 3 | 600 | SEE RISER | 386,015 | 1072 | 154,406 | 429 |
| 4 | DPL-IL2A | 3 | 800 | SEE RISER | 435,480 | 1210 | 180,836 | 502 |
| 5 | DPL-IL2B | 3 | 600 | SEE RISER | 440,465 | 1224 | 171,781 | 477 |
| 6 | DPL-IL3A | 3 | 600 | SEE RISER | 457,685 | 1271 | 209,287 | 581 |
| 7 | DPL-IL3B | 3 | 600 | SEE RISER | 436,965 | 1214 | 170,416 | 473 |
| 8 | TVSS | 3 | 80 | - | - | - | - | - |
| 9 | PROVISION | 3 | 225 | | | | | |
| 10 | PROVISION | 3 | 225 | | | | | |
| 11 | PROVISION | 3 | 100 | | | | | |
| 12 | PROVISION | 3 | 100 | | | | | |

## DPL-IL1A

DESCRIPTION: 800A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,338 AMPS 481,623 WATTS
SURFACE MOUNTING — DEMAND LOAD: 623 AMPS 224,271 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | LP-IL1A | 3 | 225 | SEE RISER | 25,593 | 71 | 26,604 | 74 |
| 2 | LP-IL1B | 3 | 225 | SEE RISER | 38,950 | 108 | 35,835 | 99 |
| 3 | RP-IL1 (UNIT 1015) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 4 | RP-IL2 (UNIT 1016) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 5 | RP-IL1 (UNIT 1017) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 6 | RP-IL2 (UNIT 1018) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 7 | RP-IL3 (UNIT 1019) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 8 | RP-IL3 (UNIT 1020) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 9 | RP-IL2 (UNIT 1021) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 10 | RP-IL3 (UNIT 1022) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 11 | RP-IL3 (UNIT 1023) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 12 | RP-IL2 (UNIT 1024) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 13 | RP-IL1 (UNIT 1025) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 14 | RP-IL3 (UNIT 1026) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 15 | RP-IL1 (UNIT 1027) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 16 | RP-IL1 (UNIT 1028) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 17 | RP-IL1 (UNIT 1030) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |

## DPL-IL1B

DESCRIPTION: 600A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,072 AMPS 386,015 WATTS
SURFACE MOUNTING — DEMAND LOAD: 424 AMPS 154,406 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | RP-IL1 (UNIT 1001) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 2 | RP-IL1 (UNIT 1002) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 3 | RP-IL1 (UNIT 1003) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 4 | RP-IL3 (UNIT 1004) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 5 | RP-IL3 (UNIT 1005) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 6 | RP-IL3 (UNIT 1006) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 7 | RP-IL2 (UNIT 1007) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 8 | RP-IL2 (UNIT 1008) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 9 | RP-IL3 (UNIT 1009) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 10 | RP-IL3 (UNIT 1010) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 11 | RP-IL1 (UNIT 1011) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 12 | RP-IL1 (UNIT 1012) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 13 | RP-IL1 (UNIT 1013) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 14 | RP-IL1 (UNIT 1014) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 15 | SPACE | 3 | | | | | | |

## DPL-IL2A

DESCRIPTION: 800A I-LINE TYPE HCR-U — 99" MOUNTING SPACE — 22 KAIC
208/120V, 3PH, 4WIRE
MAIN LUGS ONLY — CONNECTED LOAD: 1,210 AMPS 435,480 WATTS
SURFACE MOUNTING — DEMAND LOAD: 502 AMPS 180,836 WATTS

| NO | LOAD DESCRIPTION | P | AMP SIZE | FEEDER | CONNECTED LOAD (W) | CONNECTED LOAD (A) | DEMAND LOAD (W) | DEMAND LOAD (A) |
|---|---|---|---|---|---|---|---|---|
| 1 | LP-IL2 | 3 | 225 | SEE RISER | 11,440 | 32 | 11,220 | 31 |
| 2 | RP-IL5 (UNIT 2017) | 2 | 125 | SEE RISER | 24,078 | 67 | 21,640 | 60 |
| 3 | RP-IL3 (UNIT 2018) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 4 | RP-IL1 (UNIT 2019) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 5 | RP-IL3 (UNIT 2020) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 6 | RP-IL1 (UNIT 2021) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 7 | RP-IL3 (UNIT 2022) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 8 | RP-IL3 (UNIT 2023) | 2 | 125 | SEE RISER | 24,439 | 68 | 21,782 | 60 |
| 9 | RP-IL2 (UNIT 2024) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 10 | RP-IL2 (UNIT 2025) | 2 | 125 | SEE RISER | 27,425 | 76 | 21,141 | 59 |
| 11 | RP-IL3 (UNIT 2026) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 12 | RP-IL3 (UNIT 2027) | 2 | 125 | SEE RISER | 24,438 | 68 | 21,782 | 60 |
| 13 | RP-IL1 (UNIT 2028) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 14 | RP-IL1 (UNIT 2029) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 15 | RP-IL1 (UNIT 2030) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 16 | RP-IL1 (UNIT 2031) | 2 | 125 | SEE RISER | 23,697 | 66 | 20,822 | 58 |
| 17 | SPACE | 3 | | | | | | |
| 18 | SPACE | 3 | | | | | | |

