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
- PHOTOCELL SWITCH
- OS* CEILING OCCUPANCY SENSOR
- RC* ROOM CONTROLLER
- ECU* EMERGENCY CONTROL UNIT
- P POWER PACK

FIRE ALARM

- FACP FIRE ALARM CONTROL PANEL
- FAA ANNUNCIATOR PANEL
- FA FIRE ALARM POWER EXTENDER
- PULL STATION
- KNOX BOX
- 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
- HEAT/THERMAL DETECTOR
- DUCT SMOKE DETECTOR
- INDIVIDUAL ADDRESSABLE MONITOR
- MAGNETIC DOOR HOLD
- HORN/STROBE
- STROBE
- SPEAKER/STROBE
- SPEAKER
- HORN
- VALVE TAMPER SWITCH
- FLOW SWITCH
- EOL END OF LINE RESISTOR
- PV 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
- PIB PATIENT BED INTERFACE-37 PIN CONNECTOR
- DUTY STATION
- STAFF STATION
- DOME LIGHT
- L_2 ZONE DOME LIGHT
- CODE BLUE PUSHBUTTON STATION
- EMERGENCY STAFF STATION

COMMUNICATIONS

- SX 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
GFCI	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. WC	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 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.

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MISSOURI CERTIFICATE
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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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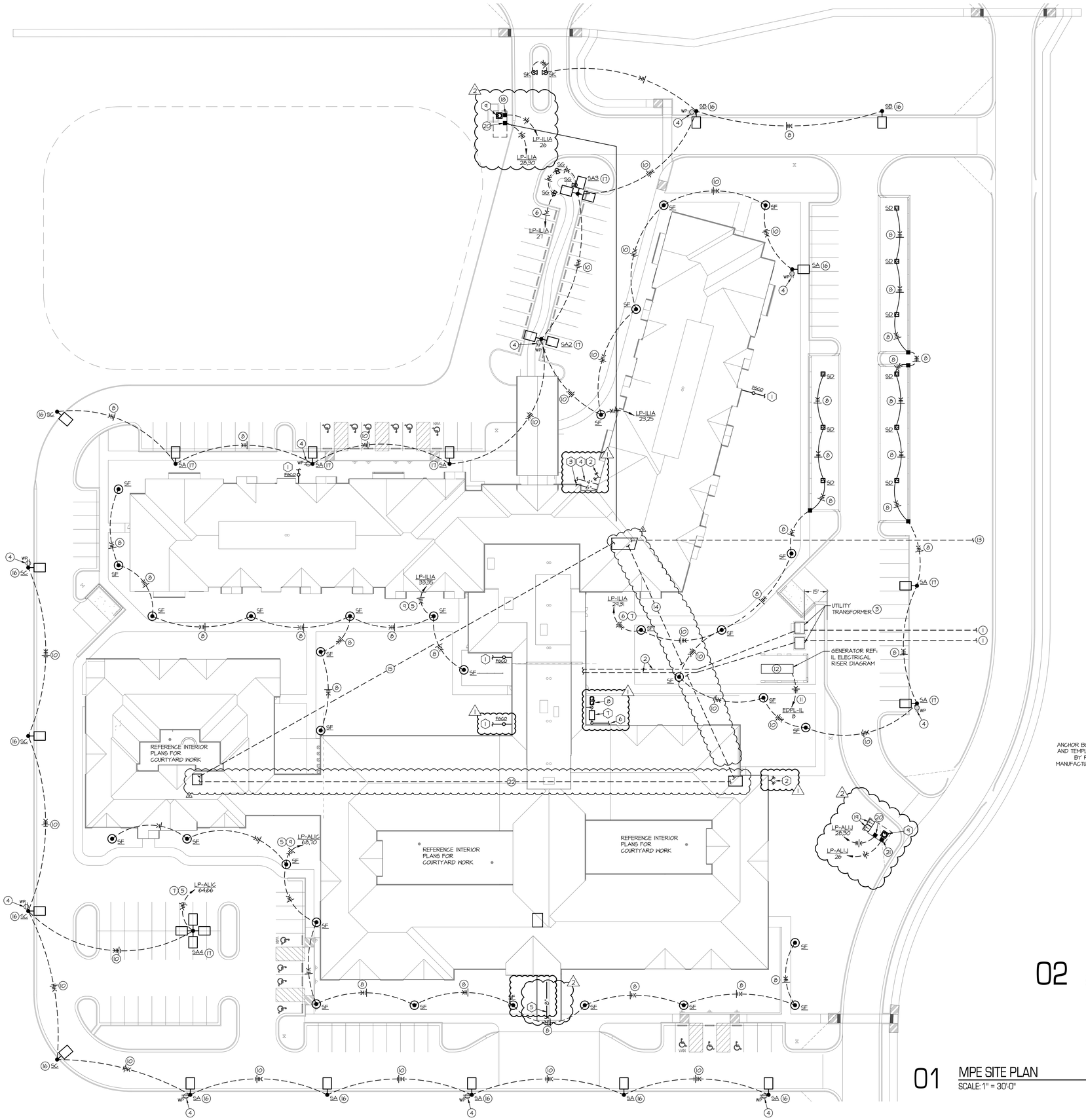


01 MPE SITE PLAN
SCALE: 1" = 30'-0"

NORTH

GENERAL NOTES:

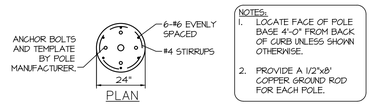
A. REFERENCE MECHANICAL SHEETS FOR MECHANICAL GENERAL NOTES.
B. REFERENCE PLUMBING SHEETS FOR PLUMBING GENERAL NOTES.
C. REFERENCE ELECTRICAL SHEETS FOR ELECTRICAL GENERAL NOTES.
D. REFERENCE ELECTRICAL SHEET IL E6.2 FOR SITE LIGHTING SCHEDULE.

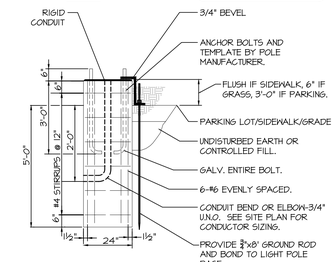
ELECTRICAL PLAN NOTES:

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. 1056) 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. 1056) 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. 1056) 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#5 & #8 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 #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 INDEPENDENT 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

SWD ARCHITECTS
EST 1935
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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

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

MPE1.1

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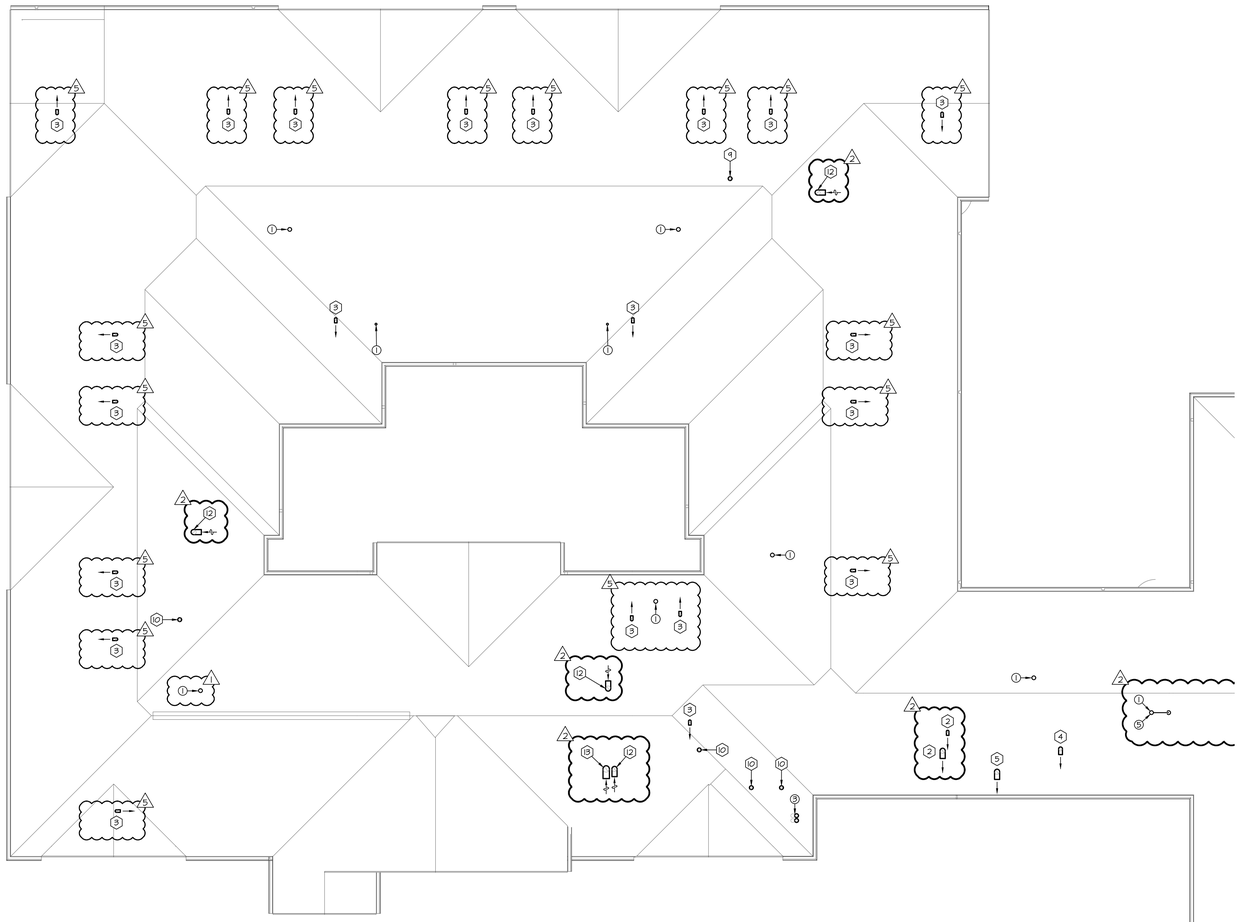

01 MEMORY CARE AREA A ROOF PLAN
SCALE: 1/8" = 1'-0"

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.

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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

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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
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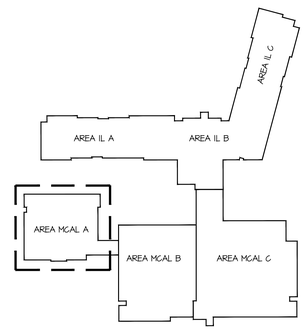
2 15. ROUTE DUCT IN ATTIC SPACE AS SHOWN.

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

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

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ROOF PLAN AREA A
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ASSISTED LIVING

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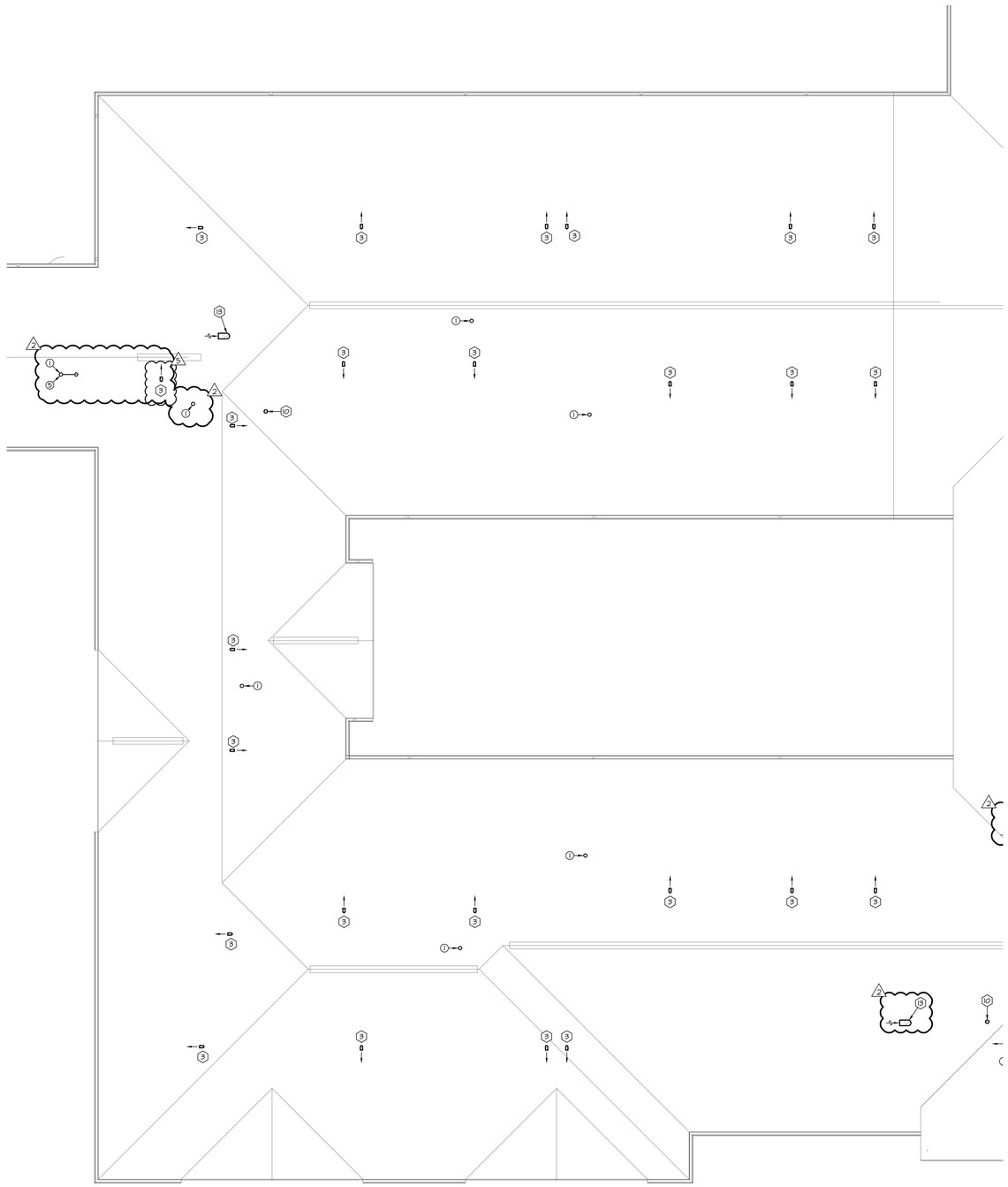

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2 12. 8" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1

13. 10" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 431 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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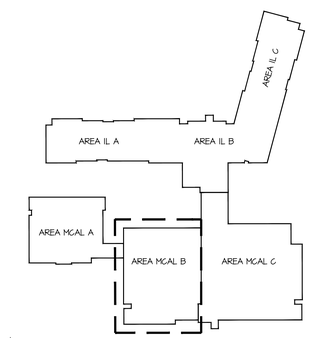

NORTH

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 : 182088
© Hoss & Brown Engineers 2019
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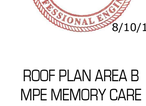

8/10/19

ROOF PLAN AREA B
MPE MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
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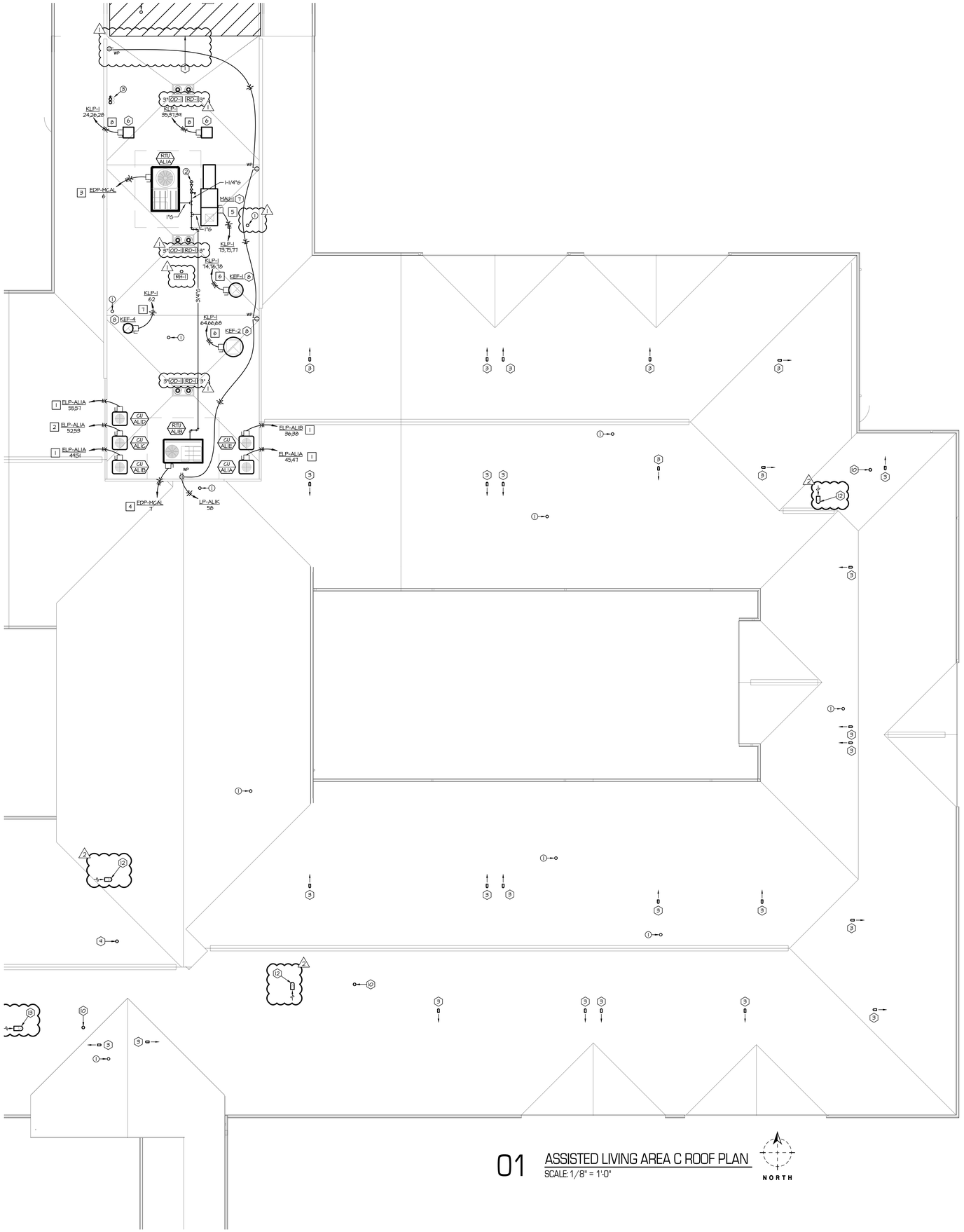

01 ASSISTED LIVING AREA C ROOF PLAN
SCALE: 1/8" = 1'-0"

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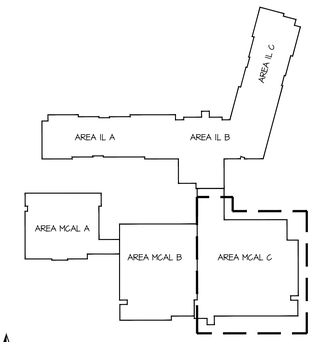
7. INSTALL MAKE-UP AIR UNIT FURNISHED BY THE KITCHEN CONTRACTOR AND SET CURB.
8. INSTALL KITCHEN HOOD EXHAUST FAN FURNISHED BY KITCHEN CONTRACTOR AND SET CURB.
9. FURNACE COMMON VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
10. FURNACE CONCENTRIC VENT TERMINATION. REFER TO DETAIL ON MCAL M5.1.
11. 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 637 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.



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

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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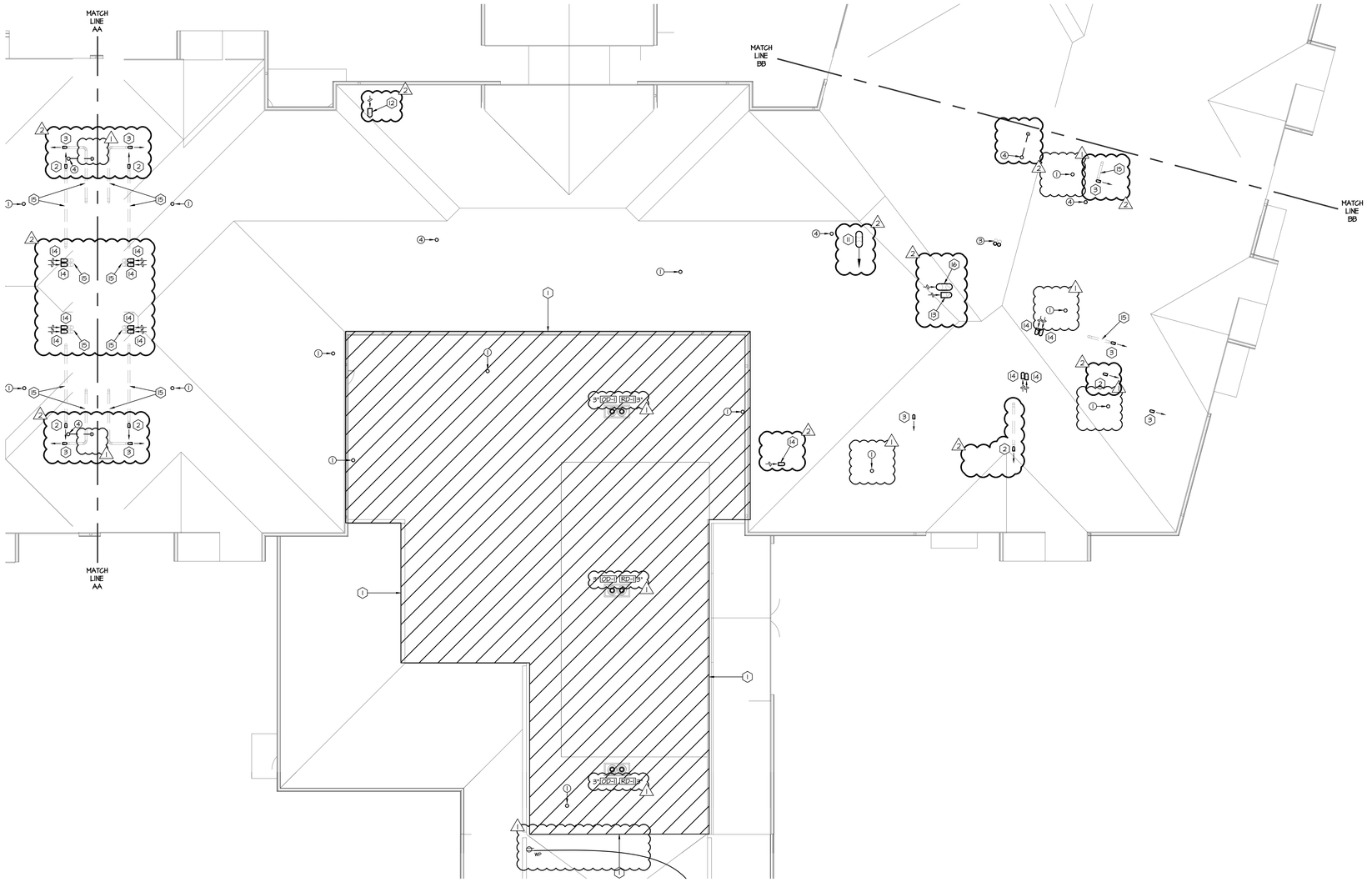


01 INDEPENDENT LIVING AREA B ROOF PLAN

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.
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

2
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

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

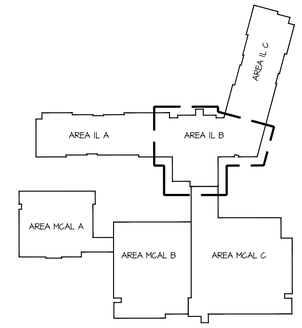
2
12. 8" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 634 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE AIR INTAKE DETAIL DETAIL ON MCAL/IL M5.1
13. 10" OUTSIDE AIR INTAKE ROOF CAP. PROVIDE BROAN MODEL 431 ROOF CAP WITHOUT BACKDRAFT DAMPER. REFER TO BATHROOM EXHAUST & OUTSIDE 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

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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H&B ENGINEERS
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11205 West 79th Street
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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 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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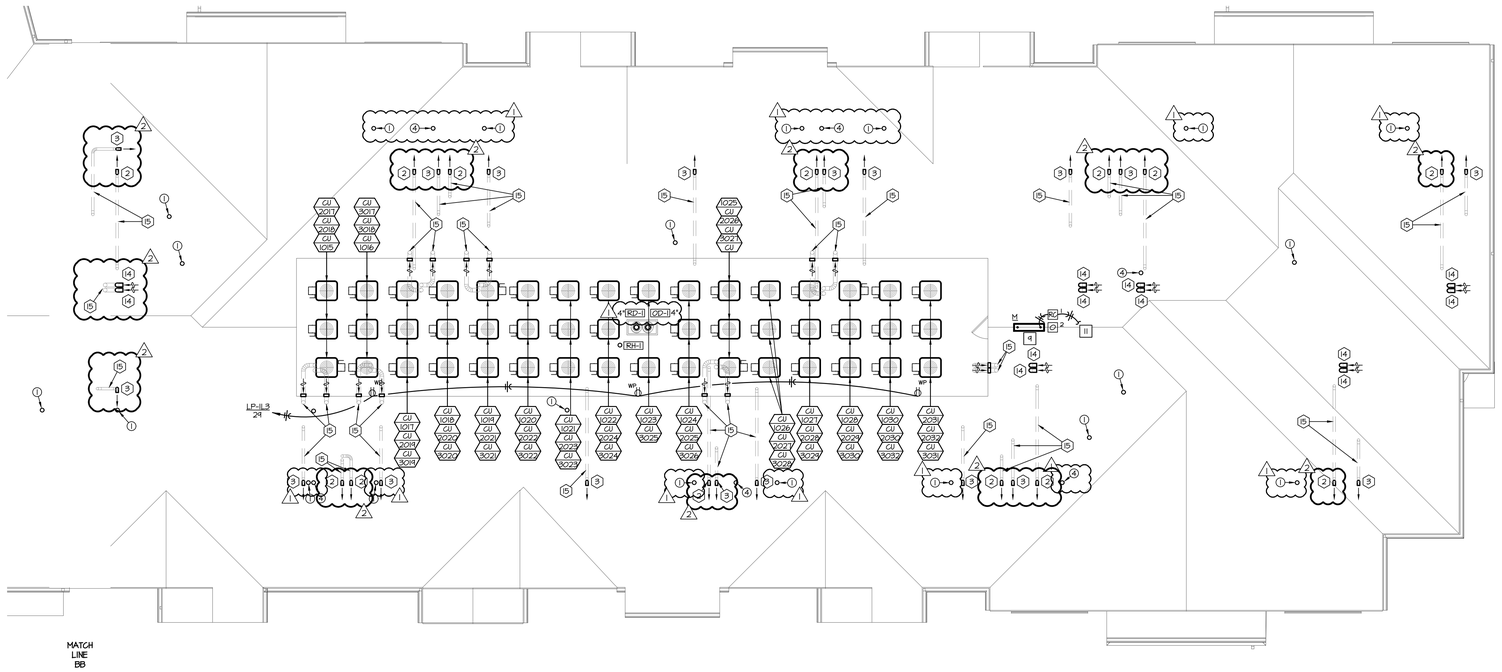
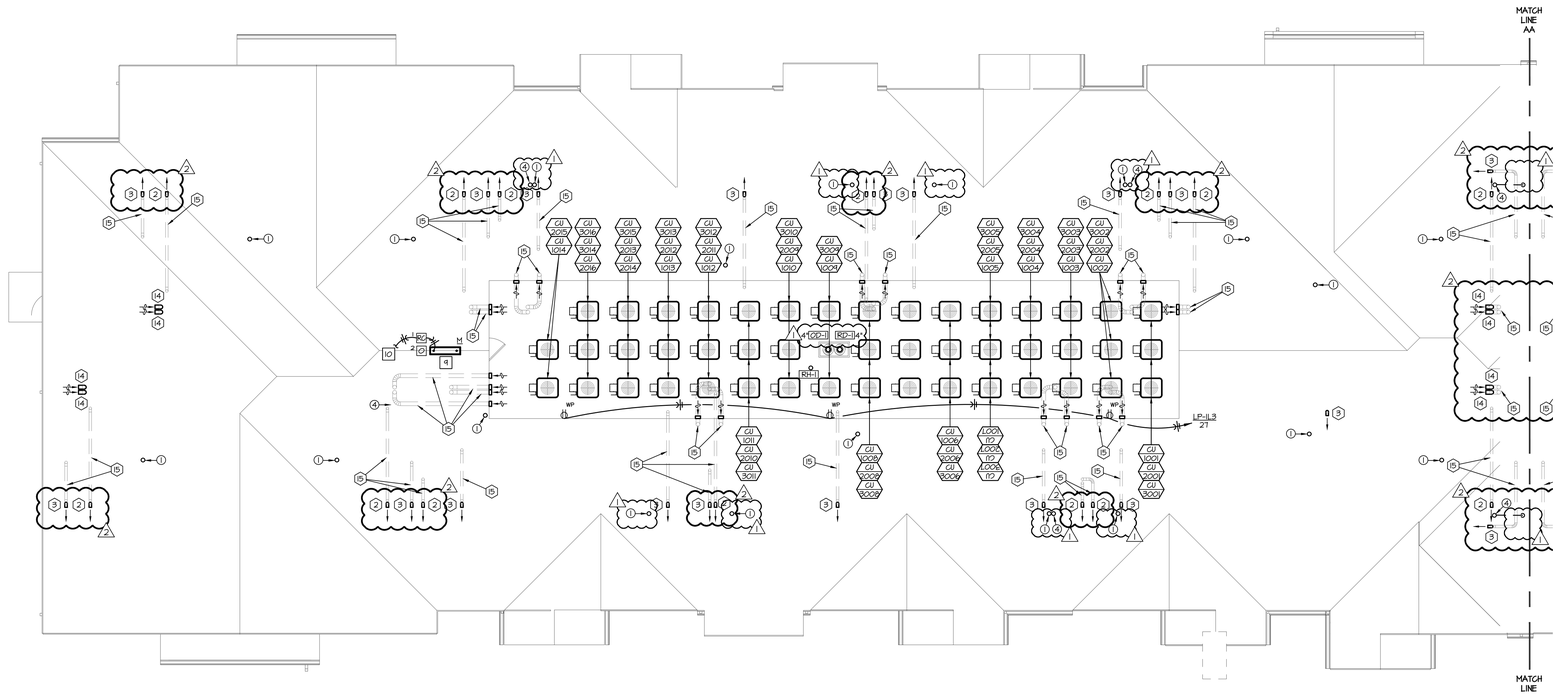


01 INDEPENDENT LIVING AREA A ROOF PLAN
SCALE: 1/8" = 1'-0"



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

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
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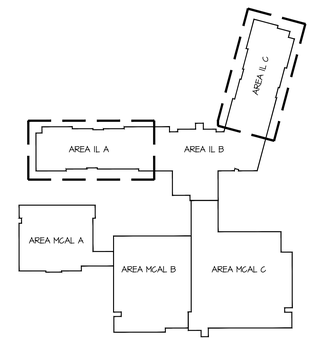
2

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

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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H&B PROJECT NUMBER : 1820588
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LEE'S SUMMIT SENIOR COMMUNITY

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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

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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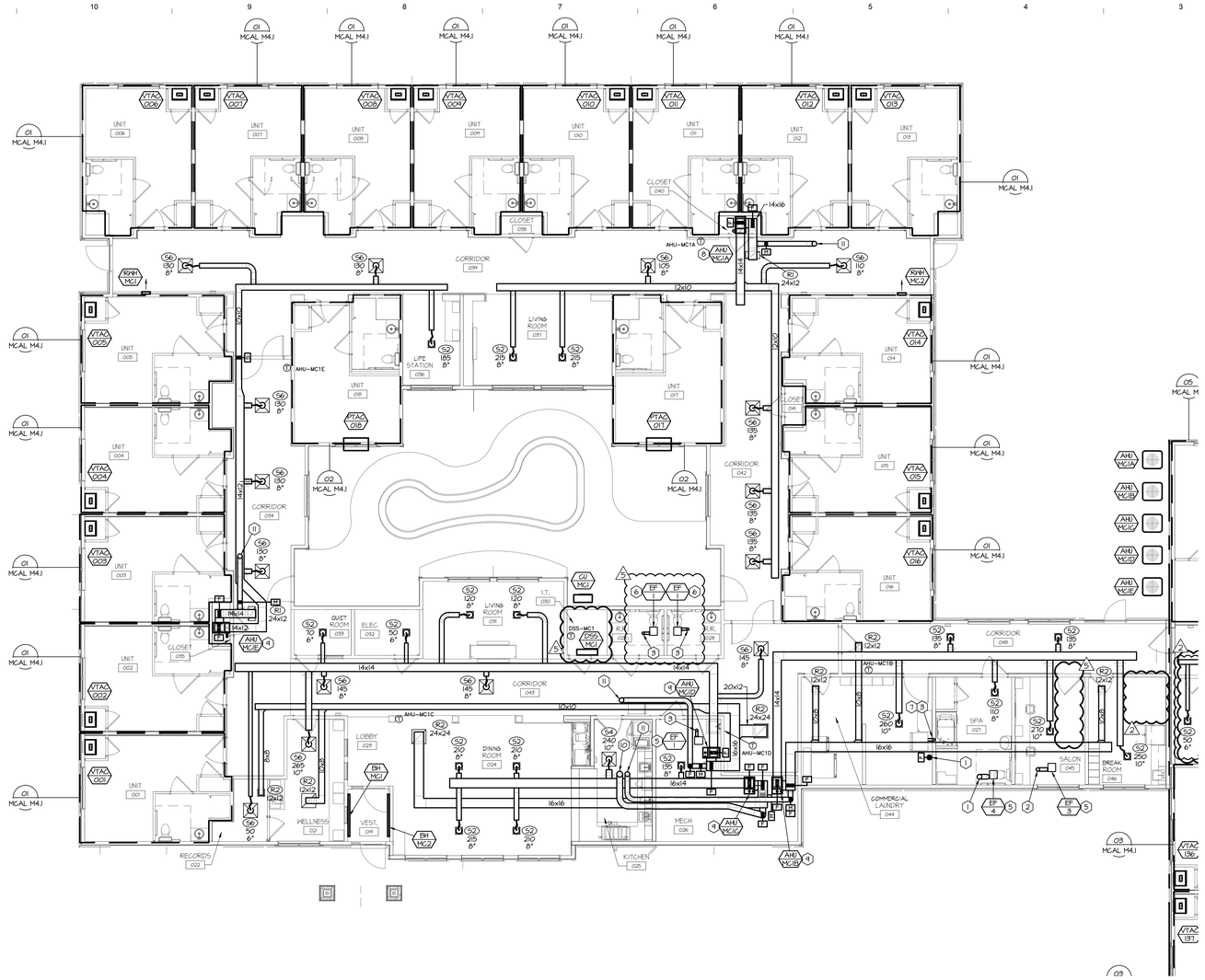


01 1ST FLOOR AREA A - MECHANICAL

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.

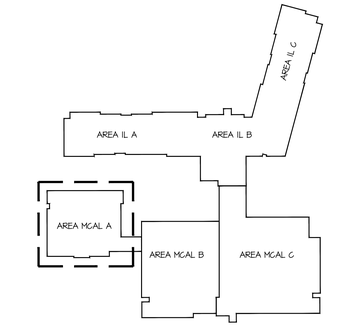
J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

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.



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

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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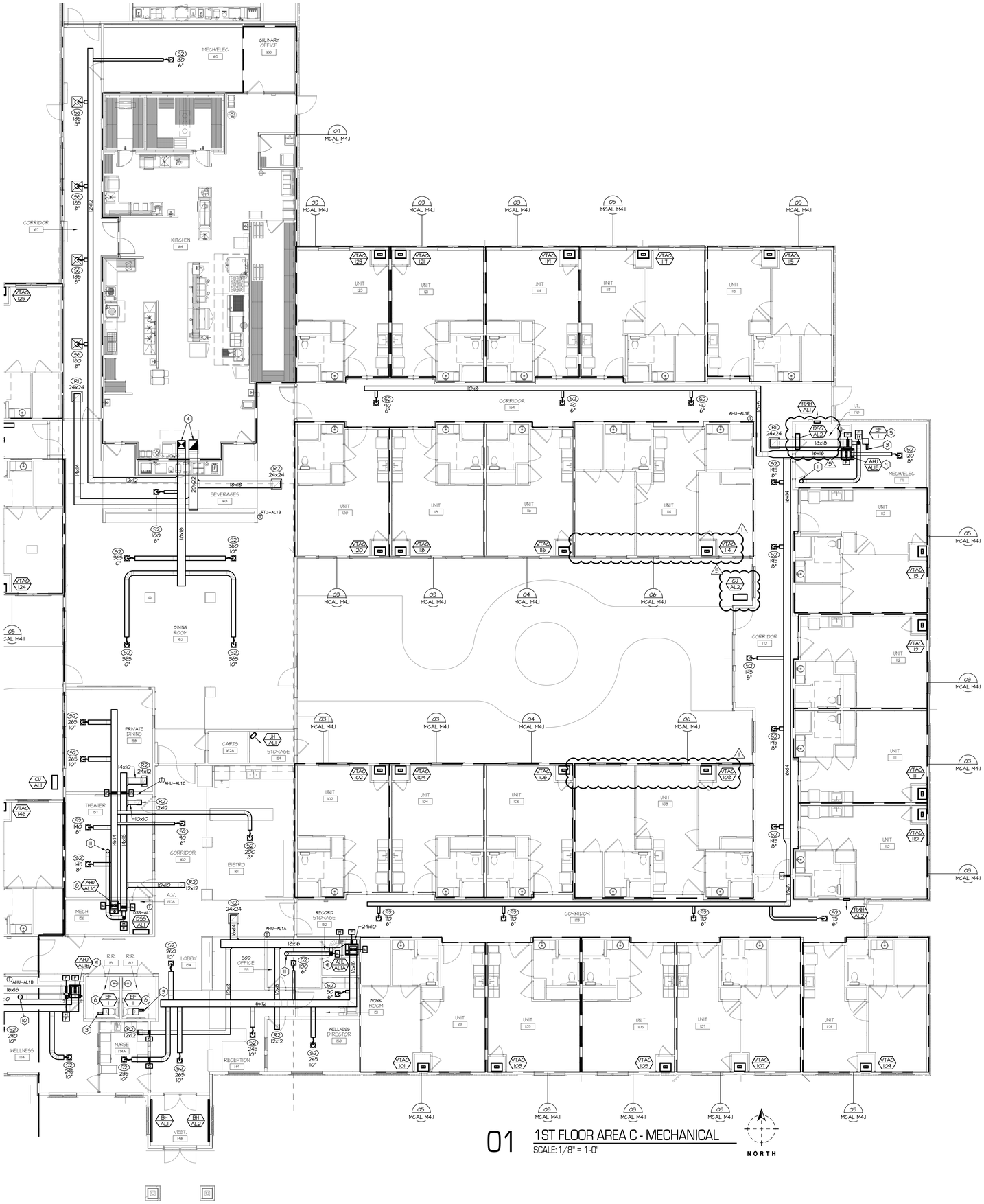


01 1ST FLOOR AREA C - MECHANICAL

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

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.

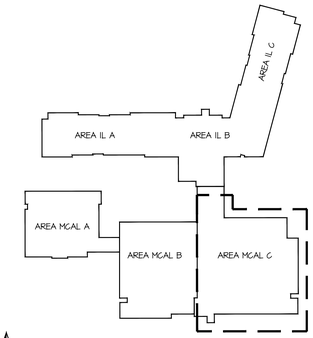
J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

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-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.
8. PROVIDE FLUE TO ROOF PER MANUFACTURER. REFER TO DETAIL ON SHEET M.CAL M5.1.
9. PROVIDE CONCENTRIC INTAKE/VENT TO ROOF PER MANFACTURER. REFER TO DETAIL ON SHEET M.CAL 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

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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 C
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 M1.3

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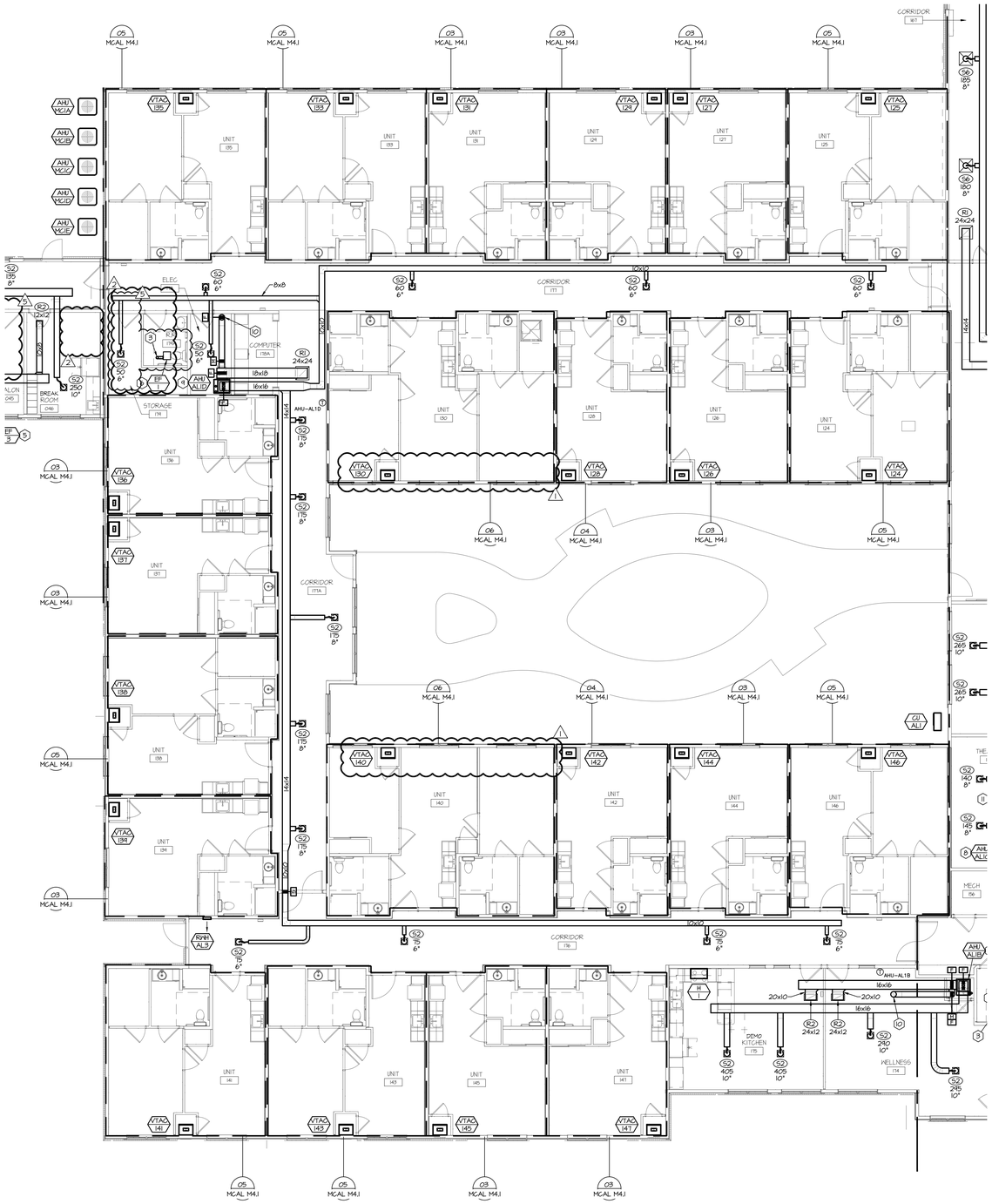


01 1ST FLOOR AREA B - MECHANICAL

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.

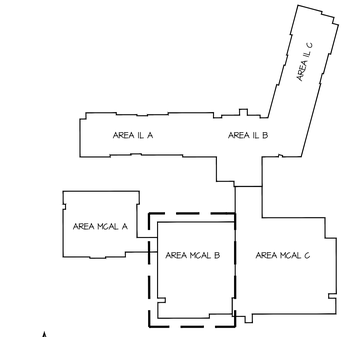
J. INSTALL FIRE OR FIRE/SMOKE DAMPER IN ALL DUCTWORK AS REQUIRED PER IMC 2018, SECTION 607.5.

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.

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

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SEAL

PE - CASEY JOHN STEINER
LICENSE NO. 2009035182

STATE OF MISSOURI · CASEY JOHN STEINER · NUMBER PE-2009035182 · REGISTERED 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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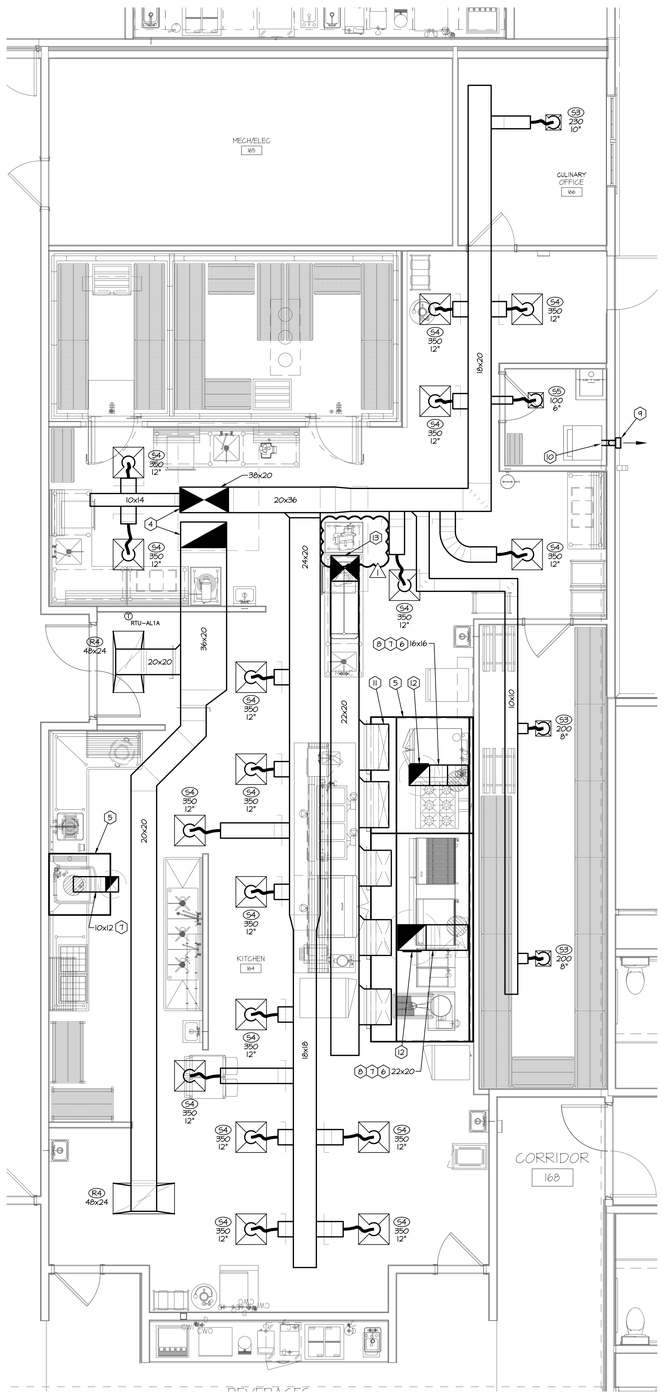
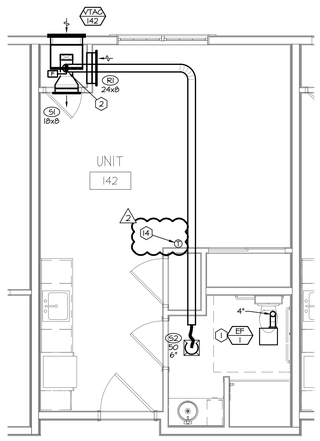
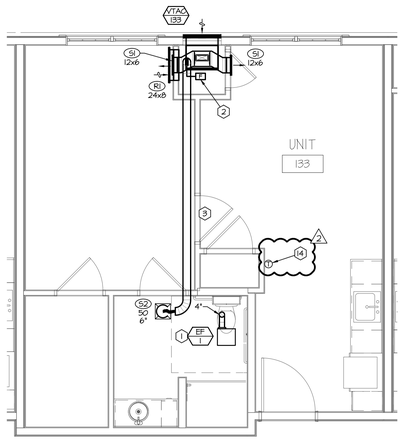


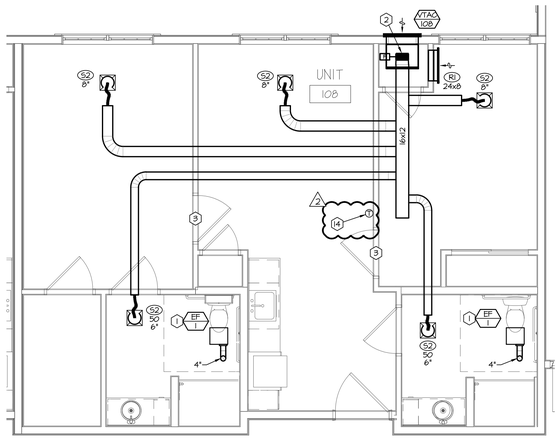
07 ENLARGED PLAN MECHANICAL
MCAL/IL KITCHEN
SCALE: 1/4" = 1'-0"



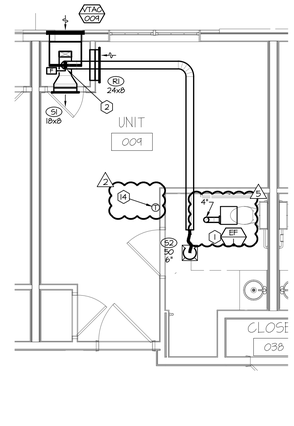
04 ENLARGED PLAN MECHANICAL
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"



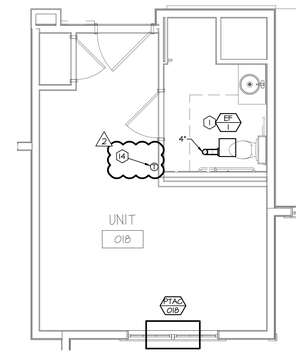
05 ENLARGED PLAN MECHANICAL
AL UNIT TYPE E
SCALE: 1/4" = 1'-0"



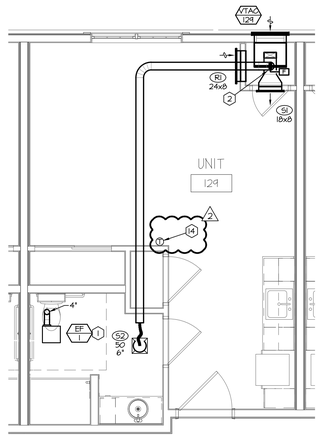
06 ENLARGED PLAN MECHANICAL
AL UNIT TYPE F
SCALE: 1/4" = 1'-0"



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. (1)
14. THERMOSTAT SHALL BE MOUNTED IN LOCATIONS AND AT HEIGHTS THAT MEET ALL ADA ACCESSIBILITY REQUIREMENTS IN UNITS CALLED OUT AS ADA BY ARCHITECT. (1)

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SEAL
PE - CASEY JOHN STEINER
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8/10/19

ENLARGED PLANS
MECHANICAL
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
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MCAL M4.1

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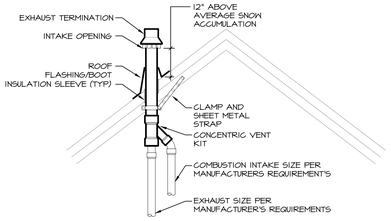
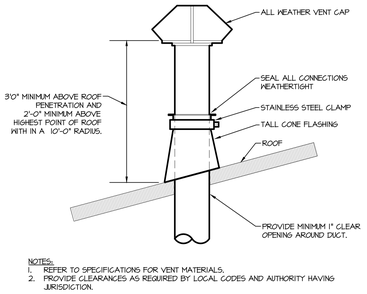


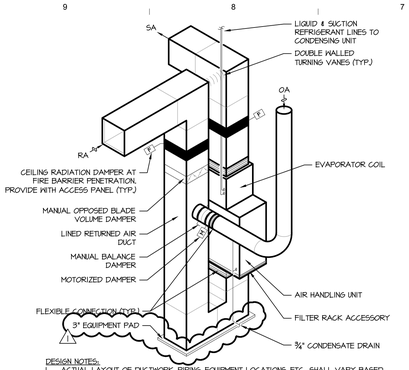
NOTES:
1. CONCENTRIC VENT KIT SHALL INCLUDE RAIN CAP AND WYE CONCENTRIC FITTINGS.
2. FLAT ROOF INSTALLATION SIMILAR.

17 CONCENTRIC VENT TERMINATION DETAIL
SCALE: NOT TO SCALE



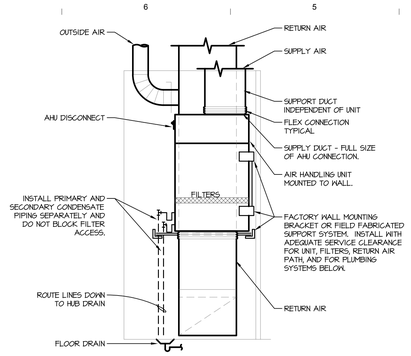
NOTES:
1. REFER TO SPECIFICATIONS FOR VENT MATERIALS.
2. PROVIDE CLEARANCES AS REQUIRED BY LOCAL CODES AND AUTHORITY HAVING JURISDICTION.

18 FLUE TERMINATION DETAIL
SCALE: NOT TO SCALE

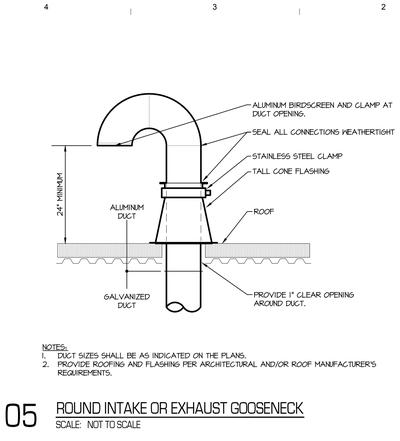


DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

13 AIR HANDLING UNIT DETAIL
SCALE: NOT TO SCALE

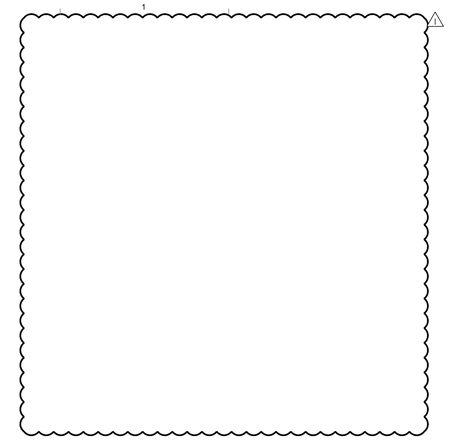


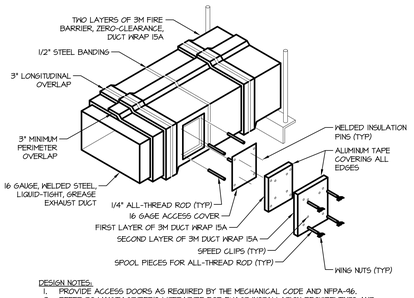
09 TYPICAL AIR HANDLING UNIT CLOSET DETAIL
SCALE: NOT TO SCALE



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

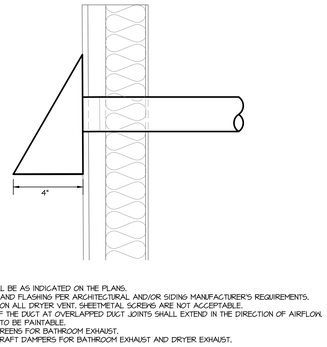
05 ROUND INTAKE OR EXHAUST GOOSENECK
SCALE: NOT TO SCALE





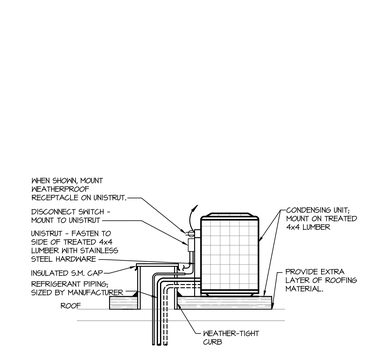
DESIGN NOTES:
1. PROVIDE ACCESS DOORS AS REQUIRED BY THE MECHANICAL CODE AND NFPA-96.
2. REFER TO MANUFACTURER'S LITERATURE FOR EXACT INSTALLATION REQUIREMENTS AND PROVIDE CLEANOUT COVERING AS SHOWN IN MANUFACTURER'S LITERATURE

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

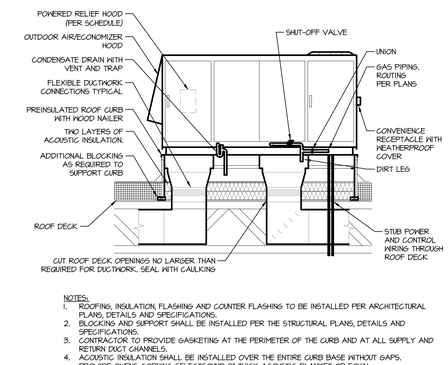


NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE SIDING AND FLASHING PER ARCHITECTURAL AND/OR SIDING MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION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

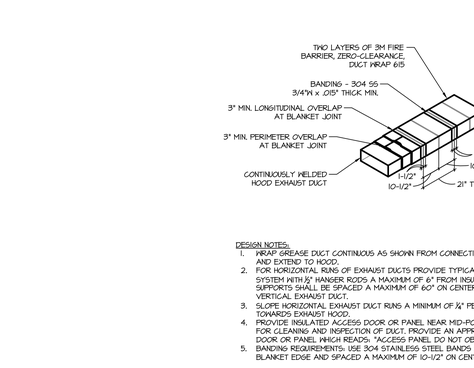


06 CONDENSING UNIT MOUNTING DETAIL
SCALE: NOT TO SCALE



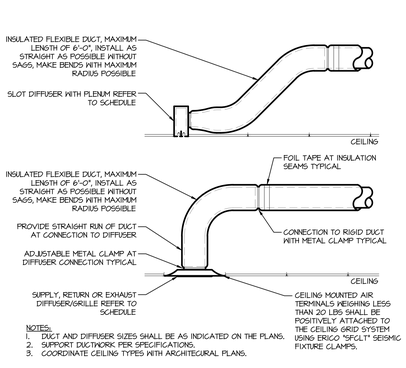
NOTES:
1. ROOFING, INSULATION, FLASHING AND COUNTER FLASHING TO BE INSTALLED PER ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS.
2. BLOCKING AND SUPPORT SHALL BE INSTALLED PER THE STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
3. CONTRACTOR TO PROVIDE GASKETING AT THE PERIMETER OF THE CURB AND AT ALL 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



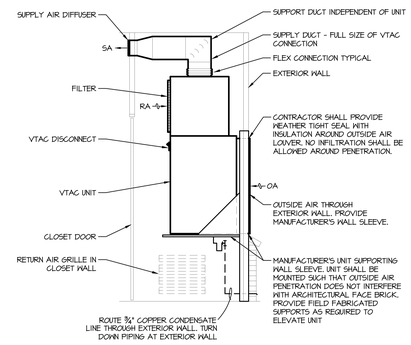
DESIGN NOTES:
1. LAYOUT SHOWN IS SCHEMATIC AND INTENDED TO SHOW GENERAL REQUIREMENTS. REFERENCE PLANS FOR LAYOUT.
2. REFER TO SPECIFICATIONS FOR FIRE-WRAP INSULATION.

11 KITCHEN HOOD EXHAUST SCHEMATIC
SCALE: NOT TO SCALE

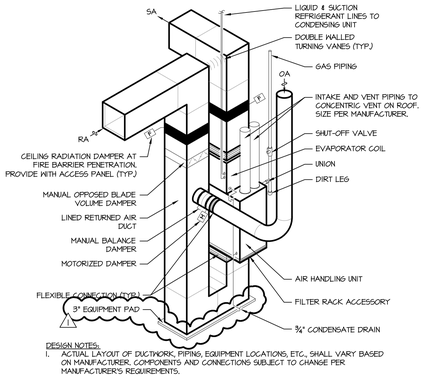


NOTES:
1. DUCT AND DIFFUSER SIZES SHALL BE AS INDICATED ON THE PLANS.
2. SUPPORT DUCTWORK PER SPECIFICATIONS.
3. COORDINATE CEILING TYPES WITH ARCHITECGURAL PLANS.

07 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE

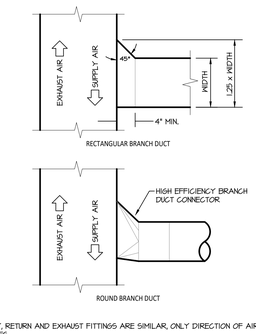


16 TYPICAL VTAC UNIT CLOSET DETAIL
SCALE: NOT TO SCALE



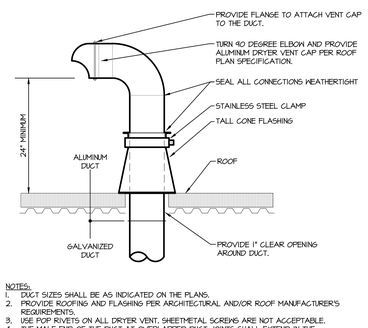
DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

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

SWD ARCHITECTS
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ARCHITECTURAL CORPORATION
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PE - CASEY JOHN STEINER
LICENSE NO. 2009035182
STATE OF MISSOURI
CASEY JOHN STEINER
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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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-AL1A	TRANE	4PXA+S9V2B	150	1400	0.5	77.4/62.3	55.0/51.6	40	39	2	120/1	13.9	20	CU-AL1A	4TTR3048	208/1	28	45	1,2,3
AHU-AL1B	TRANE	4PXA+S9V2B	205	1395	0.5	78.1/62.0	55.0/50.2	120	113	2	120/1	13.9	20	CU-AL1B	4TTR3048	208/1	28	45	1,2,3,4
AHU-AL1C	TRANE	4PXA+TUD2B	160	1105	0.5	78.0/65.6	55.0/53.6	60	48	2	120/1	10.5	20	CU-AL1C	4TTR3030	208/1	16	25	1,2,3,4
AHU-AL1D	TRANE	4PXA+S9V2B	190	1515	0.75	76.9/62.8	55.0/52.8	120	113	2	120/1	13.9	20	CU-AL1D	4TTR3048	208/1	28	45	1,2,3
AHU-AL1E	TRANE	4PXA+S9V2B	155	1650	0.75	76.7/62.7	55.0/52.8	120	113	2	120/1	13.9	20	CU-AL1E	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.

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.

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.

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

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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

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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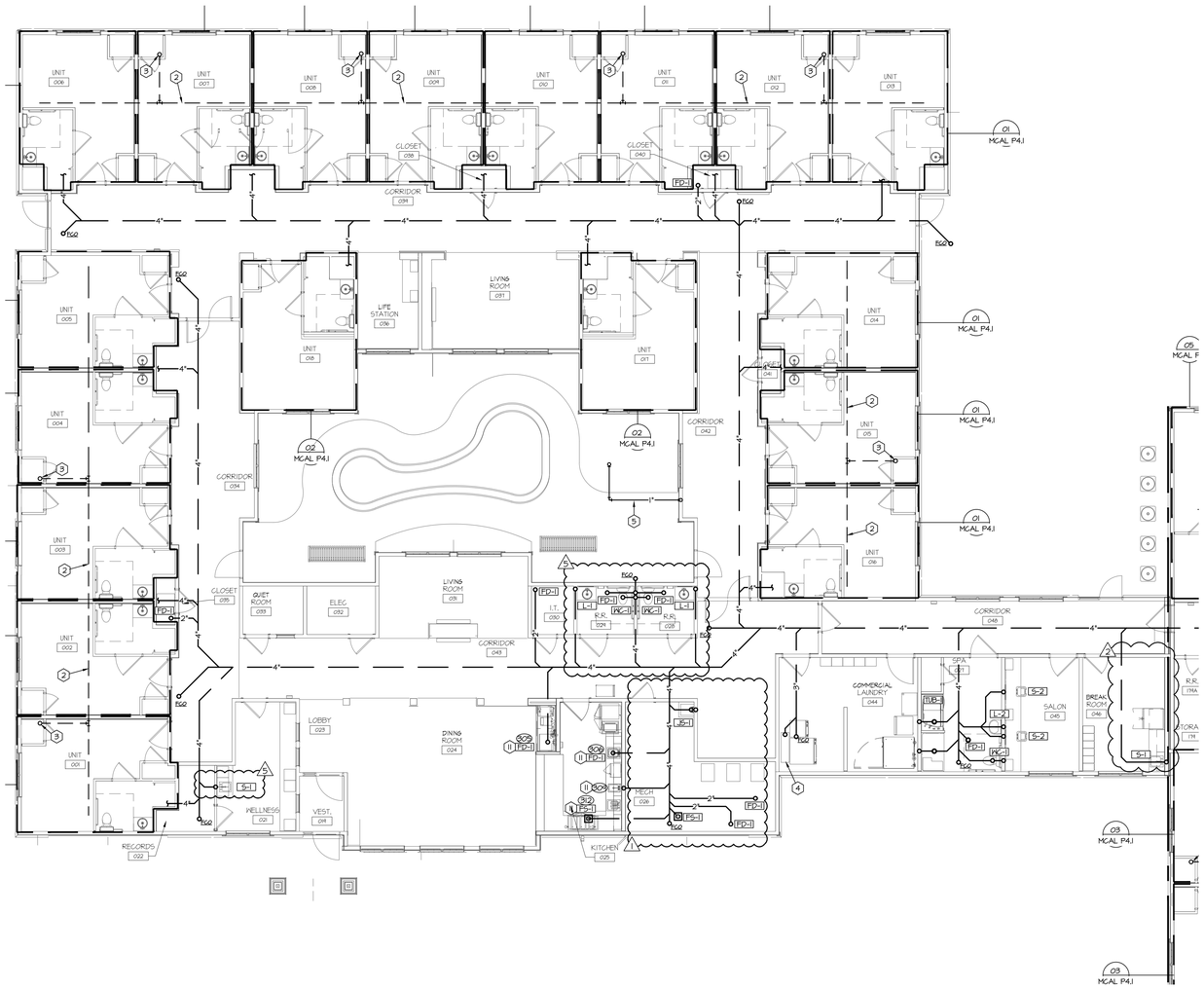


01 1ST FLOOR AREA A - BELOW GRADE PLUMBING

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.

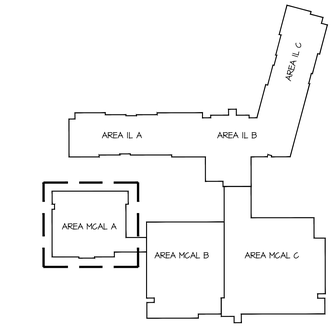
R. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

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, 16"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. ROVIDE 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

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STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
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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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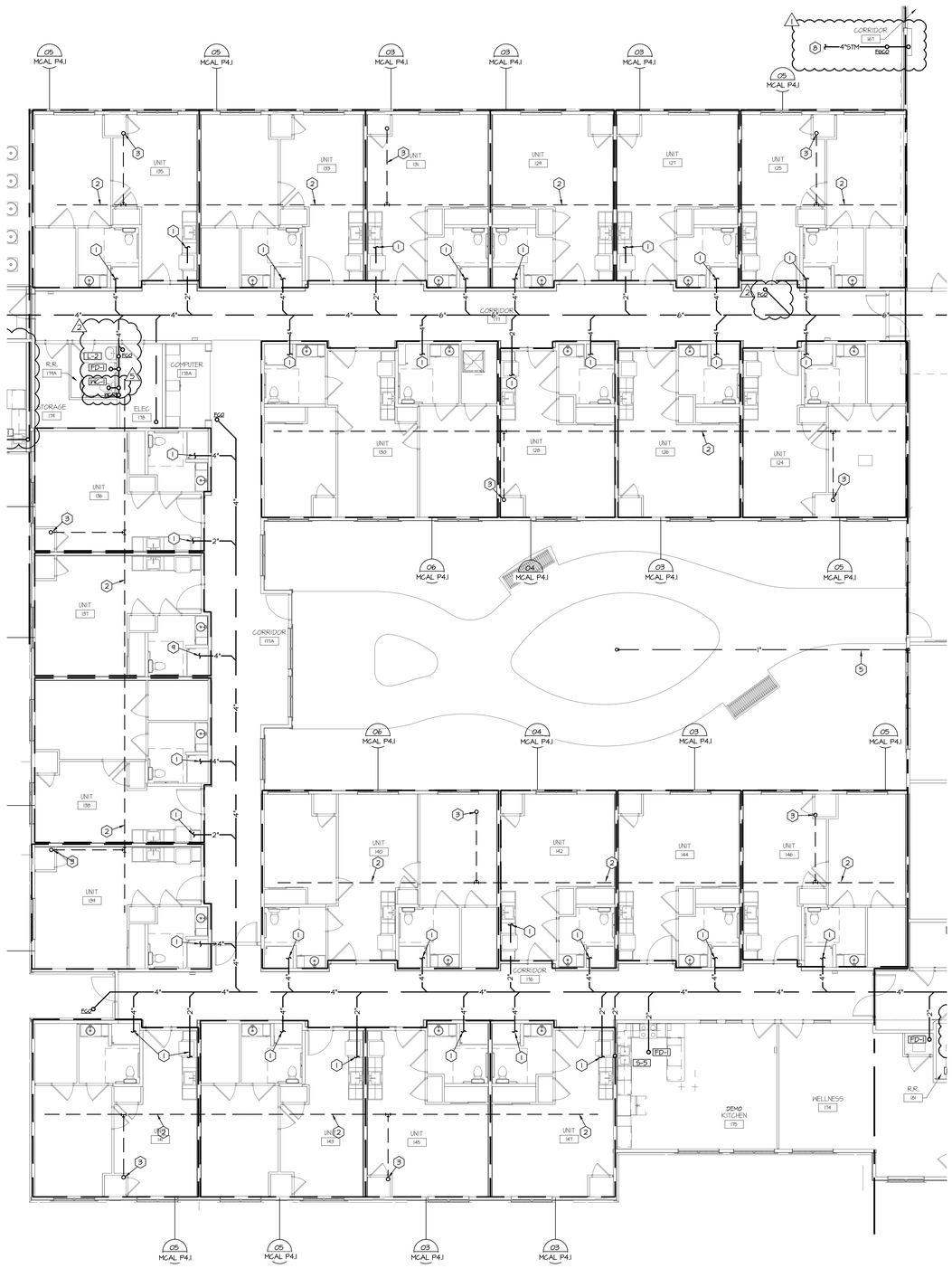


01 1ST FLOOR AREA B - BELOW GRADE PLUMBING

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

NORTH

GENERAL NOTES:

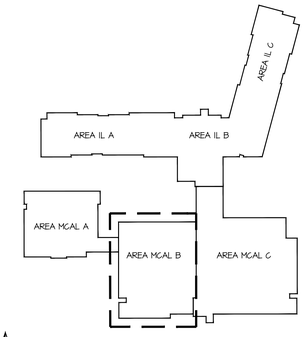
A. REFER TO SHEET MCAL P0.1 FOR PLUMBING GENERAL NOTES.

PLAN NOTES:

1. REFER TO ENLARGED PLUMBING PARTIAL PLAN SHEET MCAL P4.1 FOR BELOW GRADE PLUMBING WITHIN RESIDENCE ROOMS.
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"H. 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" 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.
11. INSTALL FIXTURE PROVIDED BY OTHERS. COLD AND HOT WATER, SANITARY AND VENT PIPING TO FIXTURE. SEE KITCHEN EQUIPMENT SCHEDULE FOR CONNECTION SIZES.
12. ROVIDE 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

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
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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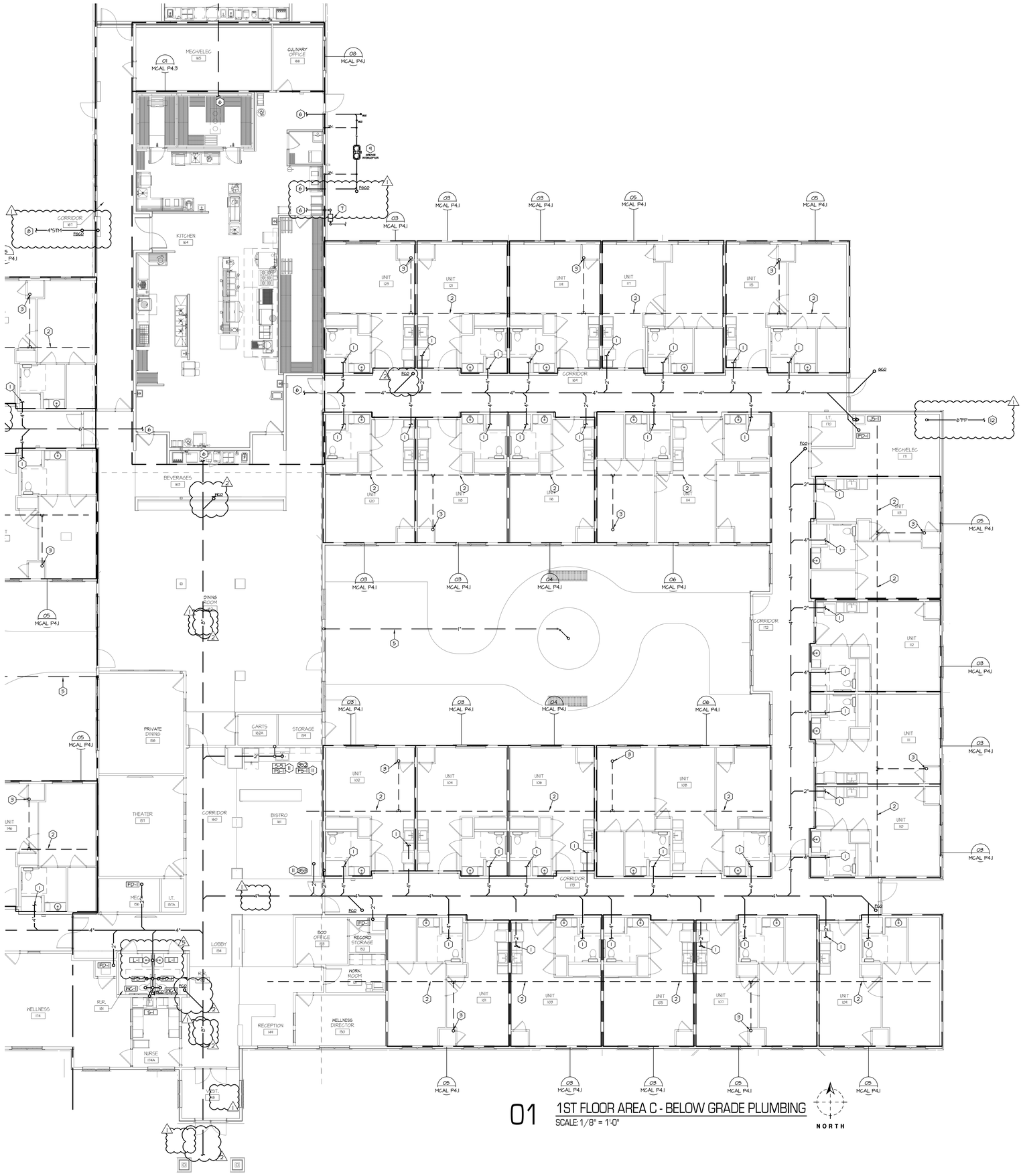


01 1ST FLOOR AREA C - BELOW GRADE PLUMBING

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

NORTH

GENERAL NOTES:

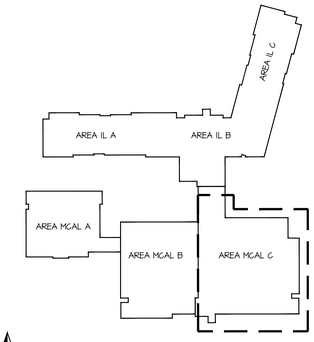
A. REFER TO SHEET MCAL P0.1 FOR PLUMBING GENERAL NOTES.

PLAN NOTES:

1. REFER TO ENLARGED PLUMBING PARTIAL PLAN SHEET MCAL P4.1 FOR BELOW GRADE PLUMBING WITHIN RESIDENCE ROOMS.
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. ROVIDE 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

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 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
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PROJECT NO.:1811

MCAL P0.3

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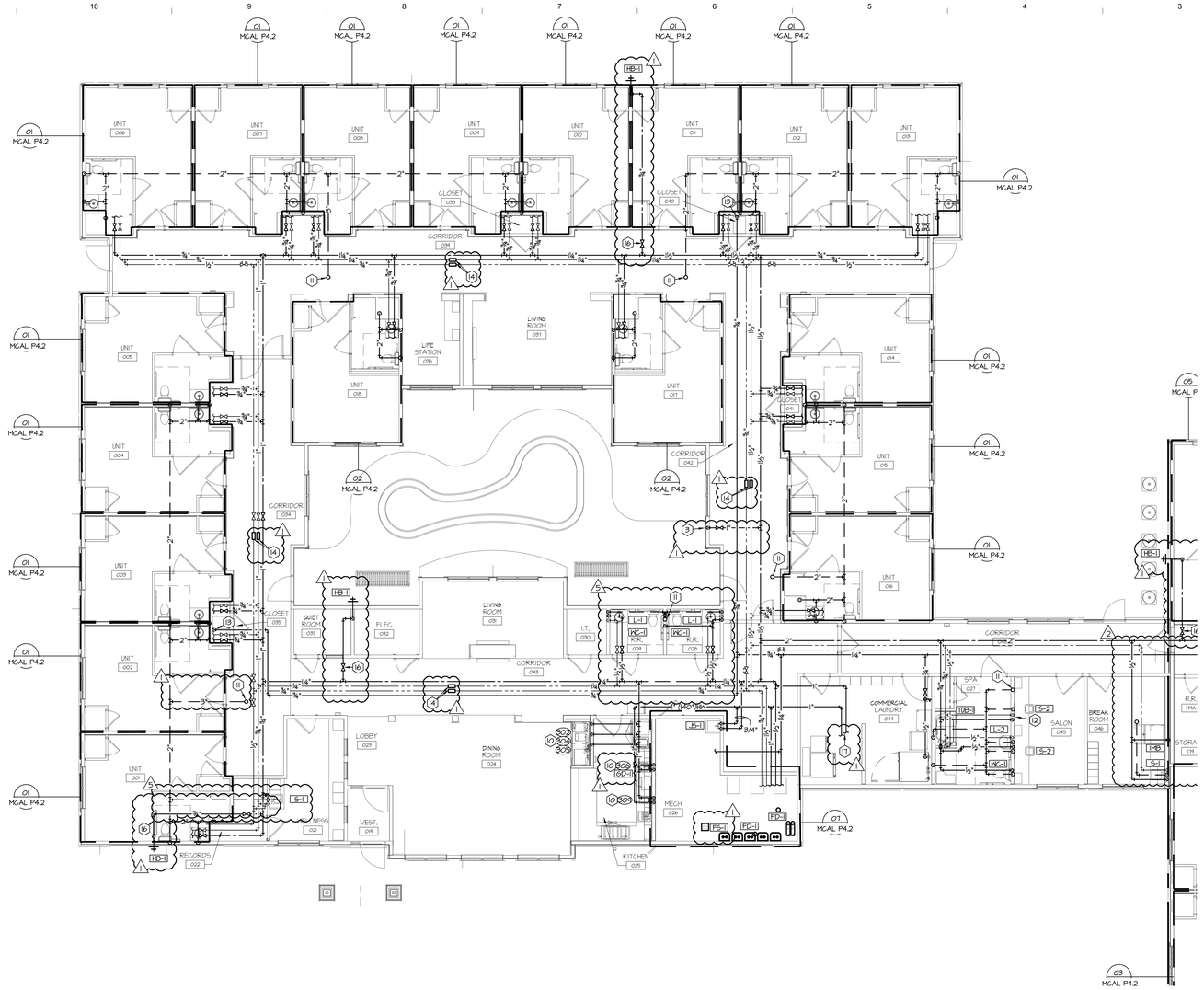


01 1ST FLOOR AREA A - PLUMBING

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

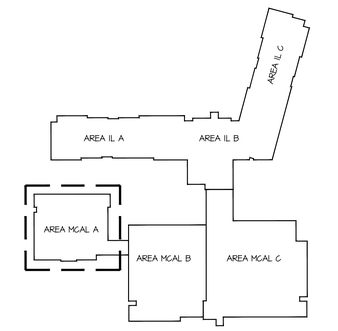
NORTH

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 30. 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.



NORTH

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PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
PLAN AREA A
PLUMBING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
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PROJECT NO.:1811

MCAL P1.1

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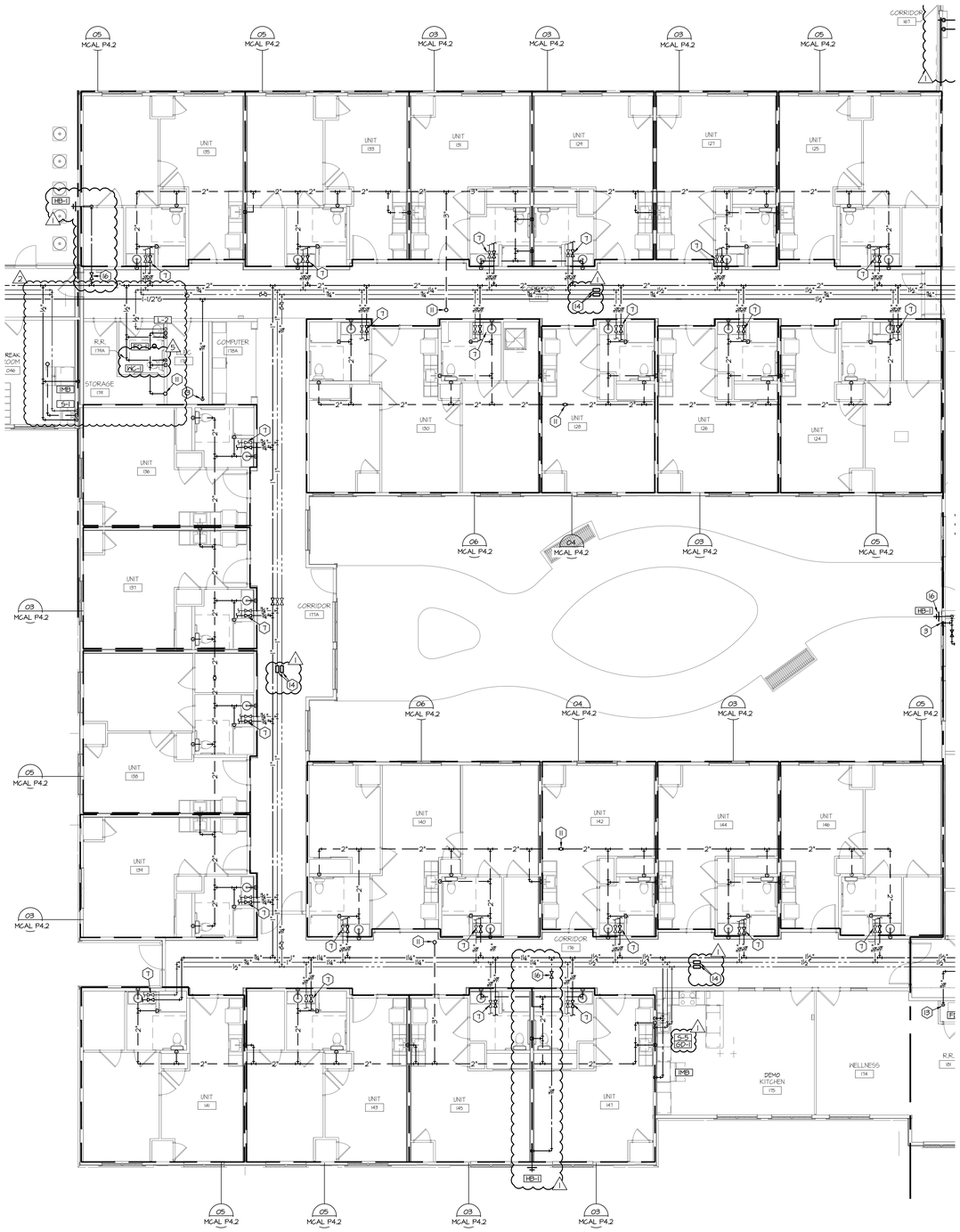
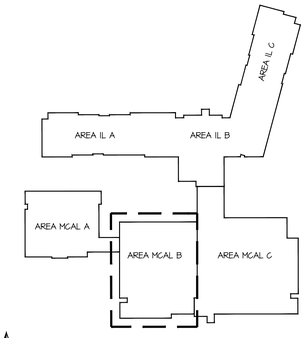


01 1ST FLOOR AREA B - PLUMBING
SCALE: 1/8" = 1'-0"

NORTH



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PROJECT NO.:1811

MCAL
P1.2

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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.
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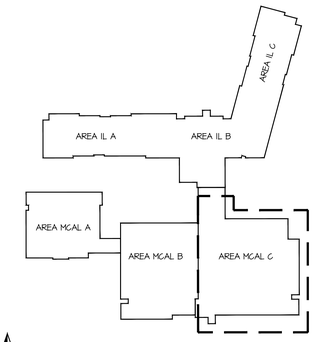
11. 3" VENT THROUGH ROOF.
12. ¾" COLD WATER AND ¾" TEMPERED HOT WATER DOWN IN WALL SERVING SALON SINKS.
13. GAS LINE DOWN TO AHU.
14. EXPANSION COMPENSATOR, TYPICAL OF FLEXCRAFT COMPENSATOR 35. EACH COMPENSATOR SHALL BE SAME SIZE AS PIPE AT THIS LOCATION.
15. ¾" COLD WATER LINE UP TO ROOF HYDRANT RH-1.
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.

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

NORTH



NORTH

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8/10/19

FIRST FLOOR
PLAN AREA C
PLUMBING
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PROJECT NO.:1811

MCAL P1.3

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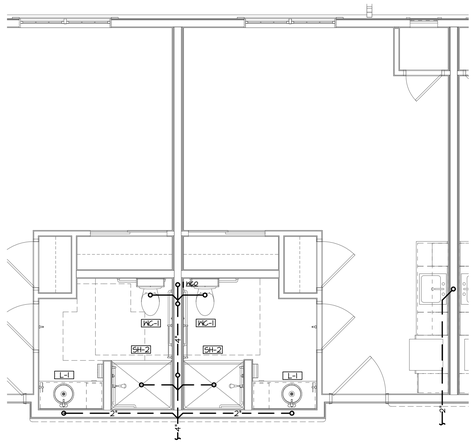
GENERAL NOTES:

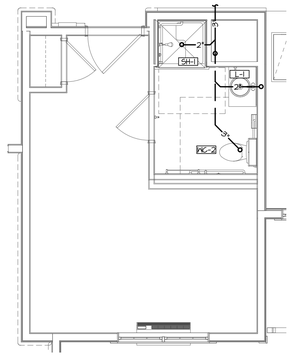
A. REFER TO SHEET MCAL P0.1 FOR PLUMBING GENERAL NOTES.

PLAN NOTES:

1. ...



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



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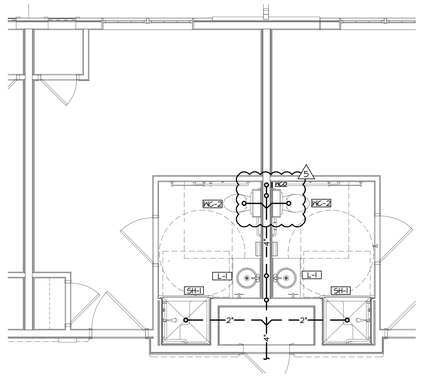
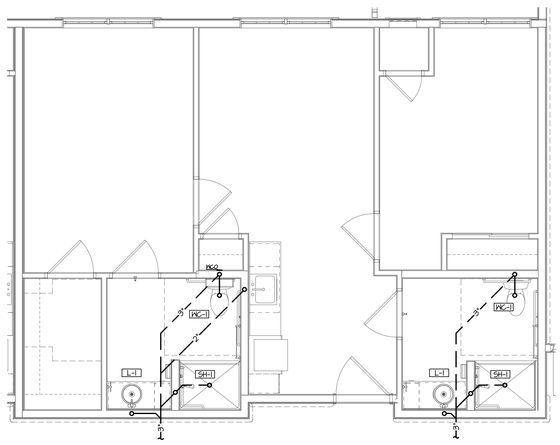
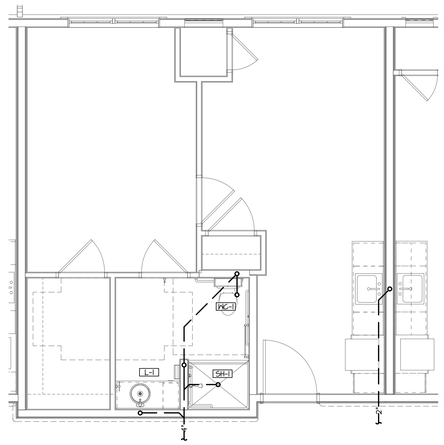
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"



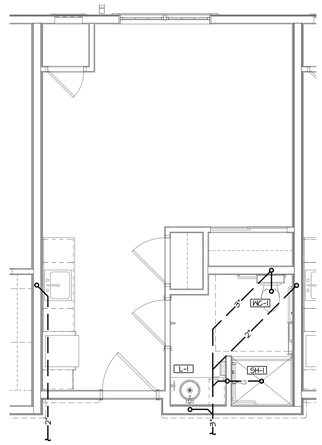
01 ENLARGED PLAN BELOW GRADE PLUMBING
MC UNIT TYPE A
SCALE: 1/4" = 1'-0"



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



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"

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
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CASEY JOHN STEINER
NUMBER
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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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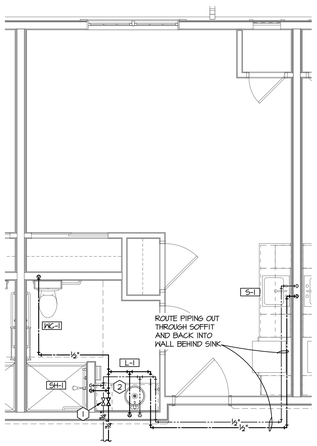
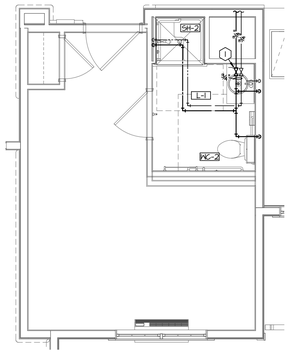


03 ENLARGED PLAN ABOVE GRADE PLUMBING
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"



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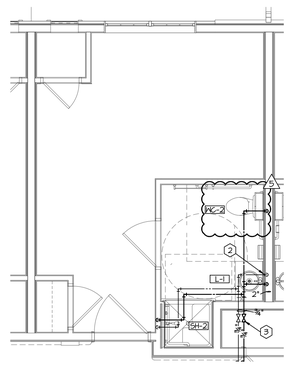
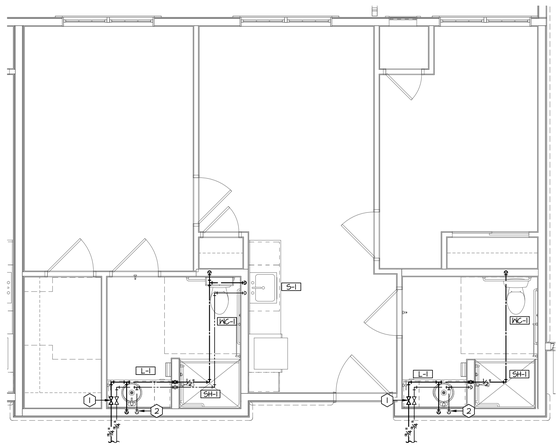
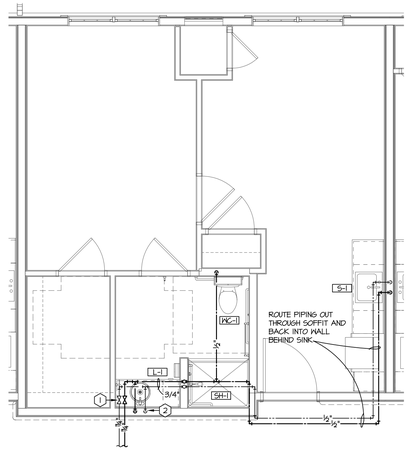
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"



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



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



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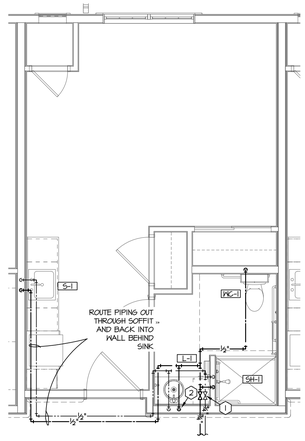

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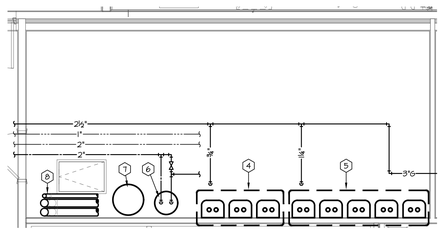
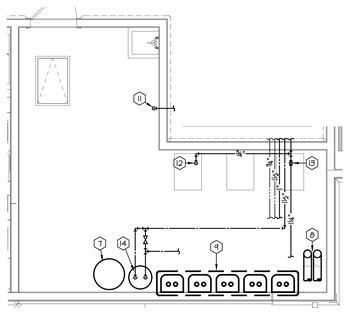
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"



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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STARK WILSON DUNCAN ARCHITECTS INC
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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
ABOVE GRADE PLUMBING
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
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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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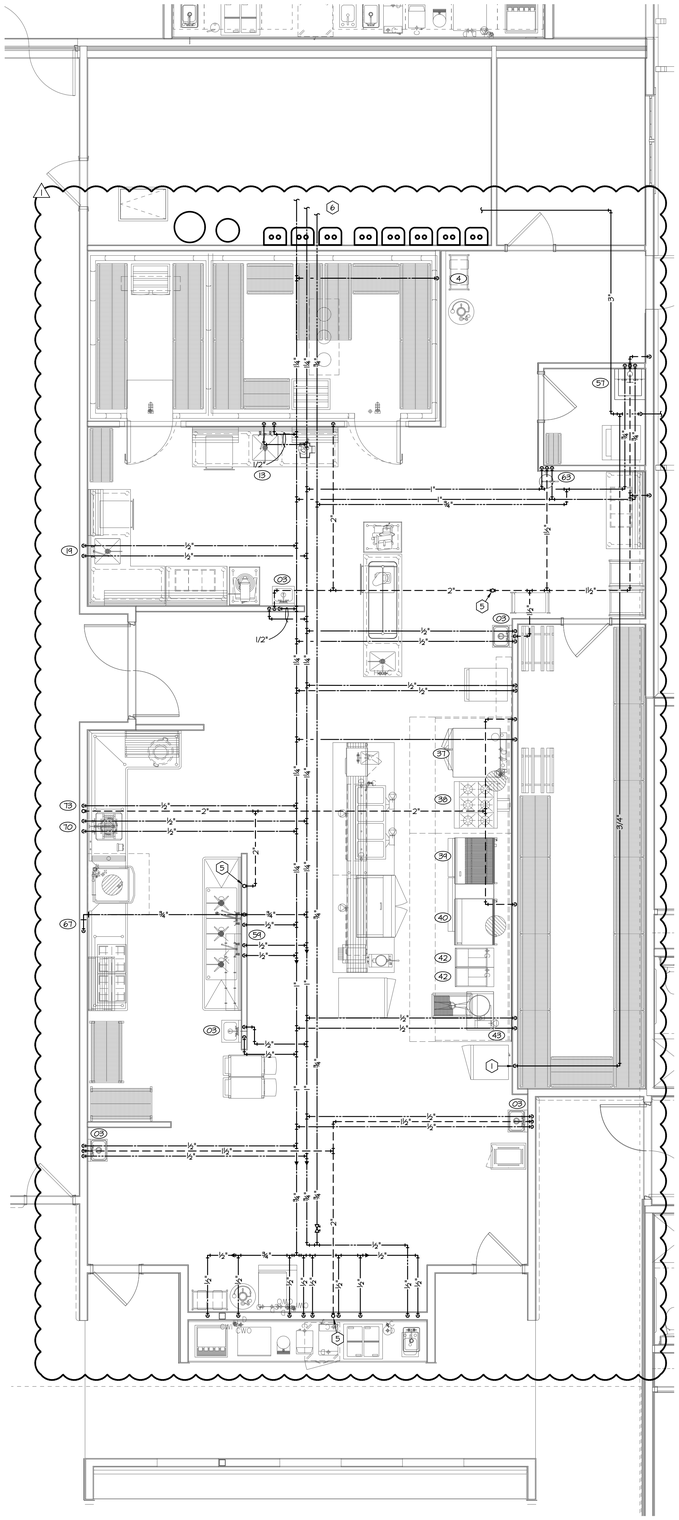
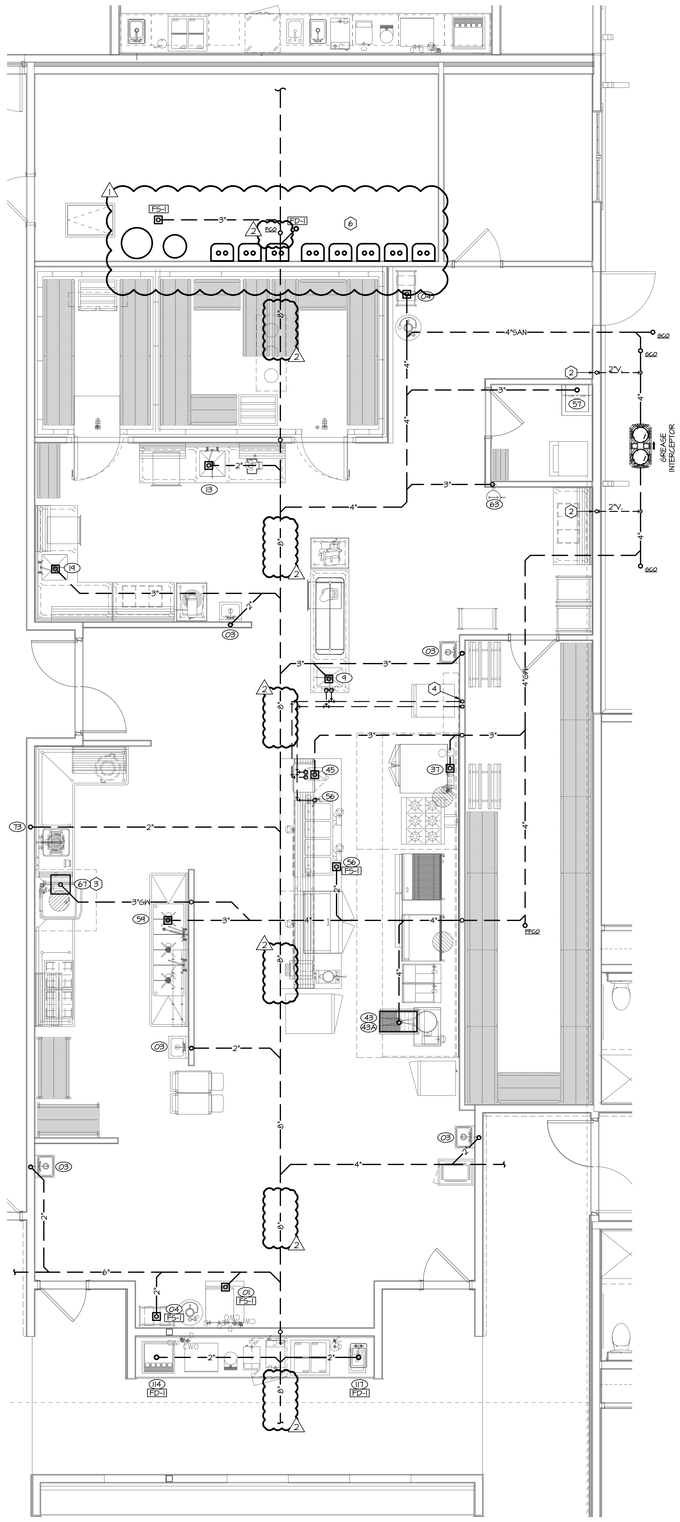


02 ENLARGED PLAN ABOVE GRADE PLUMBING - MCAL KITCHEN
SCALE: 1/4" = 1'-0"



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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ENLARGED KITCHEN PLAN
PLUMBING
MEMORY CARE ASSISTED LIVING

ISSUE DATE:
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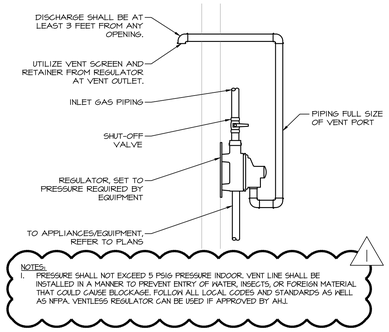
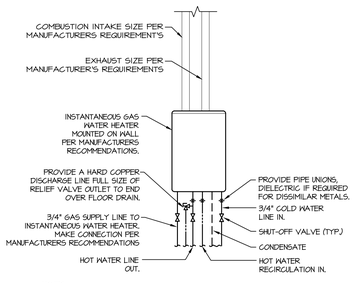
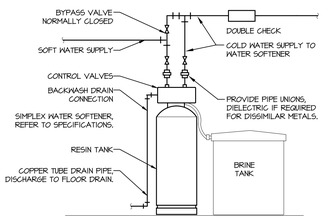


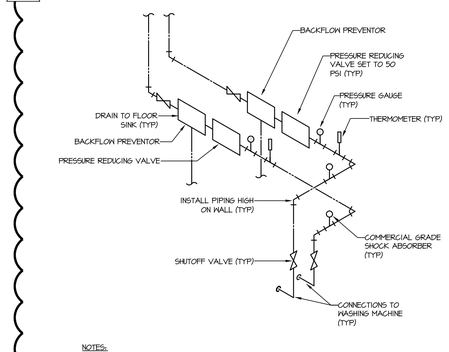
09 VENTING INDOOR GAS REGULATOR
SCALE: NOT TO SCALE



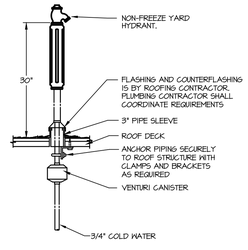
10 INSTANTANEOUS GAS HEATER DETAIL
SCALE: NOT TO SCALE



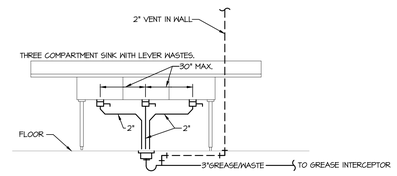
11 Simplex Water Softener
SCALE:Not to Scale



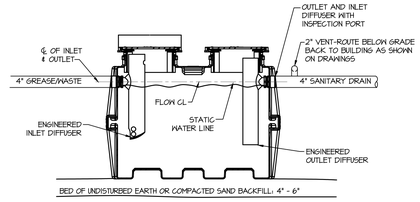
12 LAUNDRY SUPPLY RISER
SCALE: NOT TO SCALE



05 ROOF HYDRANT
SCALE: NOT TO SCALE



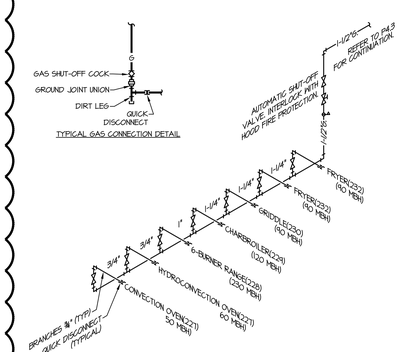
06 THREE COMPARTMENT SINK PIPING DETAIL
SCALE: NOT TO SCALE



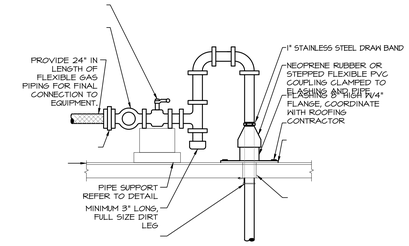
DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED INTERCEPTOR INSTALLATION PLANS AND SPECIFICATIONS TO LOCAL AUTHORITIES FOR THEIR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. INLET PIPE INVERT TO BE SAME AS TOP OF DISCHARGE PIPE. PROVIDE CLEANOUTS AS SHOWN OR AS REQUIRED.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

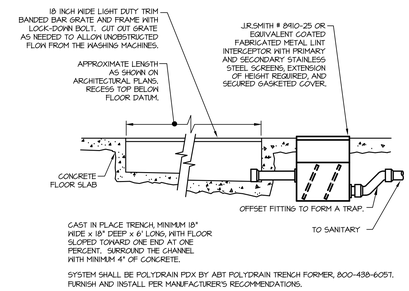
07 TYPICAL GREASE INTERCEPTOR DETAIL
SCALE: NOT TO SCALE



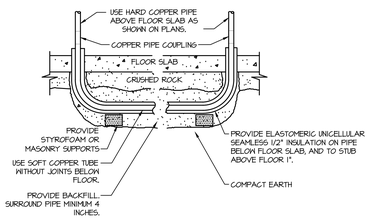
08 ASSISTED LIVING KITCHEN GAS MANIFOLD RISER
SCALE: NOT TO SCALE



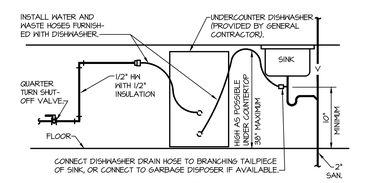
01 GAS PIPE THROUGH ROOF DETAIL
SCALE: NOT TO SCALE



02 LAUNDRY TRENCH DRAIN
SCALE: NOT TO SCALE



03 WATER PIPE UNDER SLAB
SCALE: NOT TO SCALE



04 RESIDENTIAL DISHWASHER CONNECTION
SCALE: NOT TO SCALE

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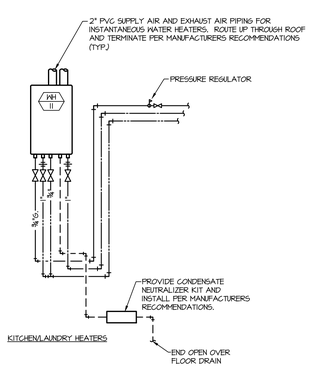
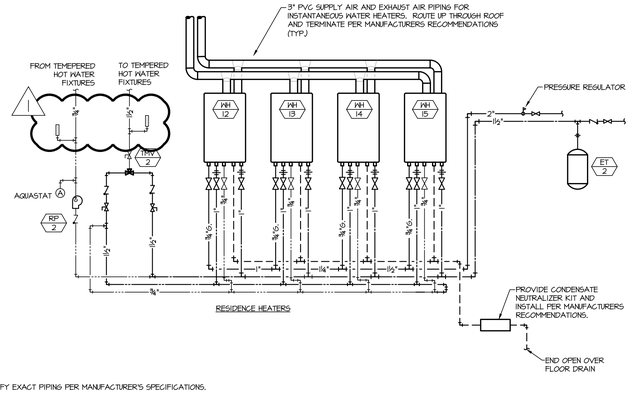
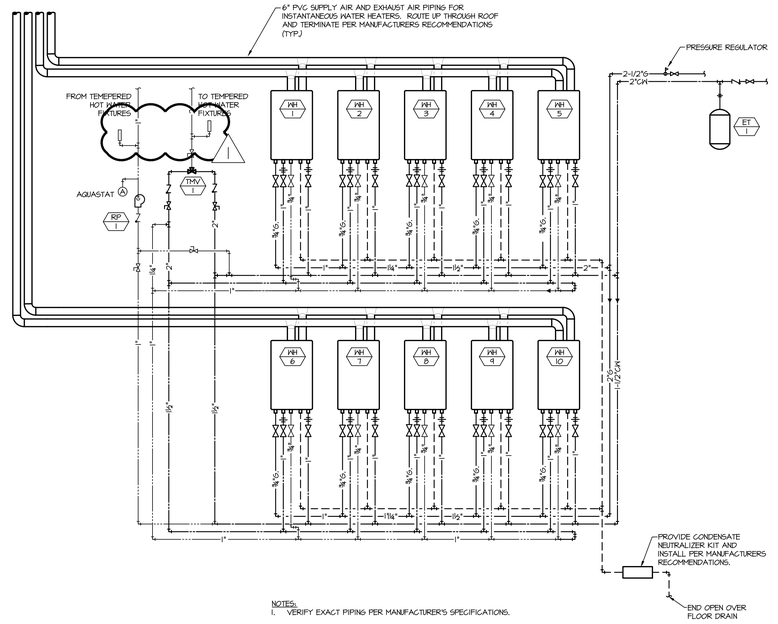




NOTES:
1. VERIFY EXACT PIPING PER MANUFACTURER'S SPECIFICATIONS.

03 MEMORY CARE BUILDING INSTANTANEOUS WATER HEATER DETAIL

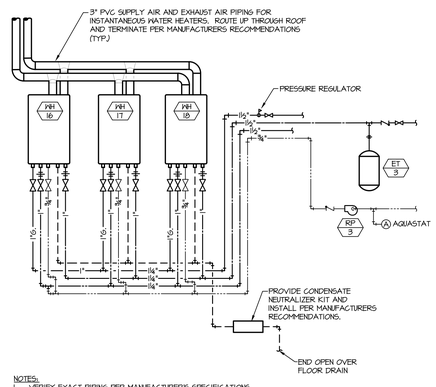
SCALE: NOT TO SCALE



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

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KITCHEN EQUIPMENT SCHEDULE - PLUMBING - MEMORY CARE/ASSISTED LIVING

MARK	EQUIPMENT	CONNECTIONS CW	CONNECTIONS HW	CONNECTIONS W	CONNECTIONS 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 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
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	CONNECTIONS HW	CONNECTIONS W	CONNECTIONS V	NOTES
WC-1	ADA FLOOR MOUNTED FLUSH TANK WATER CLOSET-1.28 GPF	AMERICAN STANDARD CRANE 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 CRANE 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 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 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 5/5 BUMPERGUARDS 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 FIAT DELTA	8344.112 830-AA 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 WADE SMITH	MODEL 65 8600 5609QT	VACUUM BREAKER LOOSE CONTROL KEY WALL CLAMP	1/2"	--	--	--	6
HB-2	ROUGH BRASS HOSE BIBB	WOODFORD CHICAGO	MODEL 24 998	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 ZURN SMITH	1100STD Z-415 2005	NICKEL BRONZE STRAINER TRAP GUARD, DEEP SEAL TRAP	--	--	--	--	4, 7
FS-1	12" SQUARE FLOOR DRAIN	WADE ZURN SMITH	W-2370-27 Z-546-7-6T 2410	CAST IRON 12" X 12" FLOOR DRAIN WITH DUCTILE IRON GRATE ALUMINUM SEDIMENT BUCKET					7
FS-2	8" SQUARE FLOOR SINK	WADE ZURN SMITH	9110 Z-1910 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 ZURN 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 ARMSTRONG 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 ARMSTRONG 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 ZURN SMITH	W-3000 ZC-100 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 ZURN SMITH	W-3000-SD ZC-100-W2 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.