## LIGHT FIXTURE SCHEDULE - SITE LIGHTING

| MARK | MANUFACTURER | MODEL | LAMP DATA TYPE | LAMP DATA | BALLAST TYPE | VOLTS | MOUNTING | TOTAL WATTS | DESCRIPTION | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| SA | MCGRAW-EDISON | GLEON-AE-02-LED-E1-T4W | 4000K | 10426 LUMEN LED | DRIVER | UNV | POLE TOP | 107 | LED LOW PROFILE PARKING LOT FIXTURE | 2,5,6 |
| SA2 | MCGRAW-EDISON | GLEON-AE-02-LED-E1-T4W | 4000K | 10426 LUMEN LED | DRIVER | UNV | POLE TOP | 214 | LED LOW PROFILE PARKING LOT FIXTURE | 2,5,6,7 |
| SA3 | MCGRAW-EDISON | GLEON-AE-02-LED-E1-T4W | 4000K | 10426 LUMEN LED | DRIVER | UNV | POLE TOP | 321 | LED LOW PROFILE PARKING LOT FIXTURE | 2,5,6,8 |
| SA4 | MCGRAW-EDISON | GLEON-AE-02-LED-E1-T4W | 4000K | 10426 LUMEN LED | DRIVER | UNV | POLE TOP | 428 | LED LOW PROFILE PARKING LOT FIXTURE | 2,5,6,9 |
| SB | MCGRAW-EDISON | GLEON-AE-02-LED-E1-T3 | 4000K | 10501 LUMEN LED | DRIVER | UNV | POLE TOP | 107 | LED LOW PROFILE PARKING LOT FIXTURE | 2,5,6 |
| SC | MCGRAW-EDISON | GLEON-AE-02-LED-E1-SL3 | 4000K | 10501 LUMEN LED | DRIVER | UNV | POLE TOP | 107 | LED LOW PROFILE PARKING LOT FIXTURE | 2,5,6 |
| SD | MCGRAW-EDISON | CNC-E01-LED-E1-WQ | 4000K | 3092 LUMEN LED | DRIVER | UNV | SURFACE | 25 | LED LOW PROFILE PARKING LOT FIXTURE | 5 |
| SF | STERNBERG | A850SRLED-2ARC45T2-MDL03 | 4500K | 3050 LUMEN LED | DRIVER | UNV | POLE TOP | 33 | LED POLE TOP ACORN STYLE FIXTURE | 1,5,6 |
| SF2 | STERNBERG | A850SRLED-2ARC45T2-MDL03 | 4500K | 3050 LUMEN LED | DRIVER | UNV | POLE TOP | 33 | LED POLE TOP ACORN STYLE FIXTURE | 5,6,11 |
| SG | LSI | XFLM-NF-LED-49-HO-NW-UE-PS | 4000K | 6298 LUMEN LED | DRIVER | UNV | KNUCKLE | 64 | EXTERIOR FLOODLIGHT FIXTURE (FLAGPOLE) | 4,10 |
| SK | LITHONIA | OFLILED-P1-40K-MVOLT-THK-DDBXD-OFLIVG | 4000K | 2070 LUMEN LED | DRIVER | UNV | KNUCKLE | 24 | EXTERIOR FLOODLIGHT FIXTURE | 3,4,10 |

**NOTES:**
1. PROVIDE 10FT 4" ROUND EXTRUDED STRAIGHT FLUTED POLE FINISH TO SELECTED BY ARCHITECT. STONEBRIDGE P25 SERIES.
2. PROVIDE SQUARE STRAIGHT STEEL POLE FINISH TO BE SELECTED BY ARCHITECT. STREETWORKS SSS SERIES.
3. MOUNT AT BOTTOM OF SIGN 3FT FROM FACADE.
4. PROVIDE WITH VANDAL GUARD ACCESSORY.
5. FINISH TO BE SELECTED BY ARCHITECT
6. PROVIDE HANDHOLE AND COVERPLATE IN POLE. FINISH TO MATCH POLE.
7. DOUBLE-HEAD FIXTURE ON A SINGLE POLE.
8. THREE-HEAD FIXTURE ON A SINGLE POLE.
9. FOUR-HEAD FIXTURE ON A SINGLE POLE.
10. PROVIDE A 12" DIAMETER, 6" TALL CONCRETE BASE WITH 45 DEGREE CHAMFERED EDGE.
11. PROVIDE 8FT 4" ROUND EXTRUDED STRAIGHT FLUTED POLE FINISH TO SELECTED BY ARCHITECT. STONEBRIDGE P25 SERIES.

**GENERAL NOTES:**
A. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.
B. CONTRACTOR SHALL VERIFY FINISH WITH ARCHITECT PRIOR TO ORDERING ALL FIXTURES.
C. NOT ALL FIXTURES MAY APPEAR ON THE PLAN.