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 : 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
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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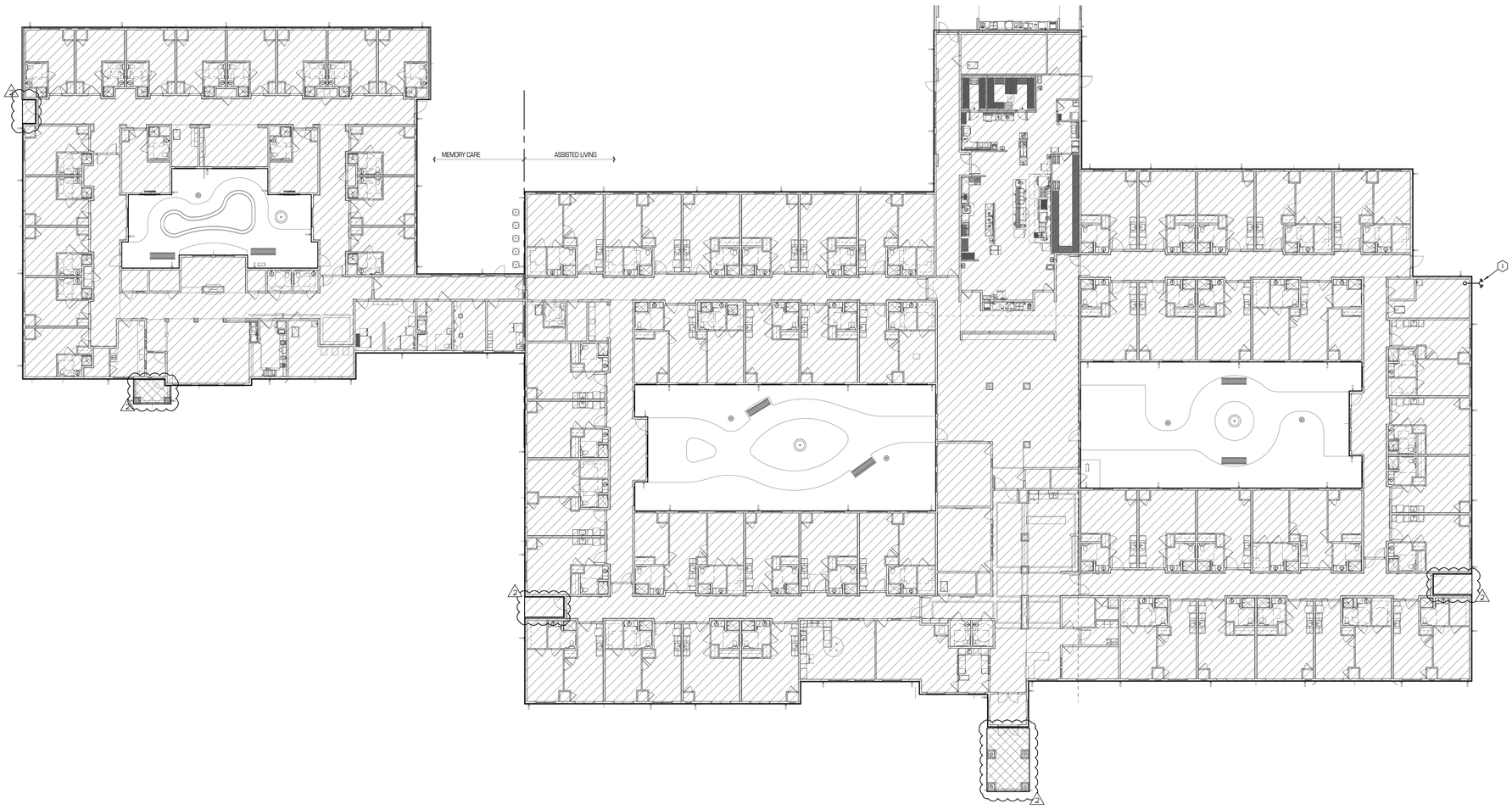


NOTE:
THIS FIRE PROTECTION SYSTEM SHALL BE DESIGNED BASED ON 76 PSI STATIC, 47 PSI RESIDUAL PRESSURE AT 1600 GPM, BASED ON FLOW TEST PERFORMED AT 1716 SE 11TH STREET, LEES SUMMIT, MISSOURI.

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 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.

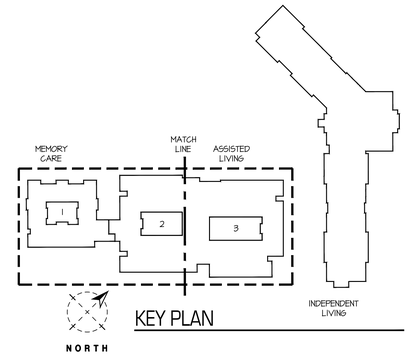
GENERAL NOTES:

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. 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

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
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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

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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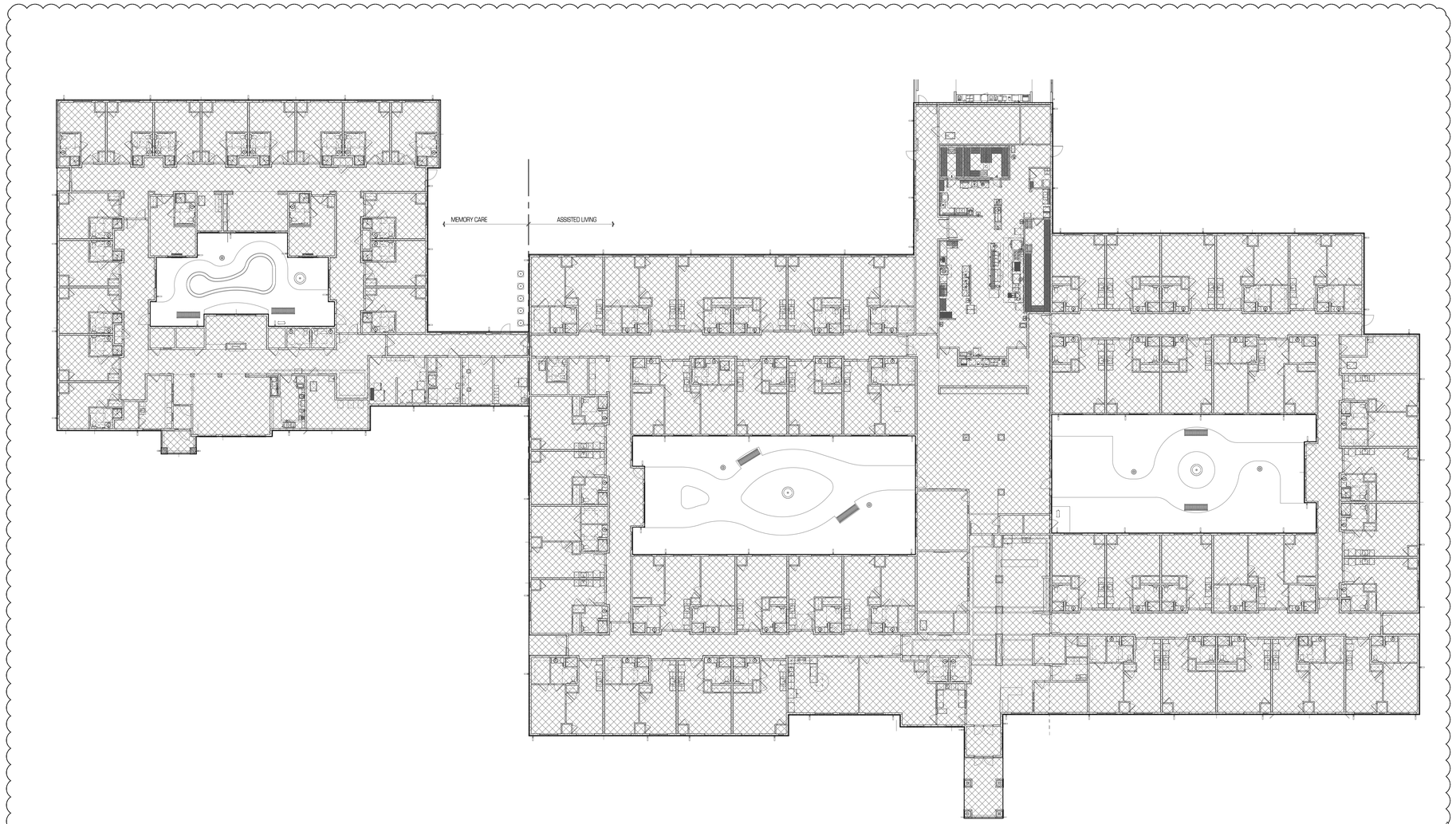

FIRE PROTECTION NOTES:

1. REFER TO MCAL 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.
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NOTE:
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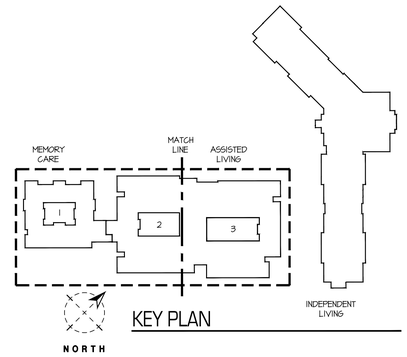
PLAN NOTES:

1. --

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 1116 SE 11TH STREET, LEES SUMMIT, MISSOURI.

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

NORTH



KEY PLAN

SWD ARCHITECTS
EST 1935

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

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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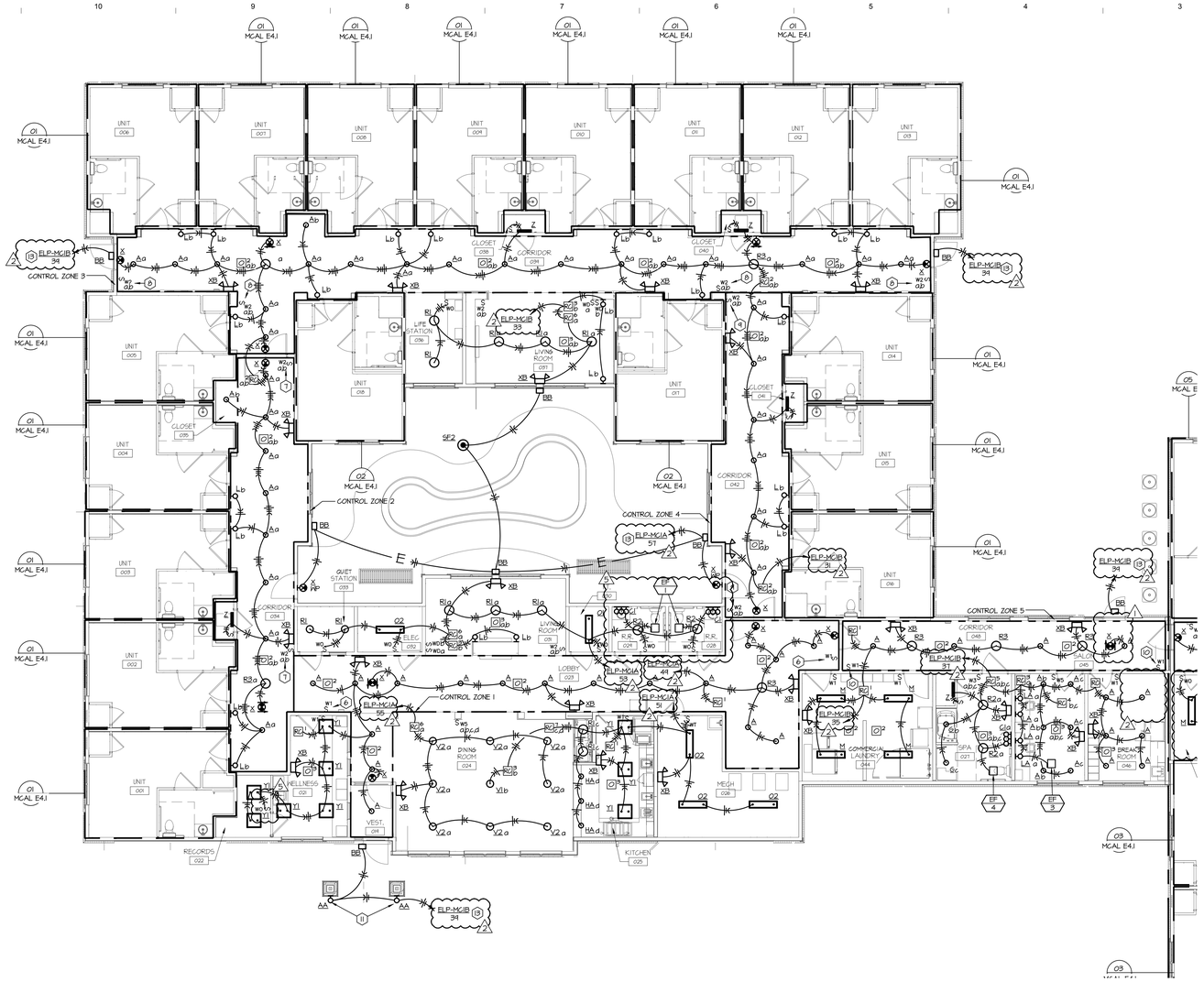

01 1ST FLOOR AREA A - LIGHTING

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 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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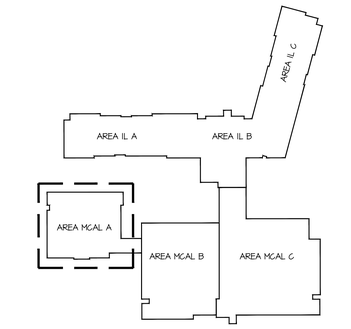
13. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTACTOR WITH (2)#10 & #10 GROUND WIRE IN A 3/4" CONDUIT. REFERENCE SHEET ILE5.2 FOR MORE INFORMATION.



NORTH

KEY PLAN

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

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
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

MCAL E1.1

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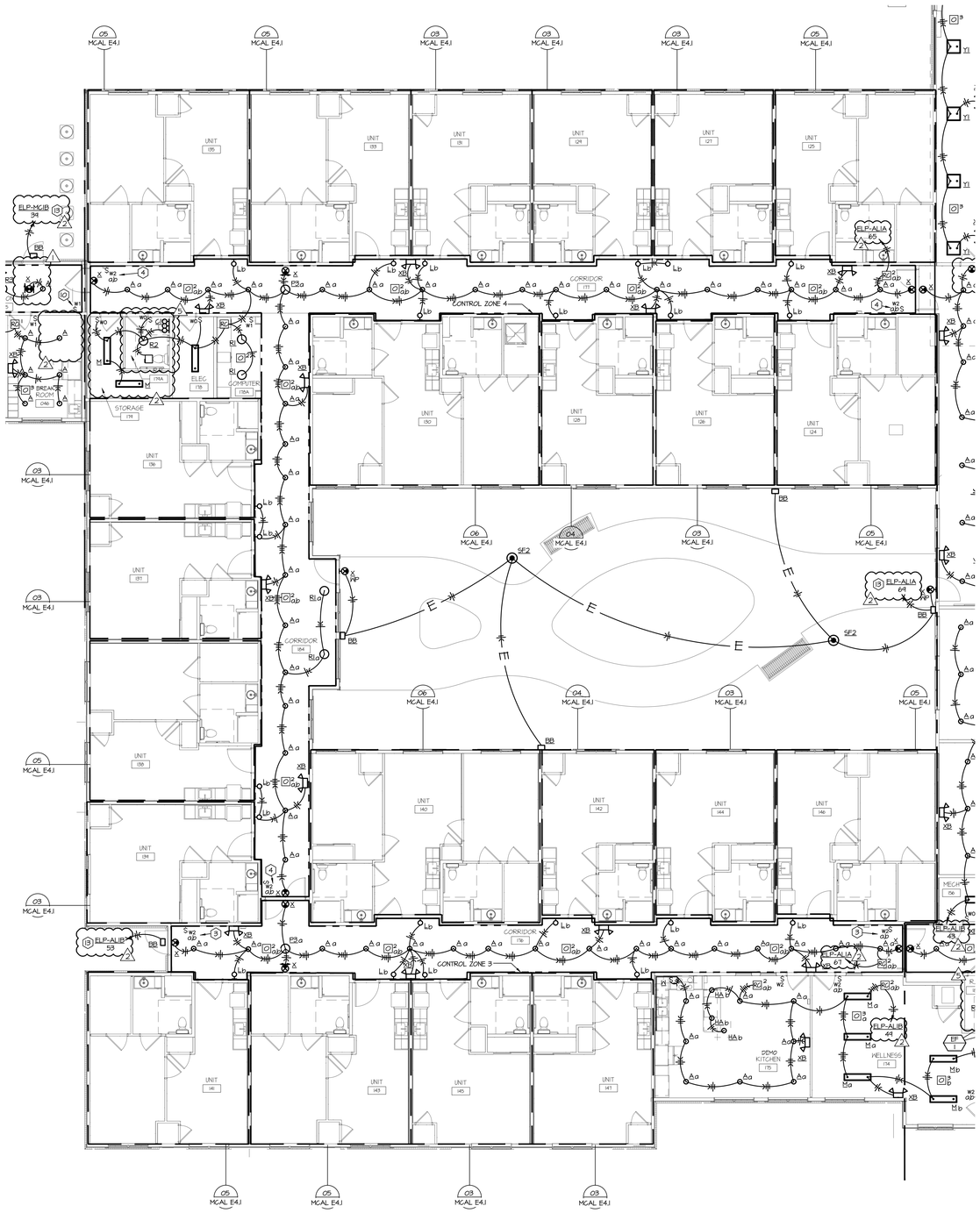

01 1ST FLOOR AREA B - LIGHTING

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

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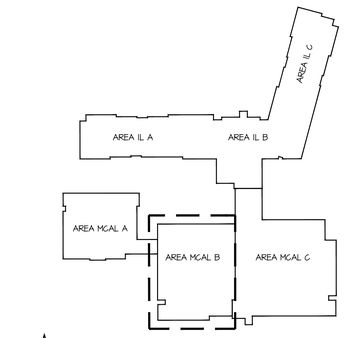

KEY PLAN

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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Lenexa, Kansas 66214
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SEAL
PE - CASEY JOHN STEINER
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8/10/19

FIRST FLOOR
PLAN AREA B
LIGHTING
MEMORY CARE
ASSISTED LIVING

ISSUE DATE:
6/14/19

REVISIONS:
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PROJECT NO.:1811

MCAL
E1.2

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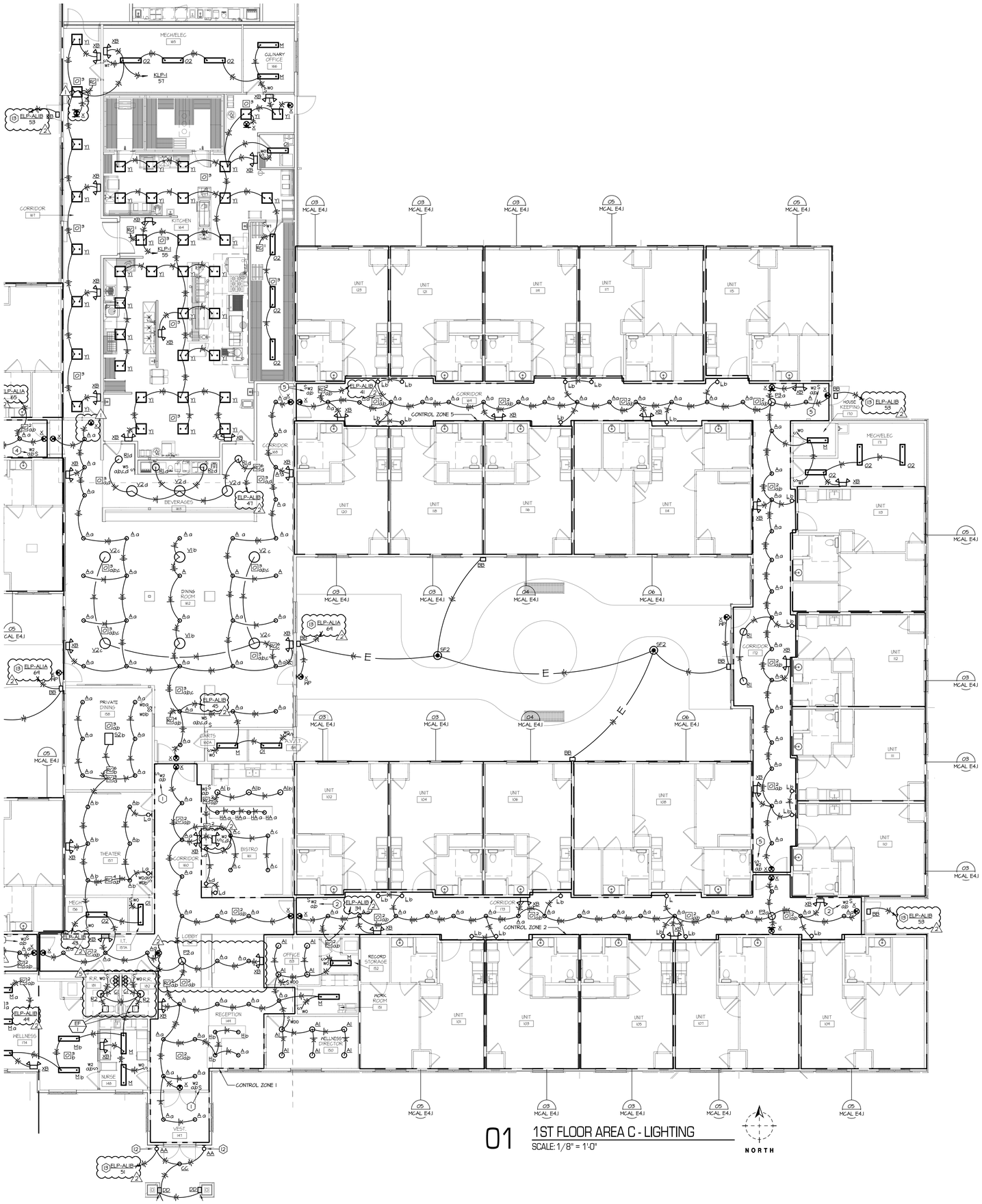

01 1ST FLOOR AREA C - LIGHTING

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

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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.

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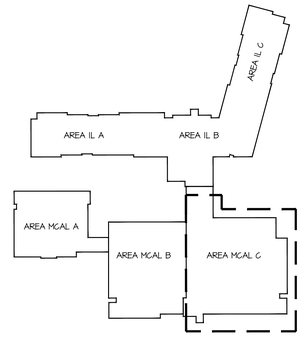

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PROFESSIONAL ENGINEER

8/10/19

FIRST FLOOR
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LIGHTING
MEMORY CARE
ASSISTED LIVING

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MCAL E1.3

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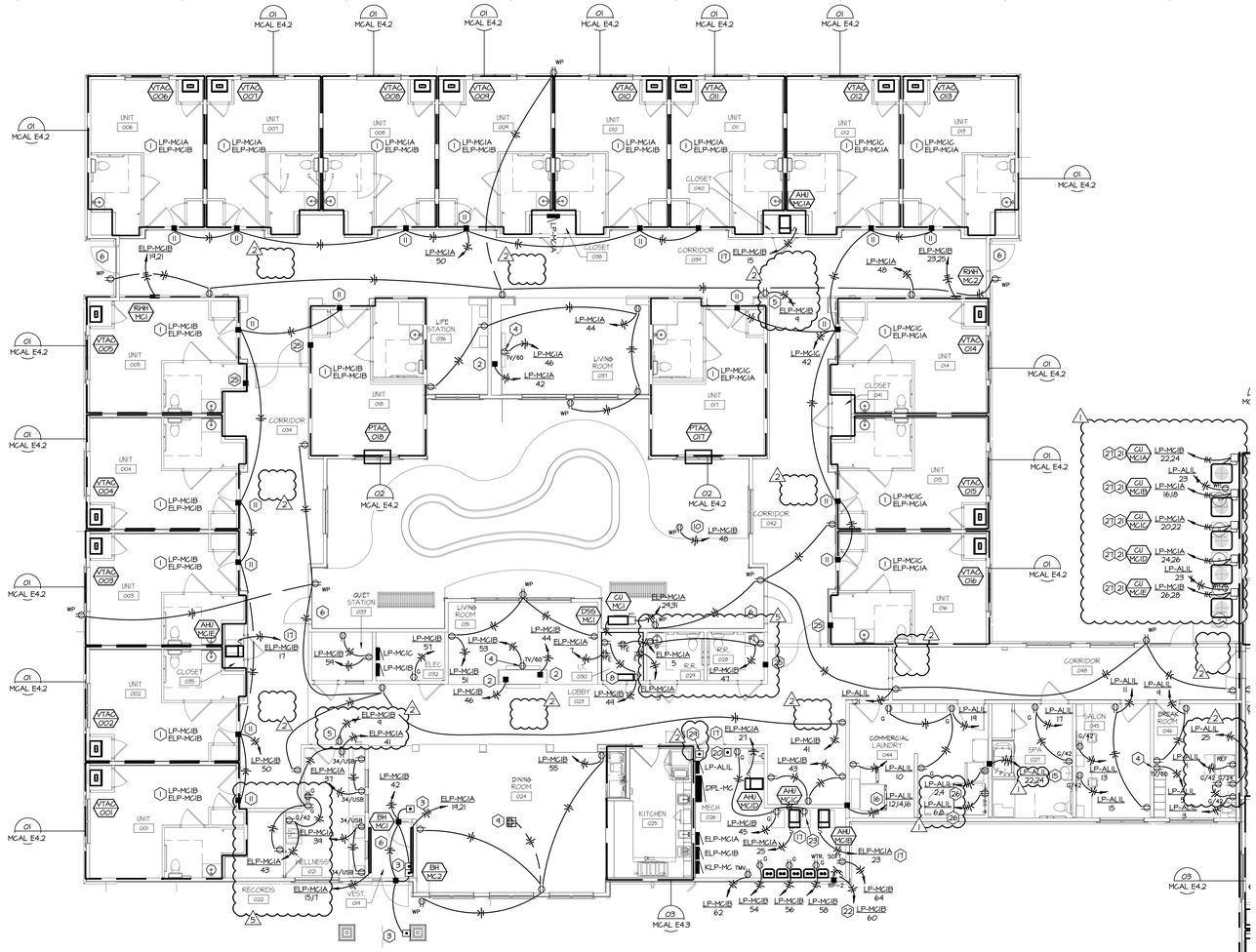

01 1ST FLOOR AREA A - POWER

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

NORTH

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.

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.

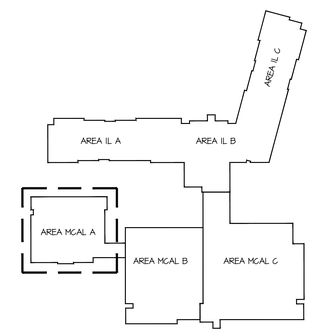
M. REFERENCE MECHANICAL SHEETS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPER UPON DETECTION OF SMOKE. CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

1 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.
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.
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 S2FBSS 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.
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 CAMERA. COORDINATE EXACT LOCATION 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 (2)#10 & #10G 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 OSD-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 HOLDER. REFERENCE DOOR SCHEDULE 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. REMOVED DRYER RECEPTACLES AND ABANDONED
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.



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8/10/19

FIRST FLOOR
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MCAL E2.1

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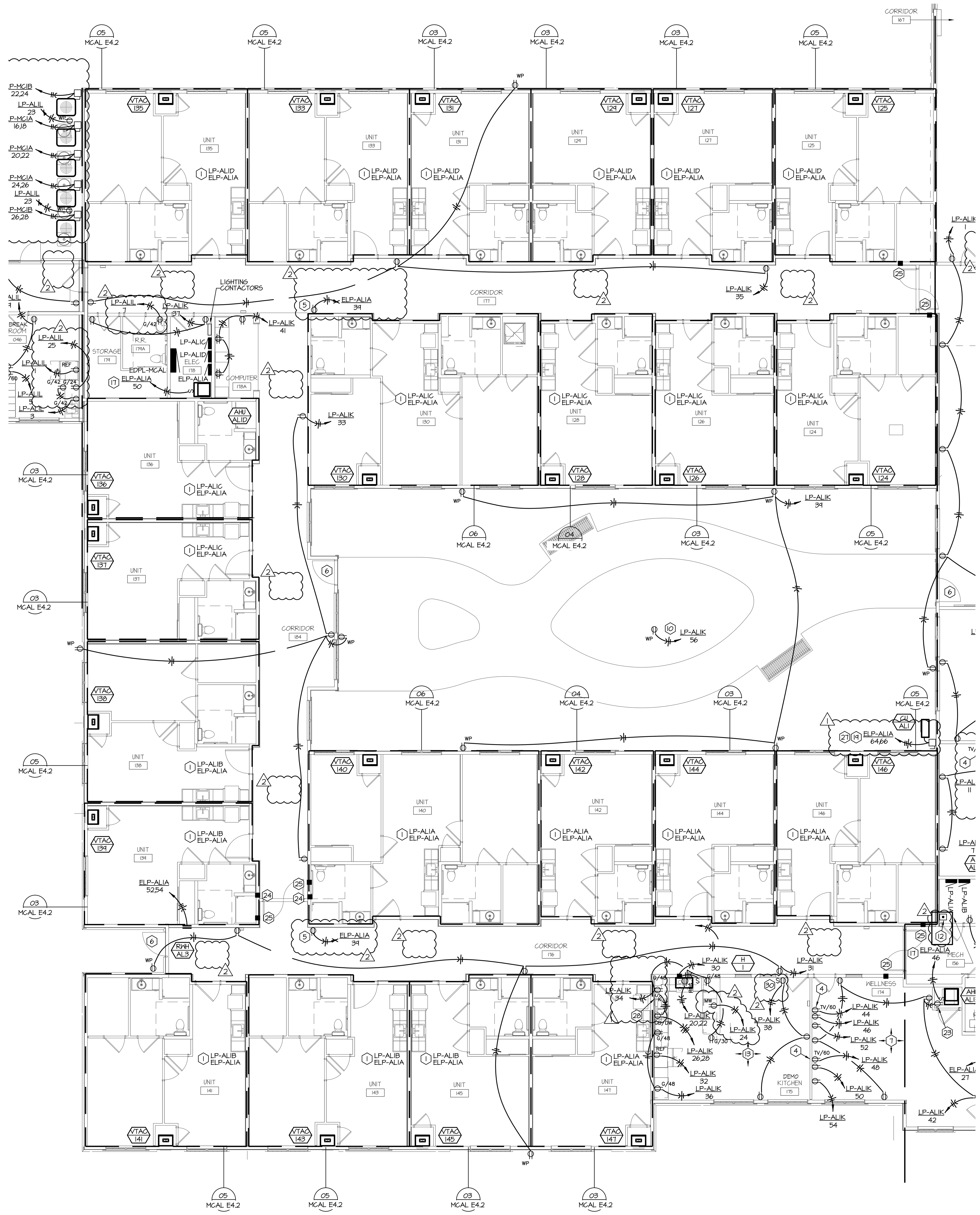

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D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD CAVITIES.

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.

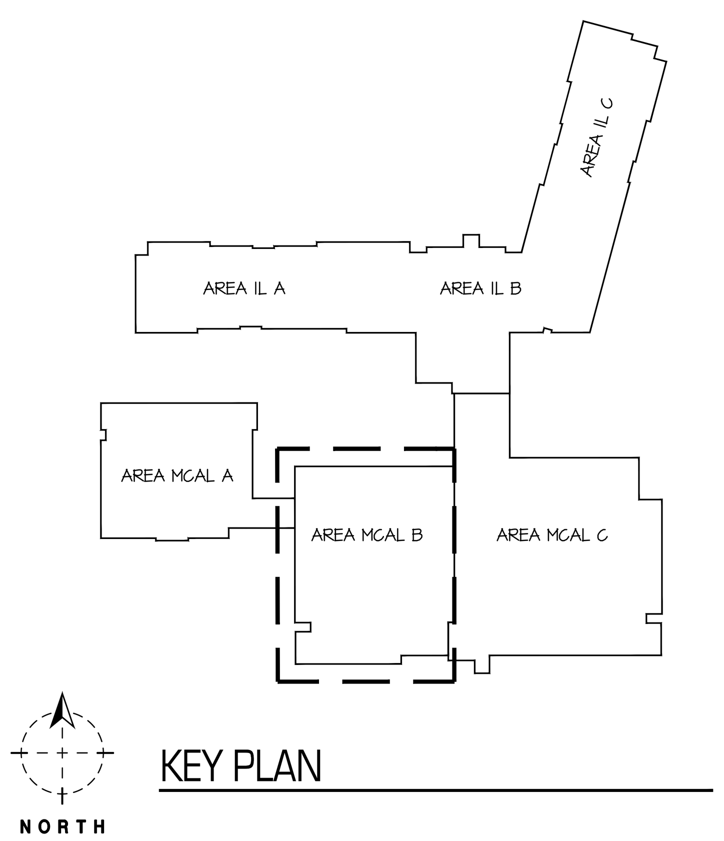
M. REFERENCE MECHANICAL SHEETS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPER UPON DETECTION OF SMOKE. CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.

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.



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

FIRST FLOOR
PLAN AREA B
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 E2.2

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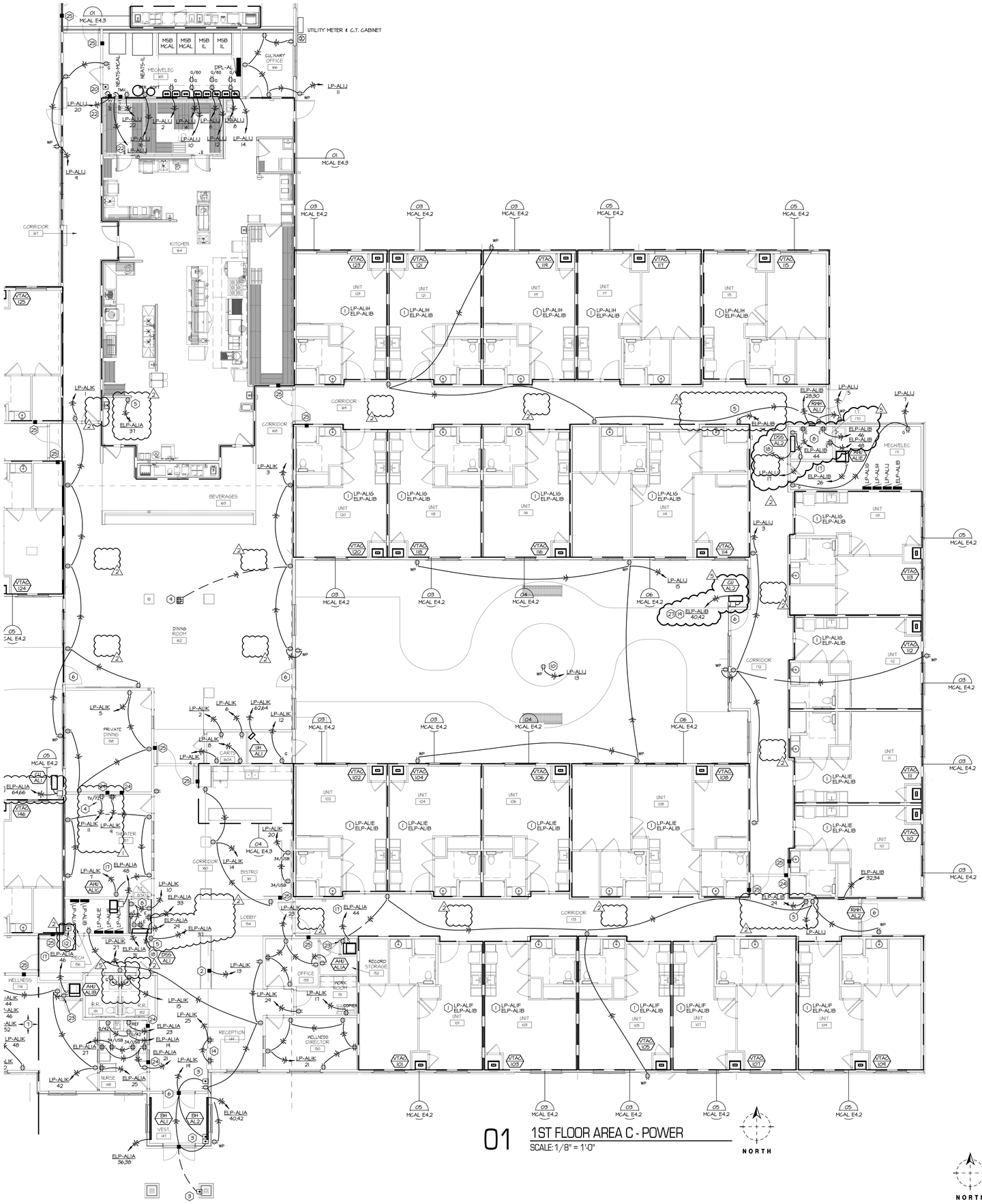
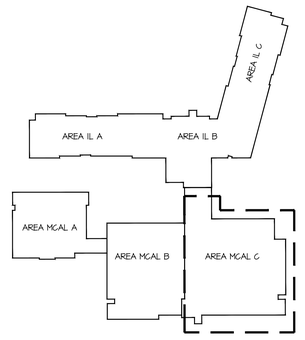


01 1ST FLOOR AREA C - POWER

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



KEY PLAN

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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.

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21. PROVIDE 30A/2P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (2)#10 & #10G IN 3/4"C.
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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.

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
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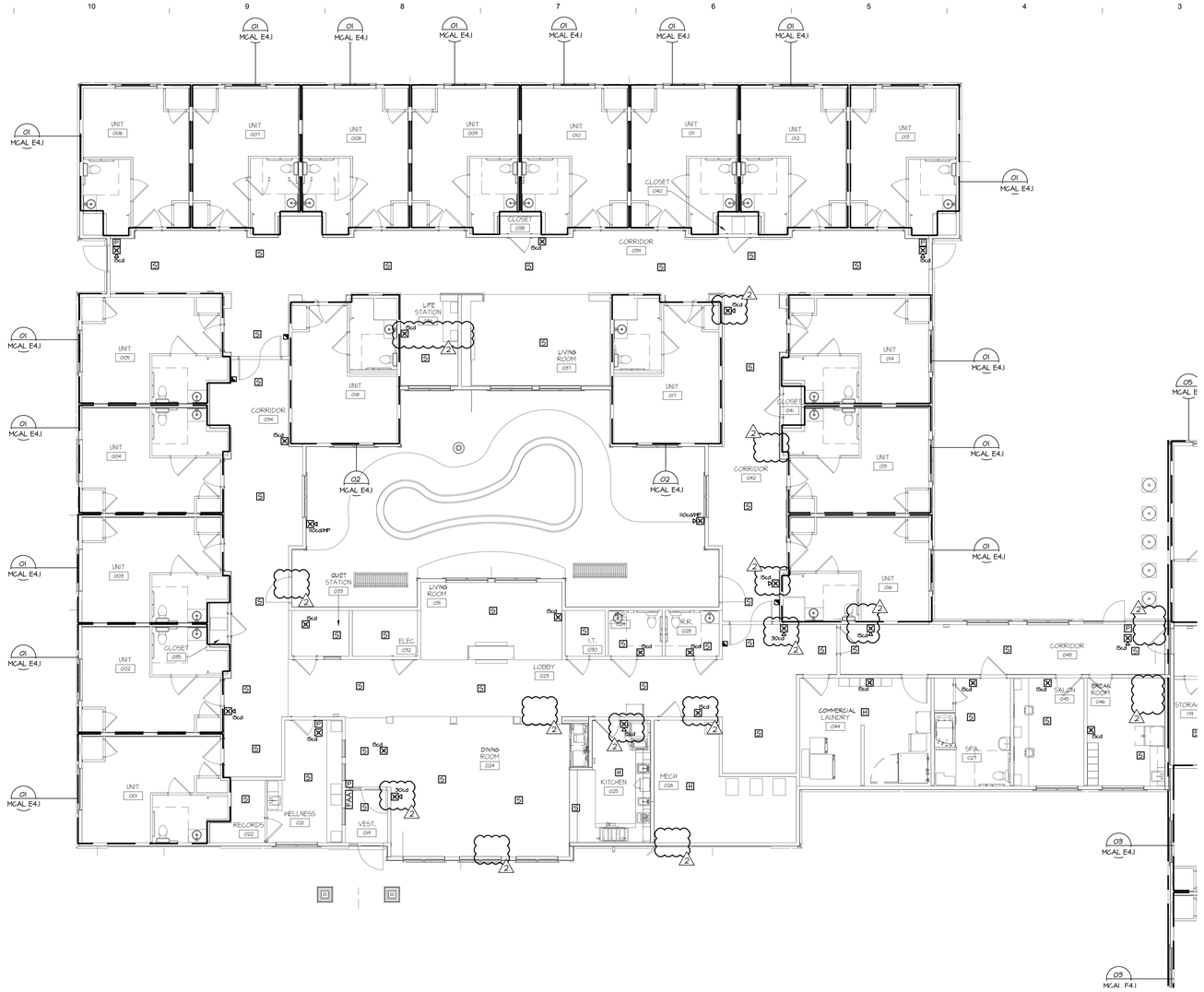

01 1ST FLOOR AREA A - SPECIAL SYSTEMS

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.

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.

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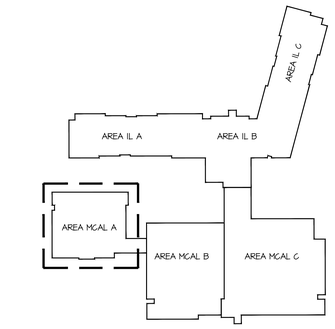
L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

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

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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
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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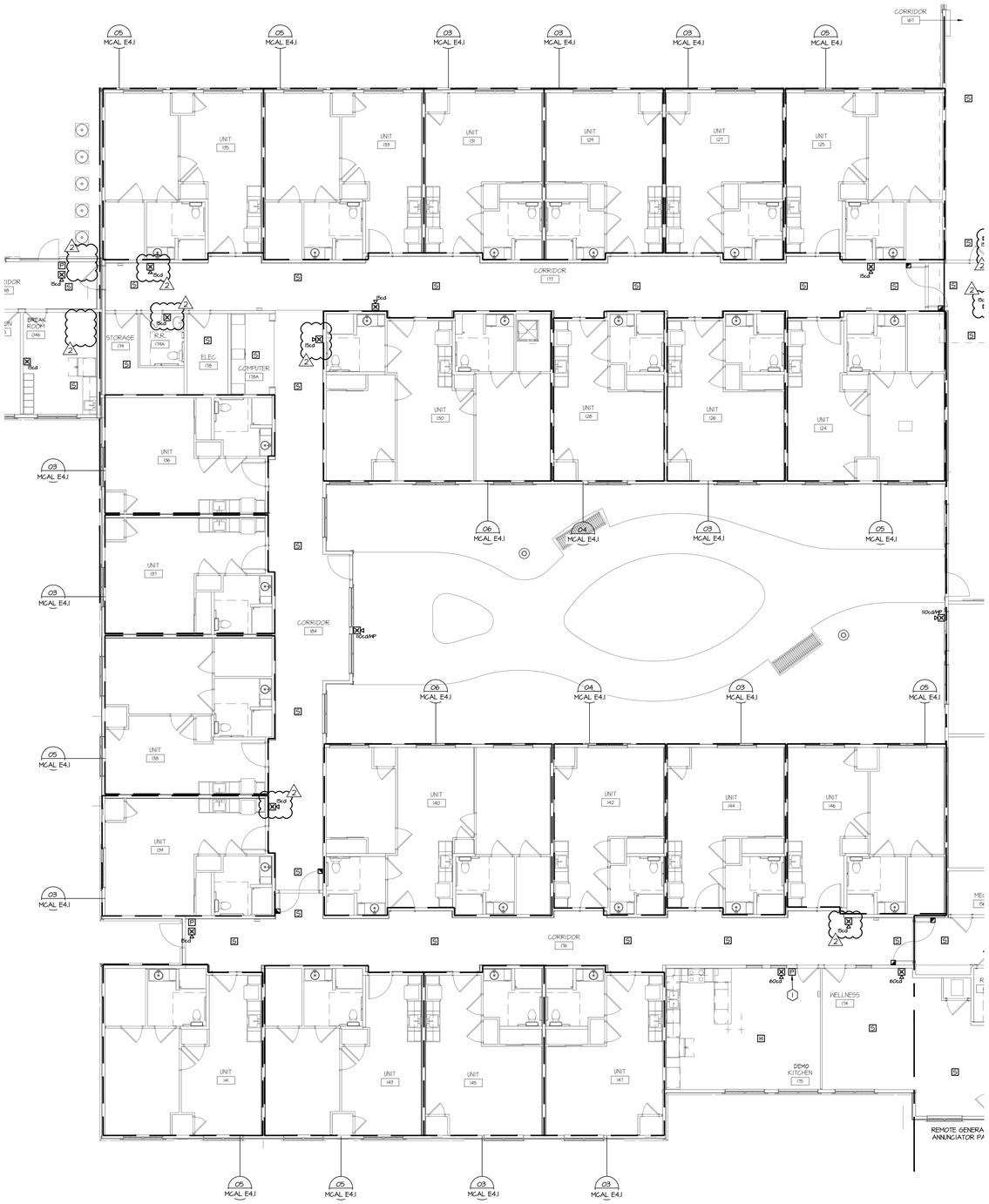


01 1ST FLOOR AREA B - SPECIAL SYSTEMS

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.

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.

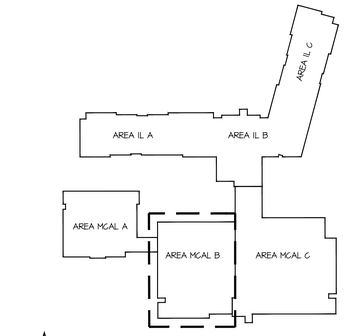
L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

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 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.
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

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

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8/10/19

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MCAL
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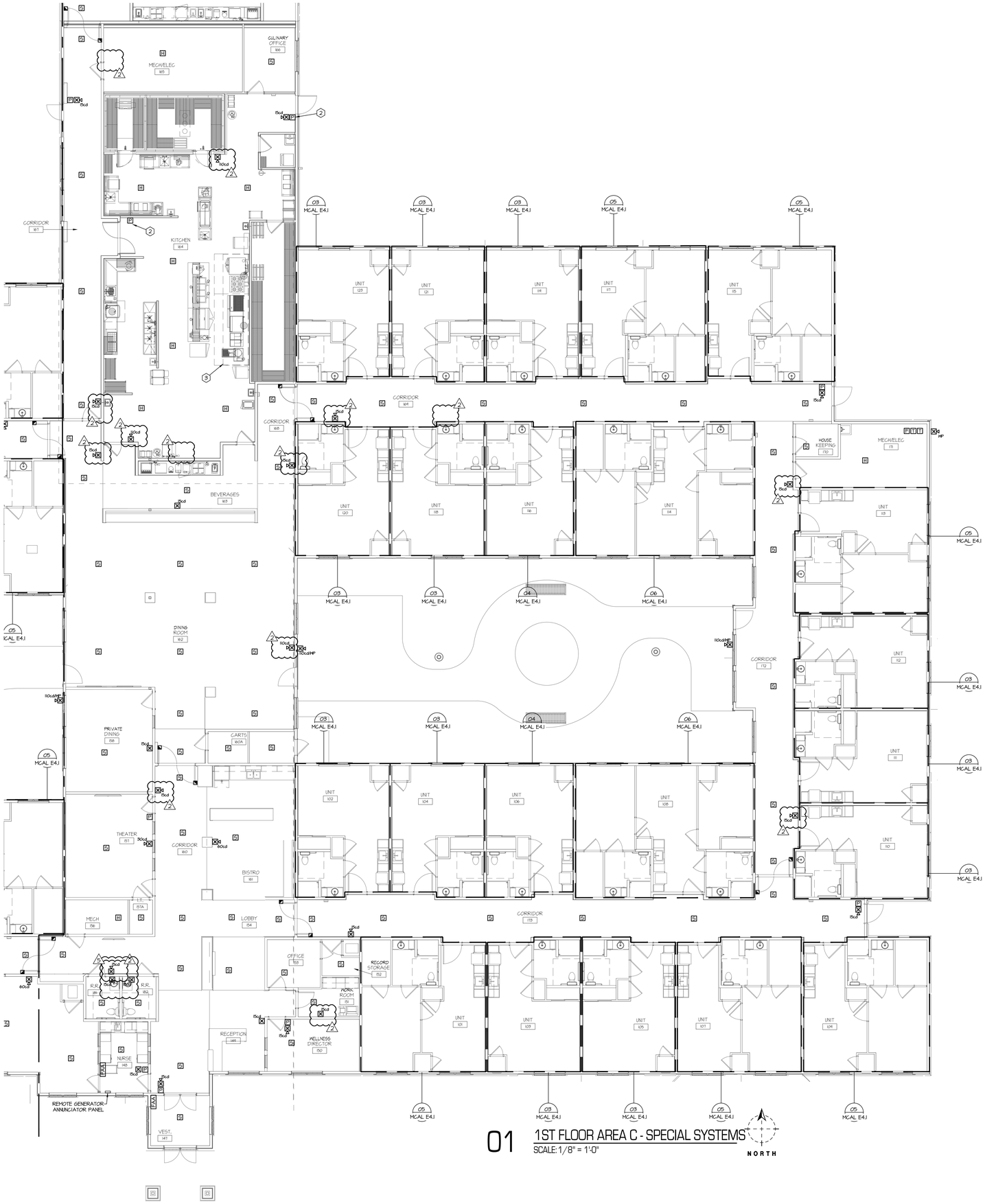

01 1ST FLOOR AREA C - SPECIAL SYSTEMS
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F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.

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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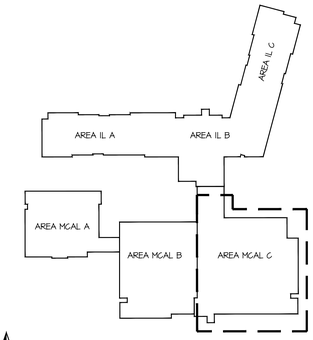

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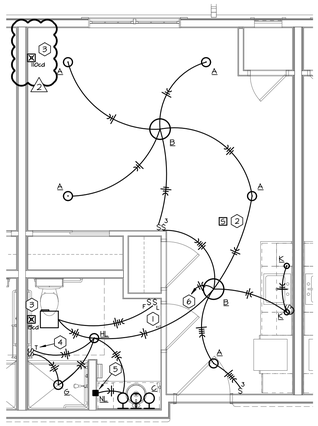
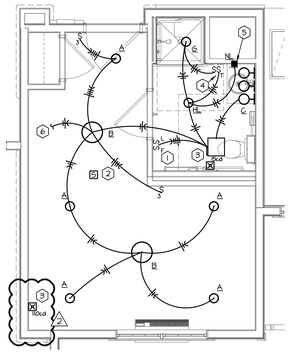
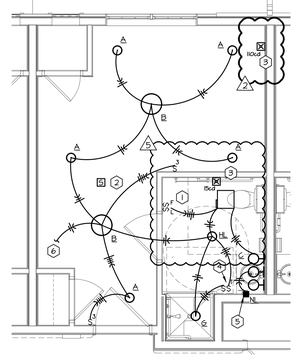


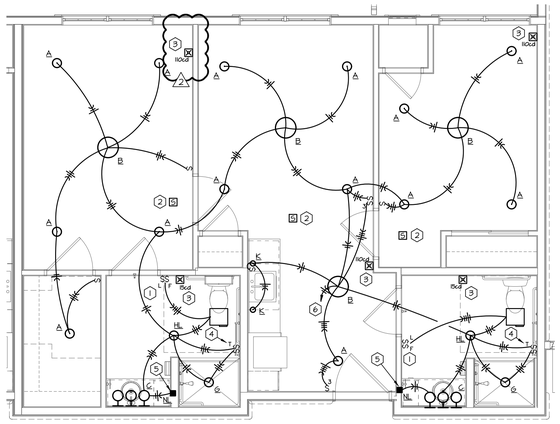
03 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
AL UNIT TYPE C
SCALE: 1/4" = 1'-0"



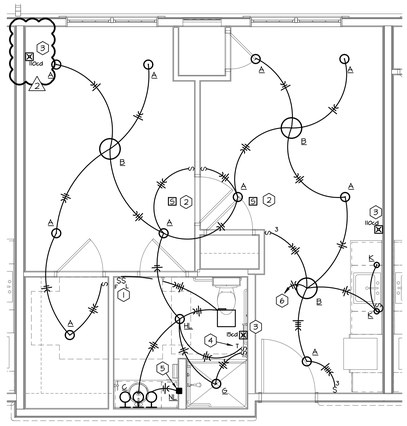
02 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
MC UNIT TYPE B
SCALE: 1/4" = 1'-0"



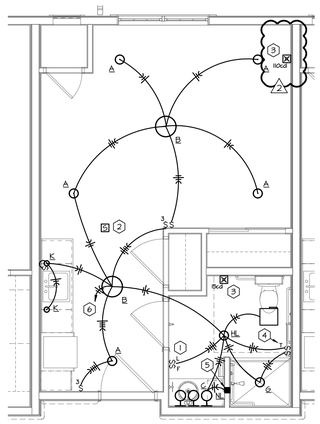
01 ENLARGED PLAN LIGHTING/SPECIAL SYSTEMS
MC UNIT TYPE A
SCALE: 1/4" = 1'-0"



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:

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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.

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 TELEGOMMUNICATION '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.

SWD ARCHITECTS
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8/10/19

ENLARGED PLANS
LIGHTING/
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MEMORY CARE ASSISTED
LIVING

ISSUE DATE:
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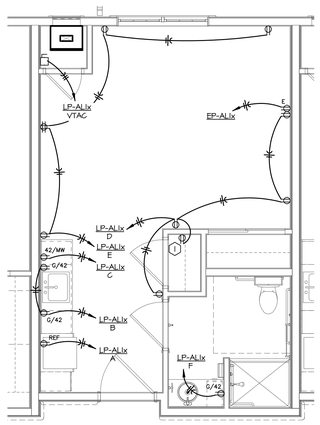
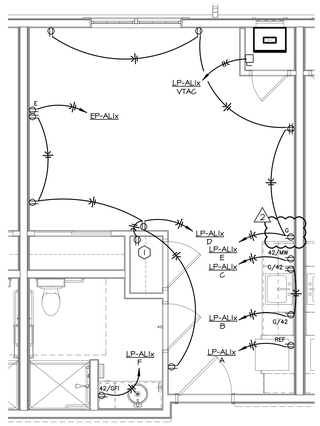


04 ENLARGED PLAN POWER
AL UNIT TYPE D
SCALE: 1/4" = 1'-0"



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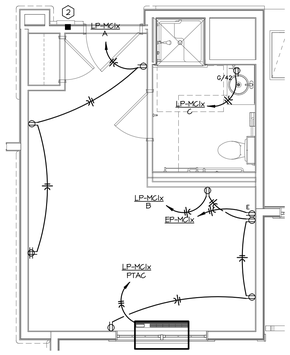

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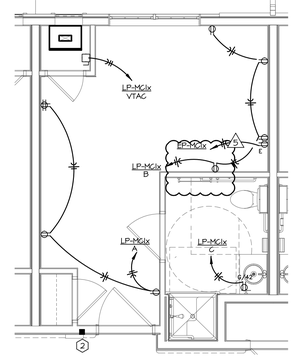

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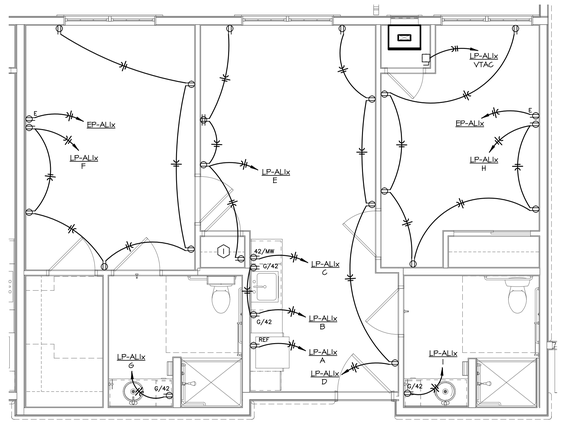

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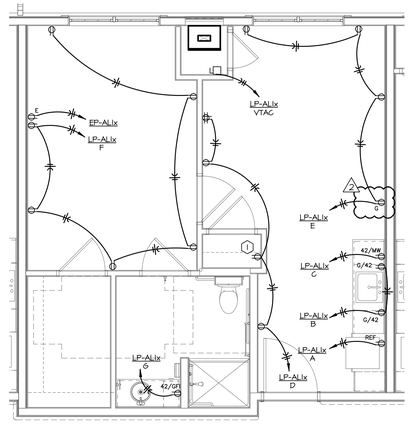

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J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.

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. FINAL 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.

SWD ARCHITECTS
EST 1935

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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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
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

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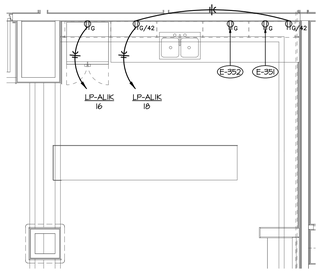
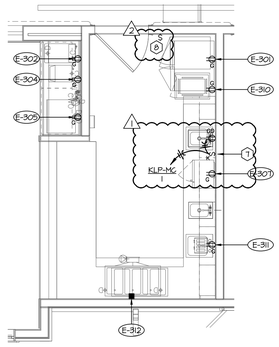
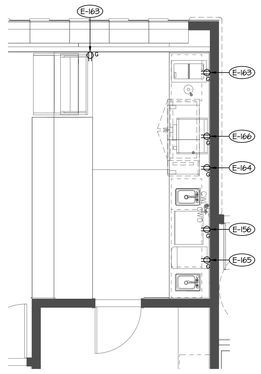


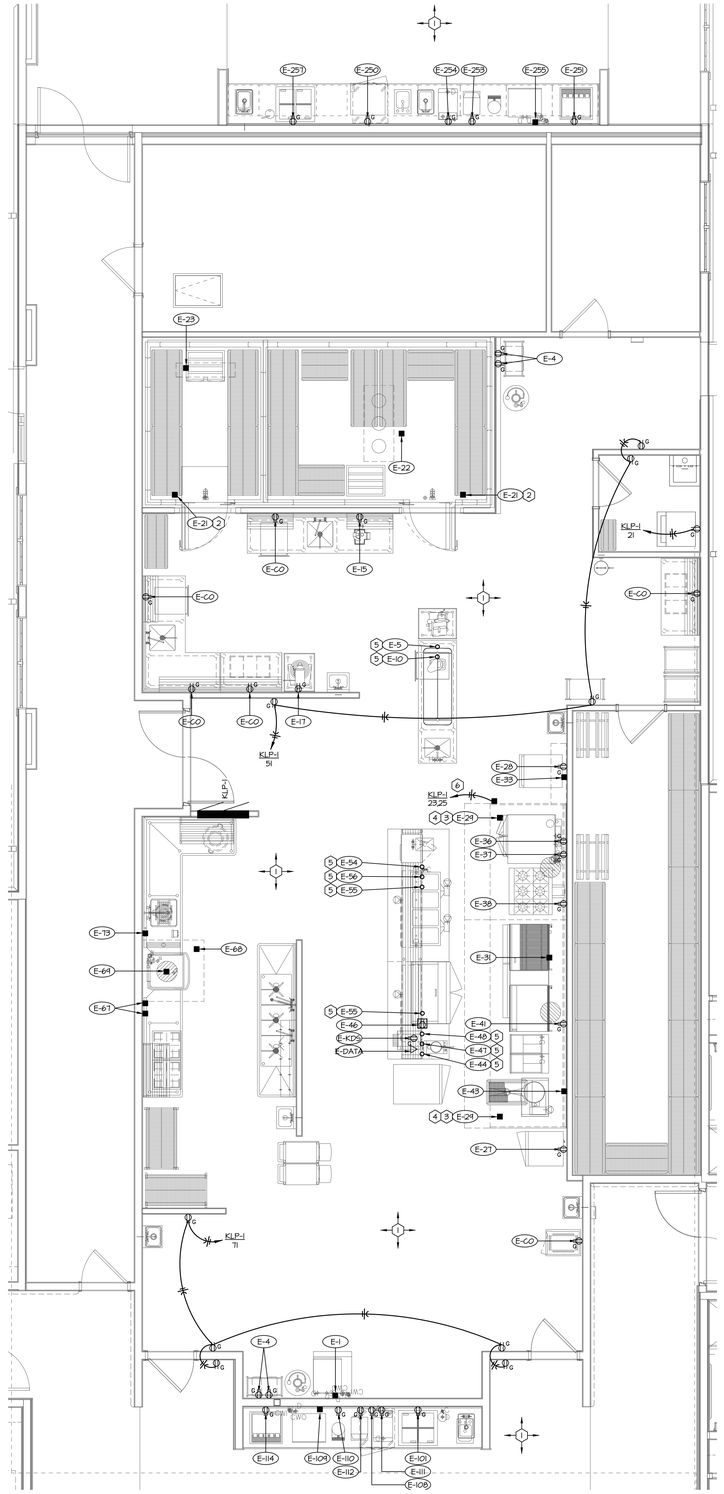
04 ENLARGED PLAN POWER/SPECIAL SYSTEMS - AL BISTRO
SCALE: 1/4" = 1'-0"



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:

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. [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 SPECIAL 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 SPECIAL 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.
7. PROVIDE TIMED SPRING WOUND INTERVAL TIMER SWITCH CAPABLE OF A MAXIMUM OF 120 MINUTES. REFERENCE MC KITCHEN CO5 APPLIANCE CONTROL SCHEMATIC FOR MORE INFORMATION.

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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

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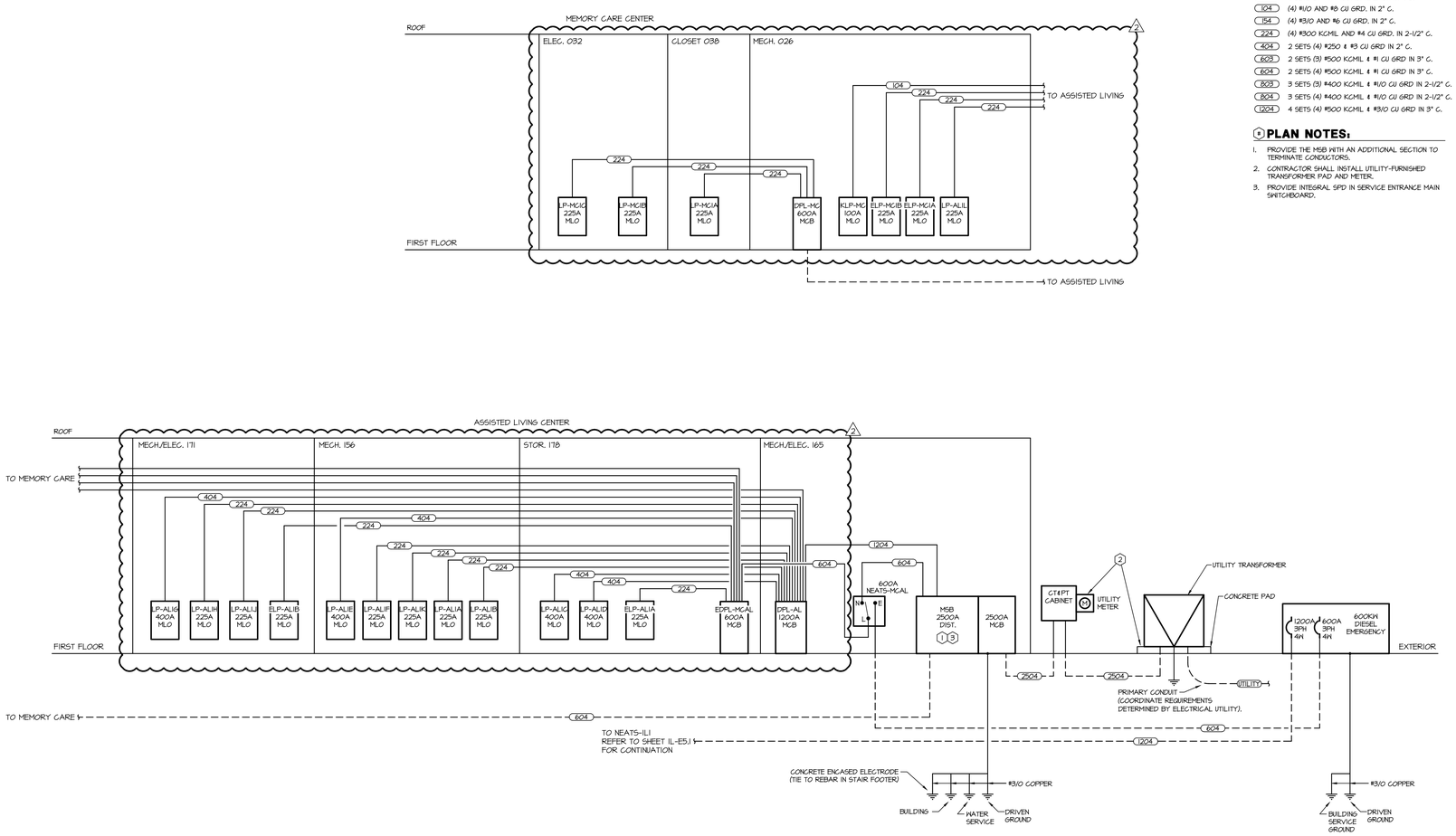

1 ELECTRICAL POWER RISER DIAGRAM

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 #8 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.

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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

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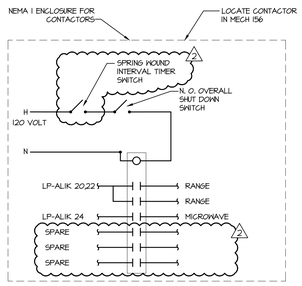
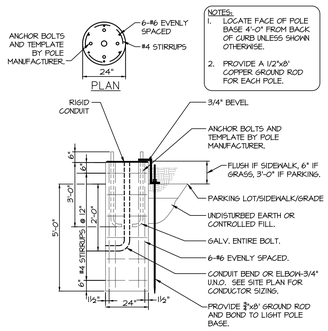


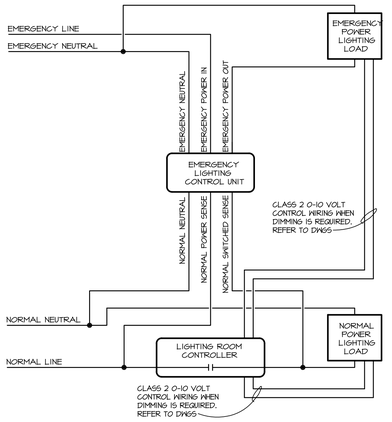
8 DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC

SCALE: NOT TO SCALE



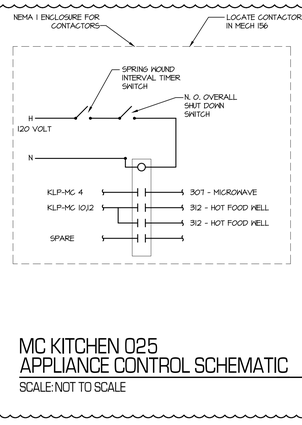
5 POLE BASE DETAIL

SCALE: NOT TO SCALE



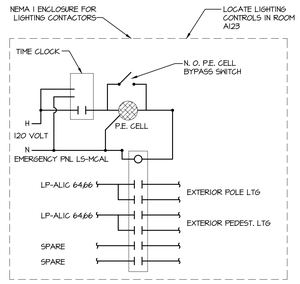
1 TYPICAL 1-RELAY WITH EMERGENCY LIGHTING CONTROL DIAGRAM

SCALE: NOT TO SCALE



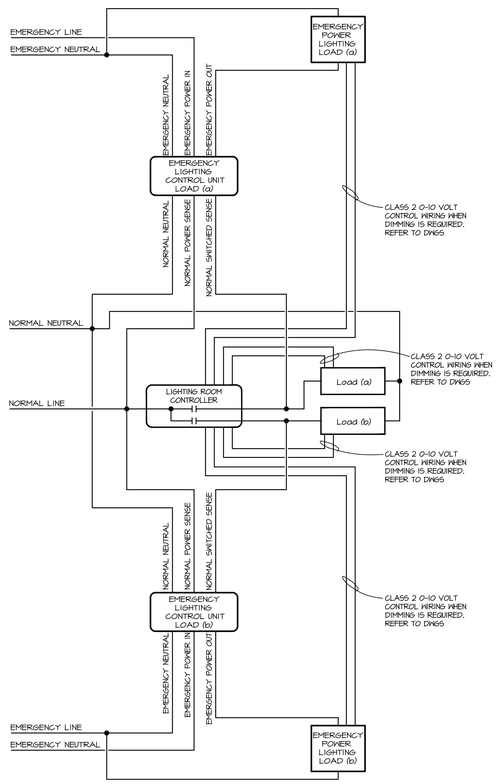
9 MC KITCHEN 025 APPLIANCE CONTROL SCHEMATIC

SCALE: NOT TO SCALE



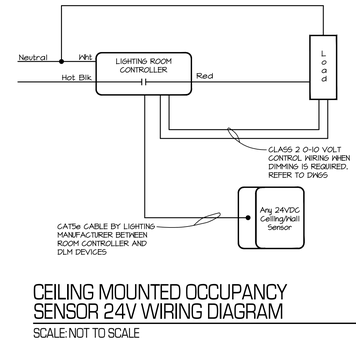
6 EXTERIOR POLE LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



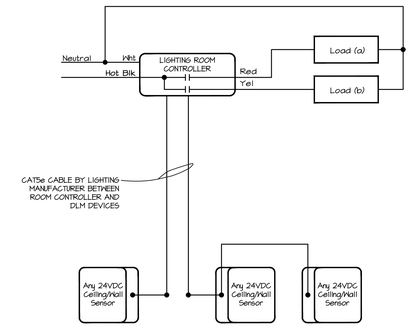
4 EMERGENCY LIGHTING CONTROL UNIT 24V 2-RELAY WIRING DIAGRAM

SCALE: NOT TO SCALE



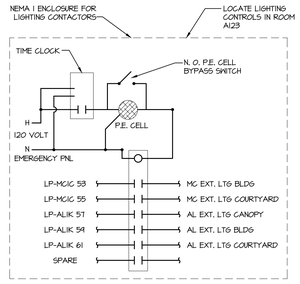
2 CEILING MOUNTED OCCUPANCY SENSOR 24V WIRING DIAGRAM

SCALE: NOT TO SCALE



3 CEILING MOUNTED OCCUPANCY SENSOR 24V MULTIPLE SENSORS WIRING DIAGRAM

SCALE: NOT TO SCALE



7 EXTERIOR BUILDING MOUNTED LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE

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MCAL BUILDING ELECTRICAL DETAILS

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MCAL E5.2

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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-MCIA	3	225	SEE RISER	37,212	103	39,723	110
2	LP-MCIB	3	225	SEE RISER	49,189	137	53,380	148
3	LP-MCIC	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-ALIA	3	225	SEE RISER	51,859	144	54,899	152
2	LP-ALIB	3	225	SEE RISER	58,296	162	64,505	179
3	LP-ALIC	3	400	SEE RISER	64,954	180	71,238	198
4	LP-ALID	3	400	SEE RISER	59,791	166	65,969	183
5	LP-ALIE	3	400	SEE RISER	60,375	168	66,294	184
6	LP-ALIF	3	225	SEE RISER	53,970	150	61,798	172
7	LP-ALIG	3	400	SEE RISER	63,174	175	69,013	192
8	LP-ALIH	3	225	SEE RISER	46,017	128	51,961	144
9	LP-ALIJ	3	225	SEE RISER	17,760	49	17,885	50
10	LP-ALIK	3	225	SEE RISER	43,586	121	38,858	108
11	LP-ALIL	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-ALIA	3	225	SEE RISER	43,719	121	30,569	85
2	ELP-ALIB	3	225	SEE RISER	14,671	41	11,244	31
3	ELP-MCIA	3	225	SEE RISER	20,493	57	16,403	46
4	ELP-MCIB	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-ALIA	3	100	SEE PLANS	22,191	62	22,191	62
7	RTU-ALIB	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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
22 kAIC RATING — 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-ALI	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-ALIA	1335	44
45	2330	CU-ALIA	2	30	B	20	1	AHU-ALIB	1335	46
47	2330				C	20	1	AHU-ALIC	1008	48
49	2330	CU-ALIB	2	45	A	20	1	AHU-ALID	1335	50
51	2330				B	20	2	RWH-AL3	899	52
53	1332	CU-ALIC	2	25	C				899	54
55	1332				A	20	2	BH-AL2	799	56
57	2330	CU-ALID	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-ALI	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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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-MCI	2	20	B	30	2	CU-MCIB	1498	16
17	599				C				1498	18
19	599	BH-MC2	2	20	A	30	2	CU-MCIC	1498	20
21	599				B				1498	22
23	759	AHU MCIB	1	20	C	30	2	CU-MCID	1498	24
25	759	AHU MCIC	1	20	A				1498	26
27	759	AHU MCID	1	20	B	20	1	SPARE		28
29	1166	CU MCI	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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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-ALIE	1335	26
27	180	UNIT 113 - RCPT	1	20	B	20	2	RWH-ALI	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-ALIE	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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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-MCIA	1	20	B	20	1	UNIT 12 - RCPT	180	16
17	759	AHU-MCIE	1	20	C	20	1	SPARE		18
19	899	RWH-MCI	2	20	A	20	1	SPARE		20
21	899				B	25	2	CU-MCIA	1332	22
23	899	RWH-MC2	2	20	C				1332	24
25	899				A	30	2	CU-MCIE	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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
22 kAIC RATING — 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-CO - 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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
22 kAIC RATING — 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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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 — VOLTAGE: 120/208V, 3PH, 4 WIRE
10 kAIC RATING — 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

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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MO Certificate of Authority 01022

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

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

SWD ARCHITECTS
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ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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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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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			VOLTS	MOUNTING	TOTAL WATTS	DESCRIPTION	NOTES
			LUMENS	TYPE	COLOR (K)					
A	SIGNIFY	STR830K10	1000	LED	3000	120	SURFACE	14.2	7" SLIM SURFACE LED	5,7
A1	SIGNIFY	S10R830K22	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-27TV-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
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
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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

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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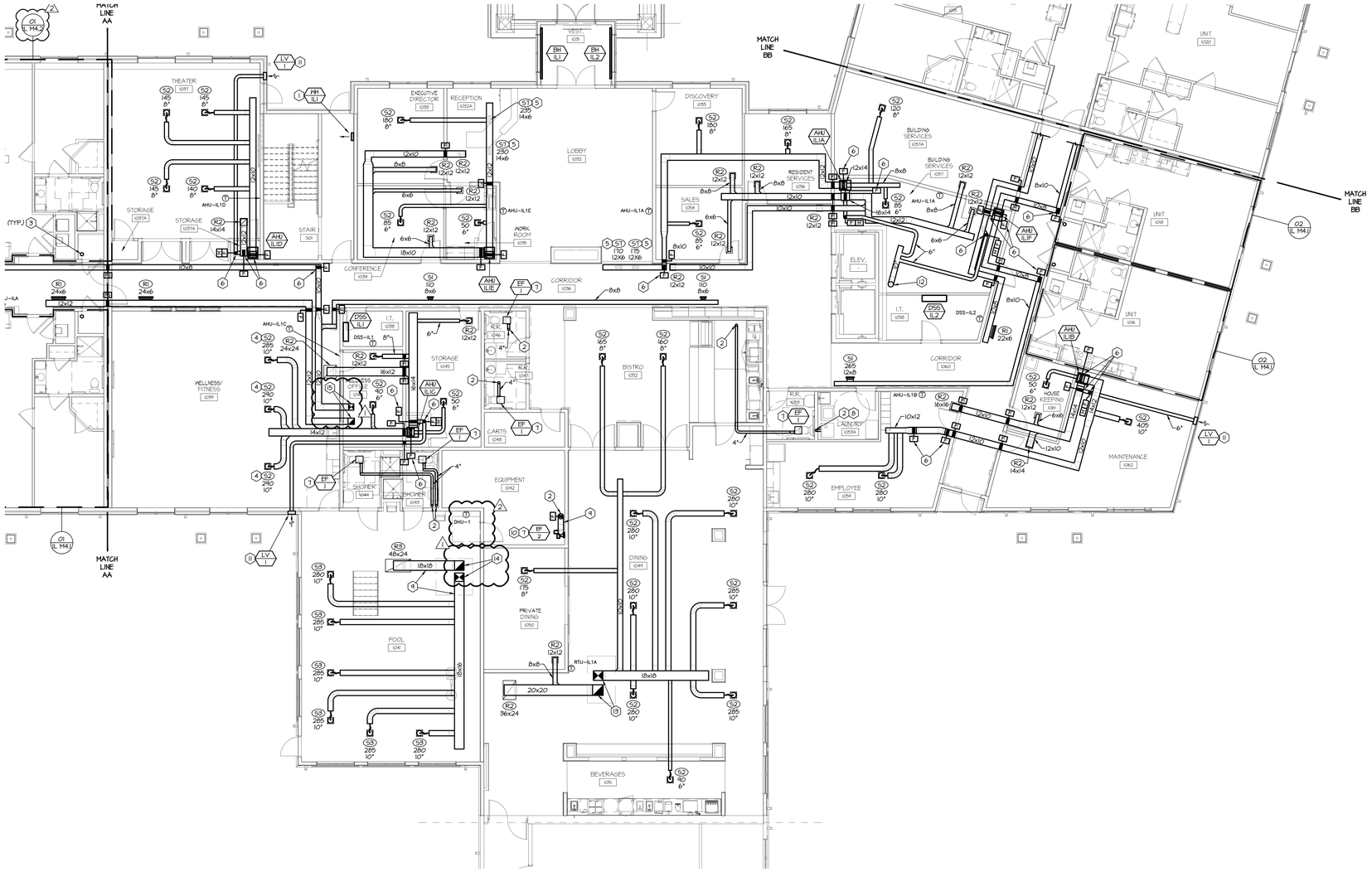


01 1ST FLOOR AREA B - MECHANICAL

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.

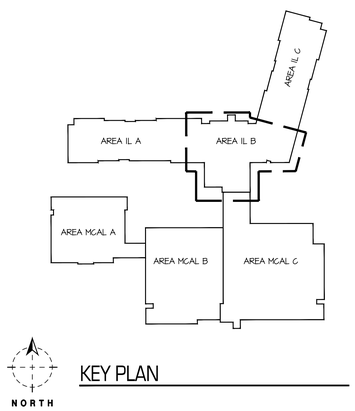
I. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

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

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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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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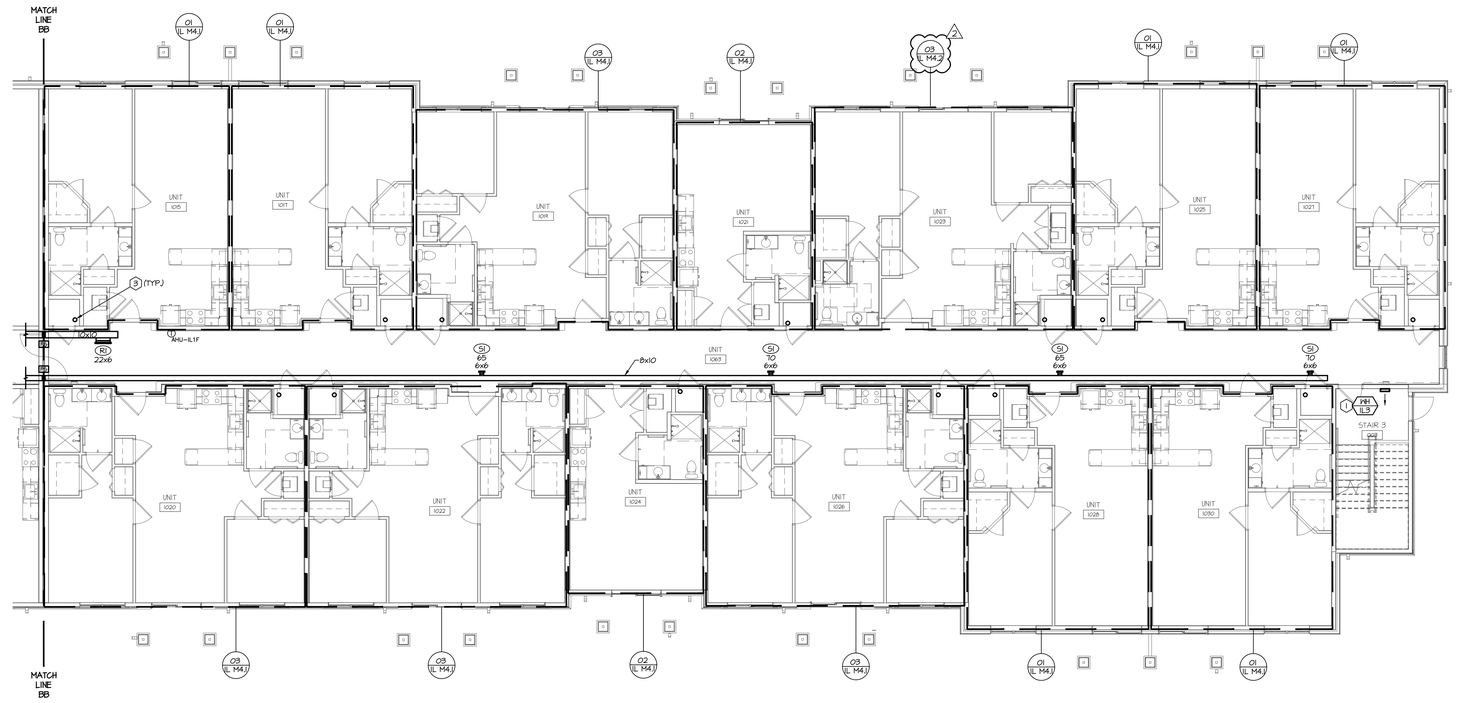
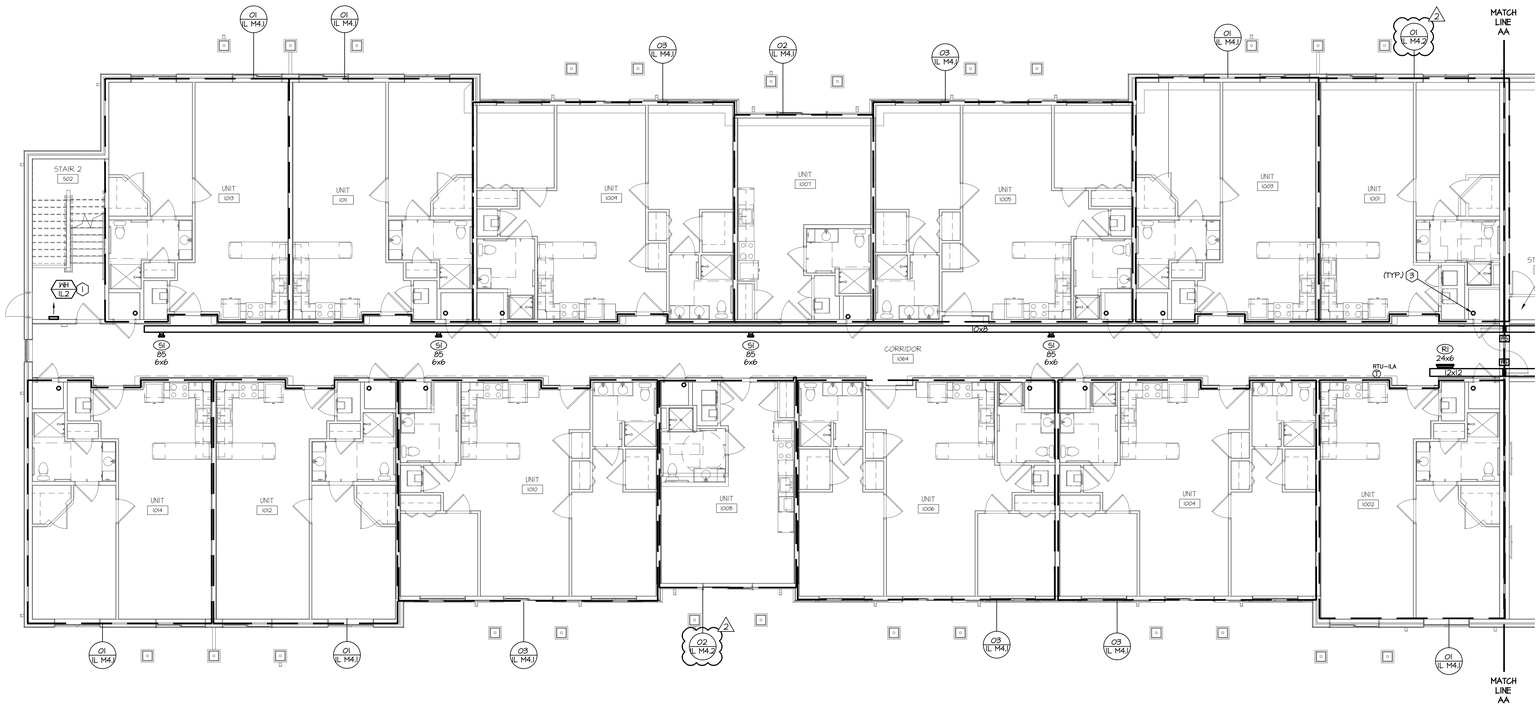


01 1ST FLOOR AREA C - MECHANICAL

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.

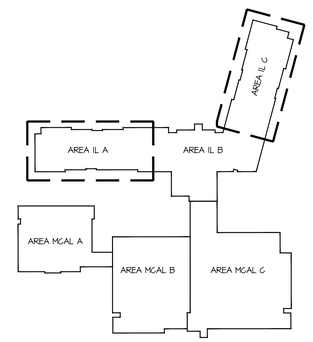
I. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE ARCHITECTURAL TRADES.

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 DBX1200M 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

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8/10/19

FIRST FLOOR
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ISSUE DATE:
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2. CITY COMMENTS - 7/15/2019
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IL
M1.2

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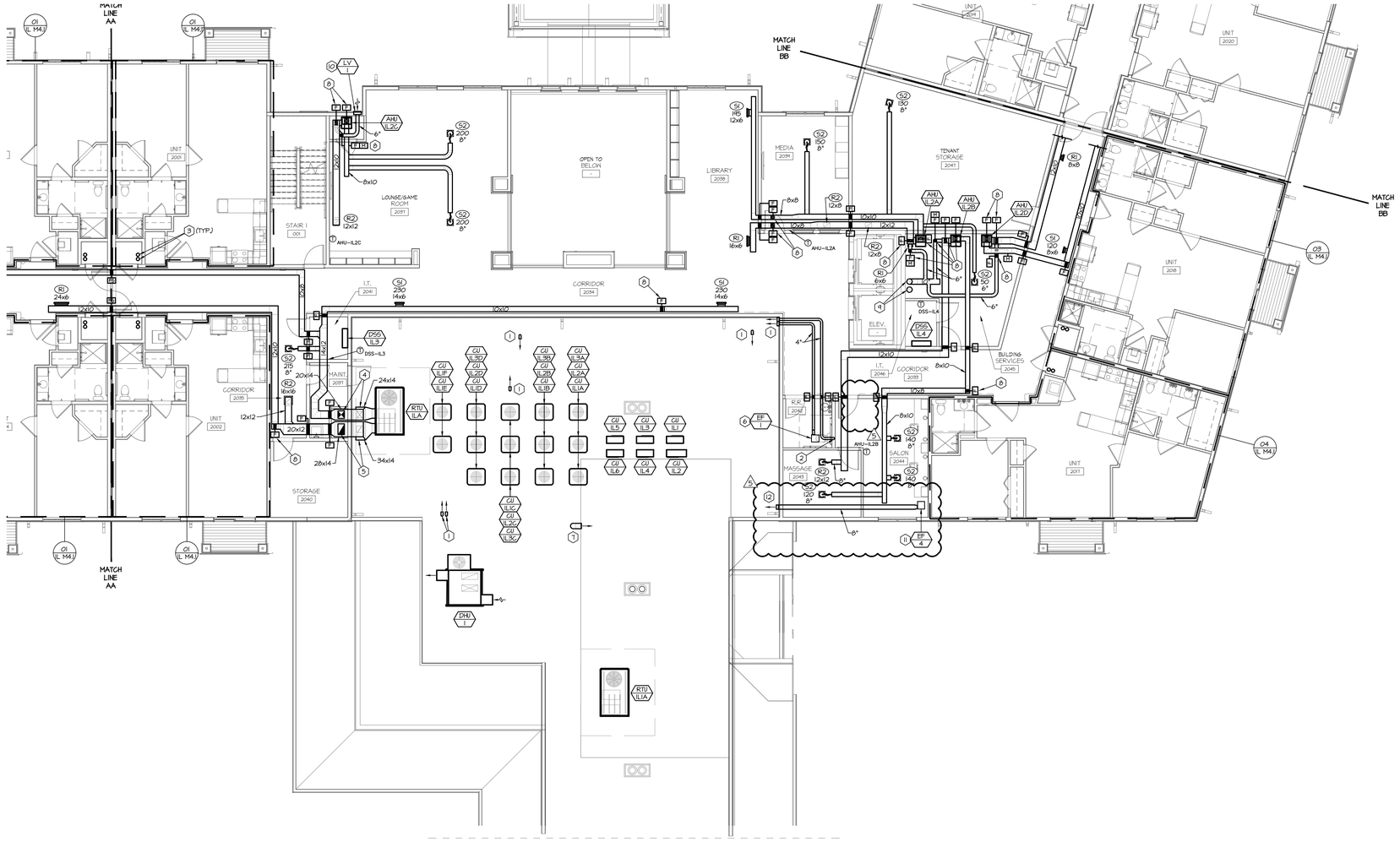


01 2ND FLOOR AREA B - MECHANICAL

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

NORTH

GENERAL NOTES:

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

PLAN NOTES:

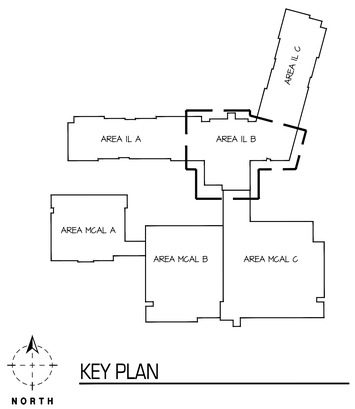
1. 4" EXHAUST VENT. REFER TO DETAIL ON SHEET IL M5.1.
2. DRYER EXHAUST VENT DOWN TO 1ST FLOOR.
3. 6" OUTSIDE AIR DUCT TO ROOF ABOVE AND FLOOR BELOW. REFER TO DETAIL ON SHEET IL M5.1.
4. 10x12 SUPPLY DUCT DOWN THROUGH ROOF AND INTO FIRST FLOOR CEILING, 20x14 SUPPLY DUCT UP ALONG EXTERIOR WALL AND INTO 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.



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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

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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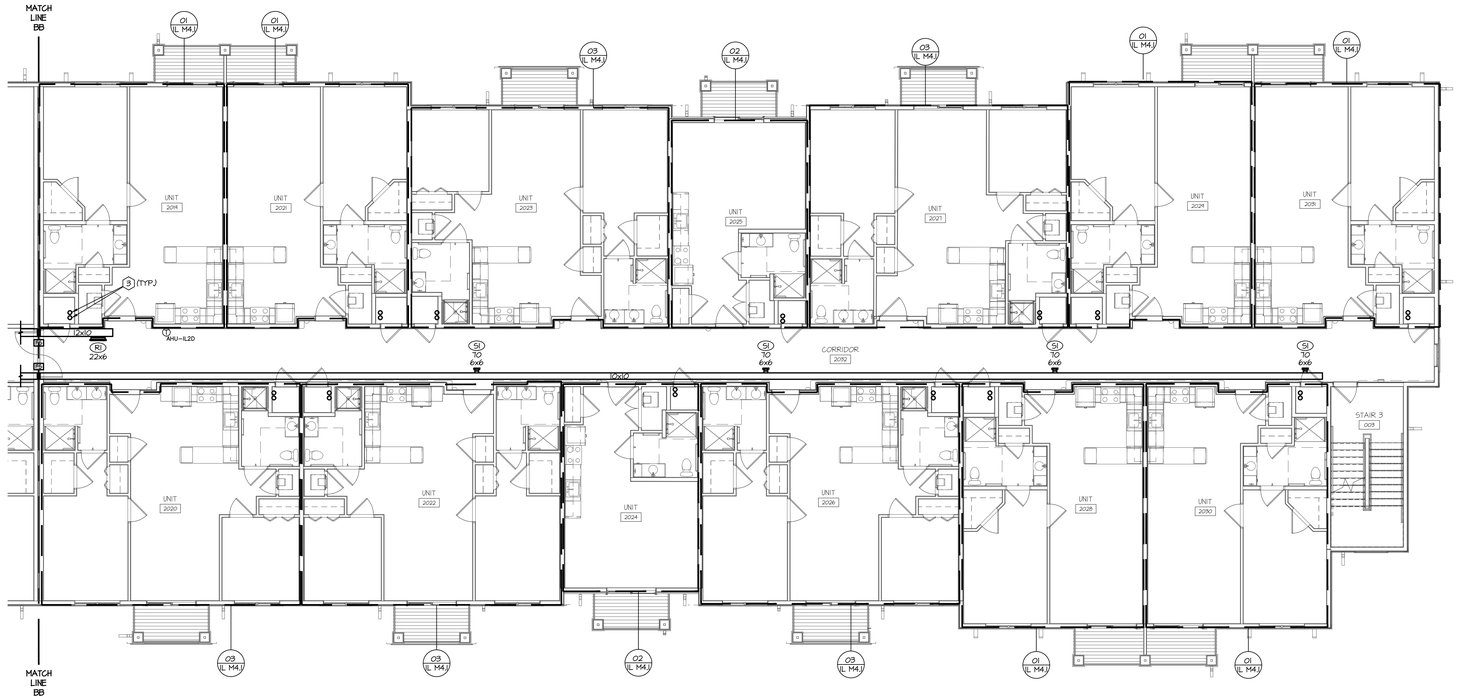
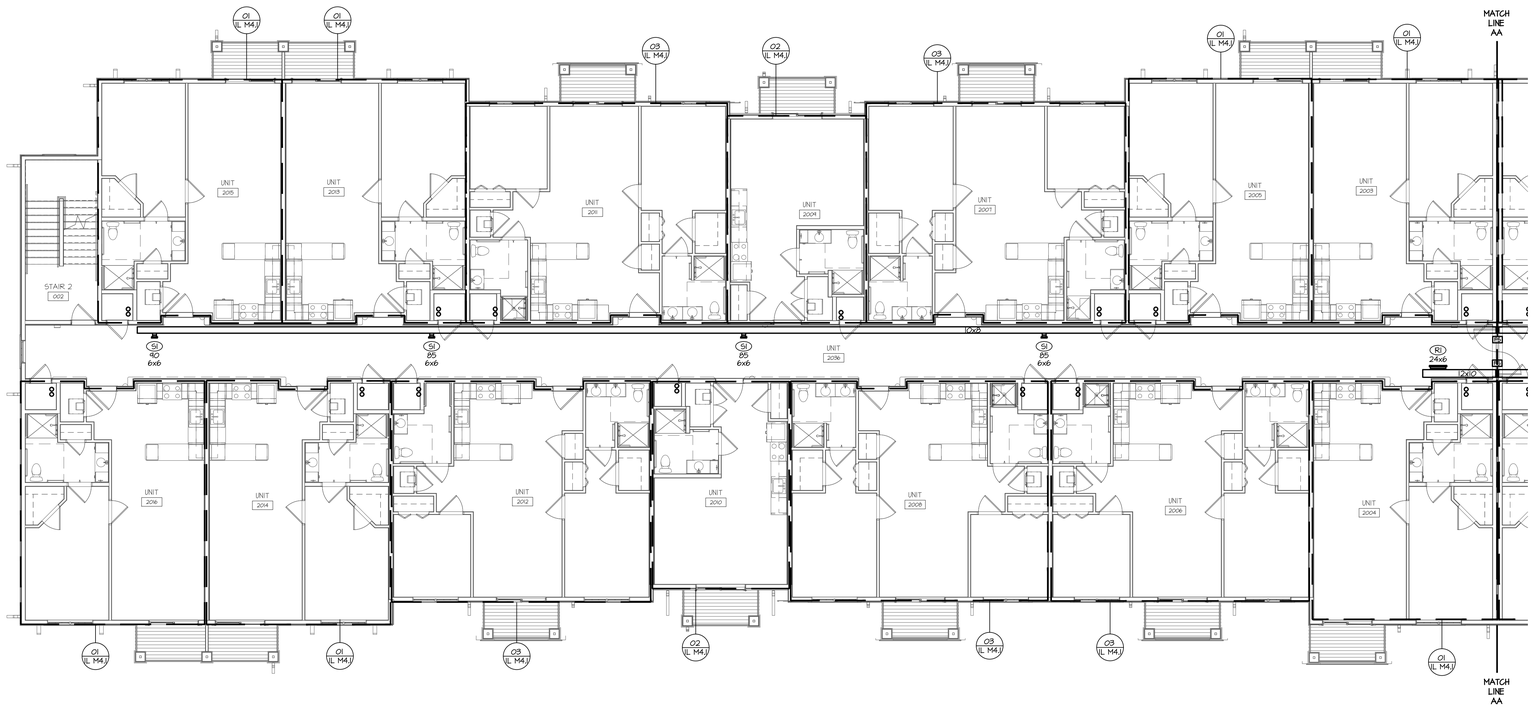


01 2ND FLOOR AREA C - MECHANICAL

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

NORTH



02 2ND FLOOR AREA A - MECHANICAL

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

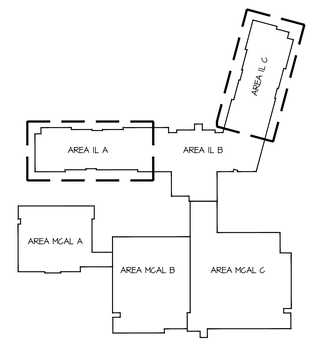
NORTH

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.



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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8/10/19

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AREA A & C
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IL M1.4

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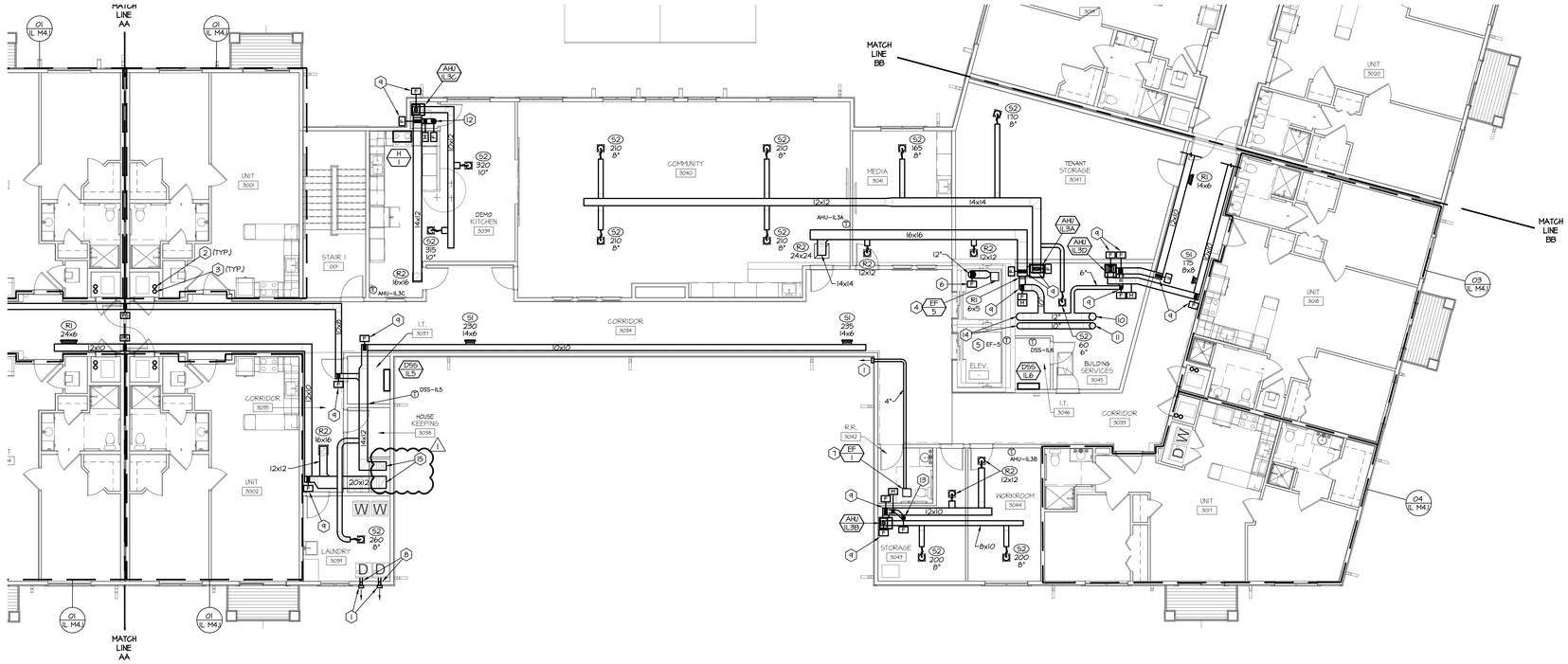


01 3RD FLOOR AREA B - MECHANICAL

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

NORTH

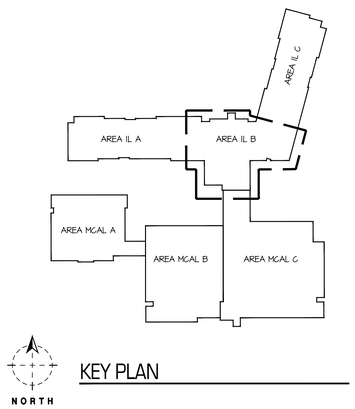
GENERAL NOTES:

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 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-1A DUCTWORK DOWN TO 2ND FLOOR. REFER TO 2ND FLOOR PLAN FOR CONTINUATION.



KEY PLAN

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IL
M1.5

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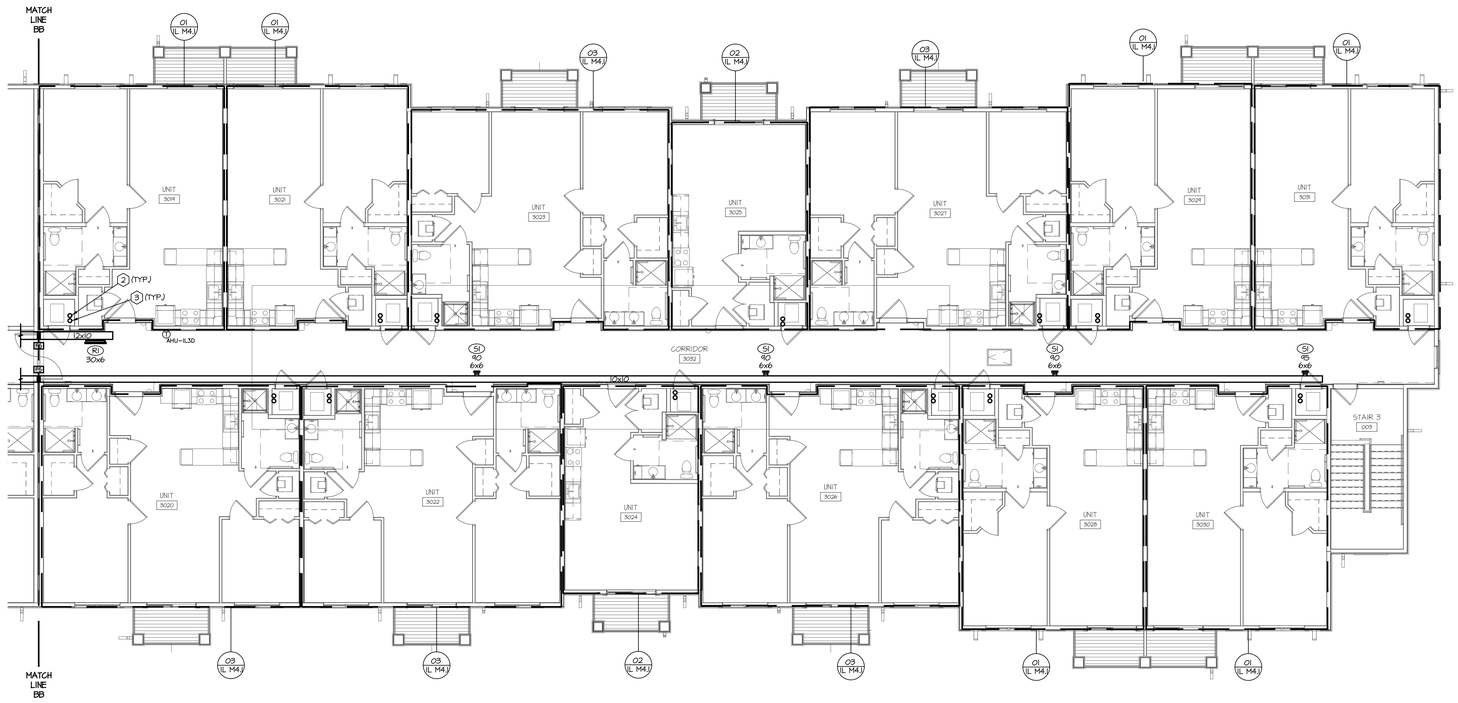
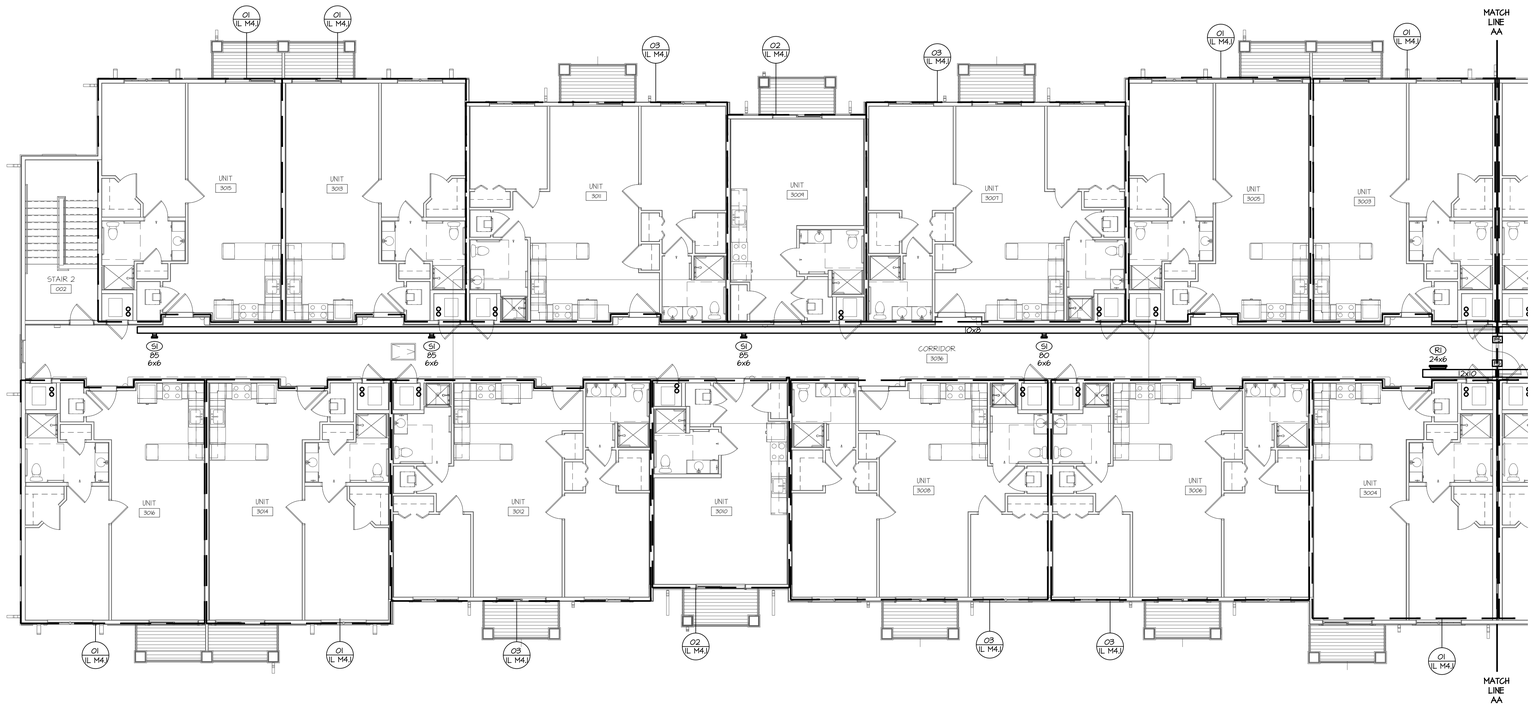


01 3RD FLOOR AREA C - MECHANICAL

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

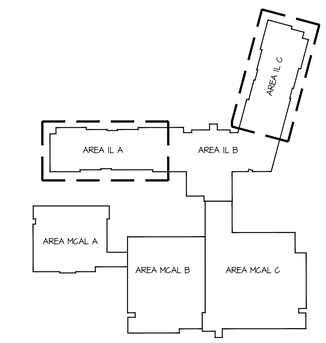
NORTH



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.