## RP-IL1

DESCRIPTION: 125A MCB — 100% Neutral Bus — VOLTAGE: 120/208V, 1PH, 3 WIRE
10 kAIC RATING — DEMANDED LOAD CONTINUOUS: 21kW= 100A

| | NO | | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | | NO | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 1 | 540 | REFRIGERATOR & RCPT. | 1 | 20 | A | 20 | 1 | KITCHEN RECEPTACLES | 720 | 2 | * |
| * | 3 | 1500 | MICROWAVE | 1 | 20 | B | 50 | 2 | RANGE | 4000 | 4 | |
| * | 5 | 1120 | GARB. DISPOSAL | 1 | 20 | A | | | | 4000 | 6 | |
| * | 7 | 1035 | DISHWASHER | 1 | 20 | B | 20 | 1 | WASHER | 1441 | 8 | |
| | 9 | 2500 | DRYER | 2 | 30 | A | 20 | 1 | CLOSET RECEPTACLES | 803 | 10 | * |
| | 11 | 2500 | | | | B | 20 | 1 | BATHROOM RECEPTACLE | 180 | 12 | |
| * | 13 | 1440 | BEDROOM RECEPTACLES | 1 | 20 | A | 20 | 1 | LIVING AREA RECEPTACLES | 1260 | 14 | * |
| | 15 | - | AIR HANDLING UNIT | 2 | - | B | 20 | 1 | LIGHTING | 658 | 16 | * |
| | 17 | - | (NOTE 1) | | | A | 20 | 1 | SPARE | | 18 | |
| | 19 | - | CONDENSING UNIT | 2 | - | B | 20 | 1 | SPARE | | 20 | |
| | 21 | - | (NOTE 1) | | | A | 20 | 1 | SPARE | | 22 | |
| | 23 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 24 | |
| | 25 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 26 | |
| | 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 | |
| | 29 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 30 | |

* PROVIDE AFCI TYPE CIRCUIT BREAKER

NOTES:
1. REFERENCE AIR HANDLER & CONDENSING UNIT SCHEDULE ON SHEET M6.1 FOR EACH TENANT UNIT AHU AND CU CIRCUIT BREAKER SIZE.
CONDUCTOR AND CIRCUIT BREAKER SIZE FOR EACH SCENARIO ARE AS FOLLOWS -
AIR HANDLING UNITS -
40A/2P - (3)#8 & #10 GW IN 3/4"C
45A/2P - (3)#6 & #10 GW IN 3/4"C
CONDENSING UNITS -
20A/2P - (3)#12 & #12 GW IN 3/4"C
25A/2P - (3)#10 & #10 GW IN 3/4"C
30A/2P - (3)#10 & #10 GW IN 3/4"C

## RP-IL2

DESCRIPTION: 125A MCB — 100% Neutral Bus — VOLTAGE: 120/208V, 1PH, 3 WIRE
10 kAIC RATING — DEMANDED LOAD CONTINUOUS: 21kW= 102A

| | NO | | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | | NO | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 1 | 540 | REFRIGERATOR & RCPT. | 1 | 20 | A | 20 | 1 | KITCHEN RECEPTACLES | 720 | 2 | * |
| * | 3 | 1500 | MICROWAVE | 1 | 20 | B | 50 | 2 | RANGE | 4000 | 4 | |
| * | 5 | 1120 | GARBAGE DISPOSAL | 1 | 20 | A | | | | 4000 | 6 | |
| * | 7 | 1035 | DISHWASHER | 1 | 20 | B | 20 | 1 | WASHER | 1441 | 8 | |
| | 9 | 2500 | DRYER | 2 | 30 | A | 20 | 1 | SPARE | | 10 | |
| | 11 | 2500 | | | | B | 20 | 1 | BATHROOM RECEPTACLE | 180 | 12 | |
| * | 13 | 720 | BEDROOM RECEPTACLES | 1 | 20 | A | 20 | 1 | LIVING RECEPTACLES | 900 | 14 | * |
| | 15 | - | AIR HANDLING UNIT | 2 | - | B | 20 | 1 | LIGHTING | 441 | 16 | * |
| | 17 | - | (NOTE 1) | | | A | 20 | 1 | SPARE | | 18 | |
| | 19 | - | CONDENSING UNIT | 2 | - | B | 20 | 1 | SPARE | | 20 | |
| | 21 | - | (NOTE 1) | | | A | 20 | 1 | SPARE | | 22 | |
| | 23 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 24 | |
| | 25 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 26 | |
| | 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 | |
| | 29 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 30 | |

* PROVIDE AFCI TYPE CIRCUIT BREAKER

NOTES:
1. REFERENCE AIR HANDLER & CONDENSING UNIT SCHEDULE ON SHEET M6.1 FOR EACH TENANT UNIT AHU AND CU CIRCUIT BREAKER SIZE.
CONDUCTOR AND CIRCUIT BREAKER SIZE FOR EACH SCENARIO ARE AS FOLLOWS -
AIR HANDLING UNITS -
40A/2P - (3)#8 & #10 GW IN 3/4"C
45A/2P - (3)#6 & #10 GW IN 3/4"C
CONDENSING UNITS -
20A/2P - (3)#12 & #12 GW IN 3/4"C
25A/2P - (3)#10 & #10 GW IN 3/4"C
30A/2P - (3)#10 & #10 GW IN 3/4"C