SWD ARCHITECTS EST 1935

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IL M1.6

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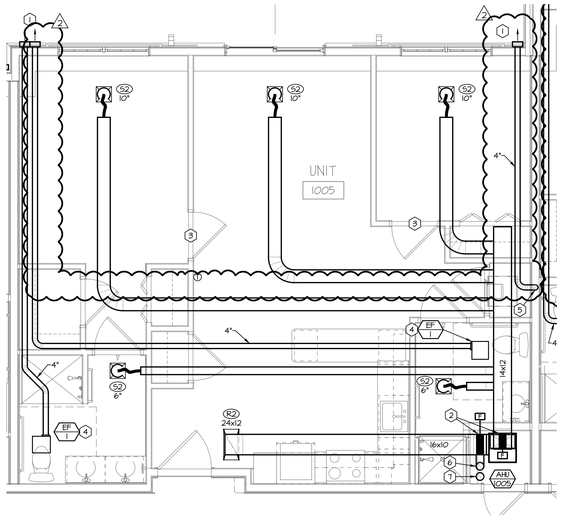
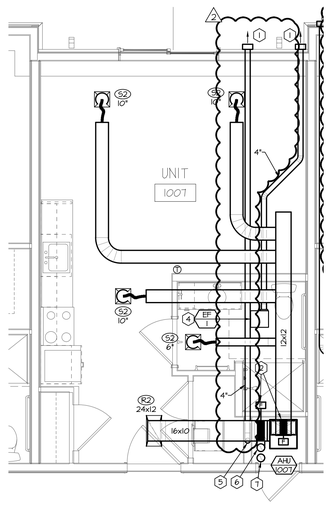
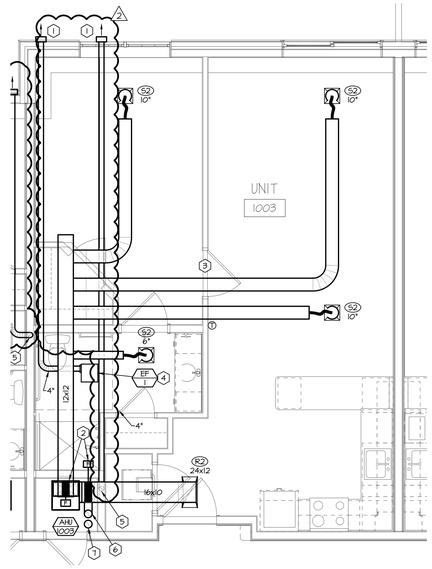


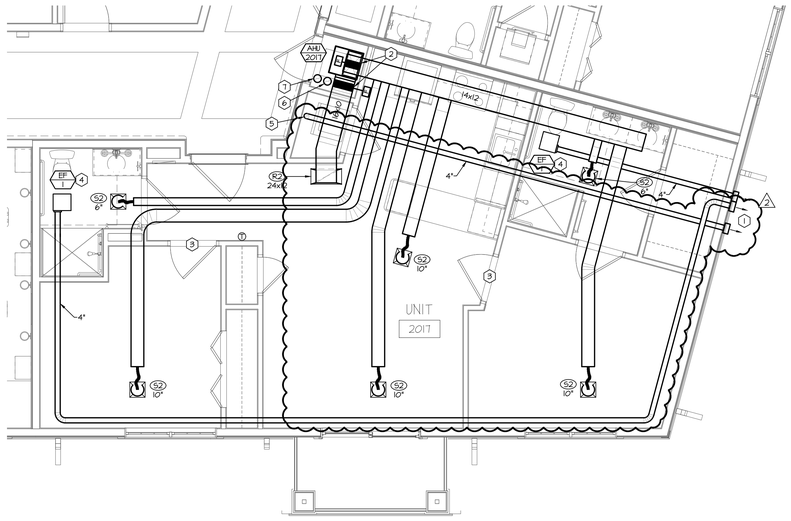
03 ENLARGED PLAN MECHANICAL - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



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 DBX1000M 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.

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
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8/10/19

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IL
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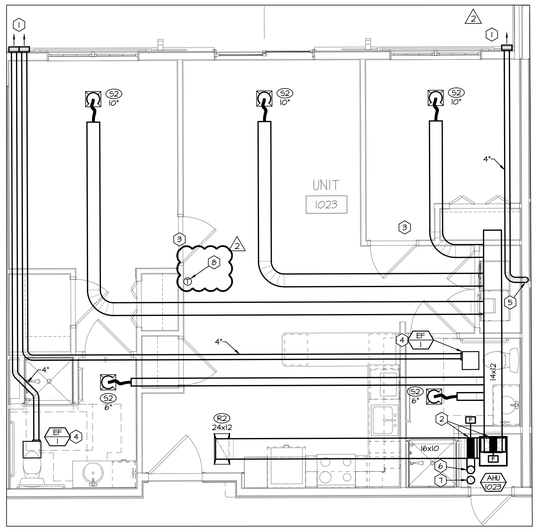
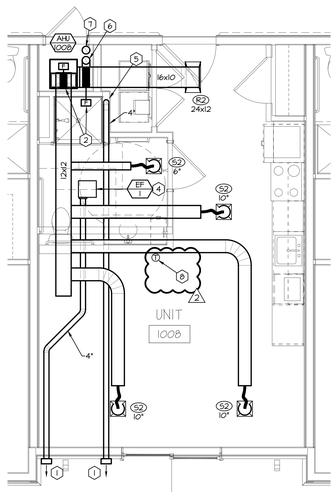
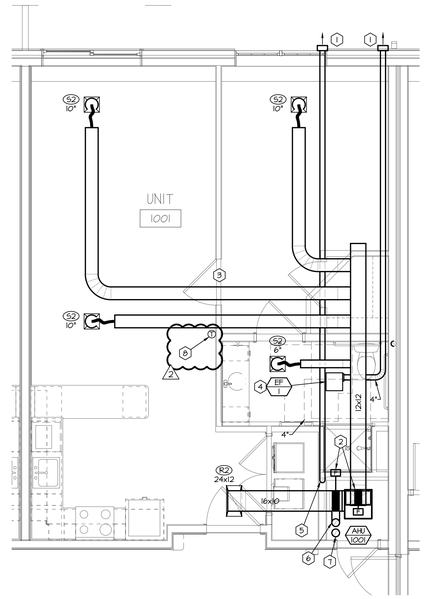


03 ENLARGED PLAN MECHANICAL - IL 2 BEDROOM - ADA
SCALE: 1/4" = 1'-0"



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.

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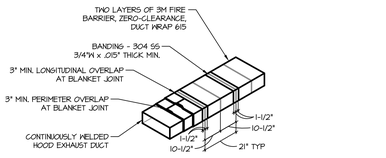
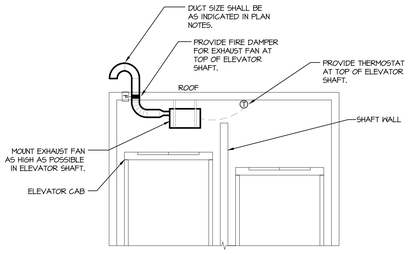
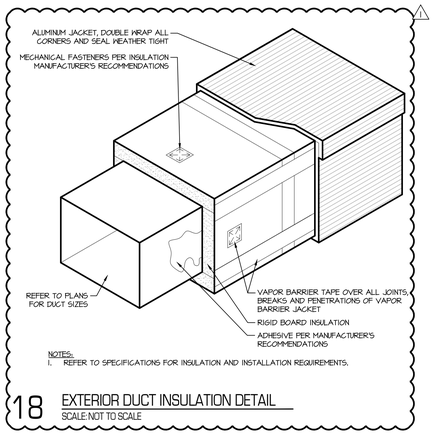


DESIGN NOTES:
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND TO HOOD.
2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH ⅜" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER 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

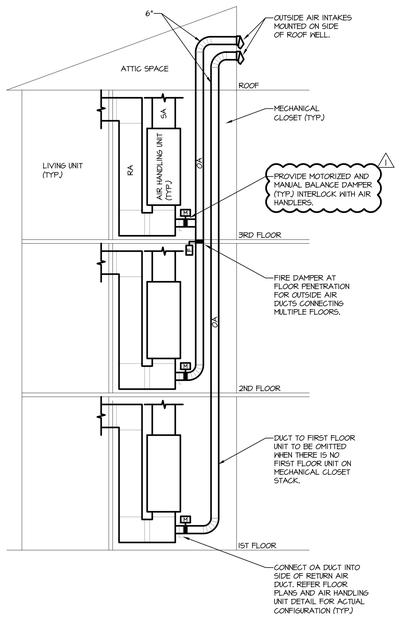


17 ELEVATOR EXHAUST FAN DETAIL
SCALE: NOT TO SCALE

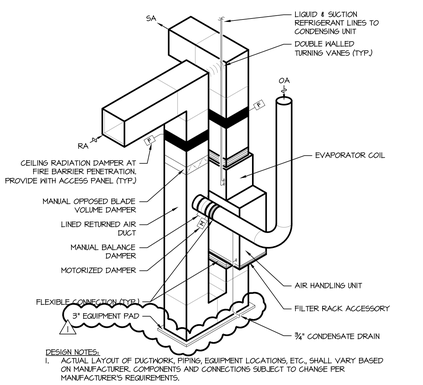


NOTES:
1. REFER TO SPECIFICATIONS FOR INSULATION AND INSTALLATION REQUIREMENTS.

18 EXTERIOR DUCT INSULATION DETAIL
SCALE: NOT TO SCALE

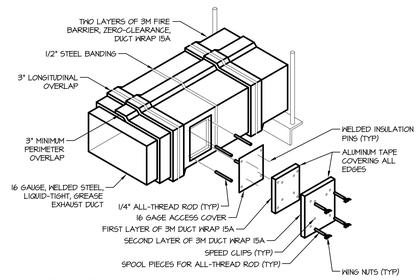


13 AIR HANDLING UNIT OUTSIDE AIR RISER
SCALE: NOT TO SCALE



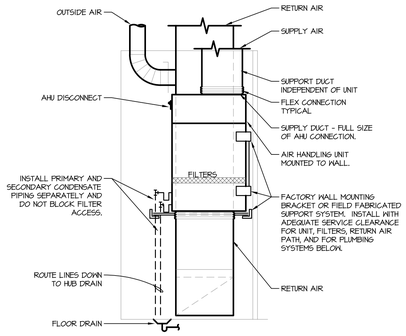
DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

14 AIR HANDLING UNIT DETAIL
SCALE: NOT TO SCALE

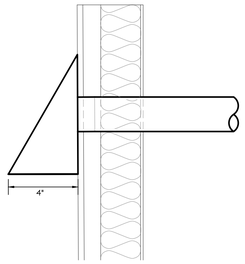


DESIGN NOTES:
1. PROVIDE ACCESS DOORS AS REQUIRED BY THE MECHANICAL CODE AND NFPA-96.
2. REFER TO MANUFACTURER'S LITERATURE FOR EXACT INSTALLATION REQUIREMENTS AND PROVIDE CLEANOUT COVERING AS SHOWN IN MANUFACTURER'S LITERATURE

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

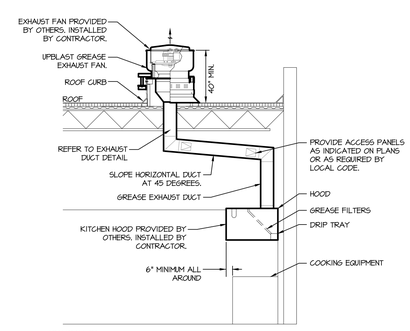


09 TYPICAL UNIT MECHANICAL CLOSET DETAIL
SCALE: NOT TO SCALE



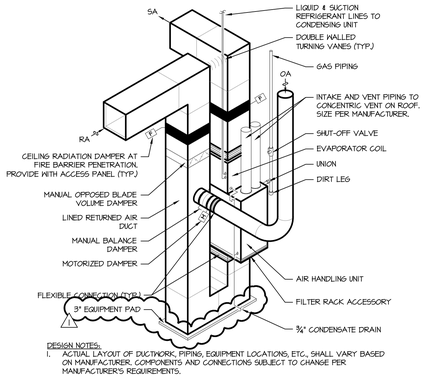
NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE SIDING AND FLASHING PER ARCHITECTURAL AND/OR SIDING MANUFACTURER'S REQUIREMENTS.
3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE.
4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION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



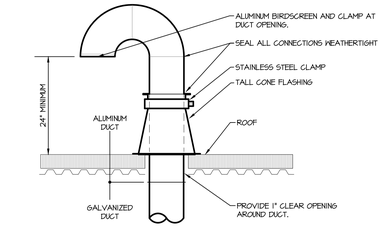
DESIGN NOTES:
1. LAYOUT SHOWN IS SCHEMATIC AND INTENDED TO SHOW GENERAL REQUIREMENTS. REFERENCE PLANS FOR LAYOUT.
2. REFER TO SPECIFICATIONS FOR FIRE-WRAP INSULATION.

11 KITCHEN HOOD EXHAUST SCHEMATIC
SCALE: NOT TO SCALE



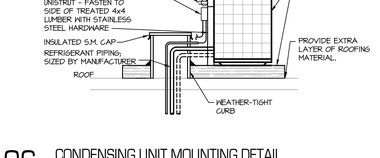
DESIGN NOTES:
1. ACTUAL LAYOUT OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC., SHALL VARY BASED ON MANUFACTURER, COMPONENTS AND CONNECTIONS SUBJECT TO CHANGE PER MANUFACTURER'S REQUIREMENTS.

12 GAS FURNACE DETAIL
SCALE: NOT TO SCALE

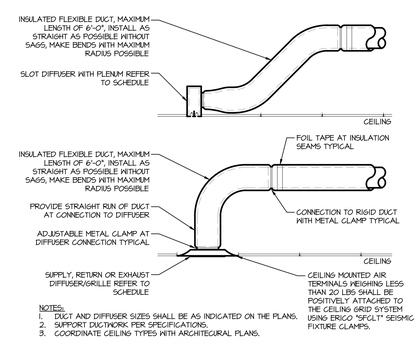


NOTES:
1. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.
2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.

05 ROUND INTAKE OR EXHAUST GOOSENECK
SCALE: NOT TO SCALE

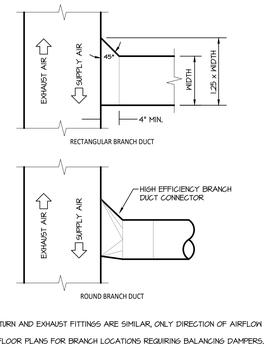


06 CONDENSING UNIT MOUNTING DETAIL
SCALE: NOT TO SCALE



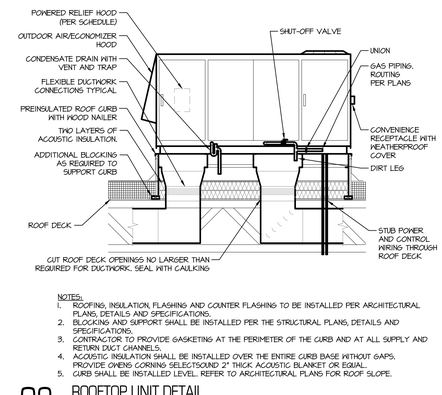
NOTES:
1. DUCT AND DIFFUSER SIZES SHALL BE AS INDICATED ON THE PLANS.
2. SUPPORT DUCTWORK PER SPECIFICATIONS.
3. COORDINATE CEILING TYPES WITH ARCHITECTURAL PLANS.

07 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE



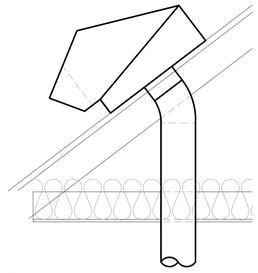
NOTES:
1. SUPPLY, RETURN AND EXHAUST FITTINGS ARE SIMILAR, ONLY DIRECTION OF AIRFLOW CHANGES.
2. REFER TO FLOOR PLANS FOR BRANCH LOCATIONS REQUIRING BALANCING DAMPERS.

08 BRANCH DUCT DETAIL
SCALE: NOT TO SCALE



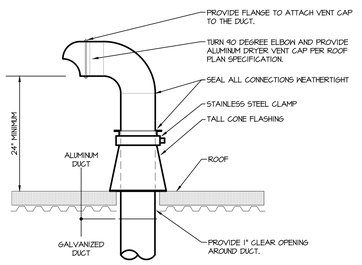
NOTES:
1. ROOFING, INSULATION, FLASHING AND COUNTER FLASHING TO BE INSTALLED PER ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS.
2. BLOCKING AND SUPPORT SHALL BE INSTALLED PER THE STRUCTURAL PLANS, DETAILS AND SPECIFICATIONS.
3. CONTRACTOR TO PROVIDE GASKETING AT THE PERIMETER OF THE CURB AND AT ALL 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
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H&B PROJECT NUMBER : 1820588
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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.
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.

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.
- 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.

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	77.4/59.7	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	77.4/59.7	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	77.4/59.7	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.

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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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 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

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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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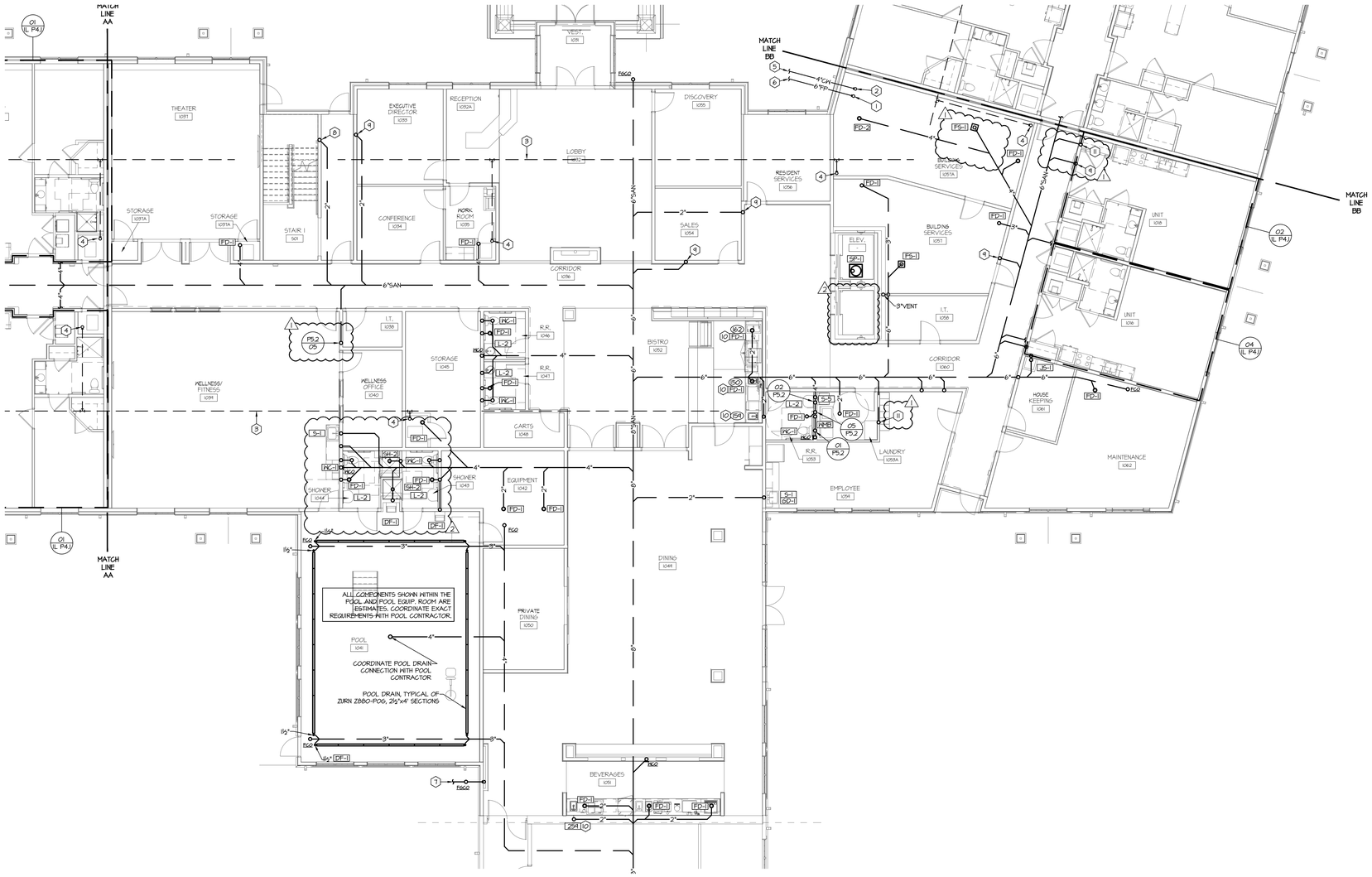


01 1ST FLOOR AREA B - BELOW GRADE PLUMBING

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.

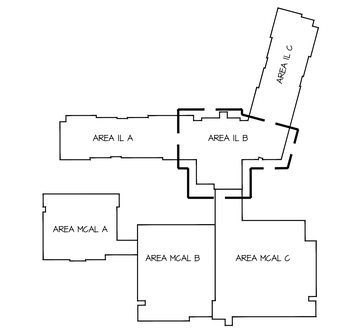
R. NOT ALL PLAN NOTES MAY BE USED ON EACH SHEET.

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

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
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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 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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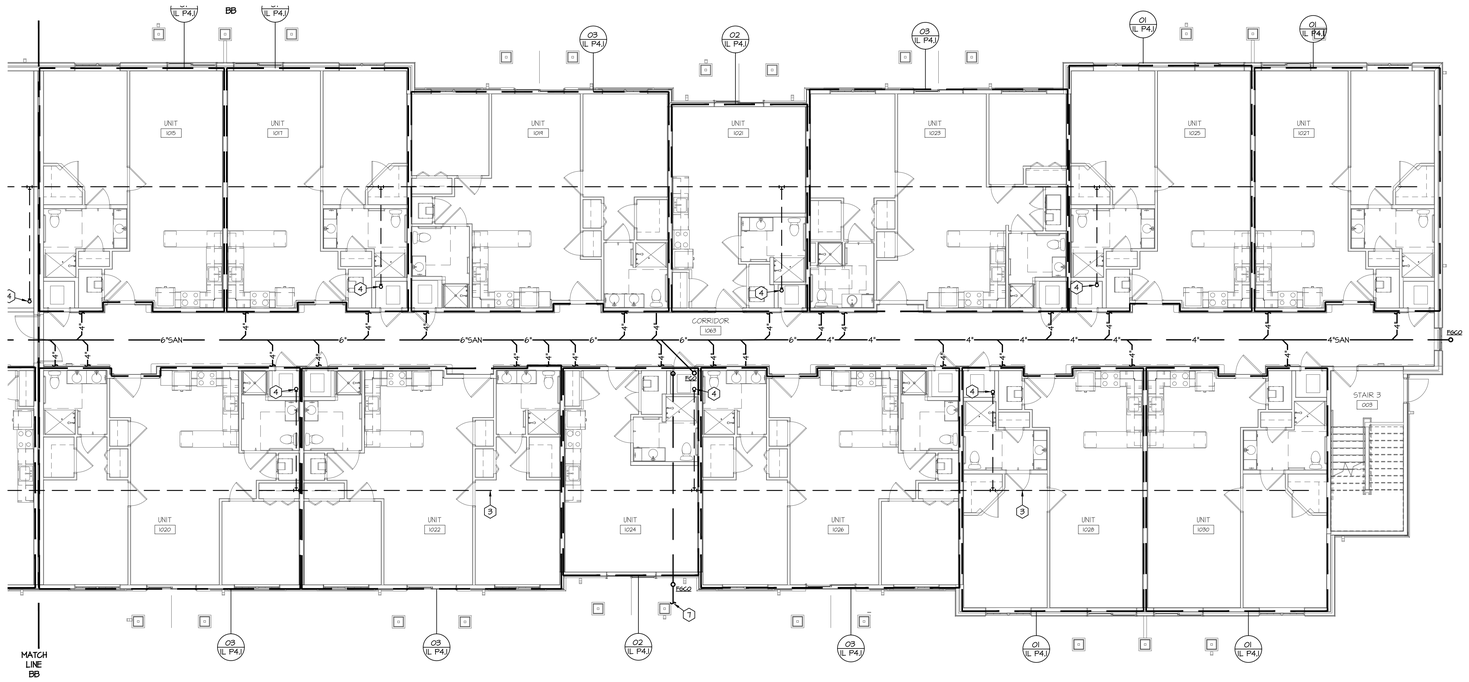
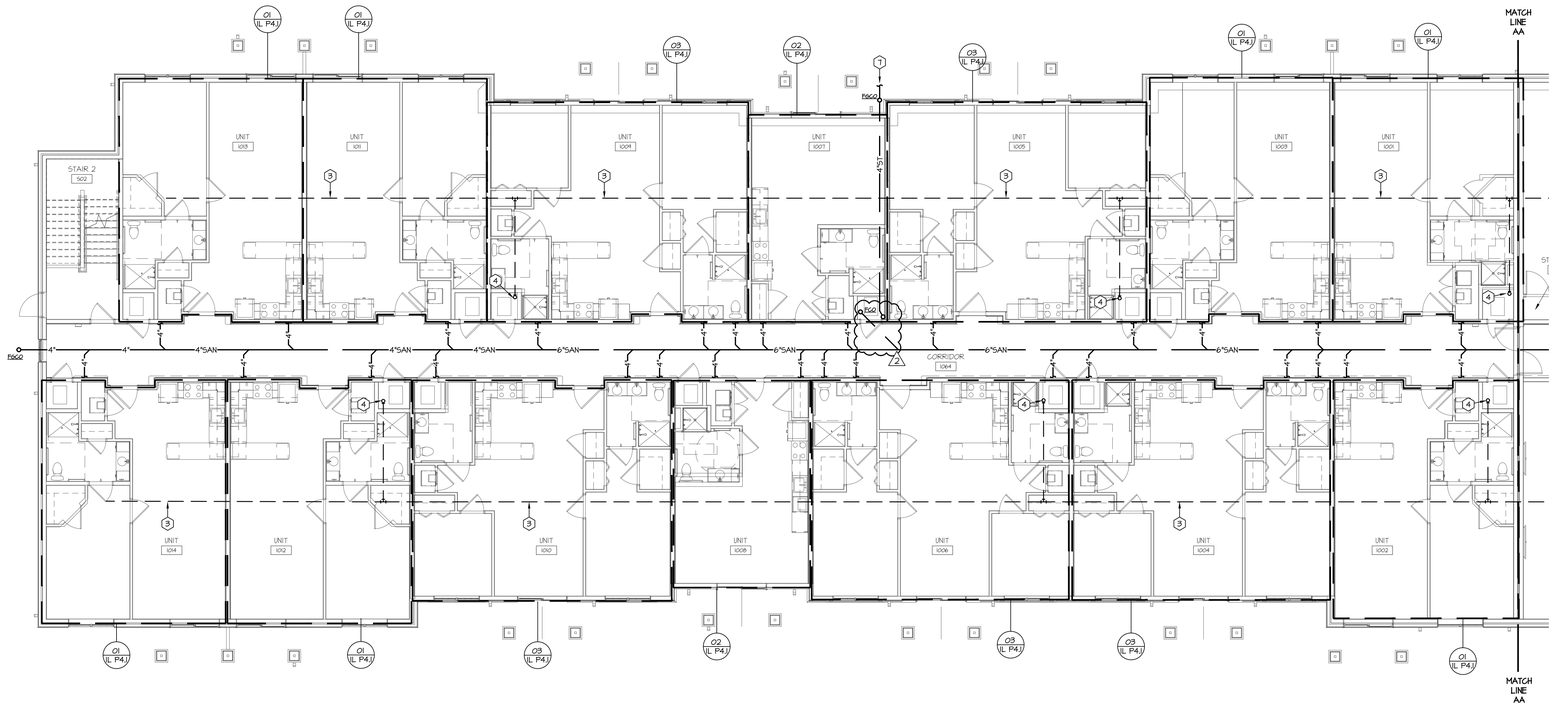


01 1ST FLOOR AREA C - BELOW GRADE PLUMBING

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

NORTH



02 1ST FLOOR AREA A - BELOW GRADE PLUMBING

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

NORTH

GENERAL NOTES:

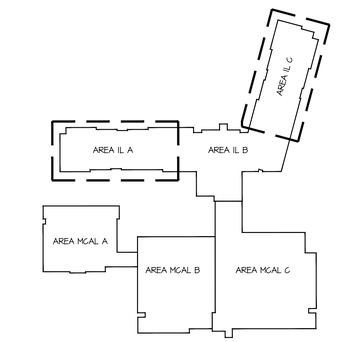
A. REFER TO IL P0.1 FOR PLUMBING GENERAL NOTES.

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 MPE1.1 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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8/10/19

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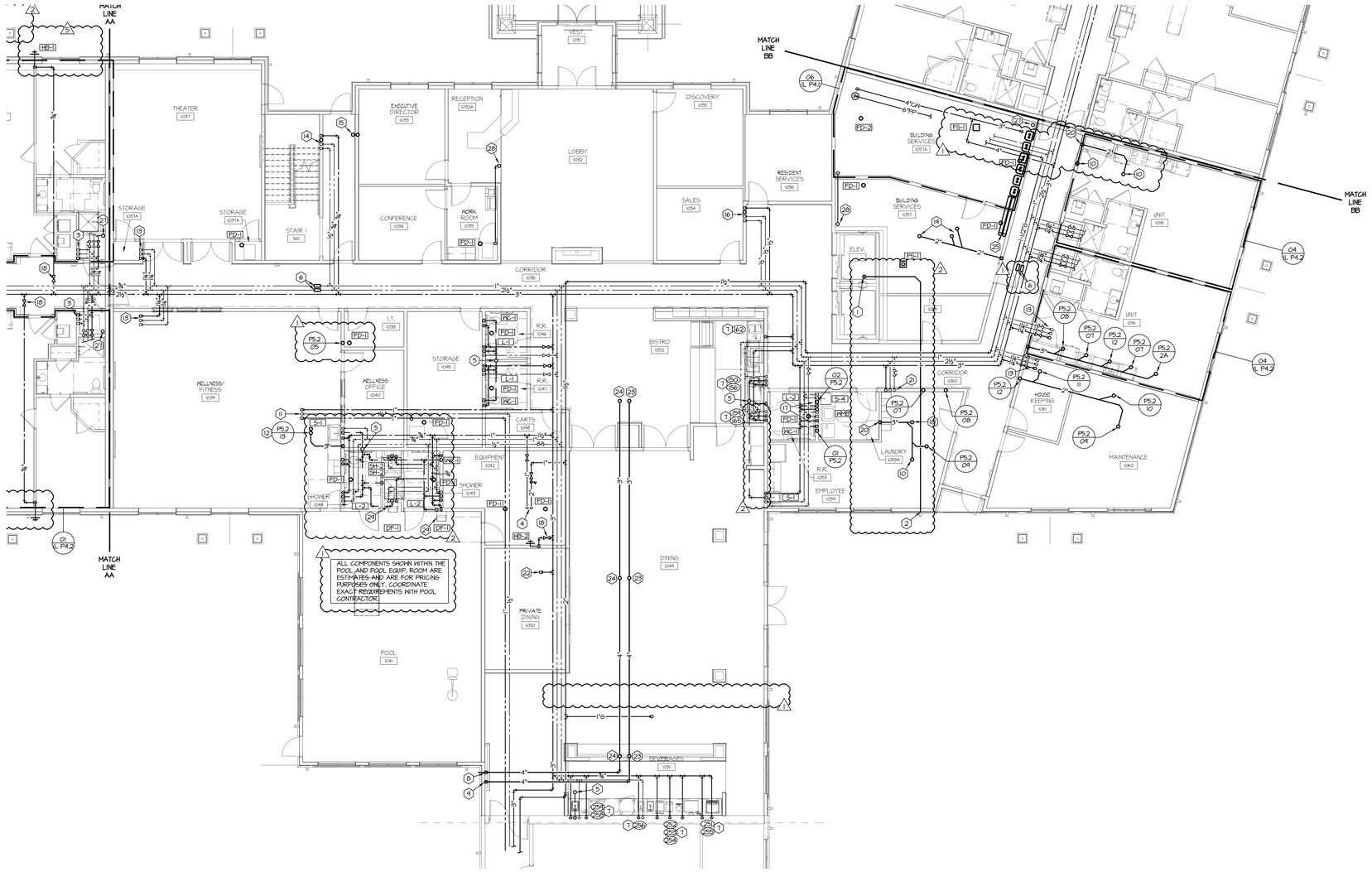


01 1ST FLOOR AREA B - PLUMBING

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

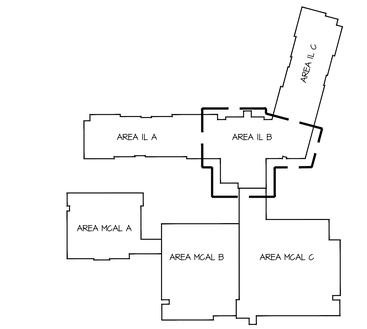
NORTH

GENERAL NOTES:

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

PLAN NOTES:

1. ~~21-DIA. DRAIN PIPE FROM SUMP PUMP 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.



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

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

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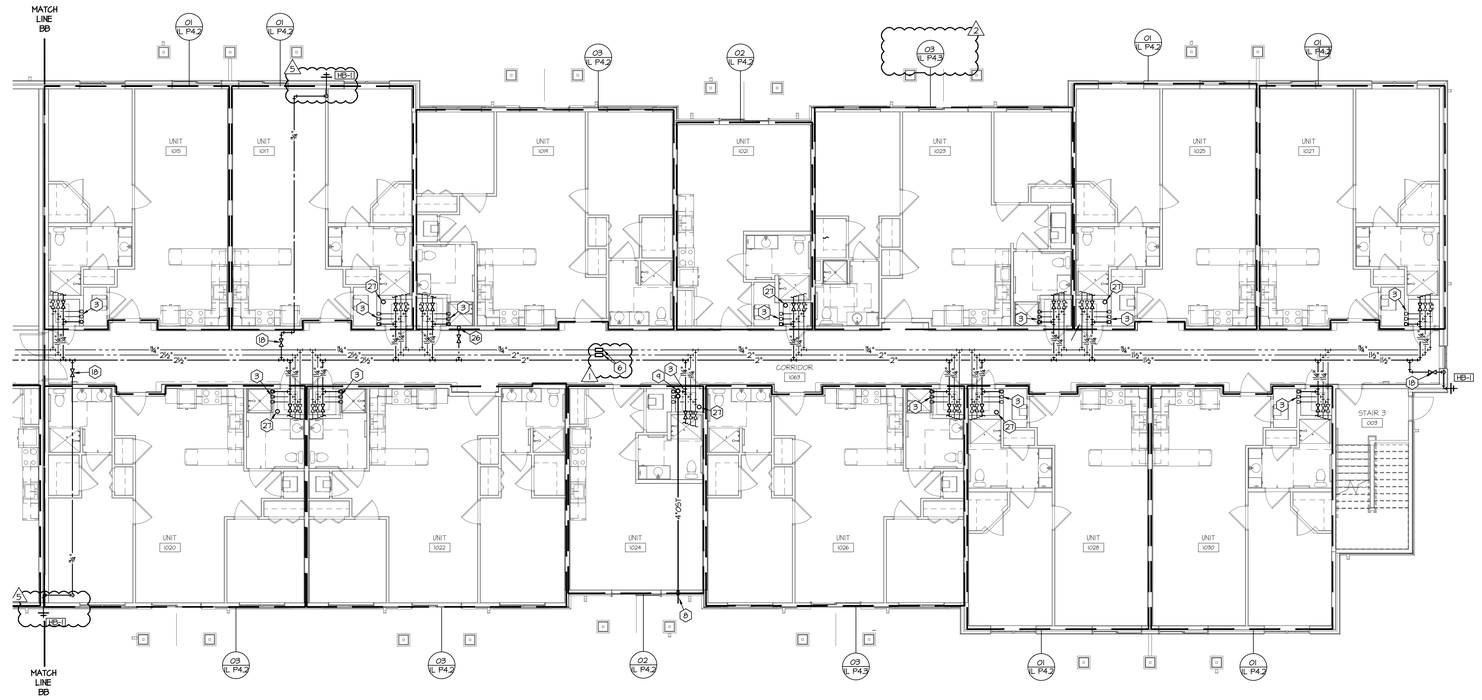
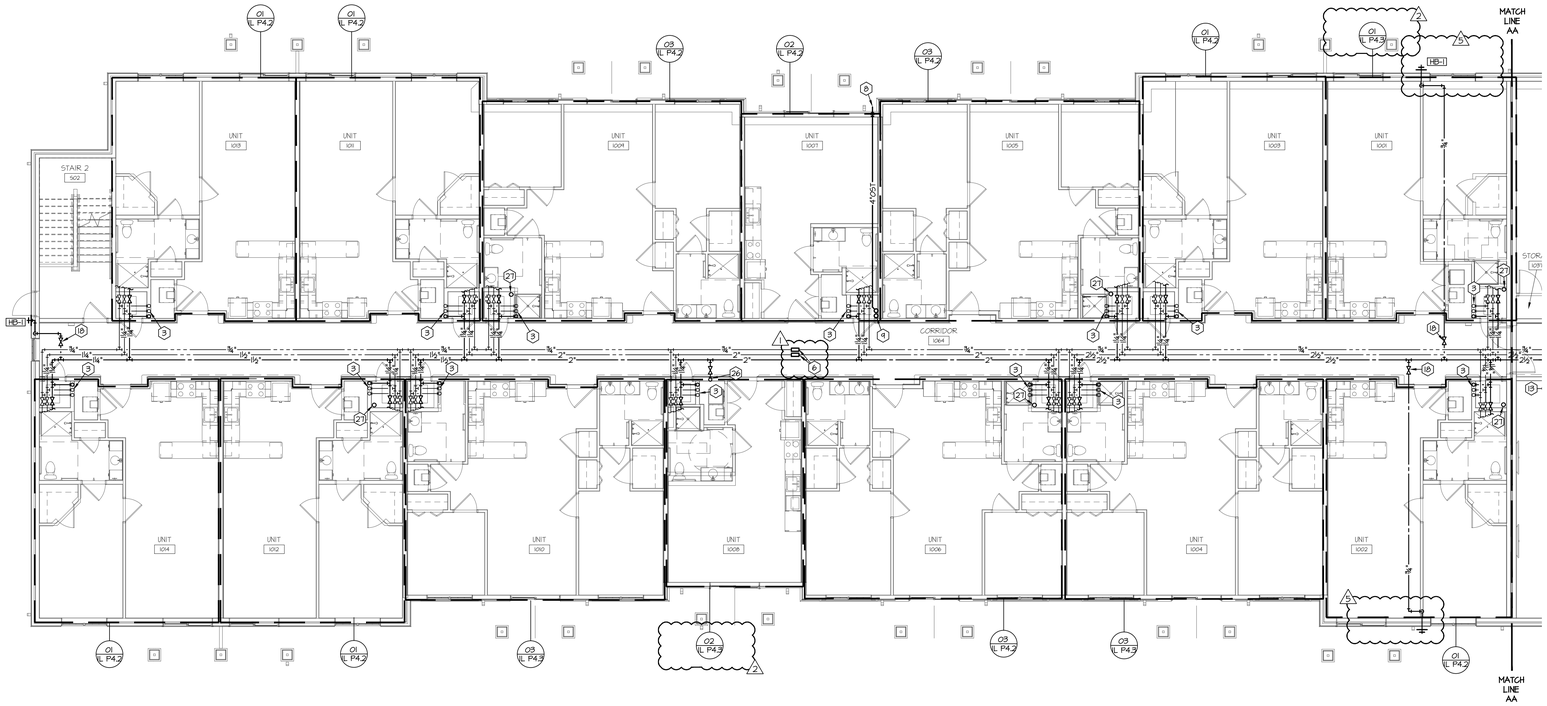


01 1ST FLOOR AREA C - PLUMBING

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

NORTH



02 1ST FLOOR AREA A - PLUMBING

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

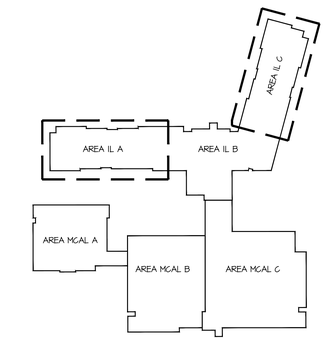
NORTH

GENERAL NOTES:

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

PLAN NOTES:

1. ~~2" PVC DRAIN PIPE FROM SUMP PUMP 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 ¾" 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.



NORTH

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LICENSE NO. 2009035182

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

8/10/19

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INDEPENDENT LIVING

ISSUE DATE:
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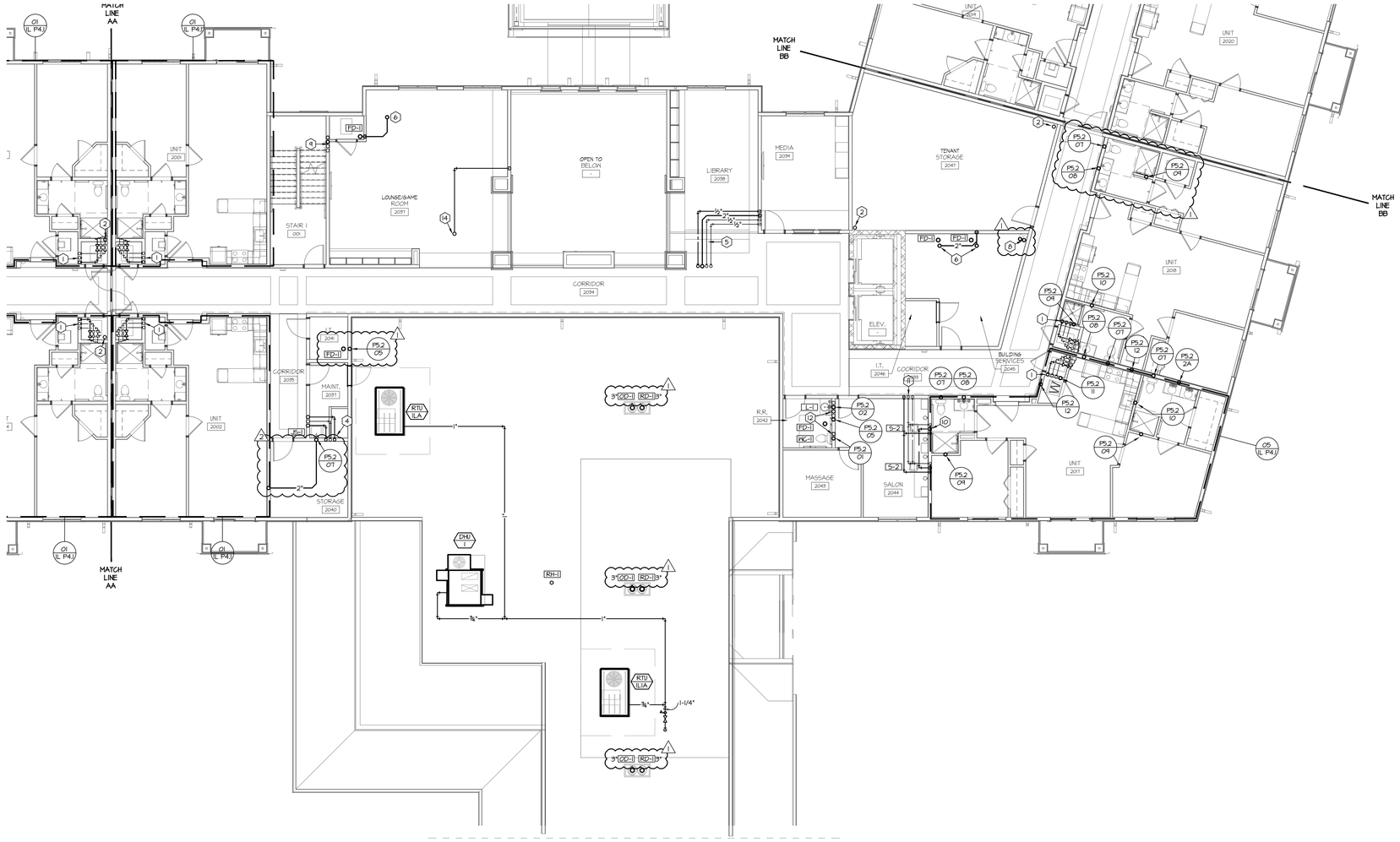


01 2ND FLOOR AREA B - PLUMBING

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

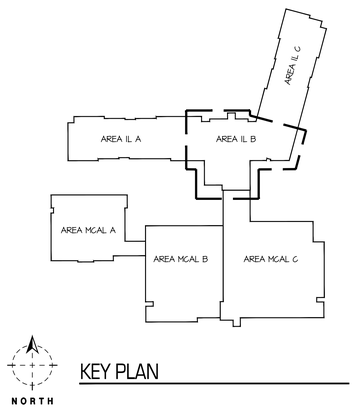
NORTH

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 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, ½" 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.



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SWD ARCHITECTS EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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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

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3. STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

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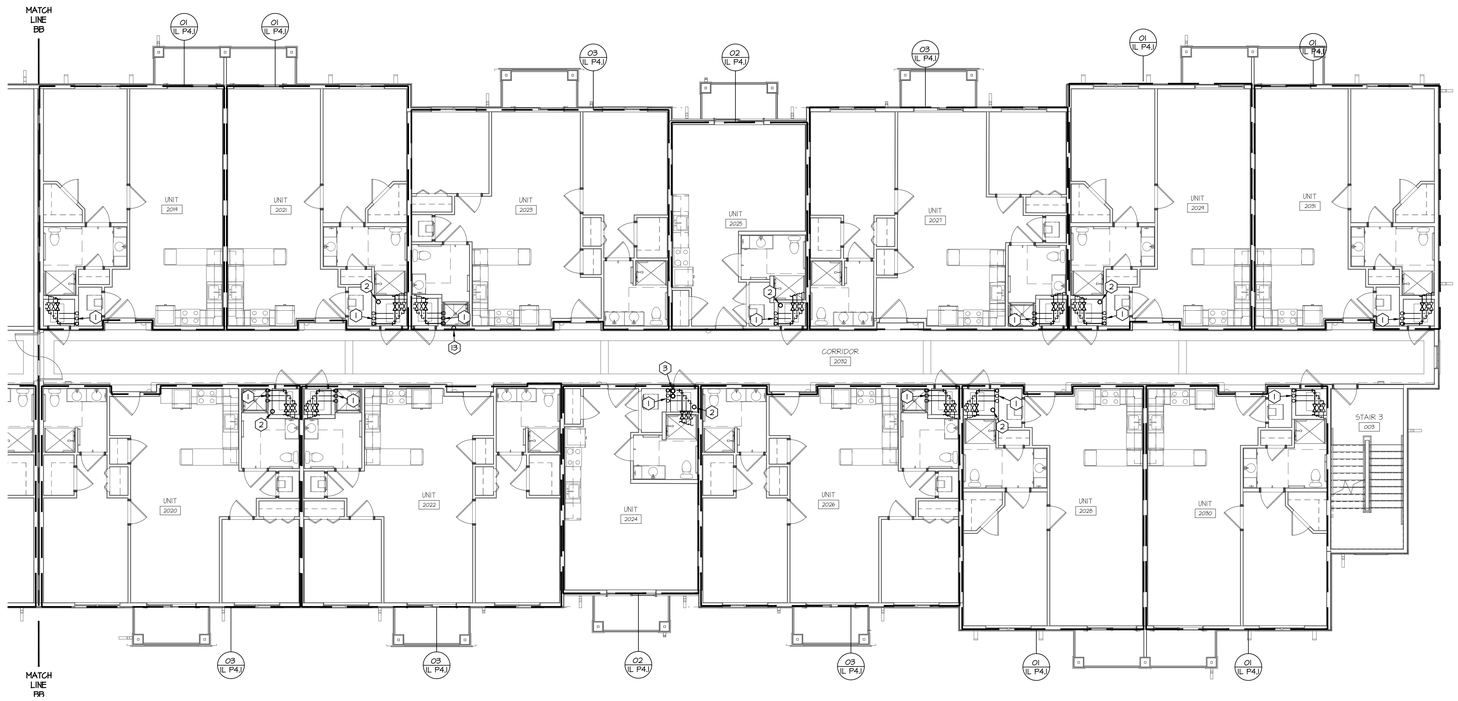
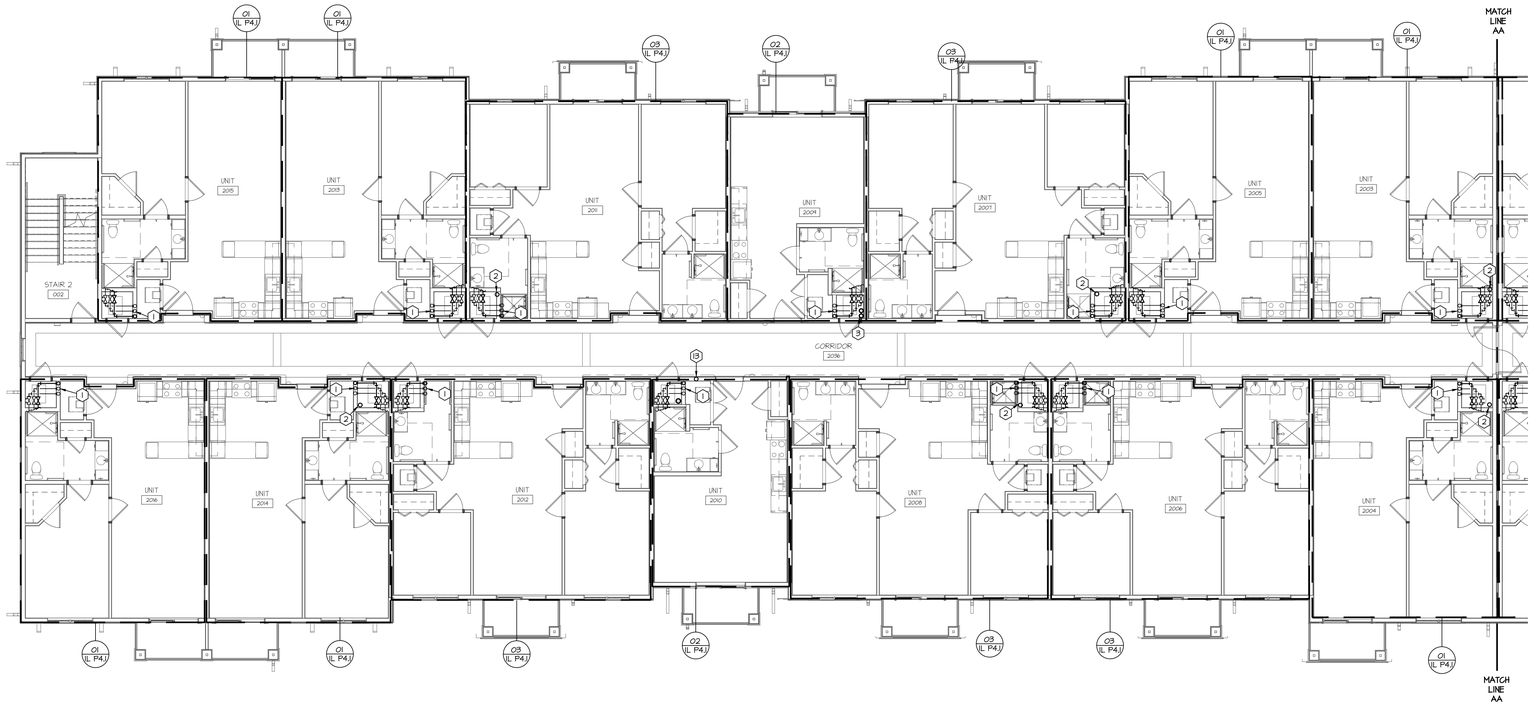


01 2ND FLOOR AREA C - PLUMBING

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

NORTH



02 2ND FLOOR AREA A - PLUMBING

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

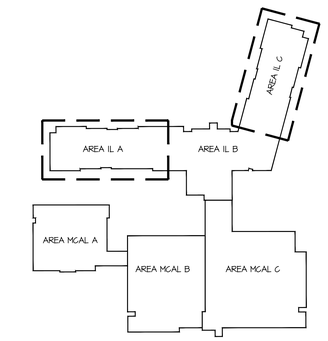
NORTH

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, ½" 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

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EST 1935

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MISSOURI CERTIFICATE
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H&B ENGINEERS
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Lenexa, Kansas 66214
913.362.9090 | mail@h-be.com
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LICENSE NO. 2009035182

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

8/10/19

SECOND FLOOR
AREA A & C
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REVISIONS:
1 ADDENDUM #1 - 6/5/2019
2 CITY COMMENTS - 7/15/2019
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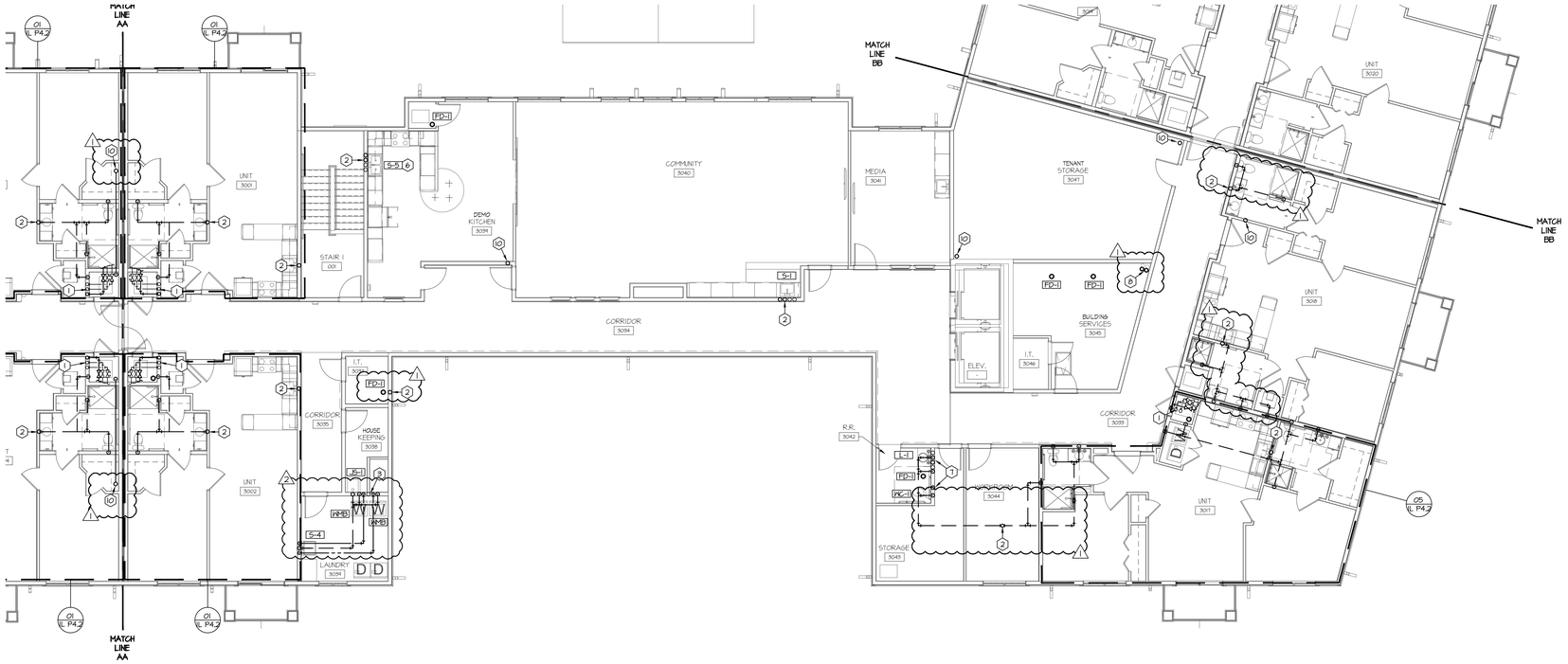

01 3RD FLOOR AREA B - PLUMBING

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

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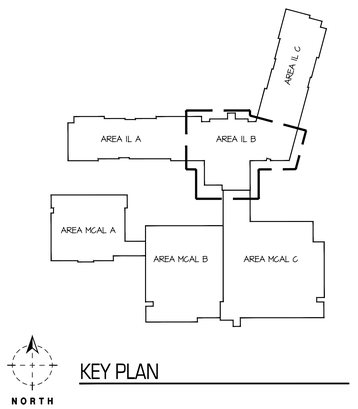
GENERAL NOTES:

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.



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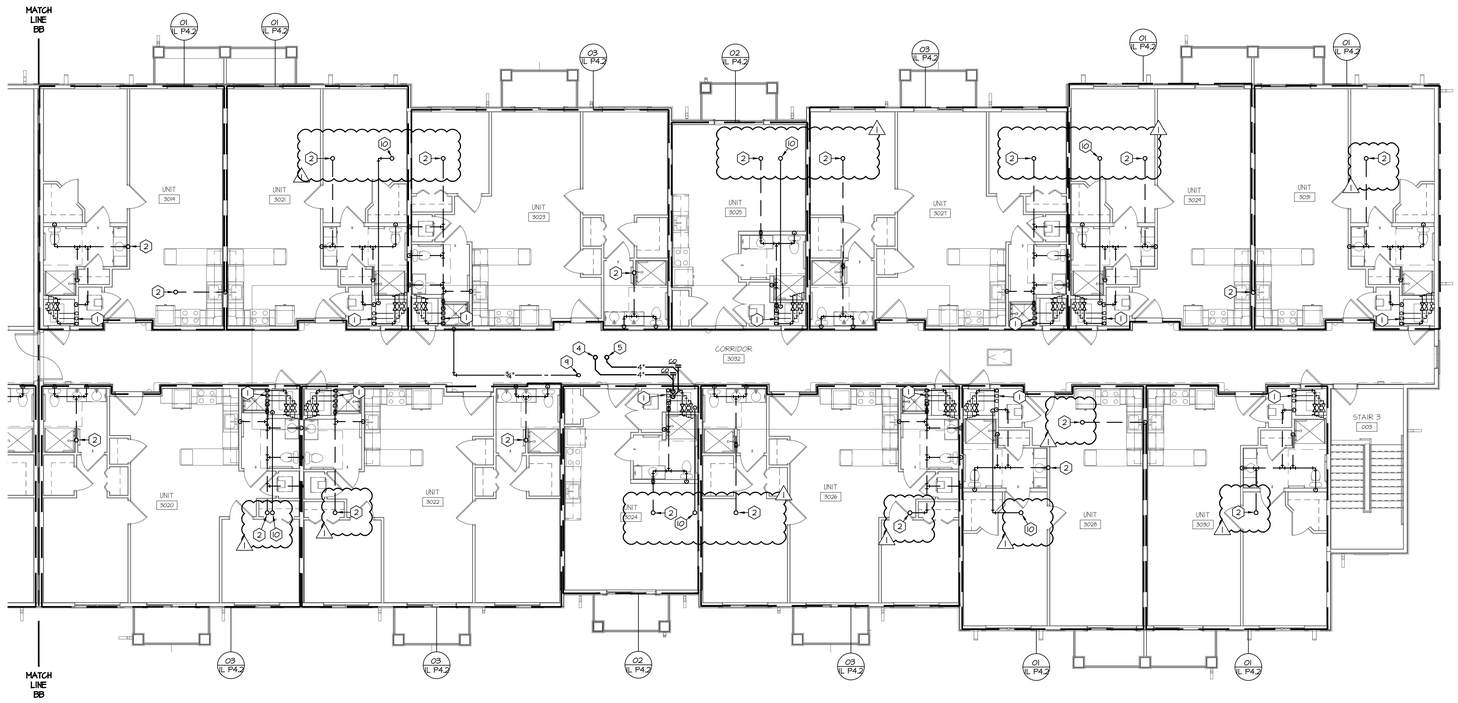
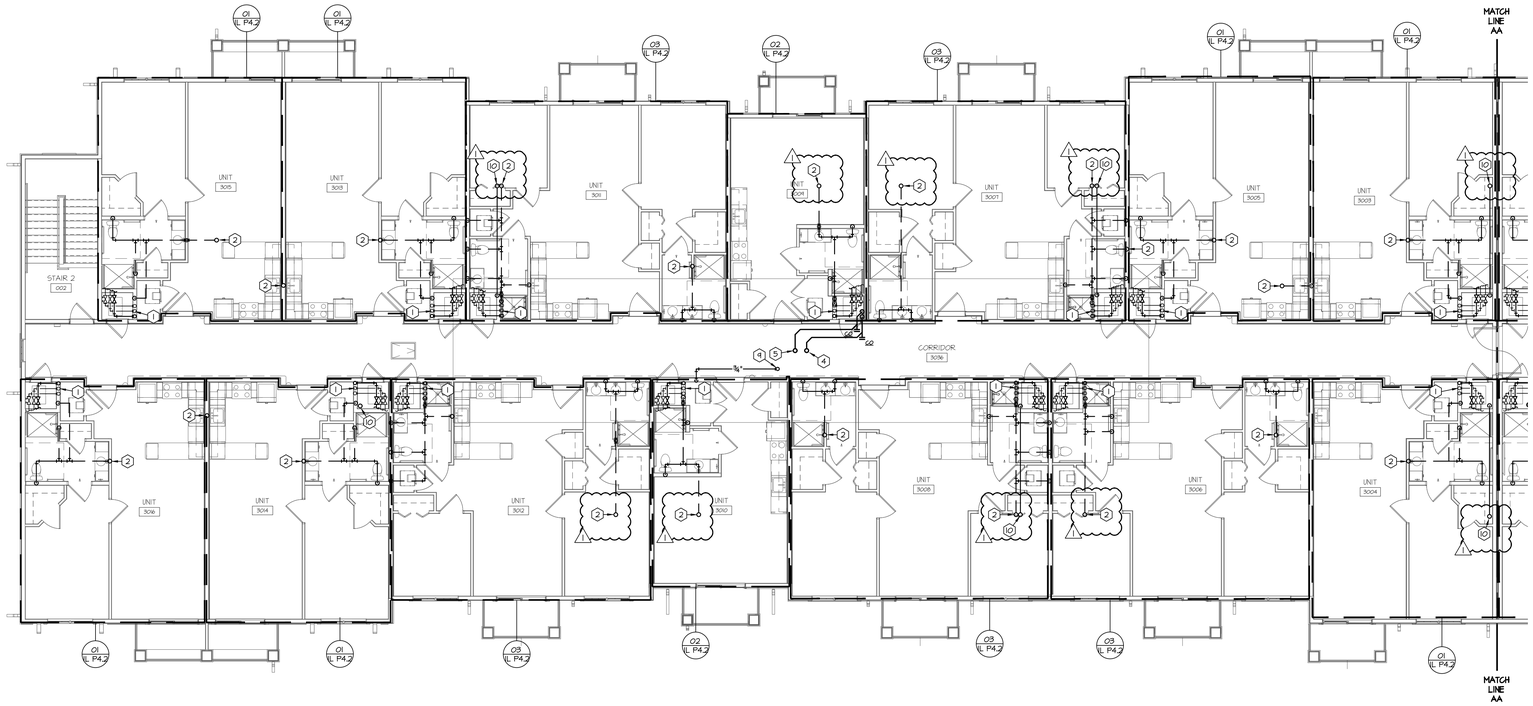


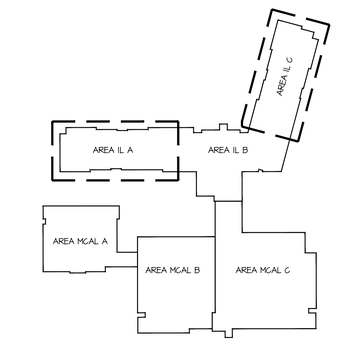
01 3RD FLOOR AREA C - PLUMBING
SCALE: 1/8" = 1'-0"

NORTH



02 3RD FLOOR AREA A - PLUMBING
SCALE: 1/8" = 1'-0"

NORTH



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GENERAL NOTES:

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

PLAN NOTES:

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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.

SWD ARCHITECTS
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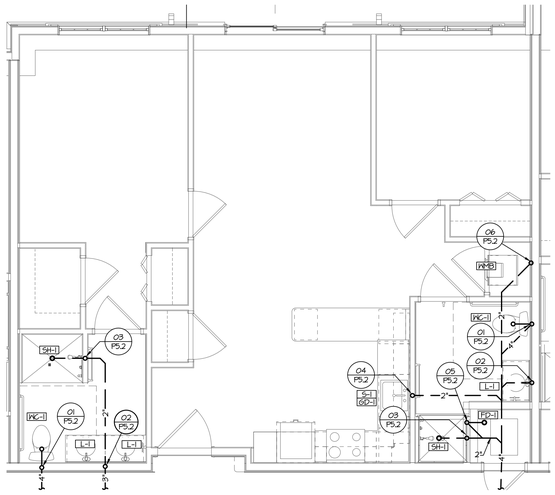
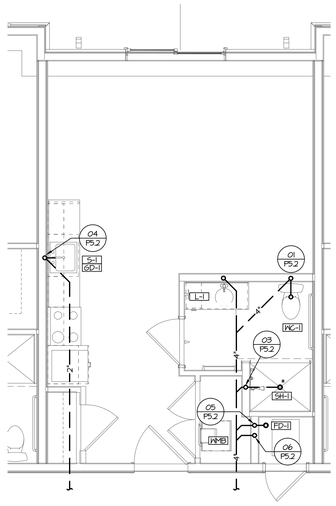
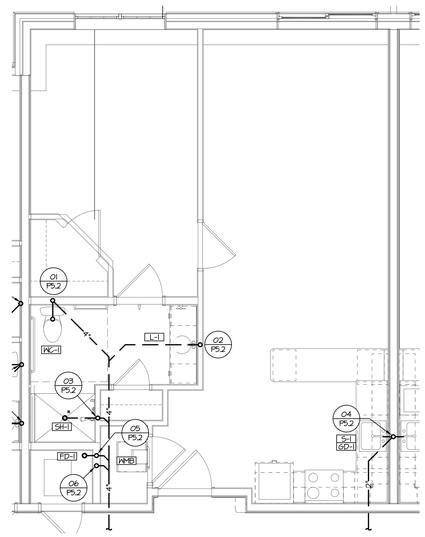


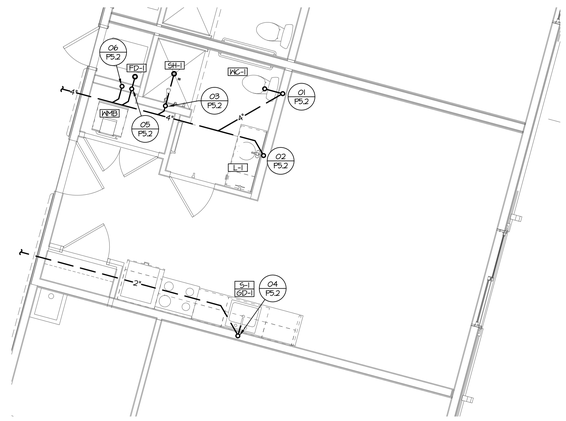
03 ENLARGED PLAN BELOW GRADE PLUMBING - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



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"

GENERAL NOTES:

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

PLAN NOTES:

1. NOT USED.

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ARCHITECTURAL CORPORATION
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OF AUTHORITY NO. 000073

H&B ENGINEERS
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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

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

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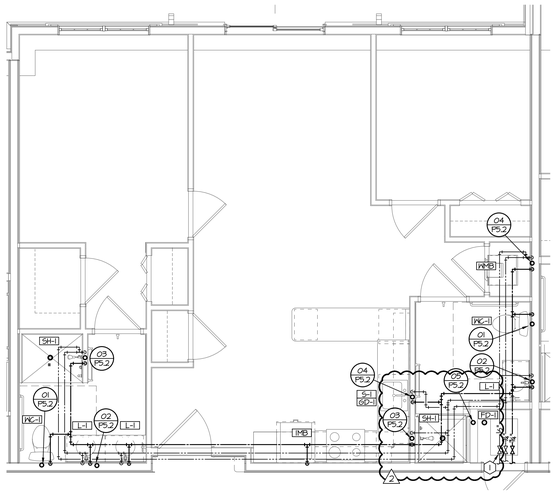
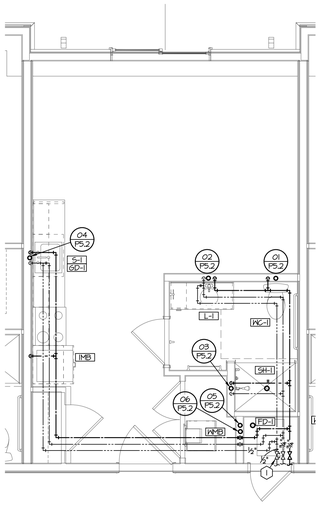
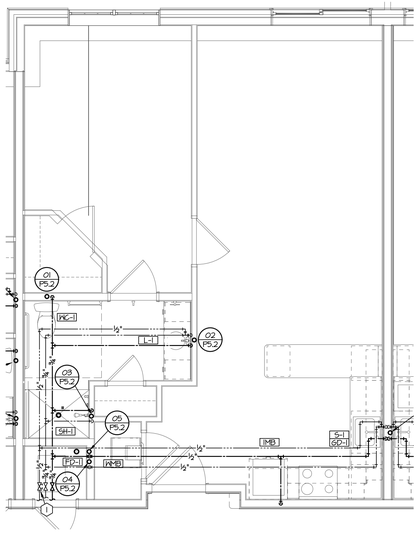


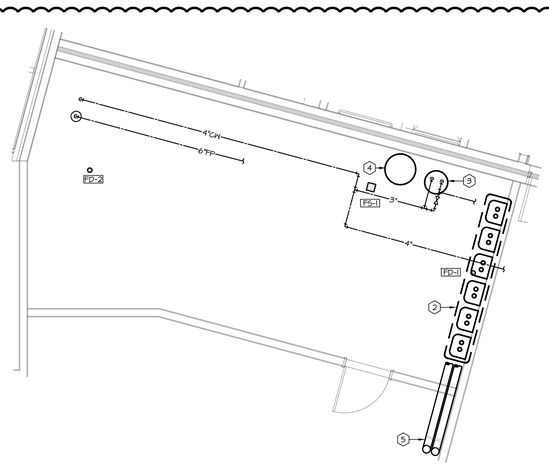
03 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



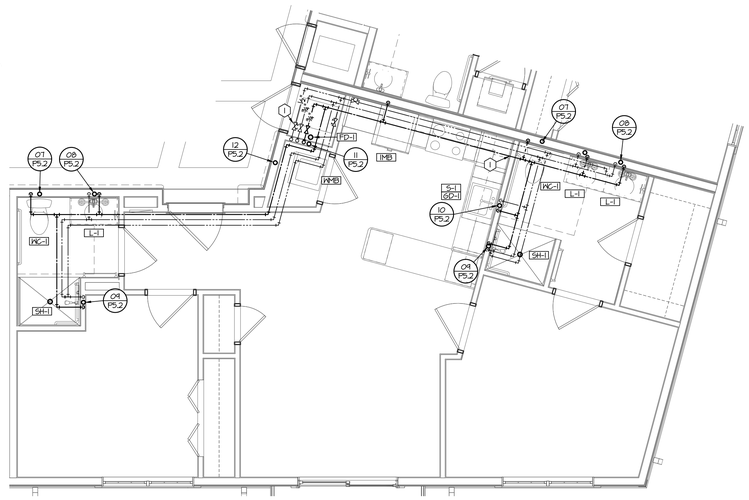
02 ENLARGED PLAN ABOVE GRADE PLUMBING - IL STUDIO
SCALE: 1/4" = 1'-0"



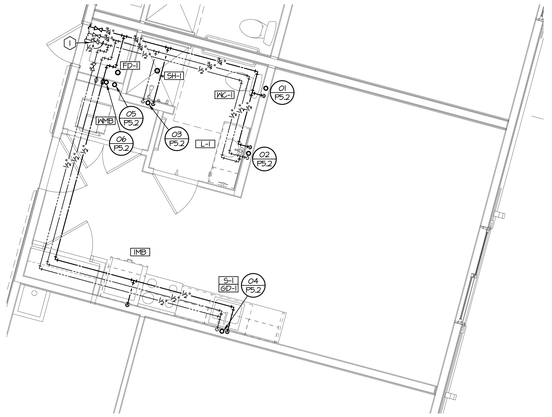
01 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 1 BEDROOM
SCALE: 1/4" = 1'-0"



06 ENLARGED PLAN ABOVE GRADE PLUMBING - IL BUILDING SERVICES
SCALE: 1/4" = 1'-0"



05 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



04 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 1 STUDIO
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.

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STATE OF MISSOURI
CASEY JOHN STEINER
NUMBER
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PROFESSIONAL ENGINEER

8/10/19

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ABOVE GRADE
PLUMBING
INDEPENDENT LIVING

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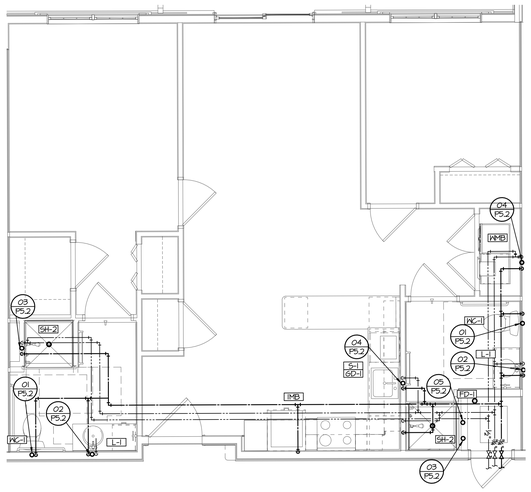
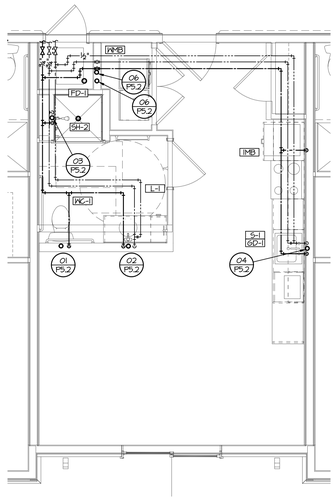


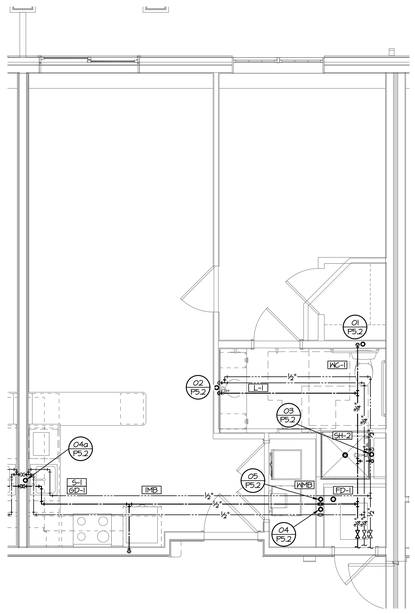
03 ENLARGED PLAN ABOVE GRADE PLUMBING - IL 2 BEDROOM ADA

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.

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CASEY JOHN STEINER
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8/10/19

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2

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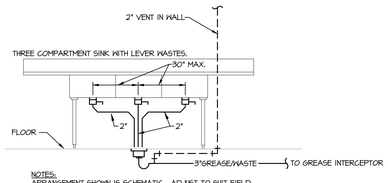
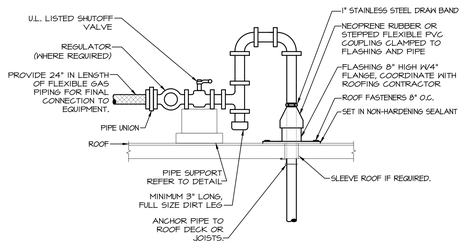


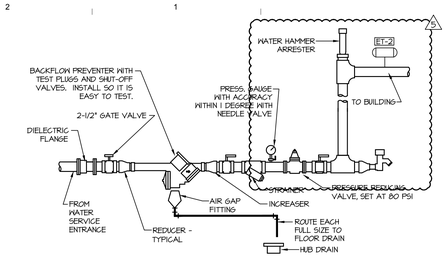
NOTES:
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. INSTALLATION FOR NON-FOOD PREP SINKS SHALL CONFORM TO UPC 1001.2.

09 THREE COMPARTMENT SINK PIPING DETAILS
Scale: Not to Scale



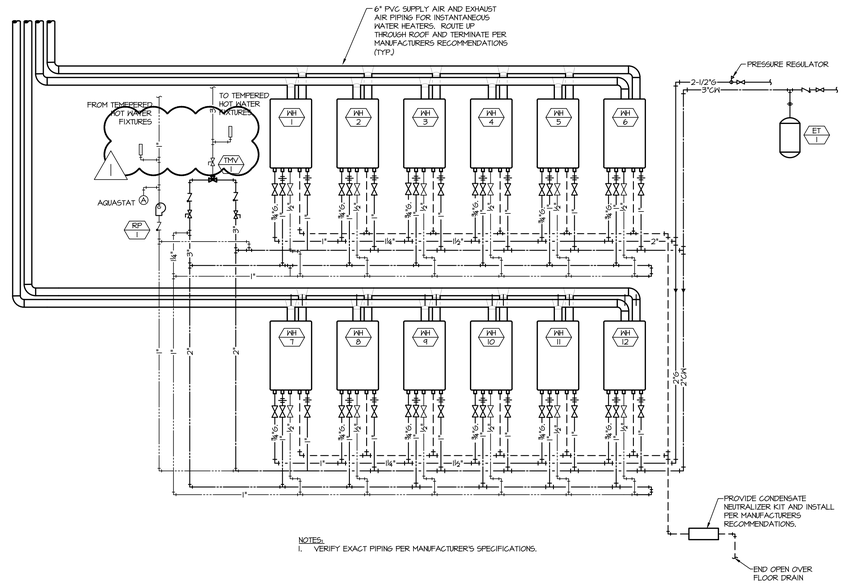
NOTES:
REFER TO PLAN FOR PIPE SIZE(S) AND LOCATION(S). USE WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE. LOCATE PENETRATION MINIMUM 18" FROM ADJACENT WALLS.

05 GAS PIPING THROUGH ROOF DETAIL
Scale: Not to Scale



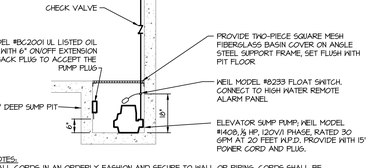
PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER OF TYPE AND MANUFACTURER AS APPROVED BY LOCAL AUTHORITIES. INSTALL BFP IN HORIZONTAL UPRIGHT POSITION, UNLESS NOTED OTHERWISE. STRAINER AND REDUCING VALVES MAY BE INSTALLED IN VERTICAL PIPE IF SPACE LIMITATIONS REQUIRE. CLEAN STRAINER BEFORE TURNING BUILDING 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

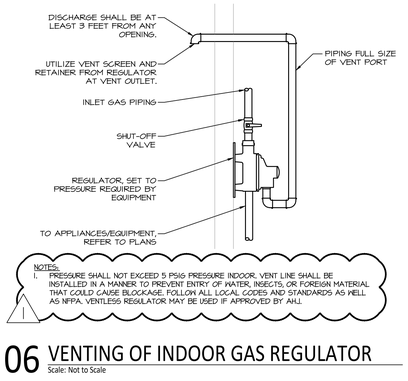


NOTES:
1. VERIFY EXACT PIPING PER MANUFACTURER'S SPECIFICATIONS.

10 INSTANTANEOUS WATER HEATER DETAIL
Scale: Not to Scale

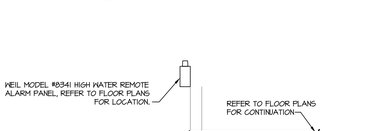


02 ROOF HYDRANT
SCALE:NONE



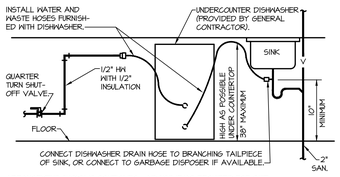
NOTES:
1. PRESSURE SHALL NOT EXCEED 5 PSIG PRESSURE INDOOR. VENT LINE SHALL BE INSTALLED IN A MANNER TO PREVENT ENTRY OF WATER, INSECTS, OR FOREIGN MATERIAL THAT COULD CAUSE BLOCKAGE. FOLLOW ALL LOCAL CODES AND STANDARDS AS WELL AS NFPA. VENTLESS REGULATOR MAY BE USED IF APPROVED BY AHJ.

06 VENTING OF INDOOR GAS REGULATOR
Scale: Not to Scale



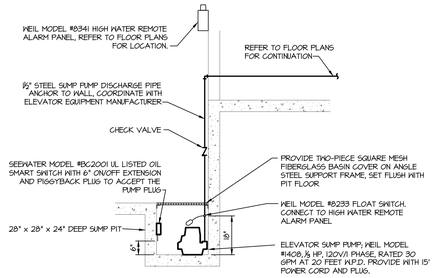
PIPE SHALL HAVE LONG RADIUS TURNS WITHOUT KINKS. THERE SHALL BE NO CONTACT OF COPPER TUBE WITH OTHER PIPE, CONDUIT, OR REINFORCING STEEL. DO NOT USE FLARED OR COMPRESSION JOINTS BELOW SLAB. USE WROUGHT COPPER FITTINGS WITH BRAZED JOINTS ONLY WHEN JOINTS ARE UNAVOIDABLE.

03 WATER PIPE UNDER SLAB
SCALE:NONE



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST IF/AS REQUIRED FOR SITE. PROVIDE CONNECTIONS AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

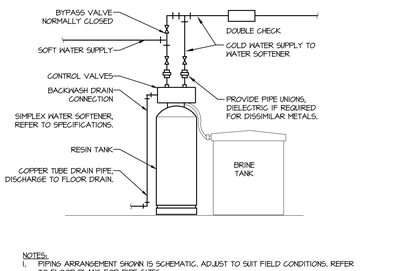
07 RESIDENTIAL DISHWASHER CONNECTION
SCALE:NONE



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.

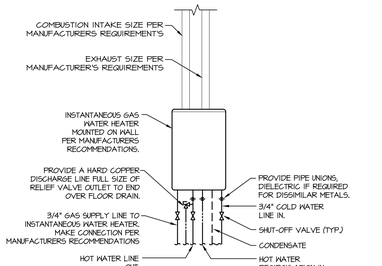
SEQUENCE OF OPERATION:
1. THE OIL SMART SWITCH SHALL OPERATE THE PUMP AUTOMATICALLY BY TWO INDEPENDENT SENSING POINTS, ONE FOR PUMP ON AND ONE FOR PUMP OFF. THE OIL SMART SWITCH SHALL SHALL DIFFERENTIATE BETWEEN OIL AND WATER. IF OIL IS SENSED BY THE PUMP ON PROBE THE PUMP WILL NOT OPERATE UNTIL THE 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

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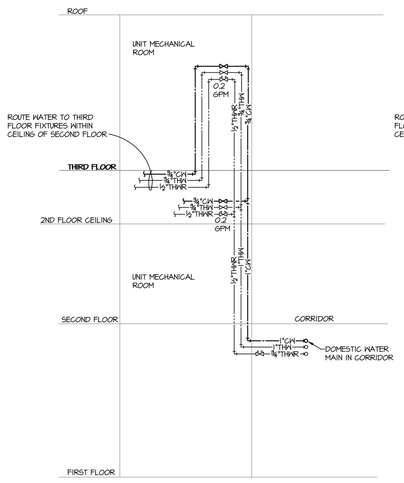
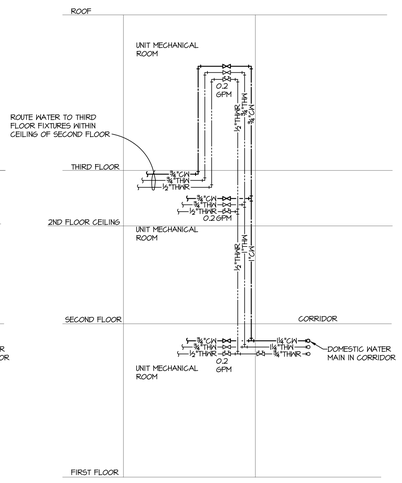


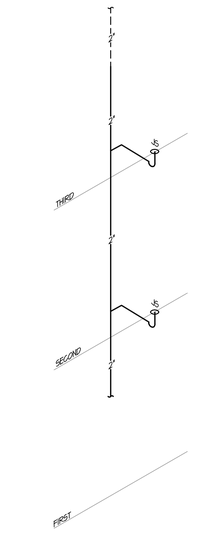
15 DOMESTIC WATER RISER DIAGRAM DWR-02
SCALE: NONE

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.

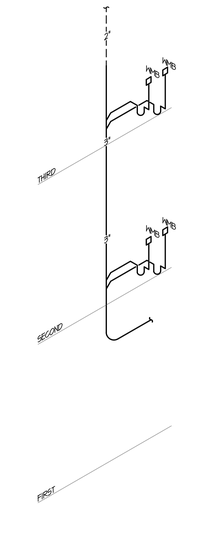


14 DOMESTIC WATER RISER DIAGRAM DWR-01
SCALE: NONE

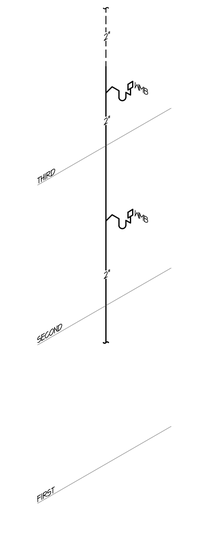
NOTE: PLUMBING CONTRACTOR SHALL INSTALL 6" SPACER, PROVIDED BY WATER SUB-METERING COMPANY, AT AN ACCESSIBLE LOCATION DOWNSTREAM OF MAIN DOMESTIC WATER SHUT-OFF IN EACH DWELLING UNIT. SUB-METER AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY OTHERS.



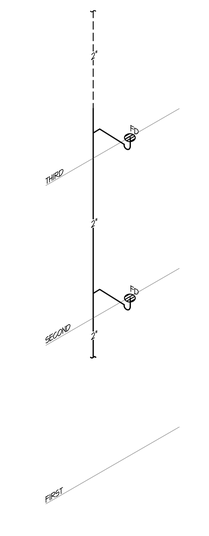
16 DWV Riser #16
SCALE: NONE



13 DWV Riser #13
SCALE: NONE



12 DWV Riser #12
SCALE: NONE



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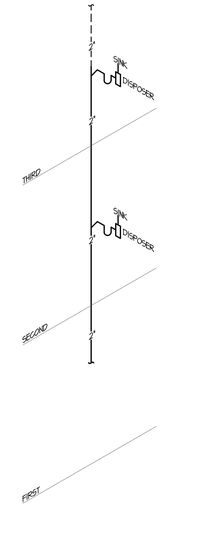
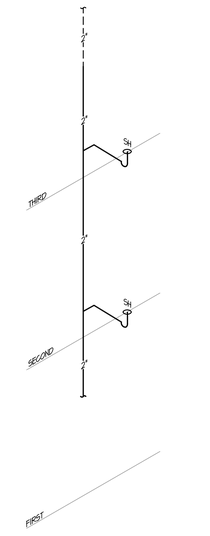
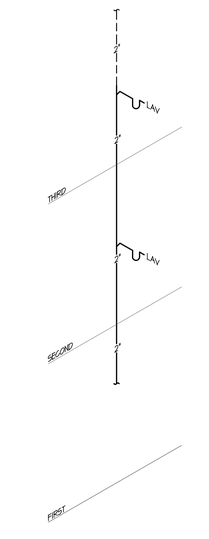


10 DWV Riser #10
SCALE: NONE



09 DWV Riser #09
SCALE: NONE



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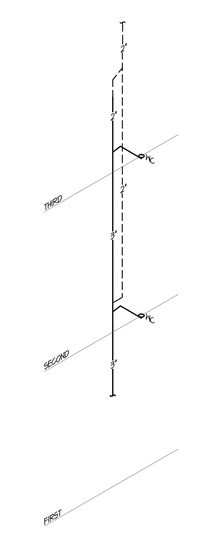

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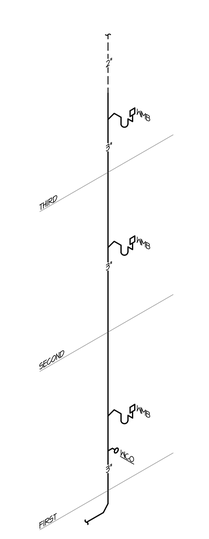

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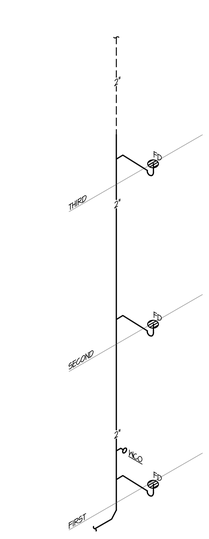

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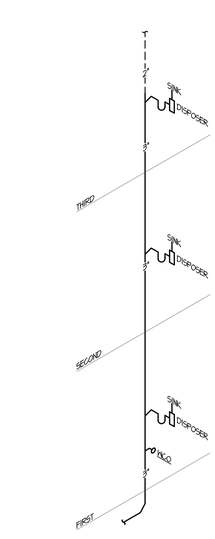

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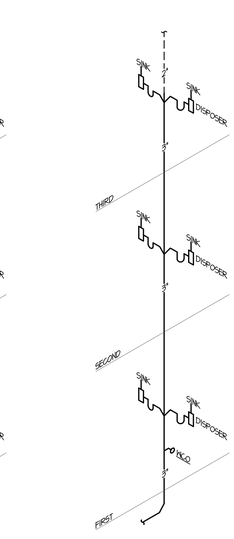

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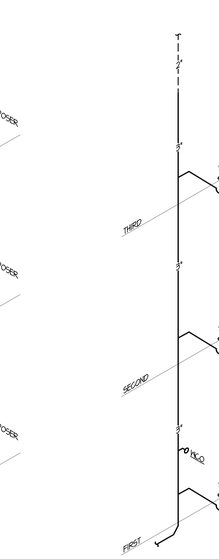

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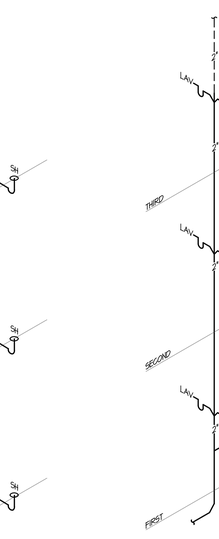

02a DWV Riser #02a
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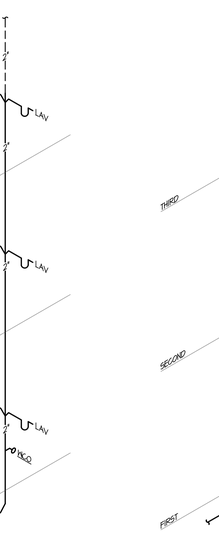

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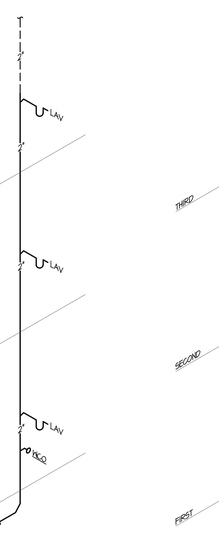

01 DWV Riser #01
SCALE: NONE

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ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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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

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 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

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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 CRANE TOTO	CADET PRO 2153AA.104	ELONGATED BEMIS 1200SLONT 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-4, LAVATORY VALVE TMV-2~~					
L-2	LAVATORY	MANSFIELD	2040	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	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 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 5/5 BUMPERGUARDS 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	4251R	1.5 GPM, BRUSHED NICKEL FINISH CUP STRAINER DRAIN 1-HOLE	1/2"	1/2"	--	--	
F-3	JANITOR'S SINK FAUCET	AMERICAN STANDARD FIAT DELTA	8344.112 830-AA 2878-AC	VACUUM BREAKER, WALL BRACE, PAIL HOOK, 30" HOSE WITH WALL GRIP, MOP HANGER, CHECK STOP OPTION	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	CS4836BBST	WHITE GELCOAT FLAT PANEL GRAB BARS, 24" SLIDE, 2" COLLAPSIBLE DAM, SHOWER VALVE: SV-1	--	--	1-1/2"	2"	5
~~SH-2~~	~~36" SHOWER UNIT~~	~~AQUATIC~~	~~1363BFSD~~	~~WHITE GELCOAT FLAT PANEL GRAB BARS, SOAP DISH, 24" SLIDE 2" COLLAPSIBLE DAM, SHOWER VALVE: SV-1~~					
SV-1	ADA SINGLE LEVER PRESSURE BALANCE SHOWER FAUCET	MOEN	62370	BRUSHED NICKEL T2801 VALVE TRIM, A725 DROP ELL, 3868 HANDSHOWER W/ SLIDE	1/2"	1/2"	--	--	5
HB-1	NON-FREEZE WALL HYDRANT	WOODFORD WADE SMITH	MODEL 65 8600 5609QT	VACUUM BREAKER LOOSE CONTROL KEY WALL CLAMP	1/2"	--	--	--	6
HB-2	ROUGH BRASS HOSE BIBB	WOODFORD CHICAGO	MODEL 24 998	VACUUM BREAKER DRAIN PLUG	1/2"	--	--	--	
RH-1	FREEZELESS ROOF HYDRANT NO DRAIN	FREEZE FLOW	2131R		1"	--	1/8"	--	
FD-1	7" ROUND FLOOR DRAIN	WADE ZURN SMITH	1100STD Z-415 2005	NICKEL BRONZE STRAINER TRAP GUARD, DEEP SEAL TRAP	--	--	--	--	4,7
FS-1	12" SQUARE FLOOR DRAIN	WADE ZURN SMITH	W-2310-2T Z-546-Y-6T 2410	CAST IRON 12" X 12" FLOOR DRAIN WITH DUCTILE IRON GRATE ALUMINUM SEDIMENT BUCKET					4,7
FS-2	8" SQUARE FLOOR SINK	WADE ZURN SMITH	9110 Z-1910 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 ZURN 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-1150-2	12X12X6 DEEP, STAINLESS STEEL 1/2 GRATE	--	--	--	--	4,7
TMV-1	THERMOSTATIC MIXING VALVE	POWERS ARMSTRONG LEONARD	LF1520FOGLP DMC 50 FLEX	81-158F THERMOMETER CONTROL LOCKING DEVICE 10 GPM MIN, 125 GPM MAX. FLOW	SEE PLAN		--	--	4
ET-1	EXPANSION TANK	AMTROL TACO	THERM-X-TROL-ST-12	WATER HEATER	--	3/4"	--	--	
ET-2	EXPANSION TANK	AMTROL TACO	THERM-X-TROL-ST-25	WATER SERVICE	--	3/4"	--	--	
DF-1	WALL HUNG BI-LEVEL WATER COOLER	ELKAY HALSEY-TAYLOR HAWS	EZTL8C HACBFBL-Q HWACPBL	--	1/2"	--	2"	1-1/2"	3,5
RP-1	RECIRCULATION PUMP	B&G TACO	PL-36 2420	0.16 HP, 120V STRAP-ON AQUASTAT 13 GPM, 40' HEAD	--	--	--	--	4
GD-1	GARBAGE DISPOSAL	INSINKERATOR	BADGER 5	1/2 HP, 120V	--	--	--	--	
WMB	WASHING MACHINE CONNECTION BOX	GUY GRAY	B200 FR12DPCP FIRE	WASHING MACHINE CONNECTION BOX	1/2"	1/2"	2"	1-1/2"	8
IMB	ICE MAKER CONNECTION BOX	GUY GRAY	BIMB75 FRIB12ADBS FIRE	GALVANIZED STEEL BOX	1/2"	--	--	--	8
RD-1	CAST IRON ROOF DRAIN WITH CAST IRON DOME	WADE ZURN SMITH	W-3000 ZC-100 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 ZURN SMITH	W-3000-SD ZC-100-HZ 1070-CID	ROOF DRAIN WITH FLANGE, FLASHING RING, GRAVEL STOP AND CAST IRON DOME, 2" DAM	--	--	--	--	
SP-1	ELEVATOR SUMP PUMP	WEIL	1413	1 HP, 120V/1 PHASE RATED 100 GPM 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.

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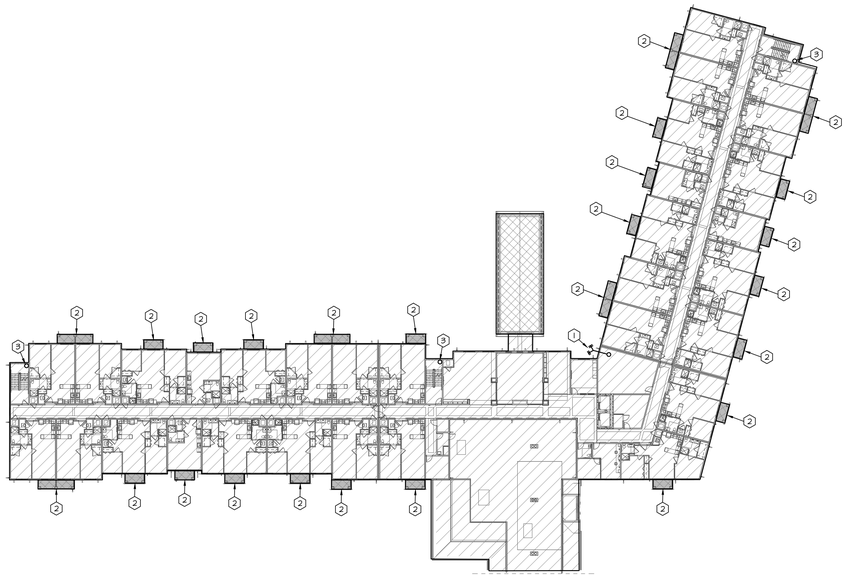
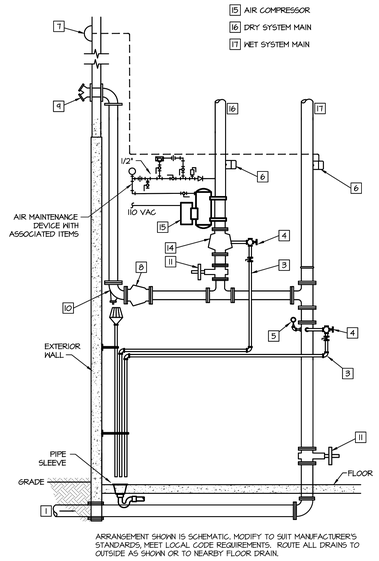


02 SECOND FLOOR PLAN - FIRE PROTECTION
SCALE: 1/32" = 1'-0"

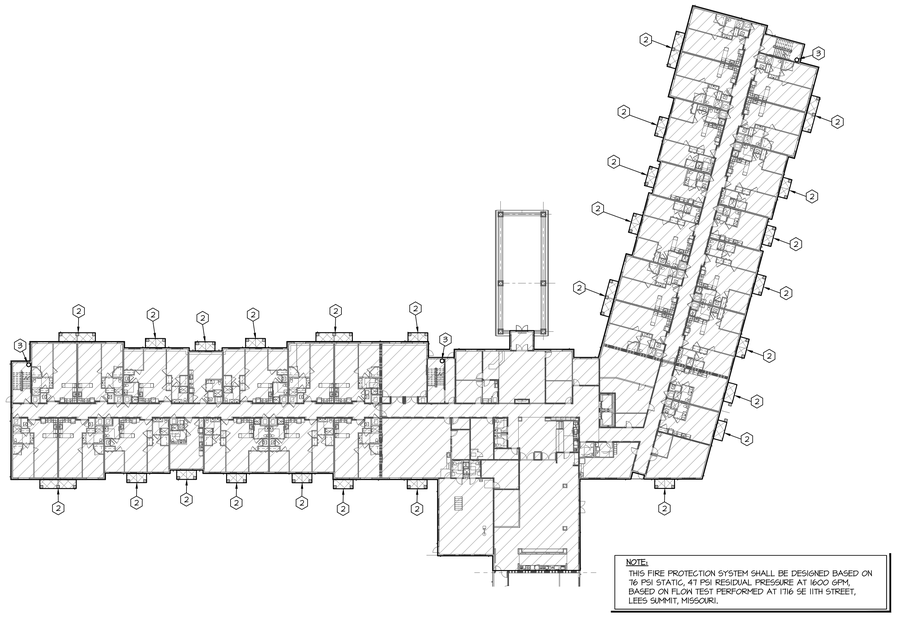
NORTH

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

FIRE PROTECTION NOTES:

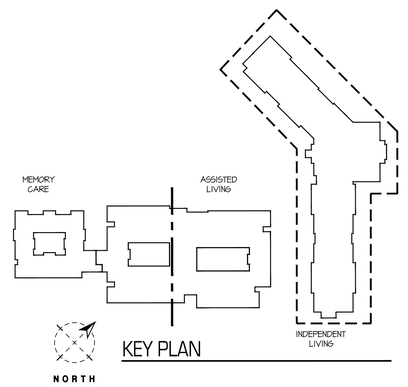
1. PROVIDE A COMPLETE AUTOMATIC SPRINKLER SYSTEM TO SERVE THE ENTIRE BUILDING.
2. PROVIDE FIRE PROTECTION SYSTEM COMPLETE, PER APPLICABLE CODES, PER NFPA, AND PER REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
3. INCLUDE ALL PIPING, OFFSETS, FITTINGS, DRAINS, VALVES, SUPPORTS, HEADS, ETC. AS REQUIRED 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.



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

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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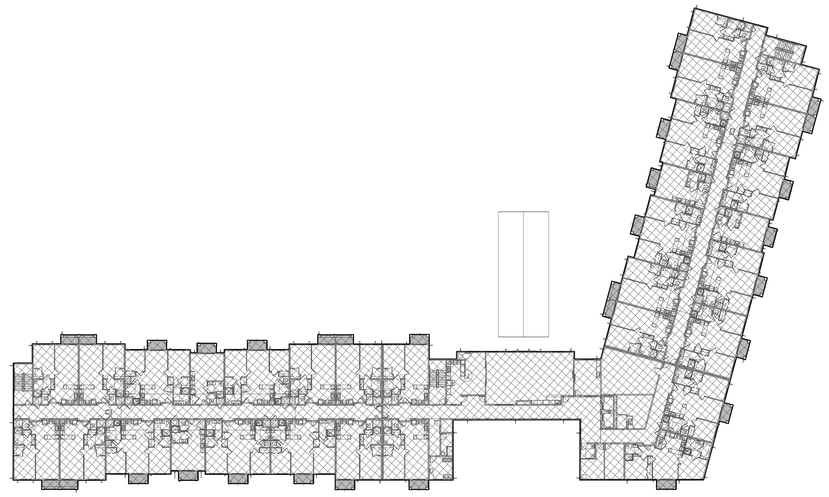
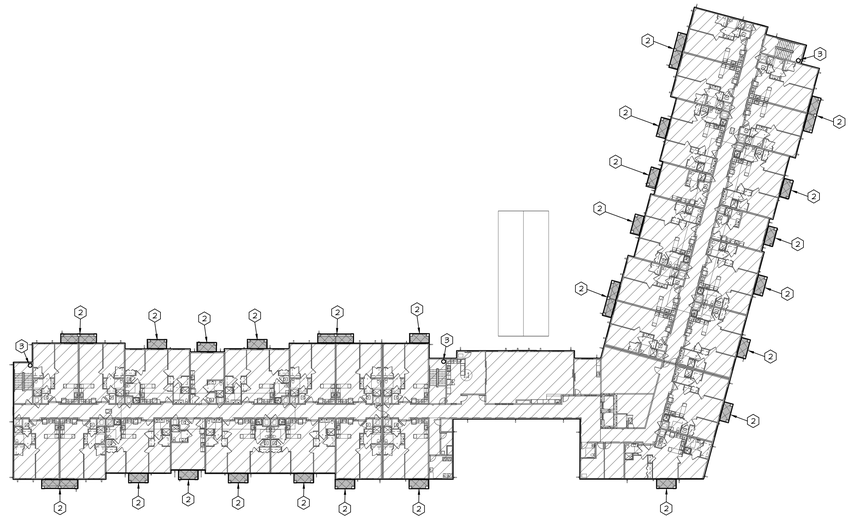


02 ATTIC - FIRE PROTECTION
SCALE: 1/32" = 1'-0"

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.
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(2) PLAN NOTES:

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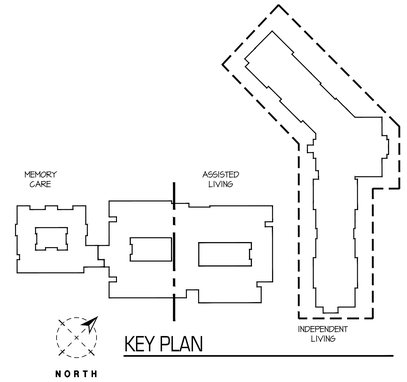
2. PROVIDE A DRY SIDEWALL HEAD TO PROTECT BALCONY.
3. FIRE PROTECTION STANDPIPE. FIRE PROTECTION CONTRACTOR SHALL COORDINATE LOCATION WITH ARCHITECT.



KEY PLAN

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EST 1935

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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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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 (MAY REPEAT ON EACH SHEET)

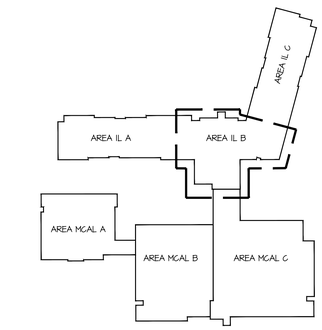
1. PROVIDE NEUTRALS TO ALL LINE VOLTAGE SWITCHES.

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.