## RP-IL3

DESCRIPTION: 125A MCB — 100% Neutral Bus — VOLTAGE: 120/208V, 1PH, 3 WIRE
10 kAIC RATING — DEMANDED LOAD CONTINUOUS: 22kW= 105A

| | NO | | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | | NO | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 1 | 540 | REFRIGERATOR/RCPT | 1 | 20 | A | 20 | 1 | KITCHEN RECEPTACLES | 720 | 2 | * |
| * | 3 | 1500 | MICROWAVE | 1 | 20 | B | 50 | 2 | RANGE | 4000 | 4 | |
| * | 5 | 1120 | GARBAGE DISPOSAL | 1 | 20 | A | | | | 4000 | 6 | |
| * | 7 | 1035 | DISHWASHER | 1 | 20 | B | 20 | 1 | WASHER | 1441 | 8 | |
| | 9 | 2500 | DRYER | 2 | 30 | A | 20 | 1 | CLOSET RECEPTACLES | 900 | 10 | * |
| | 11 | 2500 | | | | B | 20 | 1 | BEDROOM RECEPTACLE | 1080 | 12 | * |
| * | 13 | 1080 | LIVING AREA RECEPTACLES | 1 | 20 | A | 20 | 1 | BEDROOM RECEPTACLE | 720 | 14 | * |
| | 15 | - | AIR HANDLING UNIT | 2 | - | B | 20 | 1 | LIGHTING | 762 | 16 | * |
| | 17 | - | (NOTE 1) | | | A | 20 | 1 | BATHROOM RECEPTACLE | 360 | 18 | |
| | 19 | - | CONDENSING UNIT | 2 | - | B | 20 | 1 | BATHROOM RECEPTACLE | 180 | 20 | |
| | 21 | - | (NOTE 1) | | | A | 20 | 1 | SPARE | | 22 | |
| | 23 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 24 | |
| | 25 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 26 | |
| | 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 | |
| | 29 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 30 | |

* PROVIDE AFCI TYPE CIRCUIT BREAKER

NOTES:
1. REFERENCE AIR HANDLER & CONDENSING UNIT SCHEDULE ON SHEET M6.1 FOR EACH TENANT UNIT AHU AND CU CIRCUIT BREAKER SIZE.
CONDUCTOR AND CIRCUIT BREAKER SIZE FOR EACH SCENARIO ARE AS FOLLOWS -
AIR HANDLING UNITS -
40A/2P - (3)#8 & #10 GW IN 3/4"C
45A/2P - (3)#6 & #10 GW IN 3/4"C
CONDENSING UNITS -
20A/2P - (3)#12 & #12 GW IN 3/4"C
25A/2P - (3)#10 & #10 GW IN 3/4"C
30A/2P - (3)#10 & #10 GW IN 3/4"C

## RP-IL5

DESCRIPTION: 125A MCB — 100% Neutral Bus — VOLTAGE: 120/208V, 1PH, 3 WIRE
10 kAIC RATING — DEMANDED LOAD CONTINUOUS: 22kW= 104A

| | NO | | LOAD DESCRIPTION | P | AMP SIZE | PH | AMP SIZE | P | LOAD DESCRIPTION | | NO | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 1 | 540 | REFRIGERATOR/RCPT | 1 | 20 | A | 20 | 1 | KITCHEN RECEPTACLES | 720 | 2 | * |
| * | 3 | 1500 | MICROWAVE | 1 | 20 | B | 50 | 2 | RANGE | 4000 | 4 | |
| * | 5 | 1120 | GARBAGE DISPOSAL | 1 | 20 | A | | | | 4000 | 6 | |
| * | 7 | 1035 | DISHWASHER | 1 | 20 | B | 20 | 1 | WASHER | 1441 | 8 | |
| | 9 | 2500 | DRYER | 2 | 30 | A | 20 | 1 | CLOSET RECEPTACLES | 540 | 10 | * |
| | 11 | 2500 | | | | B | 20 | 1 | BEDROOM RECEPTACLE | 900 | 12 | * |
| * | 13 | 1080 | LIVING AREA RECEPTACLES | 1 | 20 | A | 20 | 1 | BEDROOM RECEPTACLE | 900 | 14 | * |
| | 15 | - | UNIT AIR HANDLING UNIT | 2 | - | B | 20 | 1 | LIGHTING | 762 | 16 | |
| | 17 | - | (NOTE 1) | | | A | 20 | 1 | BATHROOM RECEPTACLE | 360 | 18 | * |
| | 19 | - | UNIT CONDENSING UNIT | 2 | - | B | 20 | 1 | BATHROOM RECEPTACLE | 180 | 20 | |
| | 21 | - | (NOTE 1) | | | A | 20 | 1 | SPARE | | 22 | |
| | 23 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 24 | |
| | 25 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 26 | |
| | 27 | | SPARE | 1 | 20 | B | 20 | 1 | SPARE | | 28 | |
| | 29 | | SPARE | 1 | 20 | A | 20 | 1 | SPARE | | 30 | |