01 1ST FLOOR AREA B - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH



NORTH

KEY PLAN

SWD ARCHITECTS
EST 1935

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

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
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E1.1

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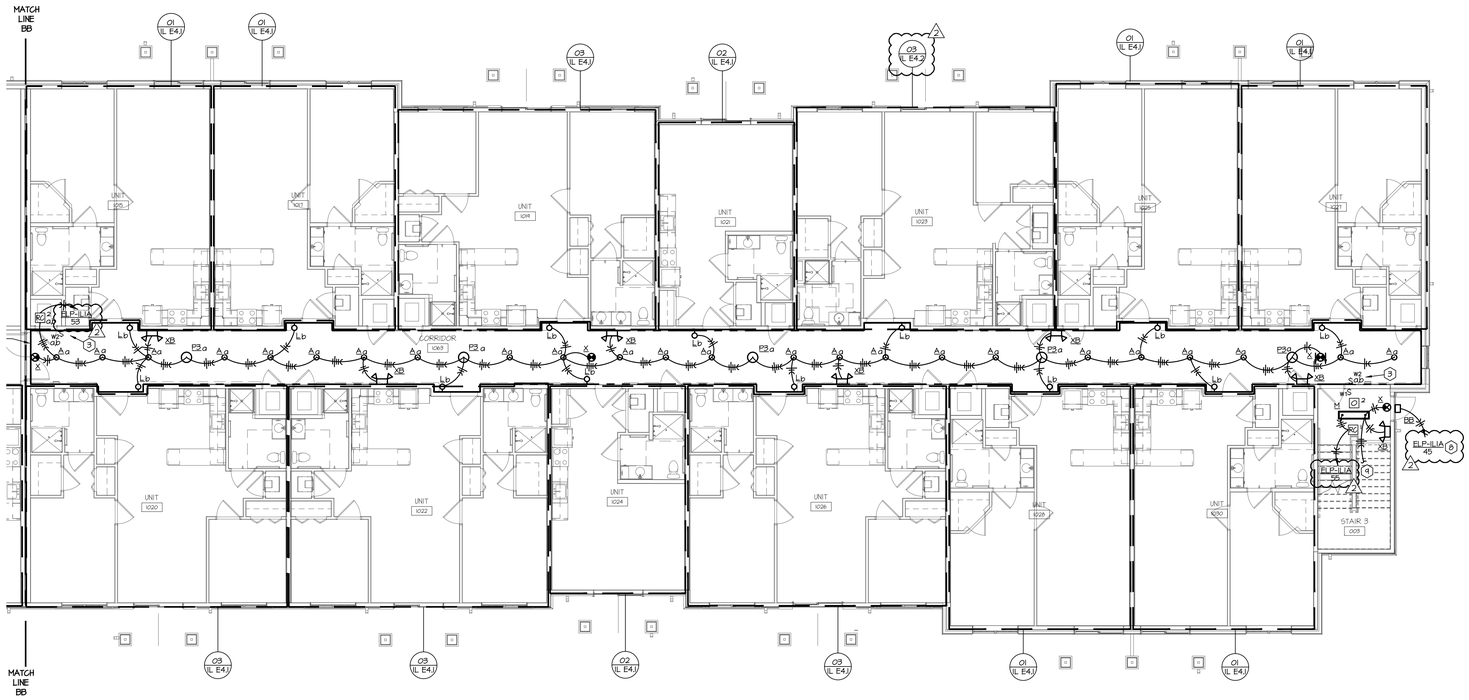
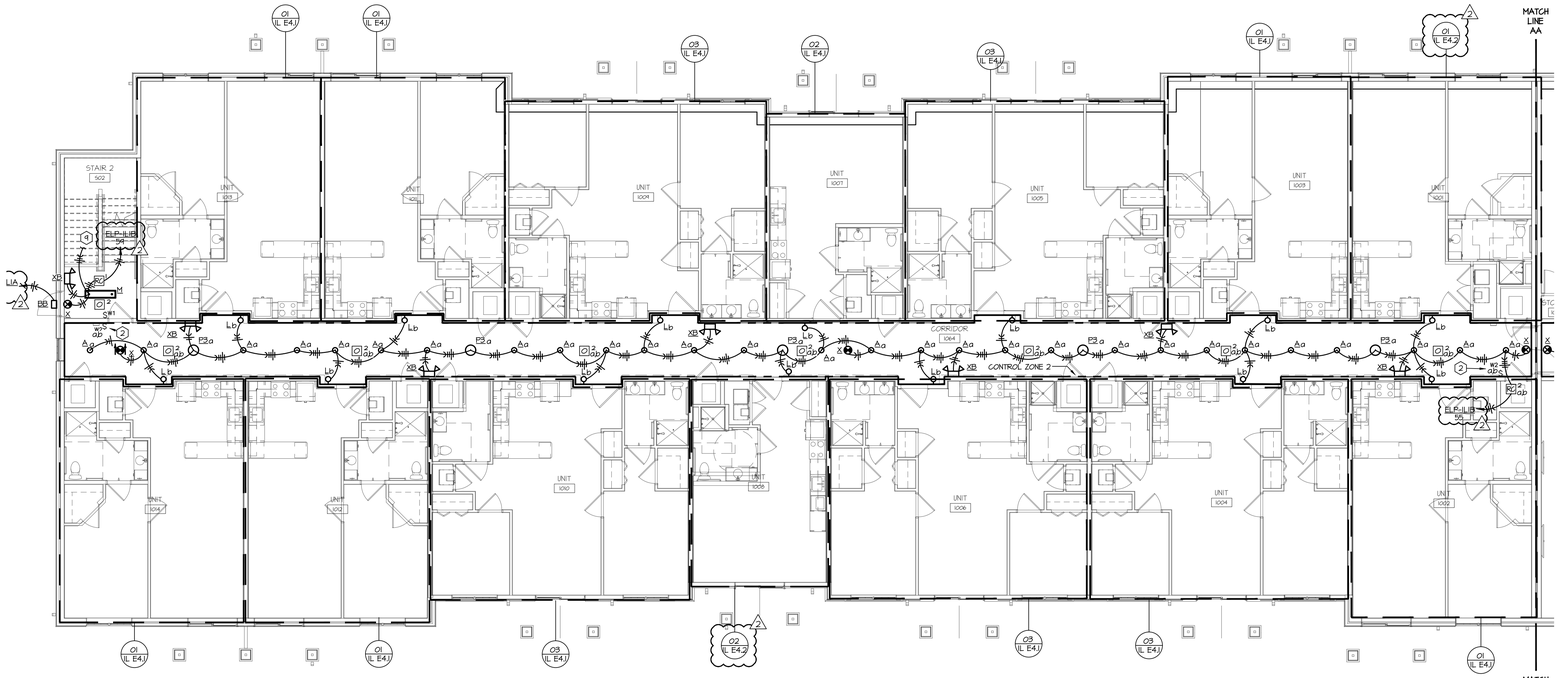


01 1ST FLOOR AREA C - LIGHTING

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

NORTH



02 1ST FLOOR AREA A - LIGHTING

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

NORTH

GENERAL NOTES:

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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 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.
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7. CIRCUIT FROM CUSTOM LIGHT FIXTURE ON LEVEL ABOVE. REFERENCE SECOND FLOOR LIGHTING PLAN FOR CONTINUATION.
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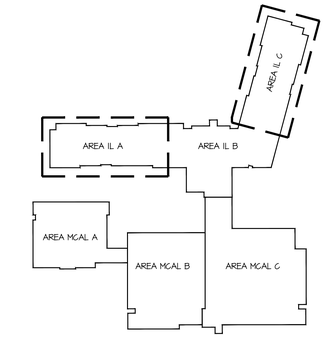

NORTH

KEY PLAN

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EST 1935

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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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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.
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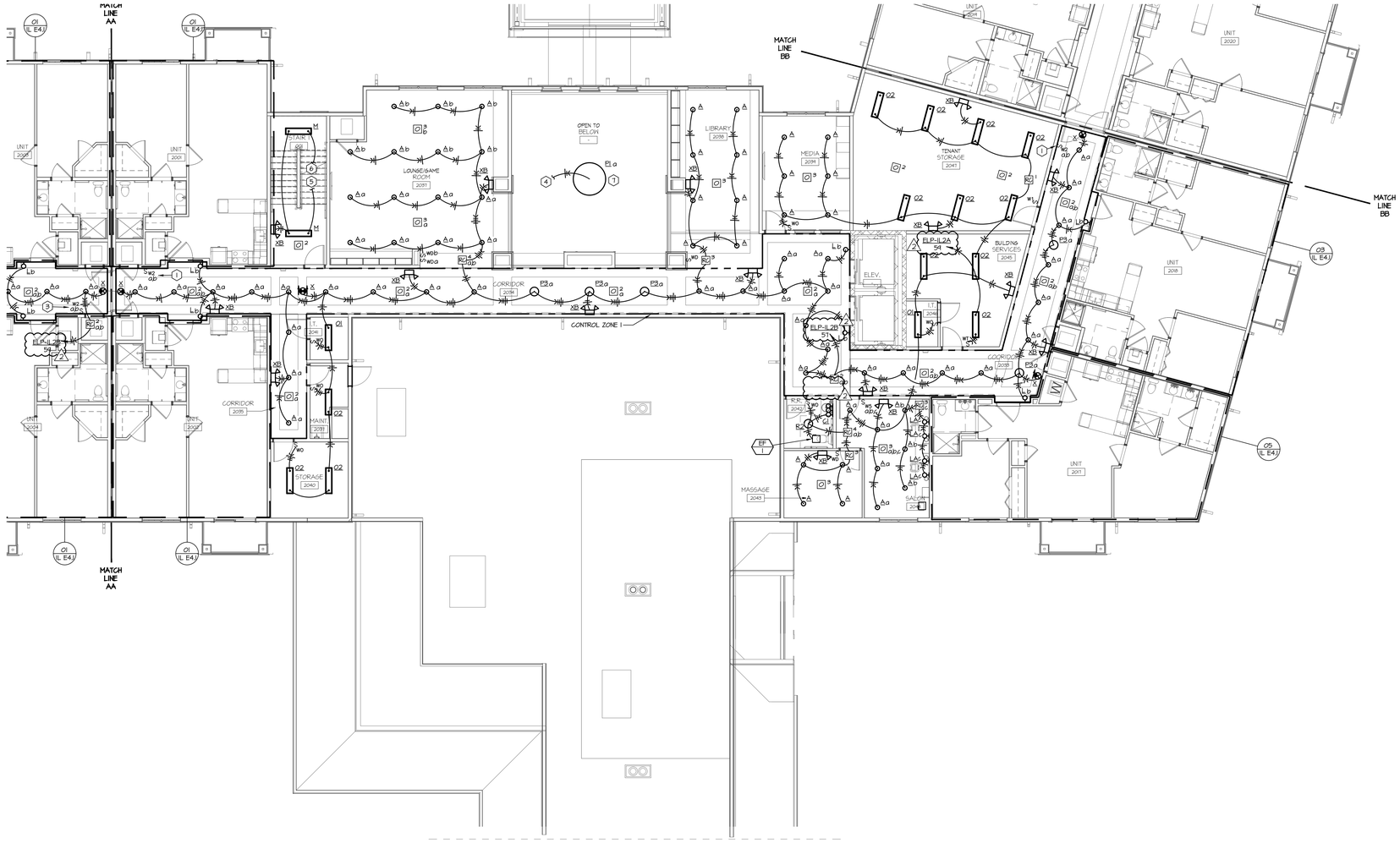
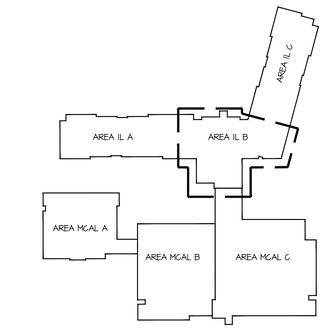


01 2ND FLOOR AREA B - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH



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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
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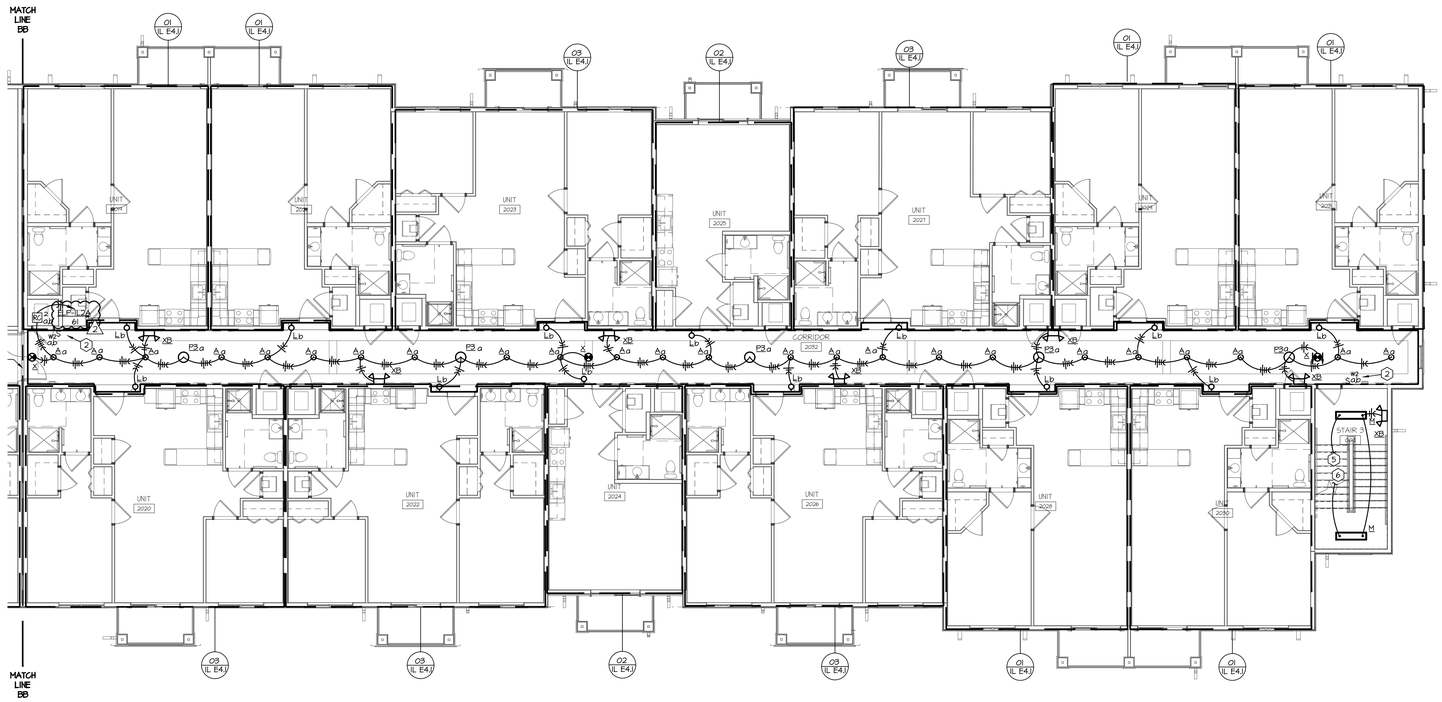
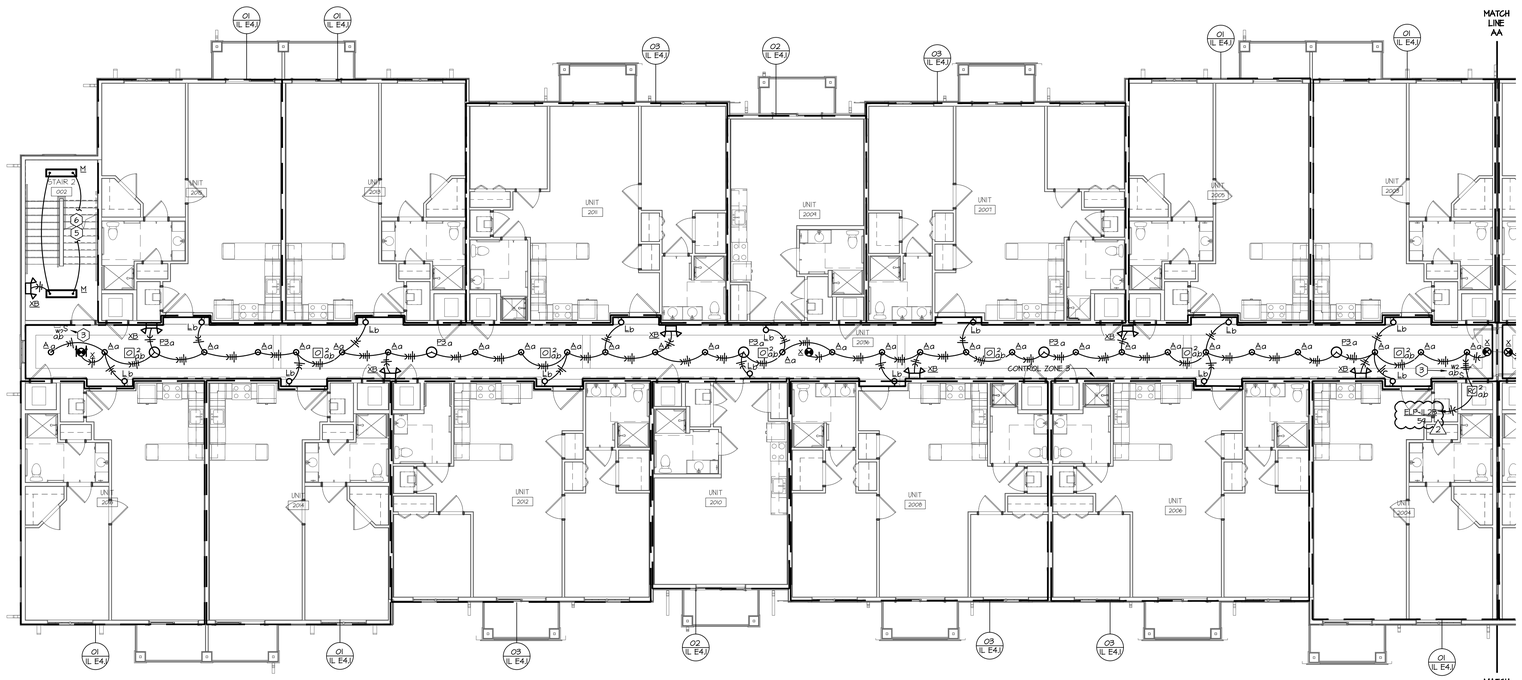


01 2ND FLOOR AREA C - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH



02 2ND FLOOR AREA A - LIGHTING
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFERENCE SHEET IL E1.1 FOR LIGHTING GENERAL NOTES.

PLAN NOTES:

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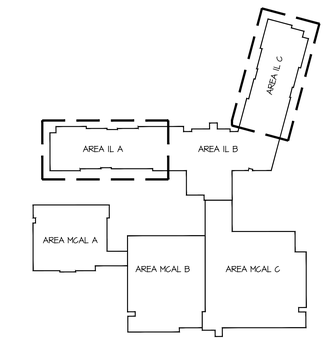
7. PROVIDE MANUAL LIFT FOR CUSTOM LIGHT FIXTURE. COORDINATE LIFT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.



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

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
LIGHTING
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
E1.4

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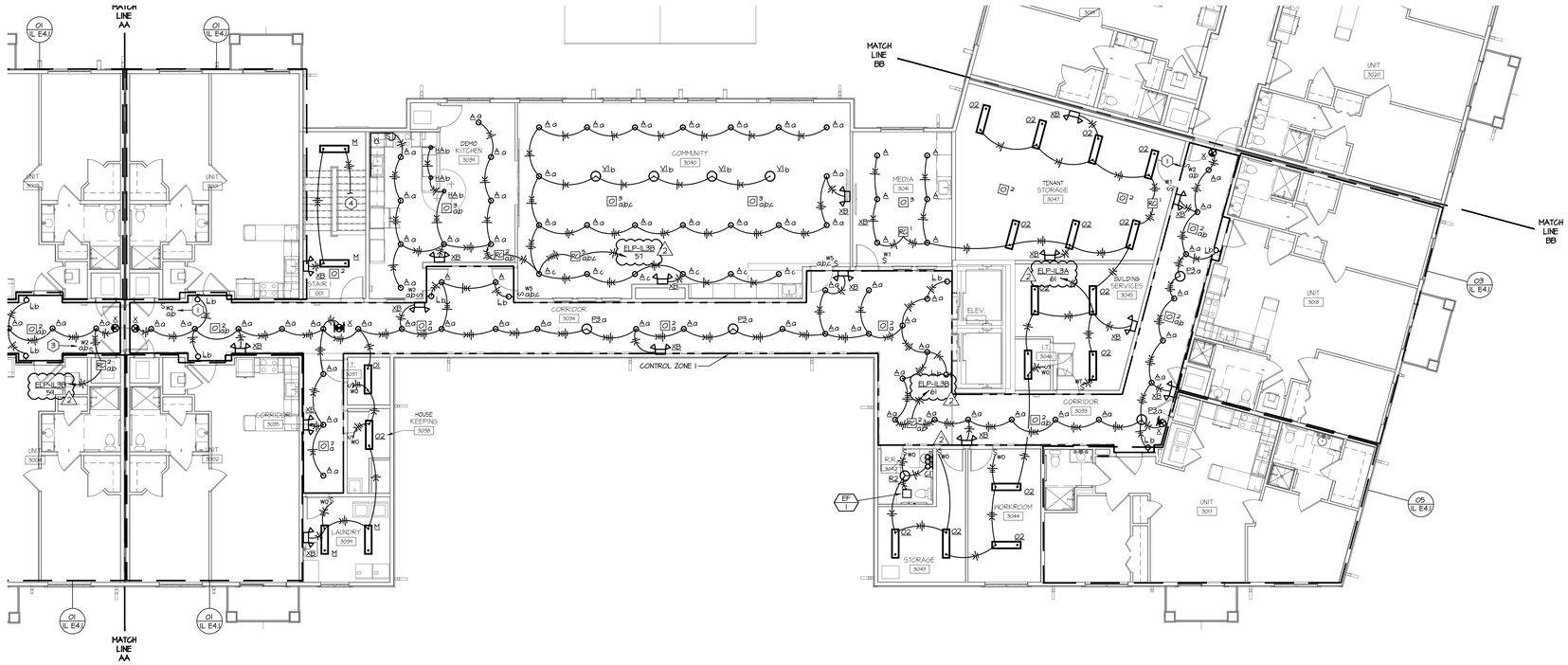
GENERAL NOTES:

A. REFERENCE SHEET IL E1.1 FOR LIGHTING GENERAL NOTES.

PLAN NOTES:

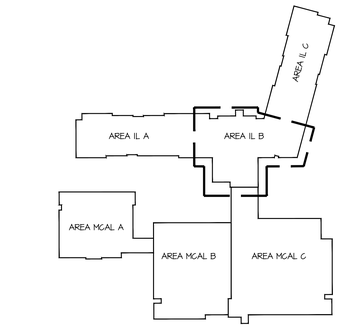
1. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 1 LIGHTING.
2. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 2 LIGHTING.
3. LOCATION OF MANUAL OVERRIDE FOR THIRD FLOOR CONTROL ZONE 3 LIGHTING.
4. EXTEND LIGHTING CIRCUIT/CONTROL WIRING TO STAIRWELL LIGHTING ON LEVEL BELOW. REFERENCE 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



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8/10/19

THIRD FLOOR
AREA B
LIGHTING
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

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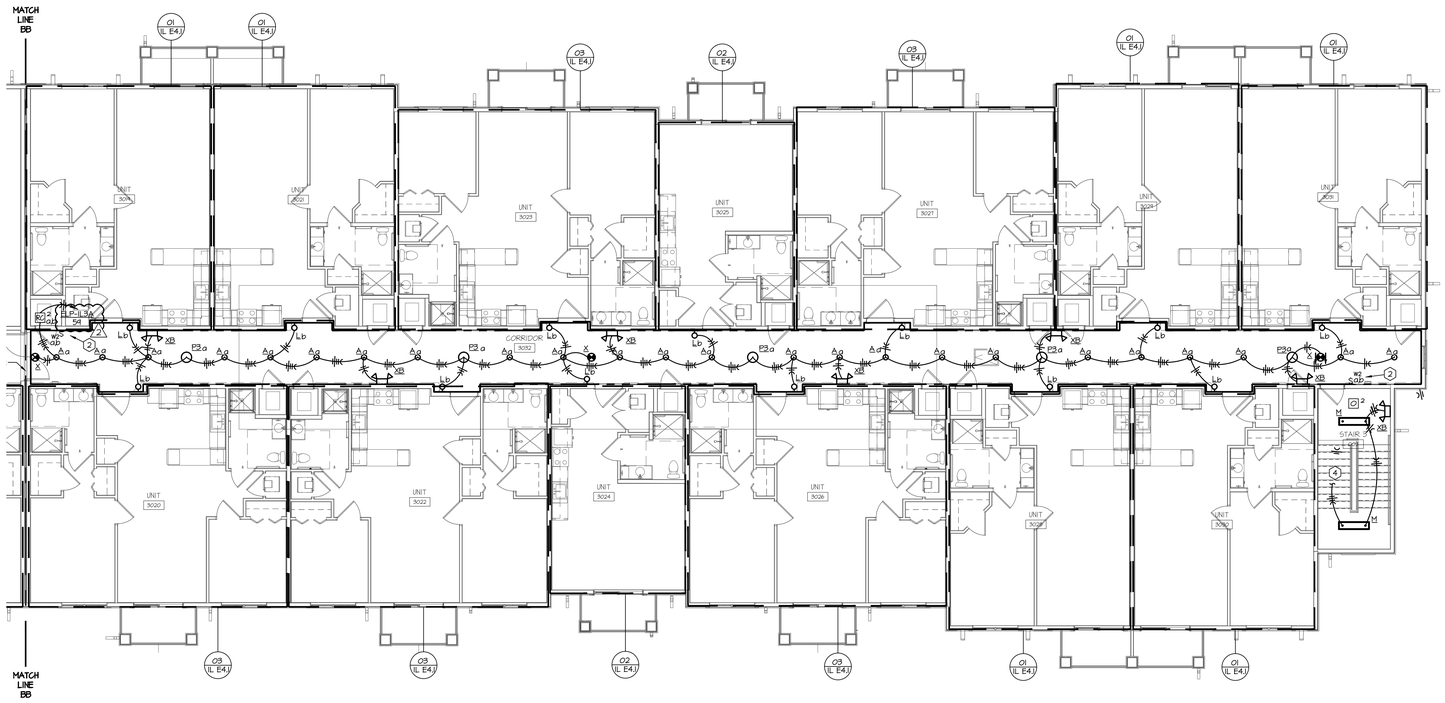
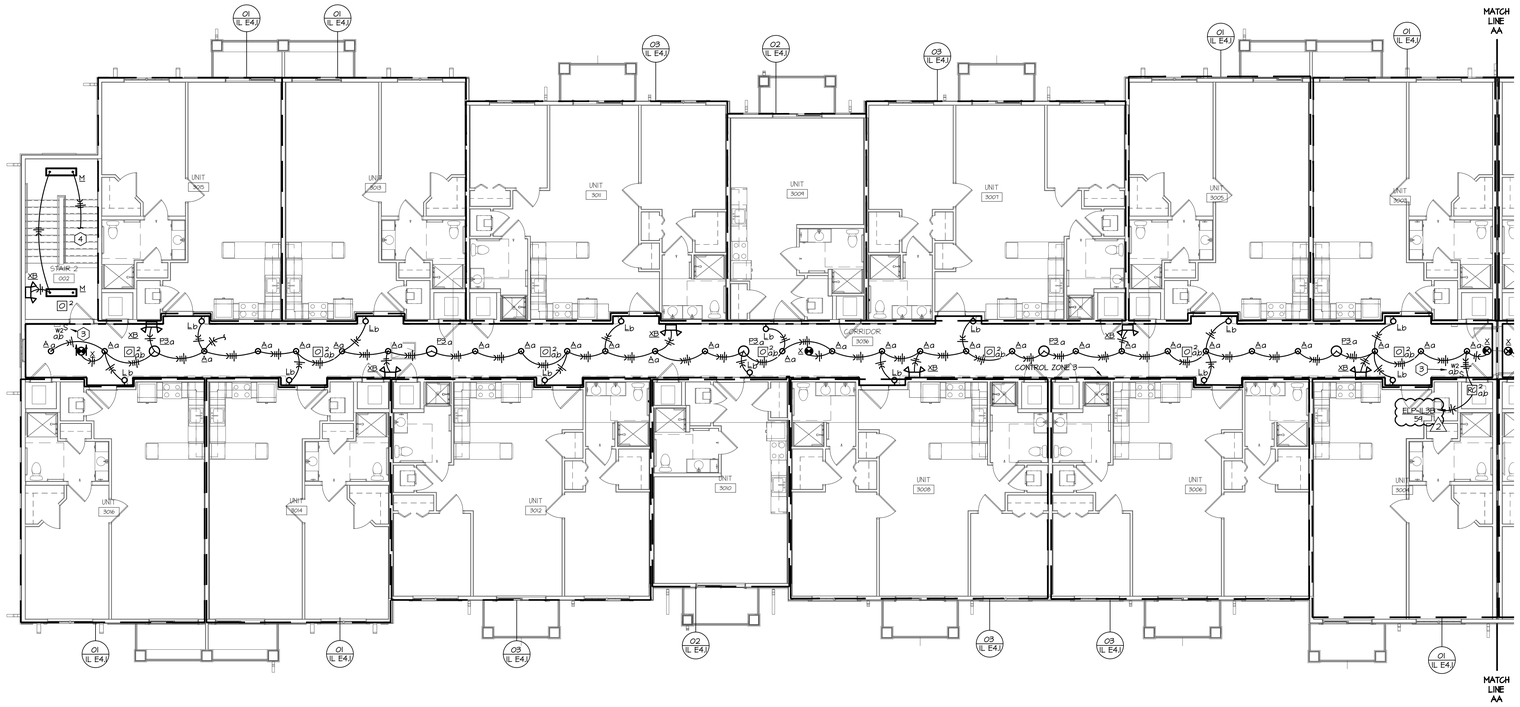


01 3RD FLOOR AREA C - LIGHTING

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

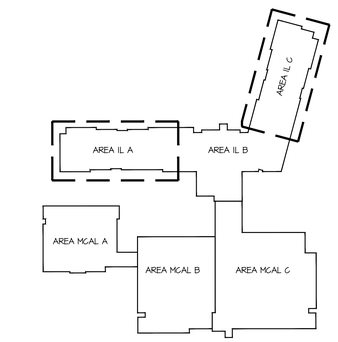
NORTH



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.
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.

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LIGHTING
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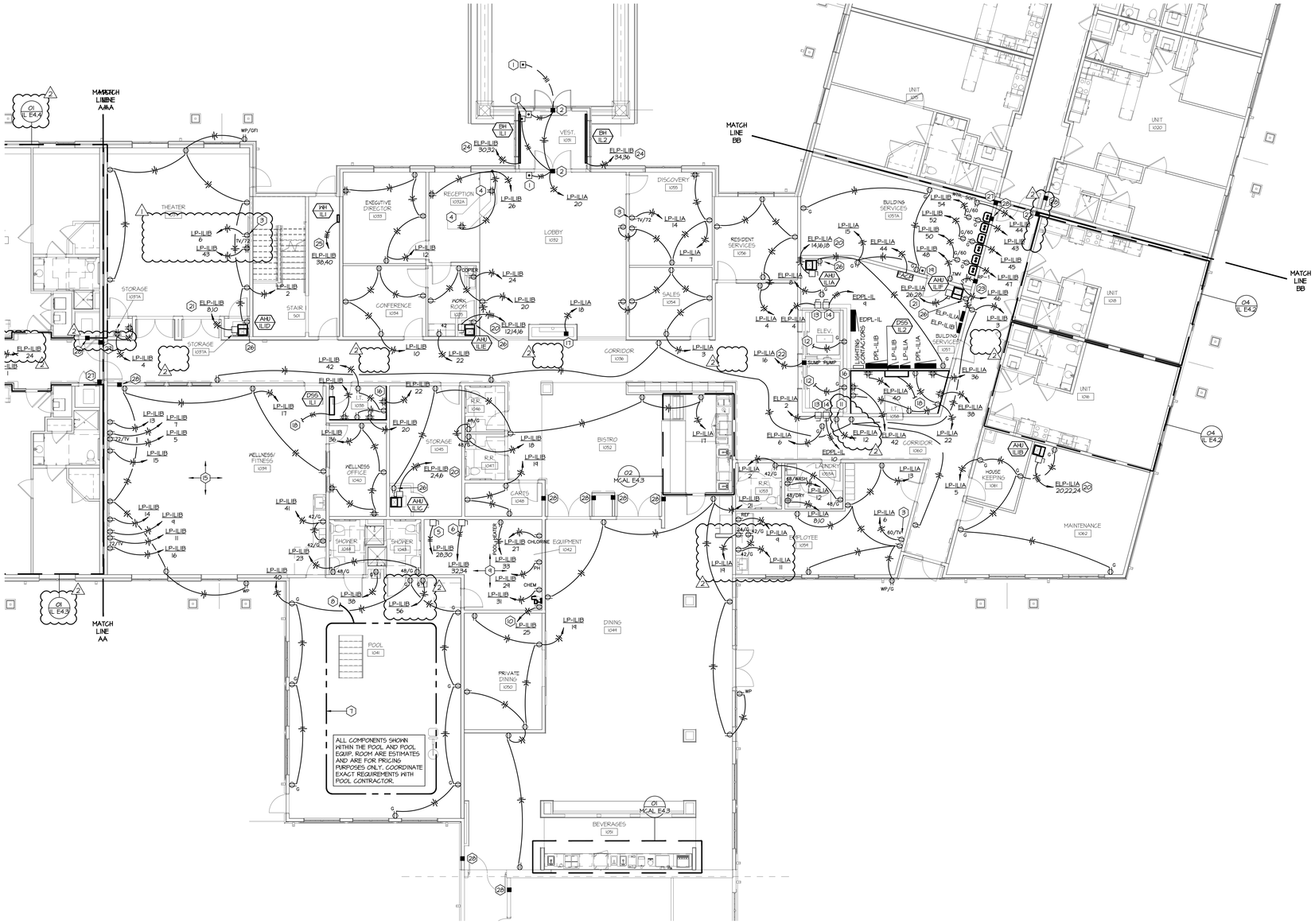
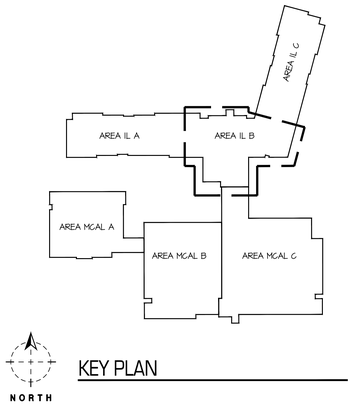


01 1ST FLOOR AREA B - POWER

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

NORTH



NORTH

KEY PLAN

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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 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 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 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 TS1 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 MISHROOM 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.

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8/10/19

FIRST FLOOR
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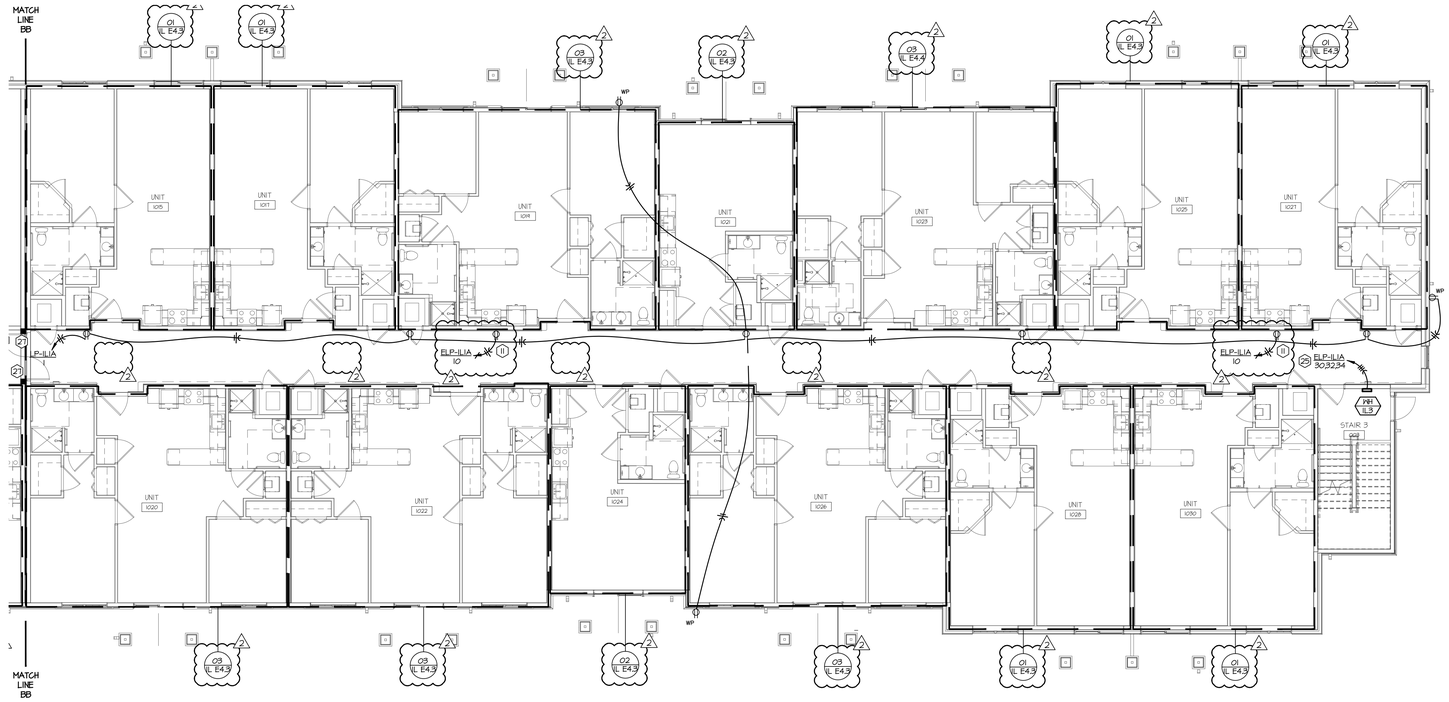
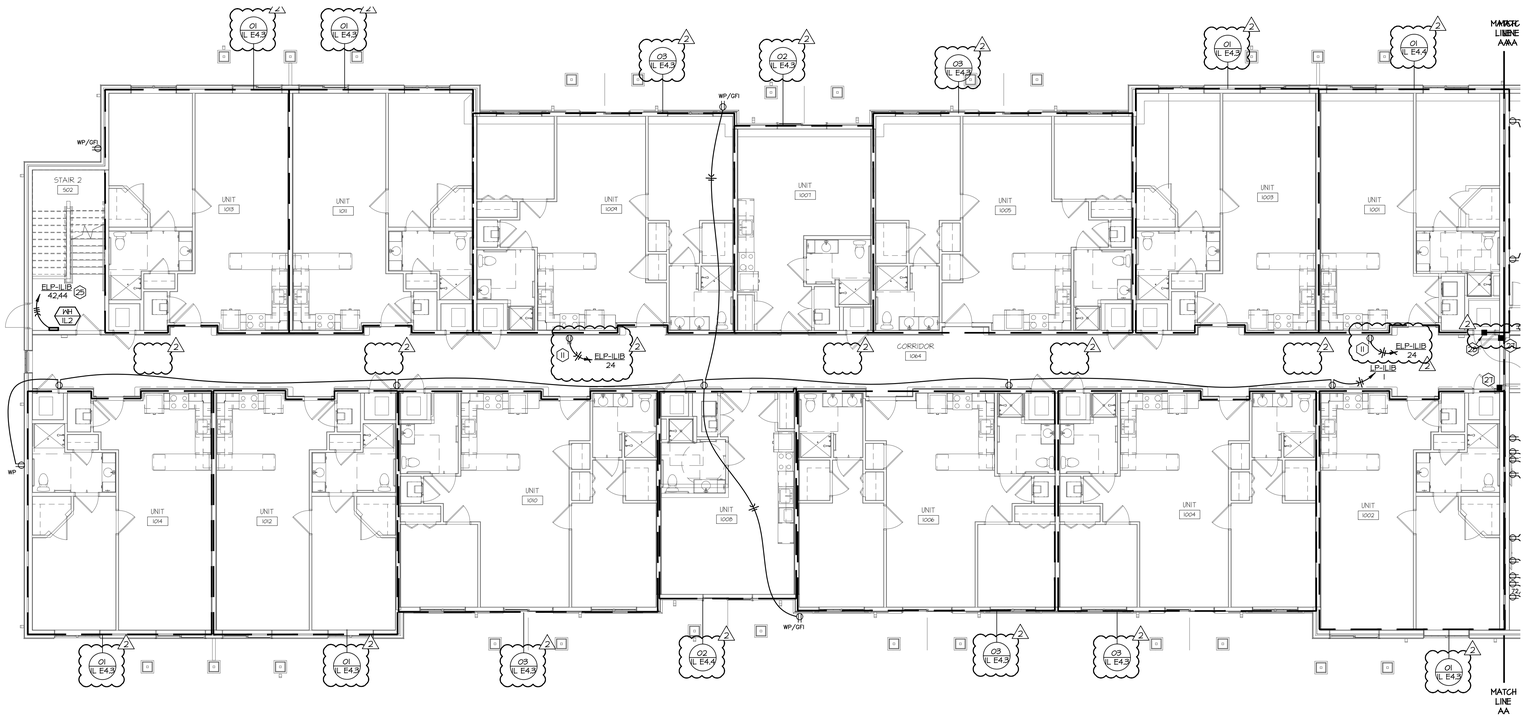


01 1ST FLOOR AREA C - POWER

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.
20. PROVIDE 60A/3P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (4)#6's #10G IN 3/4"C.
21. PROVIDE 60A/2P NEMA 1 DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#0'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.
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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.
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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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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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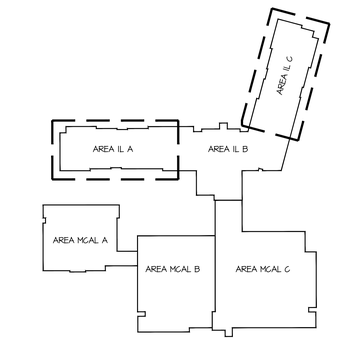
1 O. INTERLOCK OUTSIDE AIR DAMPER CONNECTED TO FURNACE/AHU. DAMPER TO OPEN WHEN UNIT IS ENERGIZED AND CLOSE WHEN UNIT IS OFF.

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.
2 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.



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

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
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
E2.2

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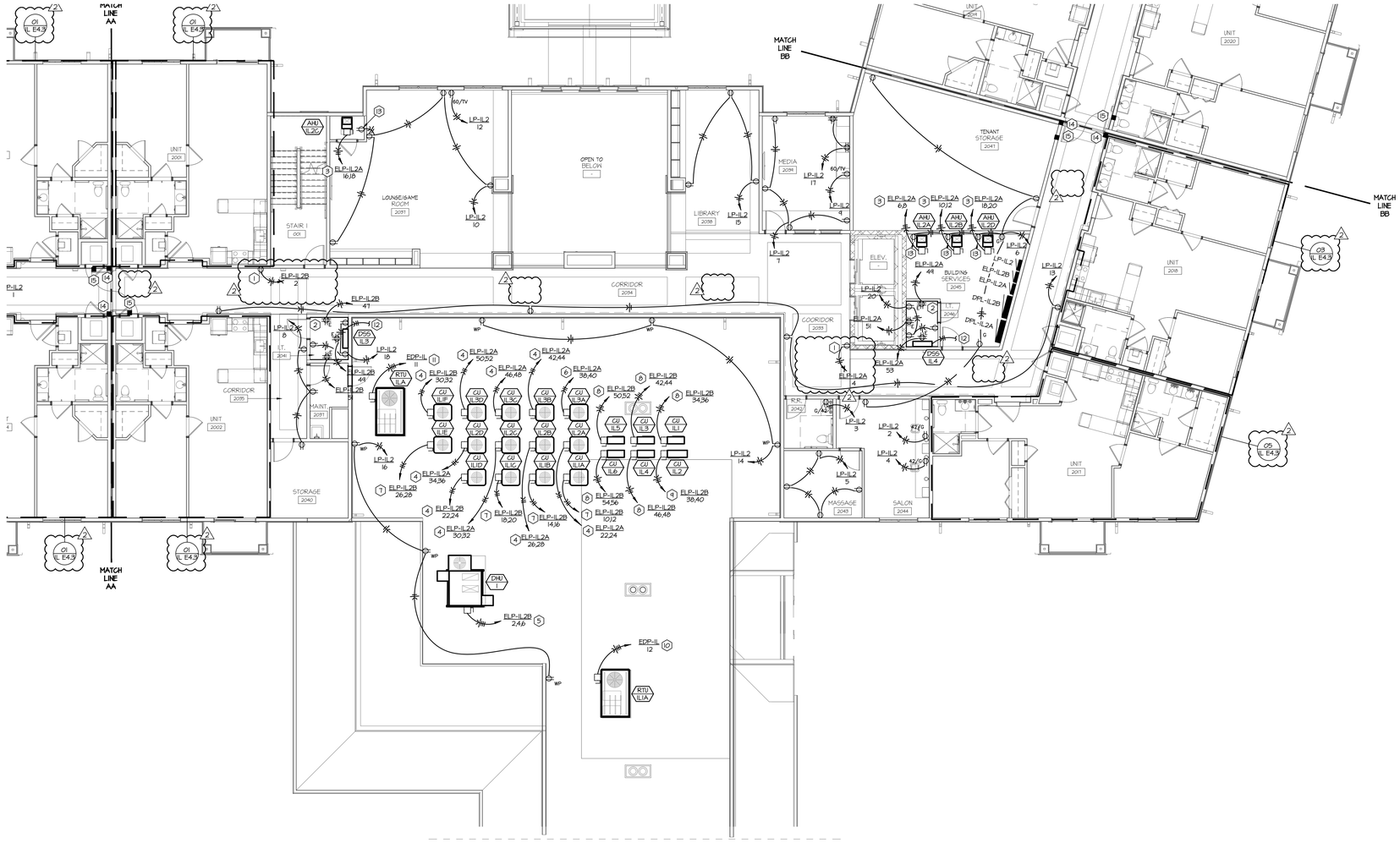

01 2ND FLOOR AREA B - POWER

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 19/32"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)#8'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)#3's &#10G IN 3/4"C.
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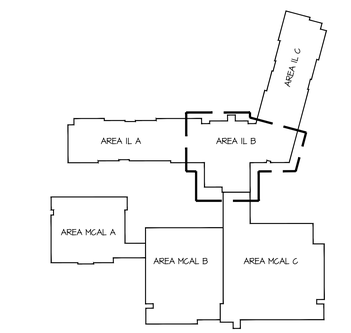
10. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#6's &#10G IN 3/4"C.
11. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (3)#4's &#10G IN 1"C.
12. INDOOR UNIT POWERED THROUGH ASSOCIATED OUTDOOR UNIT. SEE MECHANICAL SCHEDULES FOR REFERENCE.
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

SWD ARCHITECTS
EST 1935
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H&B ENGINEERS
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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

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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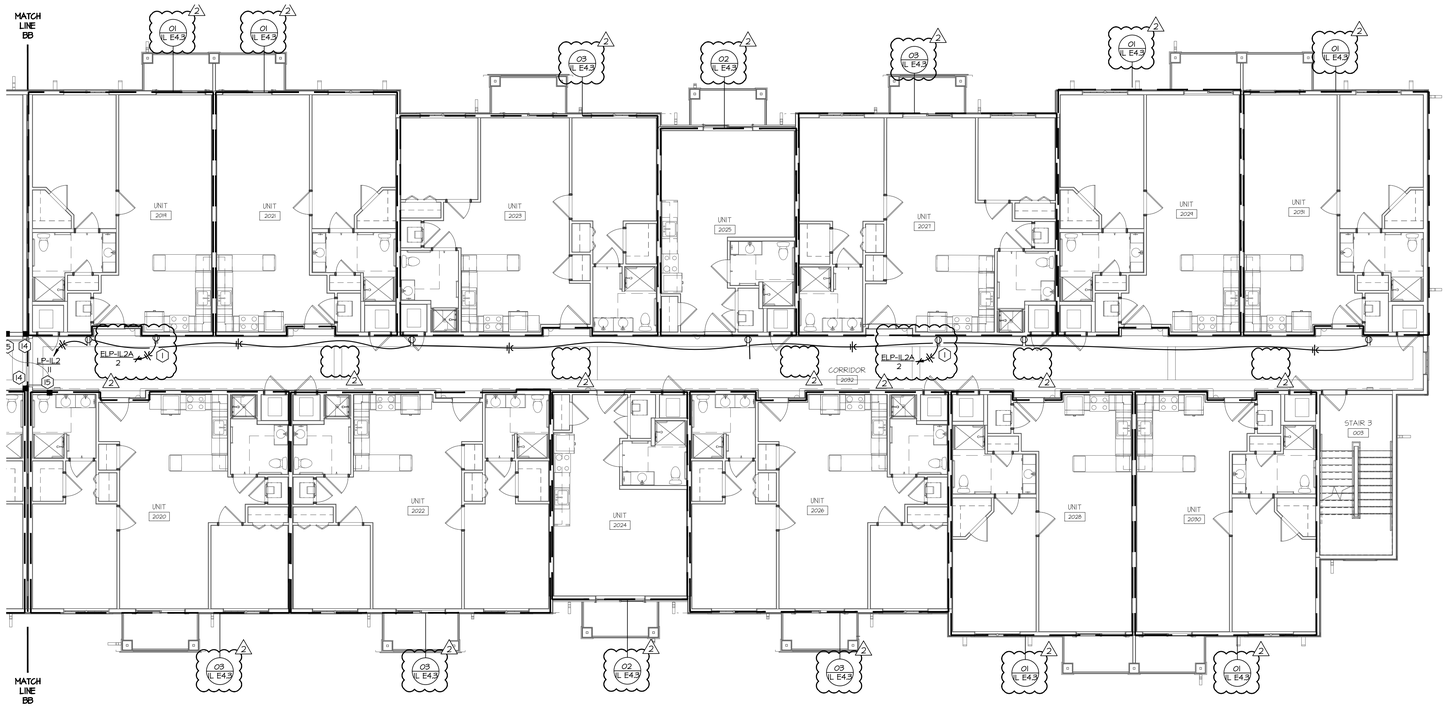
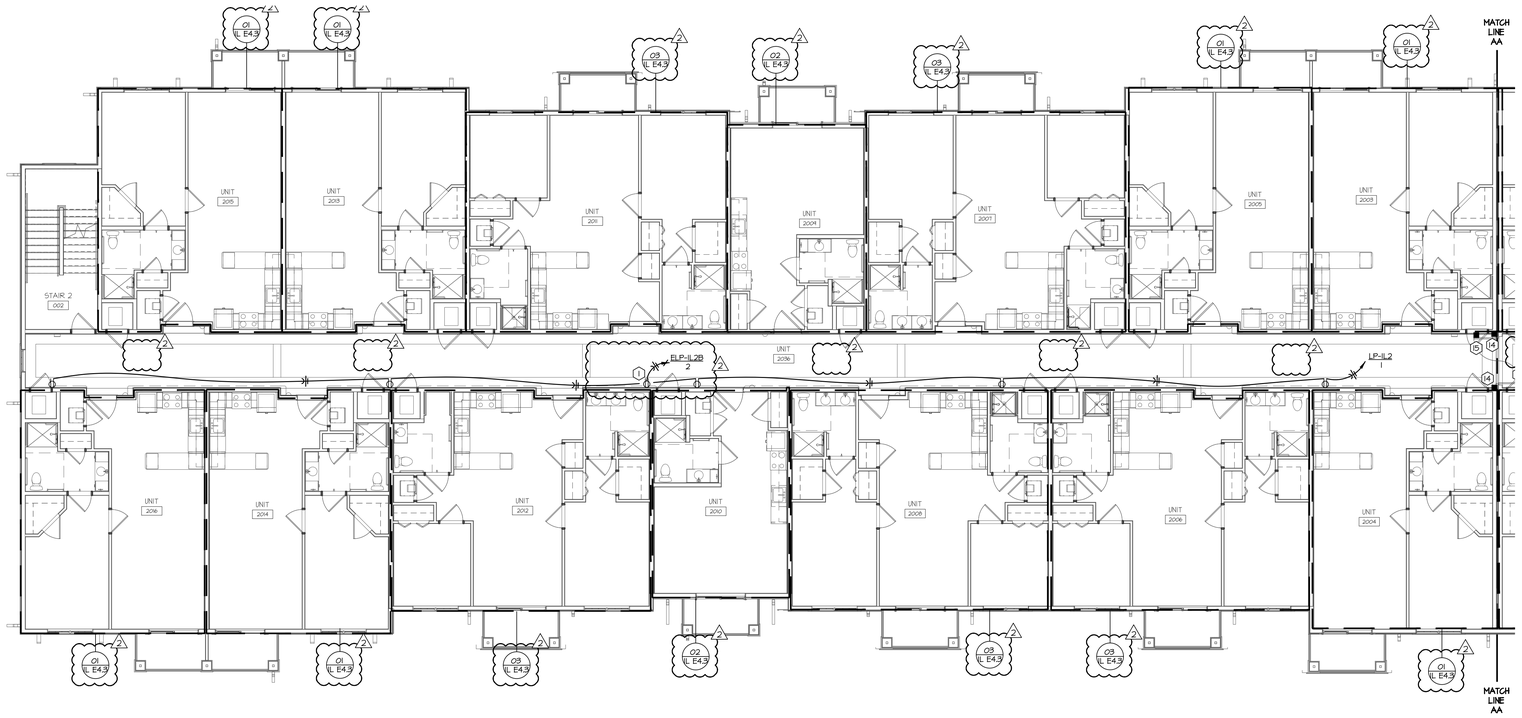


01 2ND FLOOR AREA C - POWER
SCALE: 1/8" = 1'-0"

NORTH



02 2ND FLOOR AREA A - POWER
SCALE: 1/8" = 1'-0"

NORTH

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)#8's &#10G IN 3/4"C.
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5. PROVIDE 60A/3P NEMA 3R DISCONNECT SWITCH. PROVIDE ELECTRICAL CONNECTION WITH (4)#6's &#10G IN 3/4"C.
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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.
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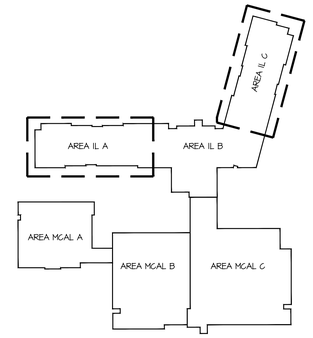

NORTH

KEY PLAN

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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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
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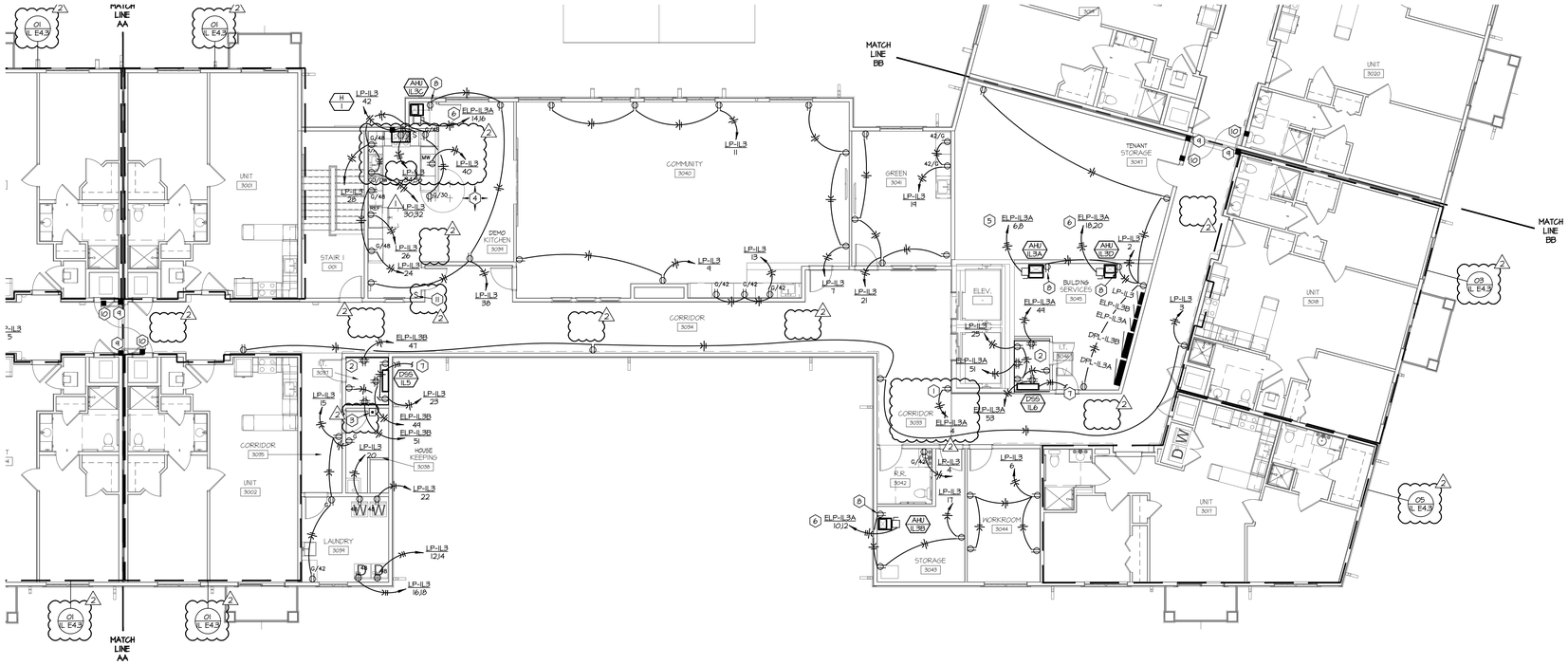


01 3RD FLOOR AREA B - POWER

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

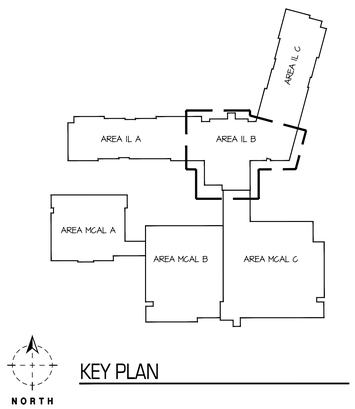
NORTH

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 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 3094. 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.