* PROVIDE AFCI TYPE CIRCUIT BREAKER

NOTES:
1. REFERENCE AIR HANDLER & CONDENSING UNIT SCHEDULE ON SHEET M6.1 FOR EACH TENANT UNIT AHU AND CU CIRCUIT BREAKER SIZE.
CONDUCTOR AND CIRCUIT BREAKER SIZE FOR EACH SCENARIO ARE AS FOLLOWS -
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CONDENSING UNITS -
20A/2P - (3)#12 & #12 GW IN 3/4"C
25A/2P - (3)#10 & #10 GW IN 3/4"C
30A/2P - (3)#10 & #10 GW IN 3/4"C

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/23/2020


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LICENSE NO. 2009035182
STATE OF MISSOURI — CASEY JOHN STEINER — NUMBER PE-2009035182 — PROFESSIONAL ENGINEER
8/10/19

INDEPENDENT LIVING
ELECTRICAL SCHEDULES

ISSUE DATE:
6/14/19

REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E6.2

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## LIGHT FIXTURE SCHEDULE

| MARK | MANUFACTURER | MODEL | LAMP DATA | | | VOLTS | MOUNTING | TOTAL WATTS | DESCRIPTION | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | LUMENS | TYPE | COLOR (K) | | | | | |
| A | SIGNIFY | 5TRB30K10 | 1000 | LED | 3000 | 120 | SURFACE | 14.2 | 7" SLIM SURFACE LED | 5,7 |
| A1 | SIGNIFY | 5TRB30K22 | 2200 | LED | 3000 | 120 | SURFACE | 23.2 | 10" SLIM SURFACE LED | 5,7 |
| B | BROWNLEE LIGHTING | 2059-16-BN-C4LED-WA-30K-E5 | 2438 | LED | 3000 | 120 | SURFACE | 24 | 16" DIAMETER LED FLUSH MOUNT DOME | 5 |
| C | BROWNLEE LIGHTING | 5613-03TLED-E5 | 1350 | LED | 3000 | 120 | WALL | 21 | 3-LIGHT LED VANITY LIGHT | 5,11 |
| C1 | CAPITAL LIGHTING | 1238MN-451 | 2400 | (3) 60 W INCAN. | 3000 | 120 | WALL | 180 | 3-LIGHT VANITY FIXTURE | 5,11 |
| D | BROWNLEE LIGHTING | 5612-02TLED-E5 | 900 | LED | 3000 | 120 | WALL | 14 | 2-LIGHT LED VANITY LIGHT | 5,11 |
| G | PROGRESS LIGHTING | P8022-28-30K | 1250 | LED | 3000 | 120 | SURFACE | 17 | 7" LED WET LOCATION | |
| H | SEAGULL LIGHTING | 61860-962 | 900 | LED MEDIUM A19 | 3000 | 120 | PENDANT | 13.5 | ROD HUNG PENDANT | 5 |
| HA | THOMAS LIGHTING | M251878 | 1600 | (1) 60 W LED EQ. MED BASE | 3000 | 120 | PENDANT | 13.5 | ONE LIGHT PENDANT | 5 |
| HL | BROAN | 161 | - | IR BULB | - | 120 | RECESSED | 250 | BATHROOM HEAT LAMP | 3 |
| K | PROGRESS LIGHTING | P7510 | 274 | LED | 3000 | 120 | SURFACE | 4.4 | LED UNDER CABINET LIGHT | |
| L | PROGRESS LIGHTING | P7088-0930K9 | 1211 | LED | 3000 | 120 | WALL | 17 | ONE LIGHT LED WALL SCONCE | 5,7,13 |
| LA | CAPITAL LIGHTING | 8021PN-127 | 1100 | LED | 3000 | 120 | WALL | 16 | ONE LIGHT WALL SCONCE | 5,7,13 |
| M | HE WILLIAMS | 34-4-L52/830-DRV-120 | 5200 | LED | 3000 | 120 | SURFACE | 51 | ARCHITECTURAL SURFACE MOUNT LED | |
| N | HE WILLIAMS | ASMS-4-L25/830-A-DRV-UNV | 2500 | LED | 3000 | 120 | SURFACE | 24 | DAMP LOCATION LED SURFACE MOUNT | |
| NL | EATON | TT3TW | - | LED | - | 120 | WALL | 1 | LED DIMMABLE NIGHT LIGHT | 5,6 |
| O1 | HE WILLIAMS | TSS-4-L30/830-DRV-120 | 3000 | LED | 3000 | 120 | SURFACE | 23 | SQUARE LENSED LED STRIP | |
| O2 | HE WILLIAMS | TSS-4-L55/830-DRV-120 | 5000 | LED | 3000 | 120 | SURFACE | 44 | SQUARE LENSED LED STRIP | |
| P1 | BY OTHER | CUSTOM | 15000 | LED | 3000 | 120 | PENDANT | 100 | 60" CUSTOM LED LOBBY CHANDELIER | 7 |
| P2 | BY OTHER | CUSTOM | 6250 | LED | 3000 | 120 | PENDANT | 63 | 24" CUSTOM LED DINING CHANDELIER | 7,15 |
| P3 | BY OTHER | CUSTOM | 3125 | LED | 3000 | 120 | PENDANT | 32 | 18" CUSTOM LED HALLWAY CHANDELIER | |
| Q | ELLIPTIPAR | SITI-M221-H-02-8-00-0-30-00 | 3000 | LED | 3000 | 120 | WALL | 50 | INDIRECT WALL MOUNT | 11 |
| R1 | CAPITAL LIGHTING | 2015BB-474 | 1350 | (3) 40 W | 3000 | 120 | SURFACE | 120 | 3 LIGHT CEILING FIXTURE | 14 |
| R2 | CAPITAL LIGHTING | 2015MN-480 | 1350 | (3) 40 W | 3000 | 120 | SURFACE | 120 | 3 LIGHT CEILING FIXTURE* | 5 |
| R3 | CAPITAL LIGHTING | 3414BB-458 | 2400 | (3) 60 W LED EQ. MED BASE | 3000 | 120 | PENDANT | 180 | 3 LIGHT SEMI-FLUSH FIXTURE | 14 |
| S1 | ELK LIGHTING | 32082/2 | 3200 | (6) 60 W LED EQ. BII | 3000 | 120 | PENDANT | 360 | SIX LIGHT CHANDELIER | 5,7 |
| S2 | FEISS | F3105/6DAC/AC | 3400 | (6) 60W LED EQ. BIO | 3000 | 120 | PENDANT | 360 | LIGHT ISLAND PENDANT | 5,7 |
| T | HE WILLIAMS | 96-4-L40/830-HIAFR-WET/I-DRV-UNV | 4000 | LED | 3000 | 120 | WALL | 30 | 4' ENCLOSED AND GASKETED W/HIGH-IMPACT ACRYLIC LENS | |
| U | - | - | - | LED | - | 120 | WALL | - | UNDERWATER POOL LIGHT | |
| V1 | BROWNLEE LIGHTING | 2070-24-NT-C4RLED-SNI-30K-DIM-E5 | 4124 | LED | 3000 | 120 | PENDANT | 44 | 24" DIAMETER DIMMING LED CEILING PENDANT | 5,7 |
| V2 | CAPITAL LIGHTING | 3423MN-480 | 2400 | (3) 60 W LED EQ. MED BASE | 3000 | 120 | PENDANT | 180 | THREE LIGHT PENDANT | 5,7 |
| W | ACCLAIM LIGHTING | FLEXP12T | 680/FT | LED | 3000 | 120 | SURFACE | 5.5W/LF | FLEXIBLE LED CIRCUIT STRIP | 7,9,10 |
| X | DUAL LITE | SE--R-W-E | - | LED | - | 120 | SEE PLANS | 4 | LED EXIT SIGN | 1 |
| XB | DUAL LITE | LL2-03L | - | LED | - | 120 | WALL | 4 | DUAL HEAD LED BUGEYE | |
| Y1 | LED2 | LED2-PANS-22-40K-60 | 4600 | LED | 4000 | 120 | SURFACE | 40 | 2x2 LAY-IN LED PANEL | 7 |
| Y2 | LED2 | LED2-PANS-14-40K-60 | 4100 | LED | 4000 | 120 | SURFACE | 40 | 1x4 LAY-IN LED PANEL | 7 |
| Z | HE WILLIAMS | TSS-2-L15/830-DRV-120 | 1500 | LED | 3000 | 120 | SURFACE | 12 | 2' LED CLOSET LIGHT | 2 |
| AA | PROGRESS LIGHTING | P5806-20 | 2400 | (2) 18W GU24 CFL | 3000 | 120 | WALL | 36 | WET LOCATION WALL SCONCE | |
| BB | MCGRAW-EDISON | 15T-BO2-LED-E1-G2W-AP-GNB | 4244 | LED | 4000 | 120 | WALL | 42 | LED EXTERIOR WALL MOUNT W/COLD WEATHER BATTERY | 12 |
| CC | NORA | NFBIC-6L12AT-I / NRM-6II-L20-30 | 2000 | LED | 3000 | 120 | RECESSED | 26 | DAMP LOCATION DOWNLIGHT/2-HOUR FIRE RATED | |
| DD | TERON LIGHTING | TLNH-L216.8-5M-120V-2TTV-C6L-30K | 1880 | LED | 3000 | 120 | WALL | 73 | DIRECT/INDIRECT LED EXTERIOR WALL MOUNT | 5,6 |
| GG | SEAGULL LIGHTING | 84044EN3-185 | 800 | 9.5W MEDIUM A19 LED | 3000 | 120 | WALL | 15 | WET LOCATION WALL SCONCE | |

**NOTES:**

1. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS TO MATCH WHAT IS SHOWN ON DRAWINGS.
2. INSTALL FIXTURE ABOVE DOOR WITHIN CLOSET.
3. PROVIDE FIRE RATED BACKBOX ENCLOSURE FOR RECESSED INSTALLATION IN FIRE-RATED CEILING WHERE REQUIRED. VERIFY EXACT REQUIREMENTS WITH FIXTURE MANUFACTURER.
4. PROVIDE WET LOCATION RATED FOR INSTALLATION ABOVE SHOWER.
5. PROVIDE FIXTURE WITH BRUSHED NICKEL FINISH. VERIFY EXACT SELECTION WITH ARCHITECT PRIOR TO ORDERING.
6. MOUNT FIXTURE WITHIN DOUBLE GANG BOX NEXT TO RECEPTACLE. MOUNTING HEIGHT AS NOTED ON POWER PLANS. PROVIDE DOUBLE-GANG DECORATOR WALL PLATE.
7. PROVIDE FIXTURE WITH DIMMABLE DRIVER.
8. MOUNT FIXTURE AT MOUNTING HEIGHT AS NOTED ON DRAWINGS.
9. FIXTURE SHALL BE CUT AND MODIFIED IN THE FIELD FOR EXACT INSTALLED LENGTH. PROVIDE (1) DIMMING DRIVER MODEL #M300L24DC PER TWO SPOOLS, MANUFACTURERS LOW PROFILE FLEXIBLE MOUNTING CHANNEL, AND ALL OTHER ACCESSORIES FOR A COMPLETE INSTALLATION.
10. FIXTURE SHALL BE MOUNTED IN COVE AS DETAILED BY ARCHITECT OR MOUNTED UNDER CABINET.
11. MOUNT FIXTURE AT 1'-0" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
12. MOUNT FIXTURE AT 8'-6" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
13. MOUNT FIXTURE AT 6'-6" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
14. PROVIDE FIXTURE WITH BURNISHED BRONZE FINISH. VERIFY EXACT SELECTION WITH ARCHITECT PRIOR TO ORDERING.
15. PROVIDE LIFT FOR THIS FIXTURE. COORDINATE LIFT LOCATION AND REQUIREMENTS PRIOR TO ROUGH IN.

**GENERAL NOTES.**

A. ALL FLUORESCENT AND LED LAMPS SHALL BE 3000 K.
B. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.
C. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ALL FIXTURES.
D. PROVIDE NUMBER OF BALLASTS AS REQUIRED TO MATCH SWITCHING SCHEME ON PLANS.
E. NOT ALL FIXTURES WILL APPEAR IN EACH WING.
F. ALL FIXTURES SHALL BE ENERGY STAR RATED.

## LIGHTING CONTROLS SCHEDULE

| MARK | MANUFACTURER | MODEL | DEVICE | MOUNTING | RELAYS | DIMMING | PIR | ULTRA SONIC | TIME DELAY SETTINGS | AMBIENT LIGHT CONTROL | MANUAL ON | AUTO ON | MAXIMUM LOAD | VOLTS | NOTES | CONTROL NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RC1 | WATTSTOPPER | LMRC-101 | ROOM CONTROLLER - SINGLE RELAY | PLENUM | 1 | - | - | - | - | - | - | - | 20A | 120/277 | | |
| RC2 | WATTSTOPPER | LMRC-102 | ROOM CONTROLLER - DUAL RELAY | PLENUM | 2 | - | - | - | - | - | - | - | 20A | 120/277 | | |
| RC3 | WATTSTOPPER | LMRC-211 | ROOM CONTROLLER - SINGLE RELAY LV DIMMING | PLENUM | 1 | 0-10V | - | - | - | - | - | - | 20A | 120/277 | | |
| RC4 | WATTSTOPPER | LMRC-212 | ROOM CONTROLLER - DUAL RELAY LV DIMMING | PLENUM | 2 | 0-10V | - | - | - | - | - | - | 20A | 120/277 | | |
| RC5 | WATTSTOPPER | LMRC-213 | ROOM CONTROLLER - TRIPLE RELAY LV DIMMING | PLENUM | 3 | 0-10V | - | - | - | - | - | - | 20A | 120/277 | | |
| RC6 | WATTSTOPPER | LMRC-221 | ROOM CONTROLLER - SINGLE RELAY UNV DIMMING | PLENUM | 1 | 0%-100% | - | - | - | - | - | - | 20A | 120/277 | | |
| RC7 | WATTSTOPPER | LMRC-222 | ROOM CONTROLLER - DUAL RELAY UNV DIMMING | PLENUM | 2 | 0%-100% | - | - | - | - | - | - | 20A | 120/277 | | |
| O2 | WATTSTOPPER | LMIC-100 | OCCUPANCY SENSOR - ULTRASONIC | CEILING | - | - | - | YES | 15 MINUTES | - | YES | RR/CORR | - | 24VDC | | |
| O3 | WATTSTOPPER | LMDC-100 | OCCUPANCY SENSOR - DUAL | CEILING | - | - | YES | YES | - | - | YES | RR/CORR | - | 24VDC | | |
| O4 | WATTSTOPPER | LMPC-100 | OCCUPANCY SENSOR - PIR | CEILING | - | - | YES | - | 15 MINUTES | - | YES | RR/CORR | - | 24VDC | | |
| W1 | WATTSTOPPER | LMSW-101 | PERSONAL CONTROL - 1 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W2 | WATTSTOPPER | LMSW-102 | PERSONAL CONTROL - 2 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W3 | WATTSTOPPER | LMSW-103 | PERSONAL CONTROL - 3 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W4 | WATTSTOPPER | LMSW-103 | PERSONAL CONTROL - 4 BUTTON | WALL | - | - | - | - | - | - | - | - | - | 24VDC | 1 | |
| W5 | WATTSTOPPER | LMSW-105 | PERSONAL CONTROL - 4 BUTTON + PADDLE | WALL | - | YES | - | - | - | - | - | - | - | 24VDC | 1 | |
| WD | WATTSTOPPER | LMDM-101 | PERSONAL CONTROL - DIMMING | WALL | - | YES | - | - | - | - | - | - | - | 24VDC | 1 | |
| WO | WATTSTOPPER | DSW-301 | PERSONAL CONTROL - OCC. SENSOR | WALL | 1 | - | YES | YES | 15 MINUTES | - | YES | NO | 20A | 120/277 | 1 | |
| WDO | WATTSTOPPER | DW-311 | PERSONAL CONTROL - DIMMING/OCC. SENSOR | WALL | 1 | YES | YES | YES | 15 MINUTES | - | YES | NO | 20A | 120/277 | 1 | |
| WT | WATTSTOPPER | TS-400 | ELECTRONIC DIGITAL TIMER SWITCH | WALL | 1 | - | - | - | 30 MINUTES | - | - | - | 20A | 120/277 | 1 | |

**NOTES:**

1. ARCHITECT SHALL SELECT COLOR FROM MANUFACTURER'S COLOR PALATE DURING THE SUBMITTAL PROCESS.

**CONTROL NOTES:**

1. AUTO ON (OCCUPANCY MODE): LOAD TURNS ON AND OFF AUTOMATICALLY BASED ON OCCUPANCY. IF LOAD IS TURNED OFF MANUALLY, LOAD REMAINS OFF UNTIL 5 MINUTES AFTER OCCUPANT DETECTION, IT THEN REVERTS TO AUTO ON MODE.
2. MANUAL ON (VACANCY MODE): OCCUPANT MUST MANUALLY PRESS ON/OFF BUTTON TO ENERGIZE THE LOAD. LOAD REMAINS ENERGIZED UNTIL NO MOTION IS DETECTED FOR THE SELECTED TIME DELAY.
3. 30 SECOND RE-TRIGGER DELAY - IF SENSOR DETECTS MOTION DURING DELAY SENSOR SHALL RE-ENERGIZE LOAD. SENSOR SHALL ENERGIZE LOAD UPON DETECTION OF MOTION. LOAD IS DE-ENERGIZED ONCE SPACE IS VACANT AND THE ADJUSTABLE TIME DELAY ELAPSES.
5. MANUAL OVERRIDE SWITCH SHALL DE-ENERGIZE LOAD DURING OCCUPANCY FOR THE DURATION OF THE SET TIME DELAY. MANUAL ON SWITCH SHALL ENERGIZE LOAD FOR THE DURATION OF OCCUPANCY.
6. FOR DUAL SWITCH SENSORS DEFAULT IN AUTO-ON TO 50% OPERATION.

**GENERAL NOTES (APPLIES TO ALL ABOVE):**

A. PROVIDE POWER PACKS FOR ALL LOW VOLTAGE OCCUPANCY SENSORS.
B. PROVIDE POWER PACK TYPE AND QUANTITY RECOMMENED BY MANUFACTURER FOR DEVICES SCHEDULED.
C. PROVIDE ALL REQUIRED WIRING FOR A COMPLETE INSTALLATION. REFERENCE MANUFACTURER'S WIRING DIAGRAMS FOR ALL REQUIRED WIRING.
E. DUAL TECHNOLOGY SENSORS OCCUPANCY LOGIC SHALL BE SELECTED FOR DETECTION BY EITHER TECHNOLOGY AND SHOULD ONLY REQUIRE ONE FOR INITIAL AND MAINTAINED OCCUPANCY AND RETRIGGER WHEN OPTION IS AVAILABLE.
F. ALL WALL SWITCHES WITH MORE THAN TWO BUTTONS OR BUTTONS FOR DIMMING SHALL BE ENGRAVED WITH THE SCENE FUNCTION. TEXT SHALL BE SELECTED DURING THE SUBMITTAL PROCESS.
G. PROVIDE TWO DIGITAL WIRELESS CONFIGURATION TOOLS, WATTSTOPPER MODEL LMGT-100.

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