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

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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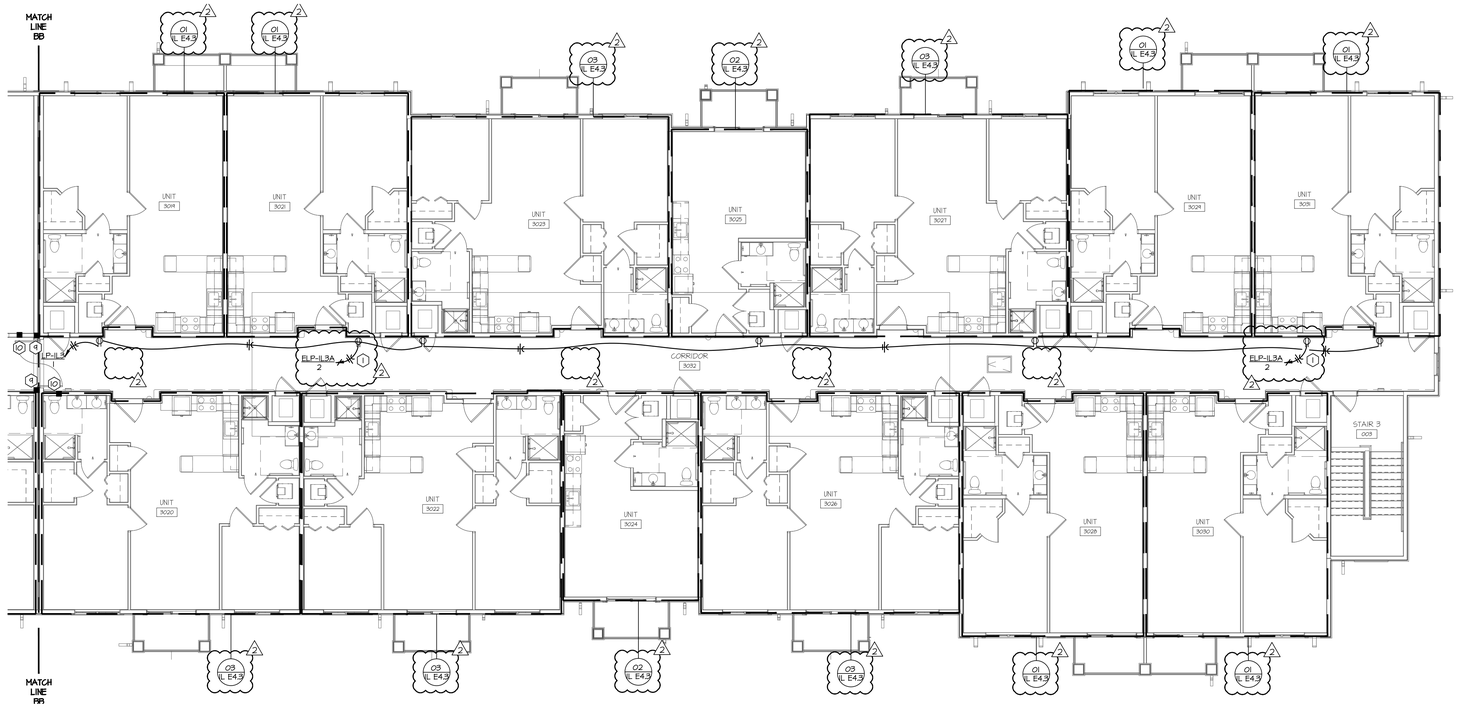
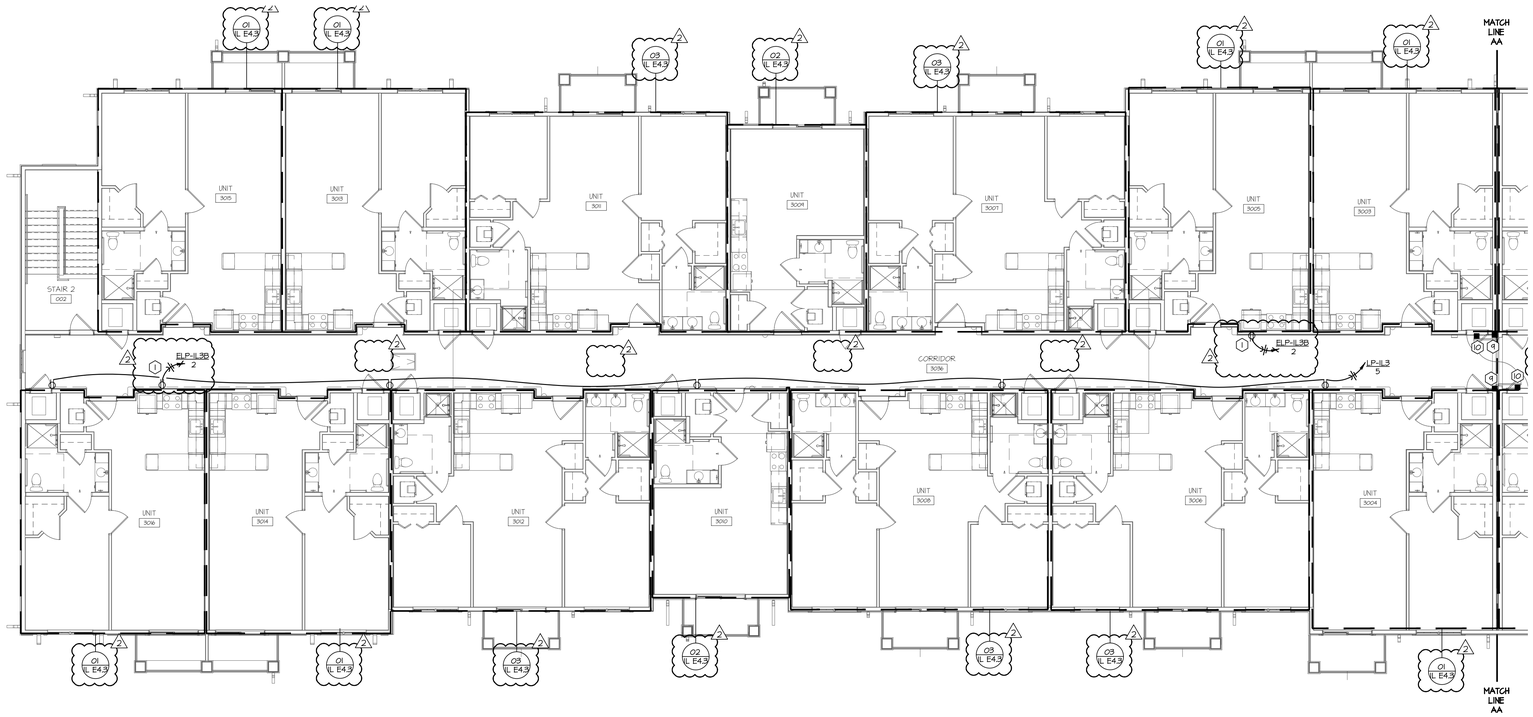


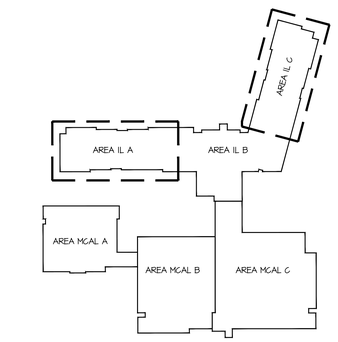
01 3RD FLOOR AREA C - POWER
SCALE: 1/8" = 1'-0"

NORTH



02 3RD 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:

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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.
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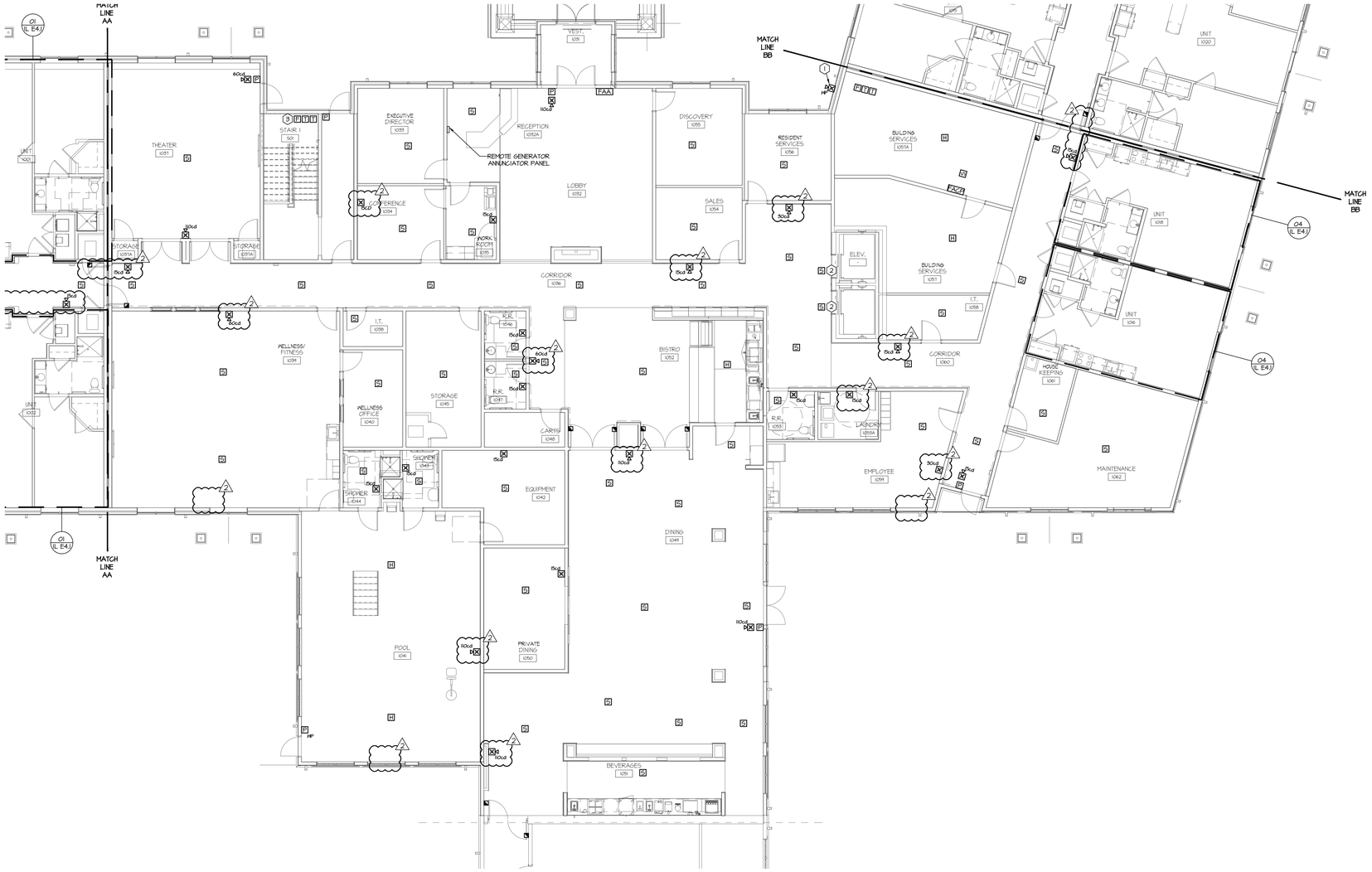


01 1ST FLOOR AREA B - SPECIAL SYSTEMS

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.

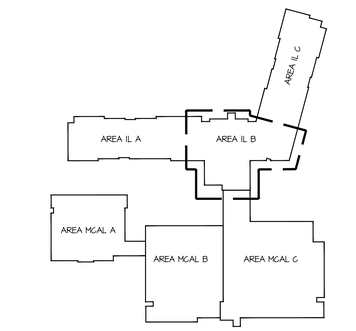
L. REFERENCE MECHANICAL PLANS FOR LOCATION OF FIRE SMOKE DAMPERS. PROVIDE 20A/120V POWER TO FIRE SMOKE DAMPERS FROM CIRCUIT ONLY SERVING FIRE SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE FIRE SMOKE DAMPERS UPON SMOKE DETECTION.

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

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
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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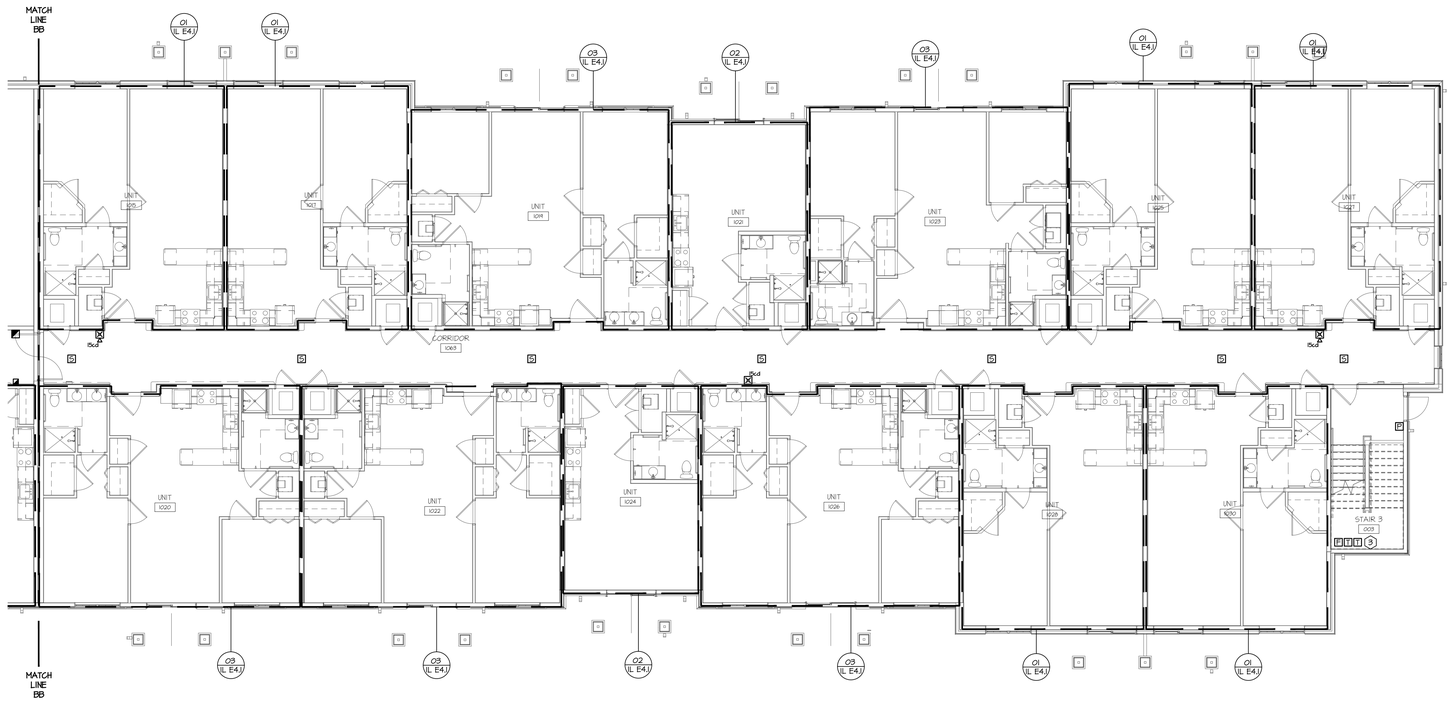
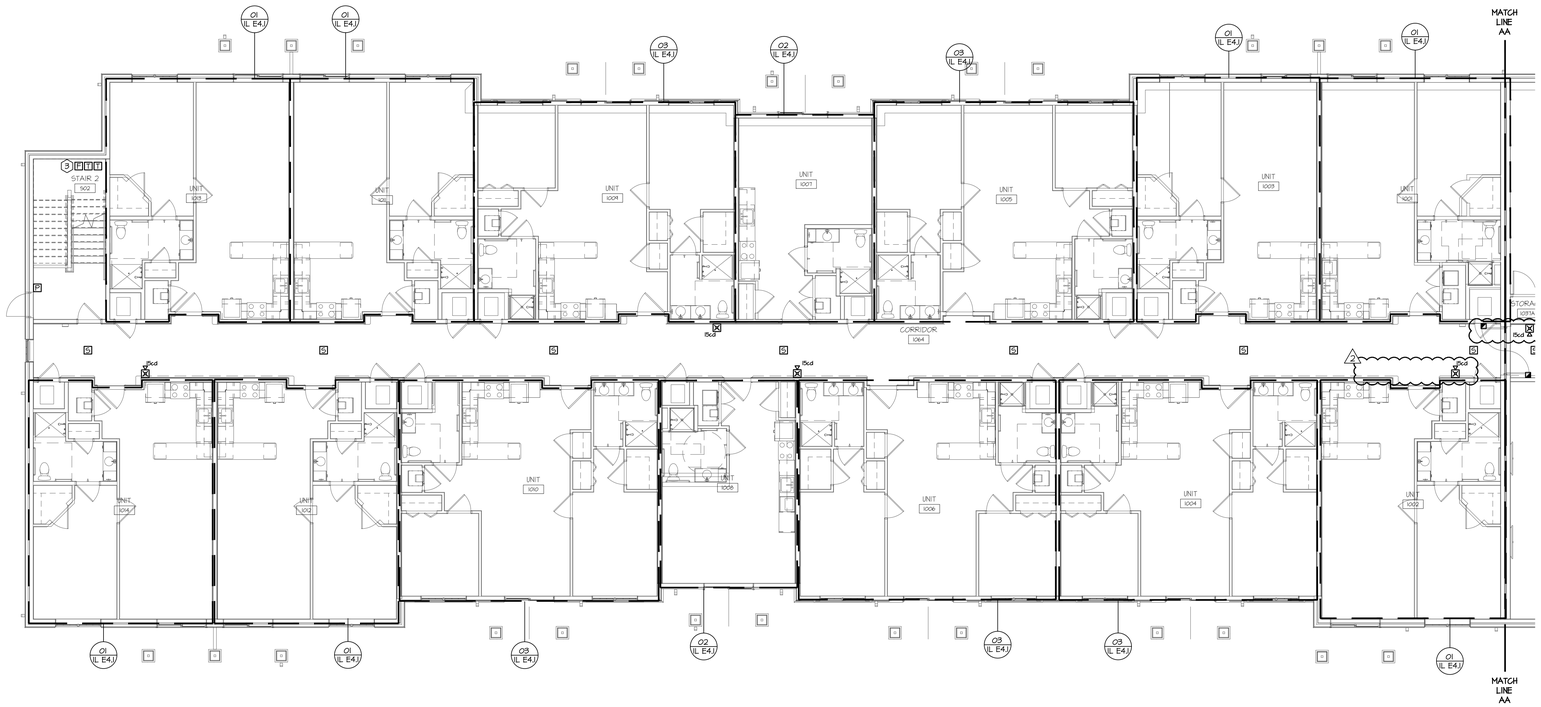


01 1ST FLOOR AREA C - SPECIAL SYSTEMS

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

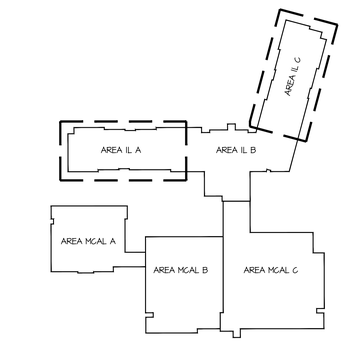
NORTH



02 1ST FLOOR AREA A - SPECIAL SYSTEMS

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

NORTH



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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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SWD ARCHITECTS EST 1935

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STATE OF MISSOURI
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NUMBER
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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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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.
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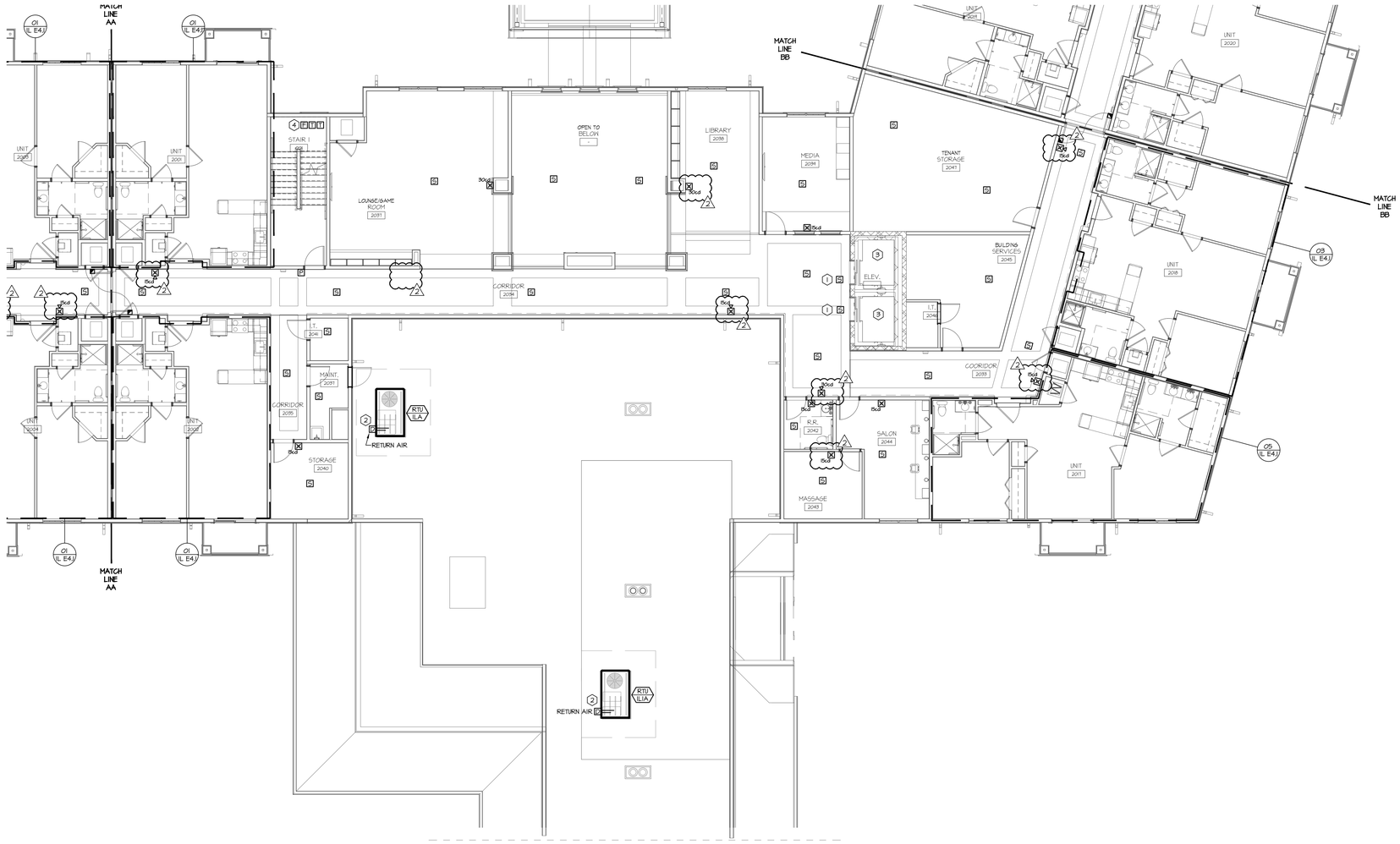
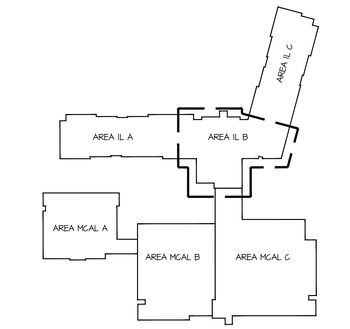


01 2ND FLOOR AREA B - SPECIAL SYSTEMS

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

NORTH



NORTH

KEY PLAN

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

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STATE OF MISSOURI
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PROFESSIONAL ENGINEER

8/10/19

SECOND FLOOR
AREA B
SPECIAL SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
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5 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

IL
E3.3

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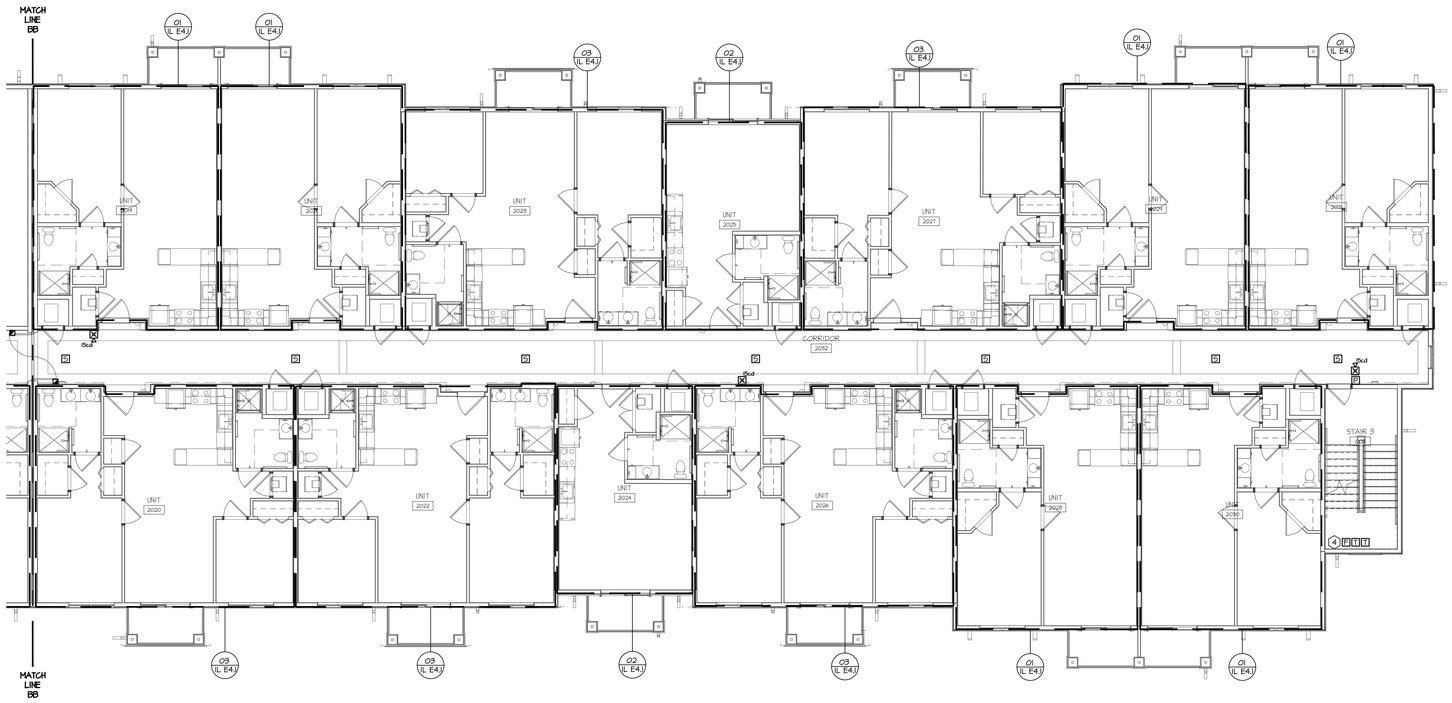
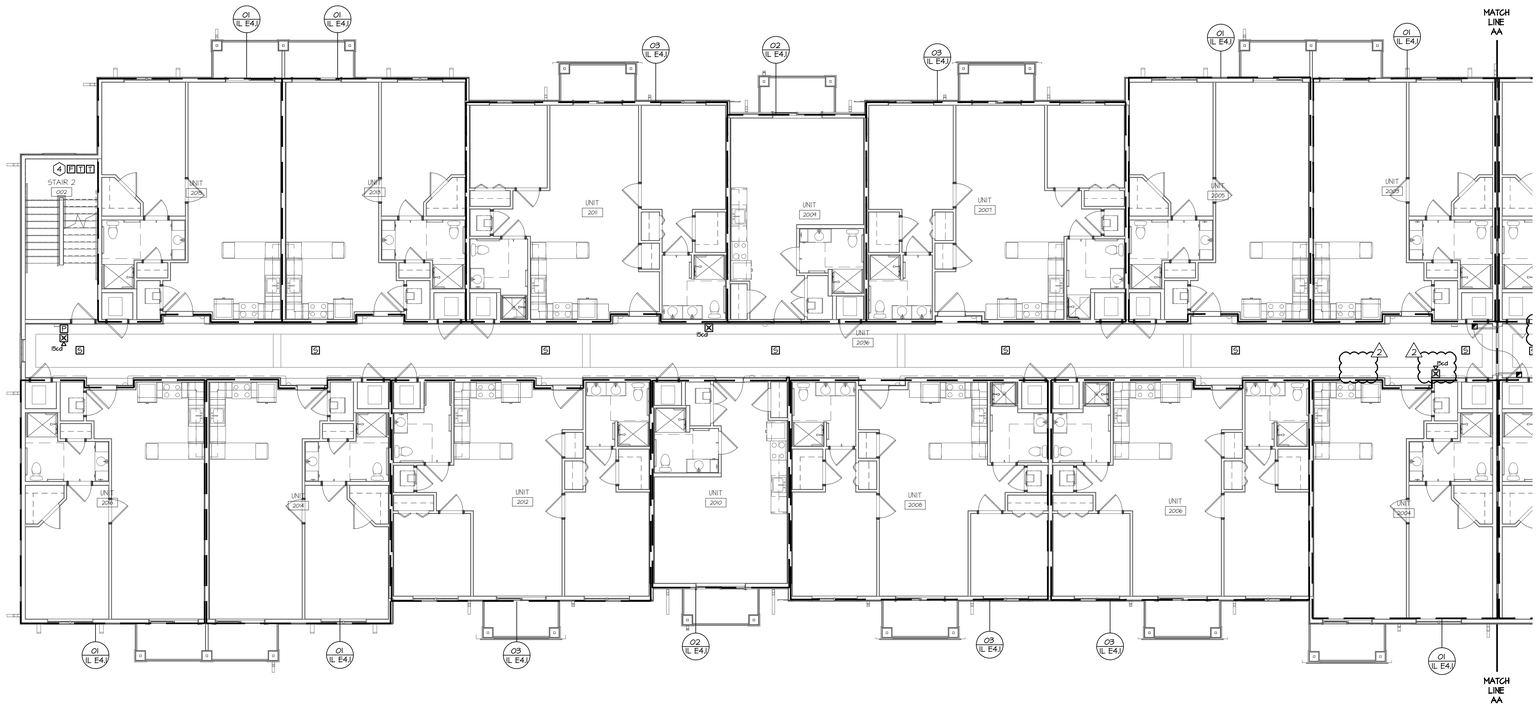


01 2ND FLOOR AREA C - SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"

NORTH



02 2ND FLOOR AREA A - SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"

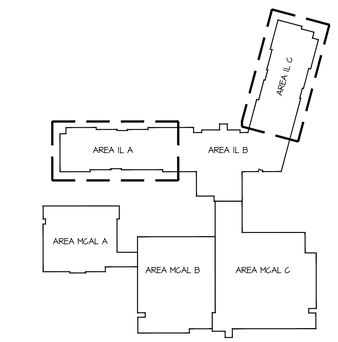
NORTH

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.



NORTH

KEY PLAN

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

8/10/19

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

IL
E3.4

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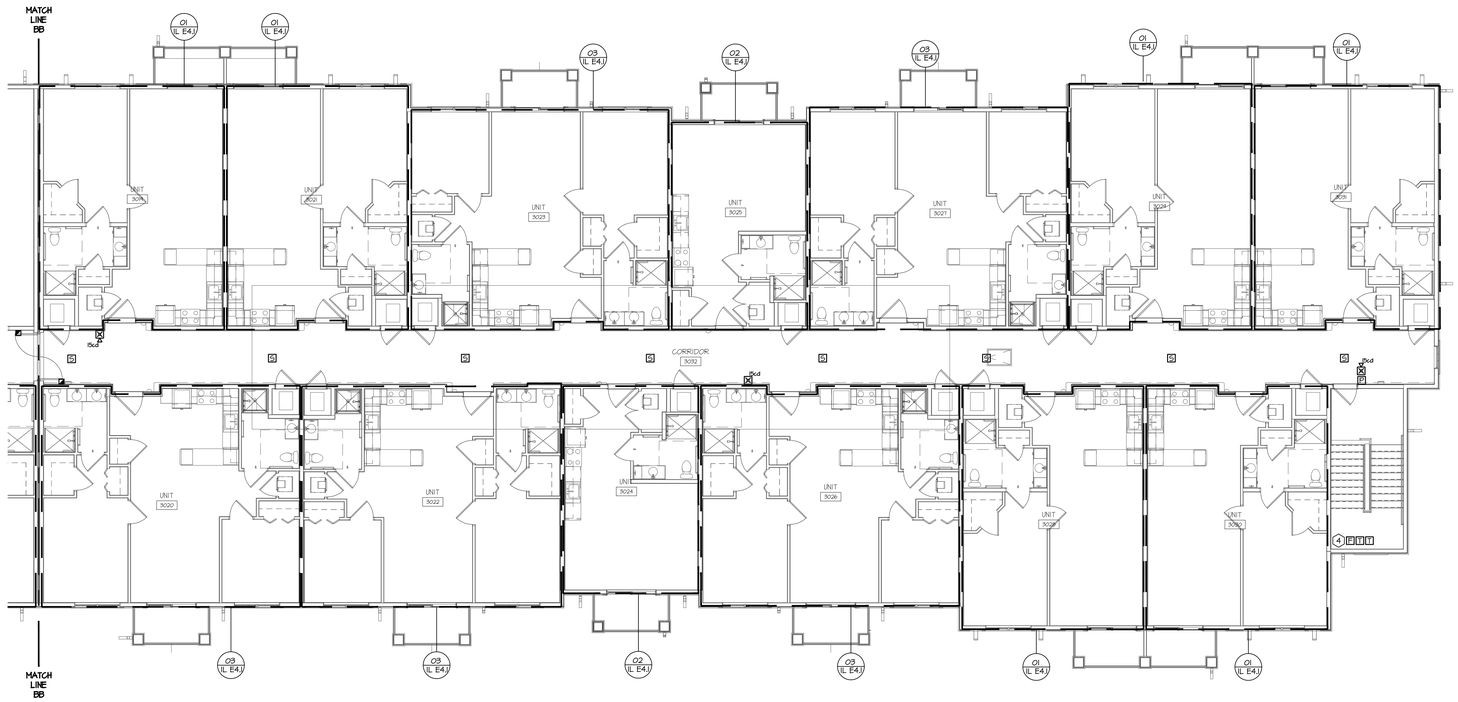
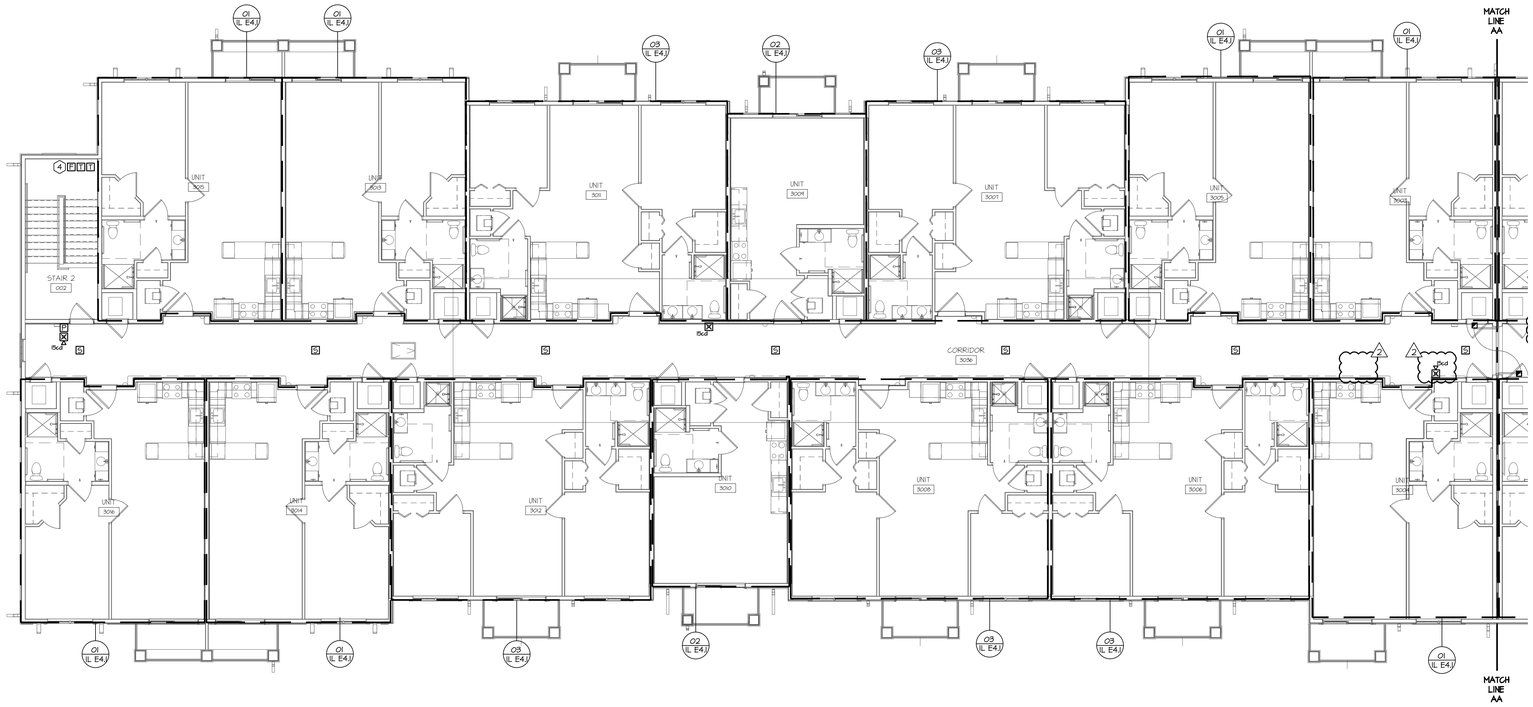


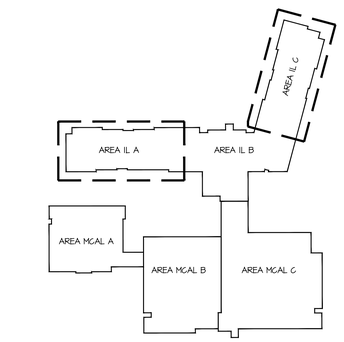
01 3RD FLOOR AREA C -SPECIAL SYSTEMS
SCALE: 1/8" = 1'-0"

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.

SWD ARCHITECTS
EST 1935
ARCHITECTURAL CORPORATION
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CASEY JOHN STEINER
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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
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IL
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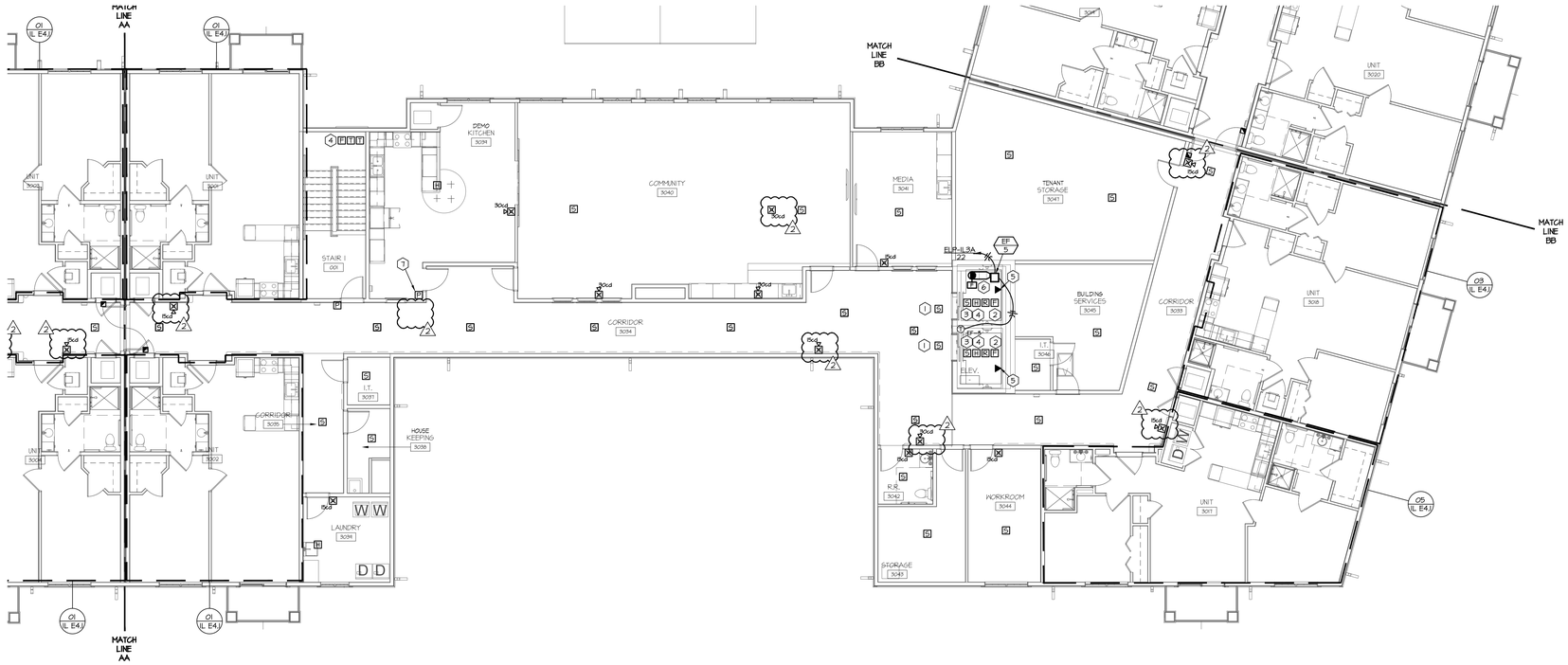

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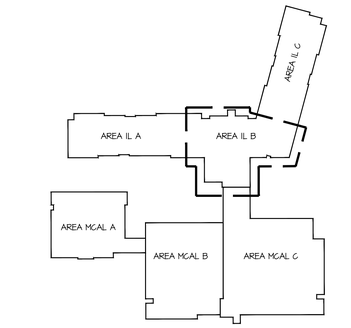
01 3RD FLOOR AREA B - SPECIAL SYSTEMS

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

NORTH



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THIRD FLOOR
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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

IL
E3.5

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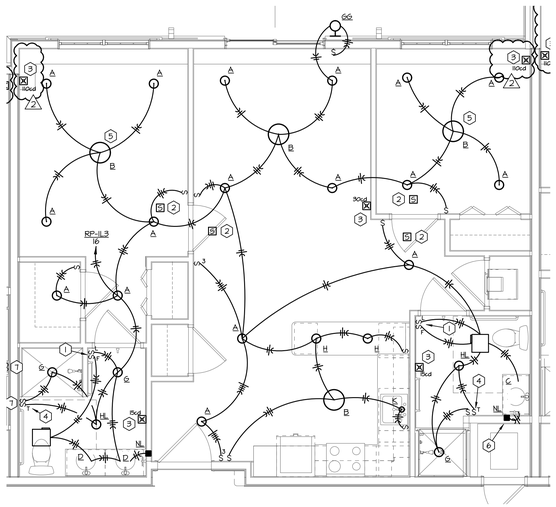
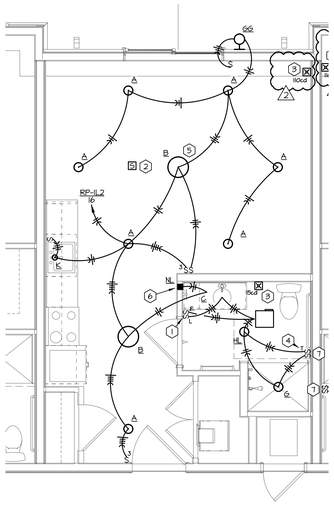
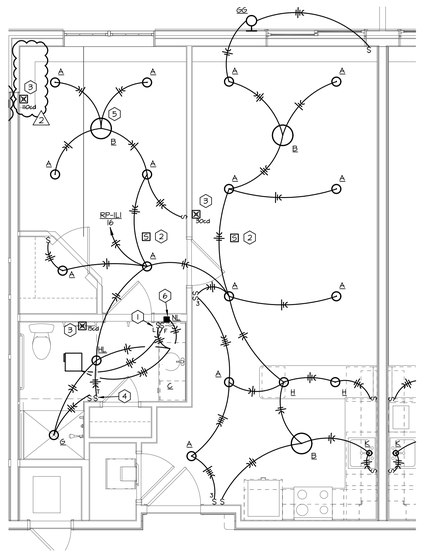


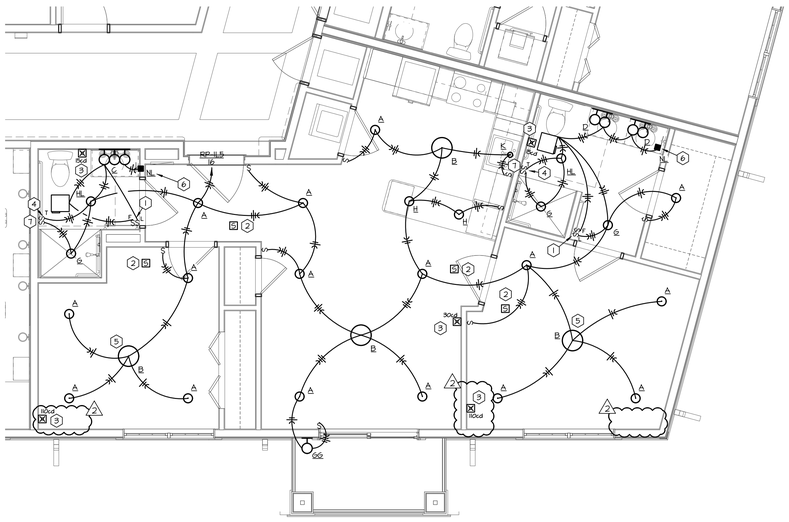
03 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



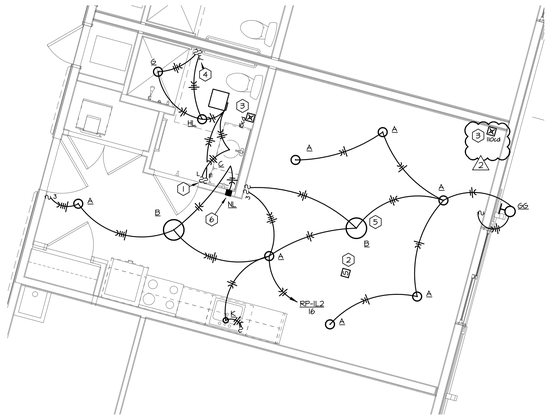
02 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL STUDIO
SCALE: 1/4" = 1'-0"



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.

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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

ENLARGED PLANS
LIGHTING & SPECIAL
SYSTEMS
INDEPENDENT LIVING

ISSUE DATE:
6/14/19

REVISIONS:
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IL
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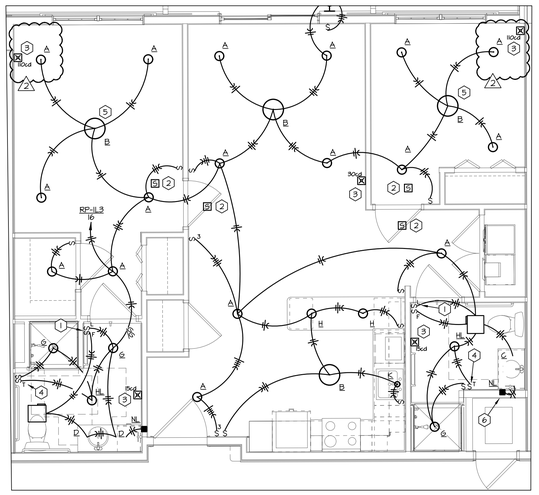
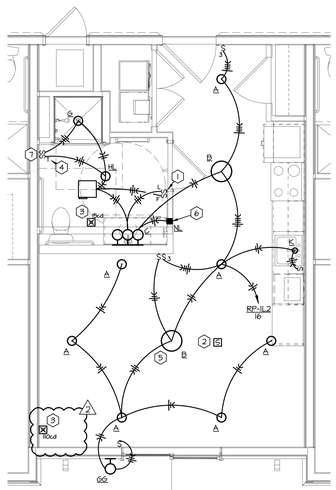
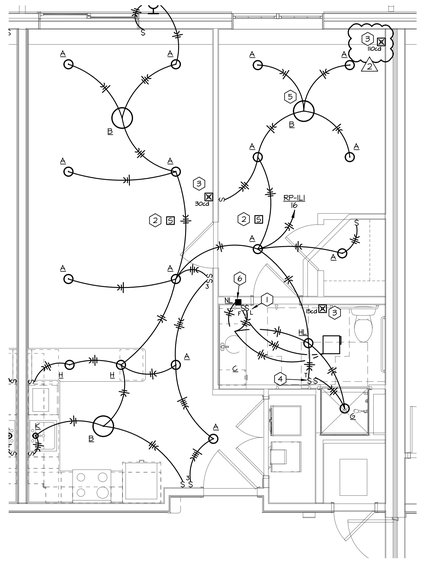


03 ENLARGED PLAN LIGHTING & SPECIAL SYSTEMS - IL 2 BEDROOM - ADA
SCALE: 1/4" = 1'-0"



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.

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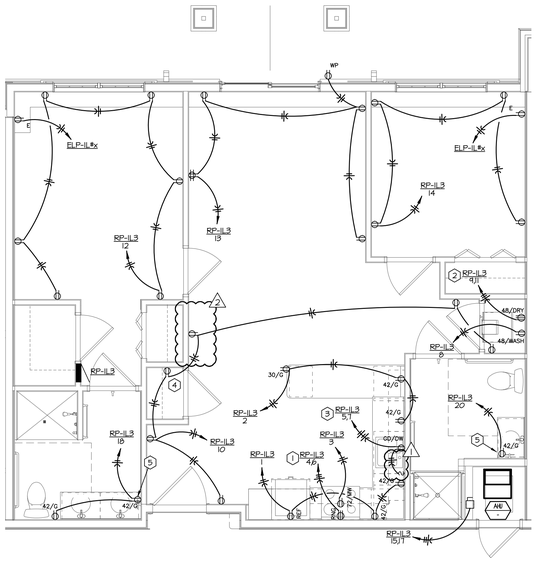
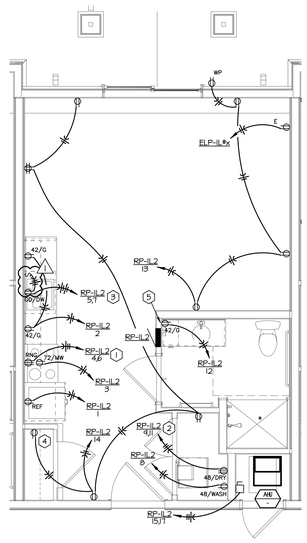
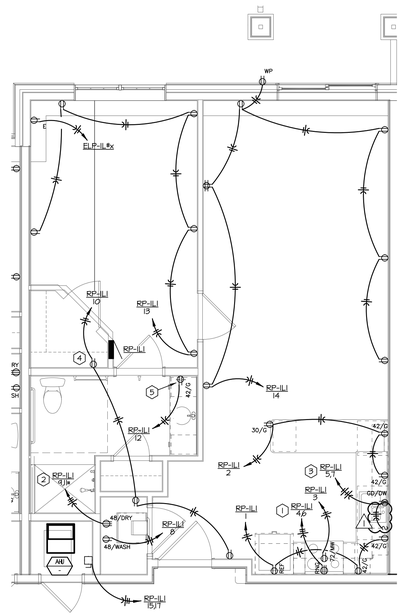


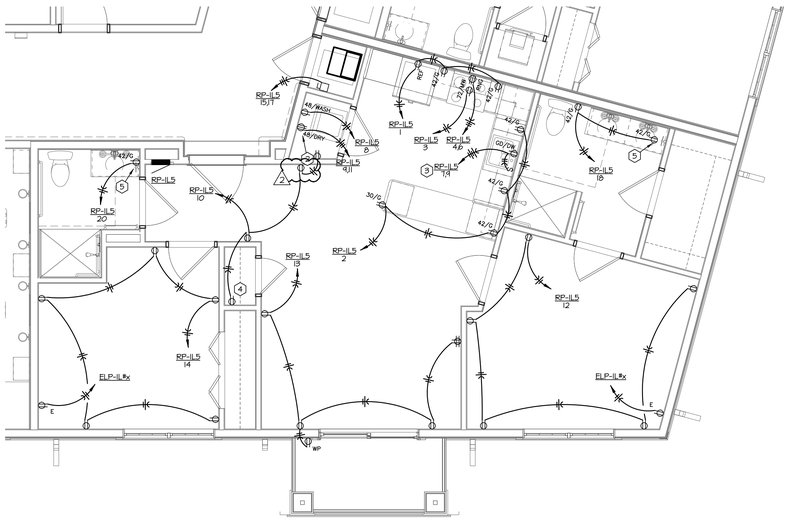
03 ENLARGED PLAN POWER - IL 2 BEDROOM
SCALE: 1/4" = 1'-0"



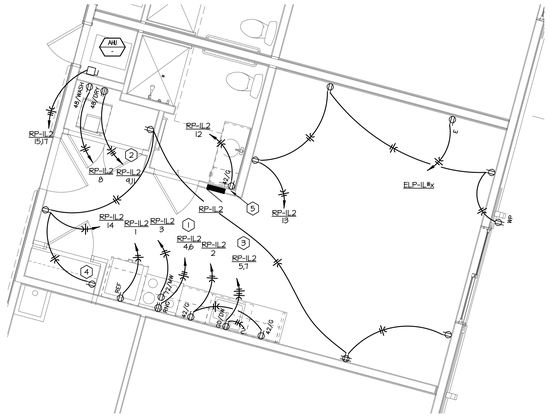
02 ENLARGED PLAN POWER - IL STUDIO
SCALE: 1/4" = 1'-0"



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)#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.

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8/10/19

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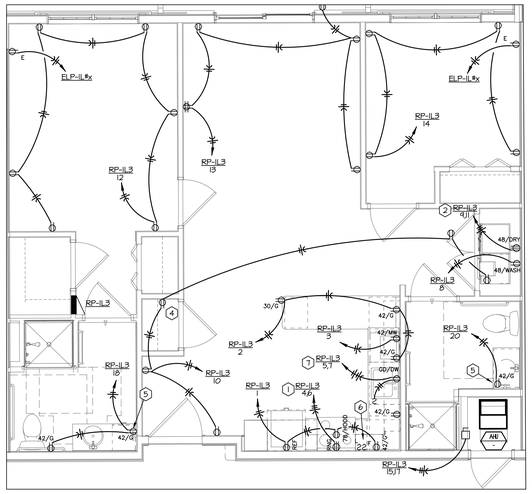
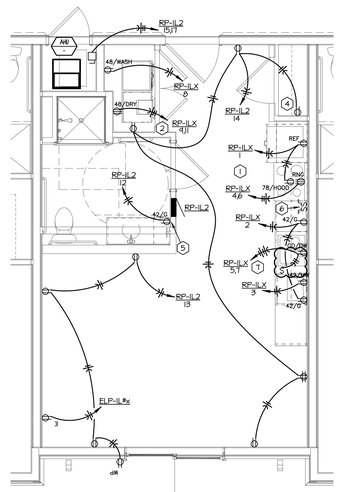


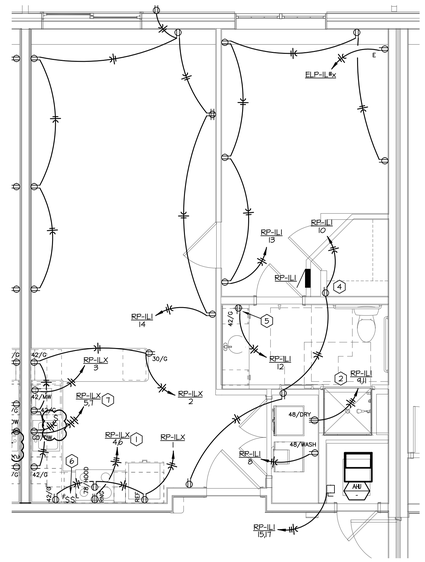
03 ENLARGED PLAN POWER - IL 2 BEDROOM - ADA

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.
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ENLARGED PLANS
POWER
INDEPENDENT LIVING

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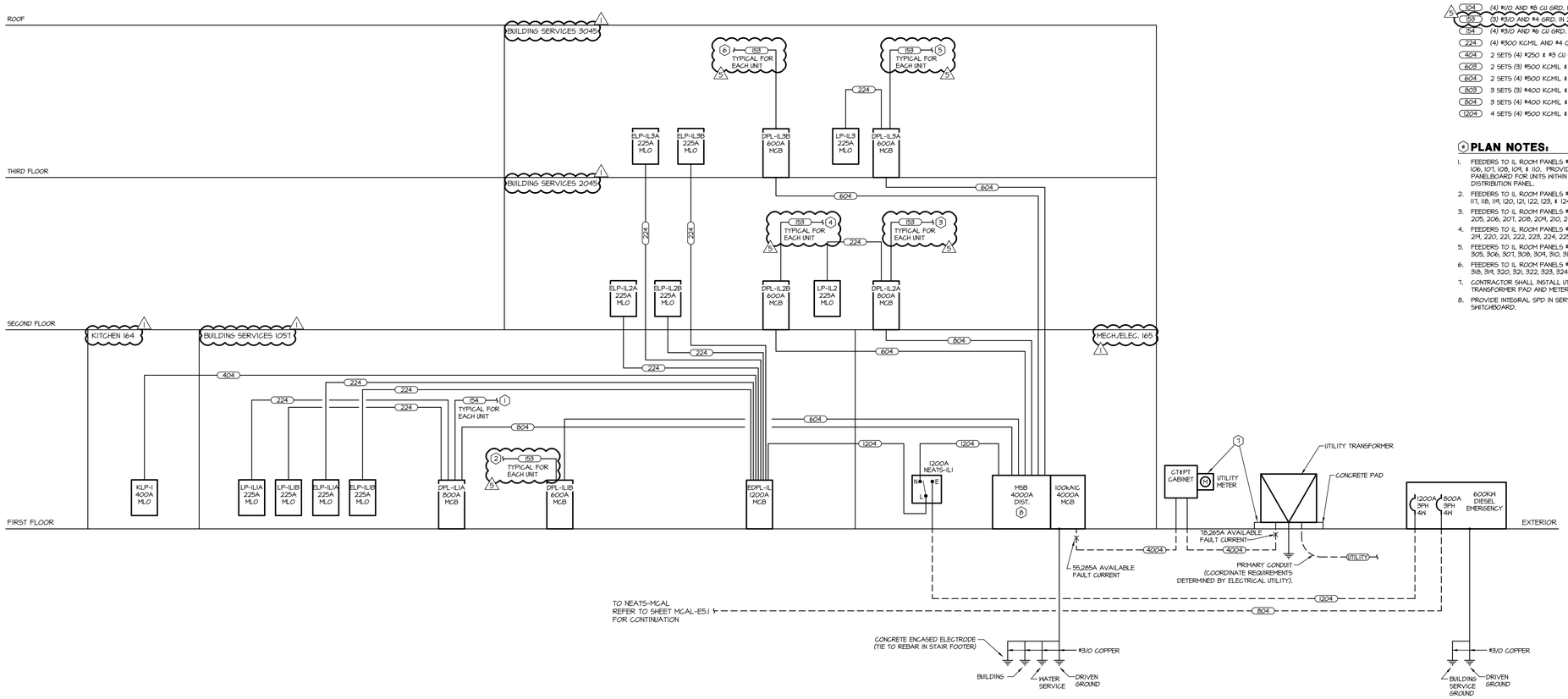

1 ELECTRICAL POWER RISER DIAGRAM

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 #6 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.

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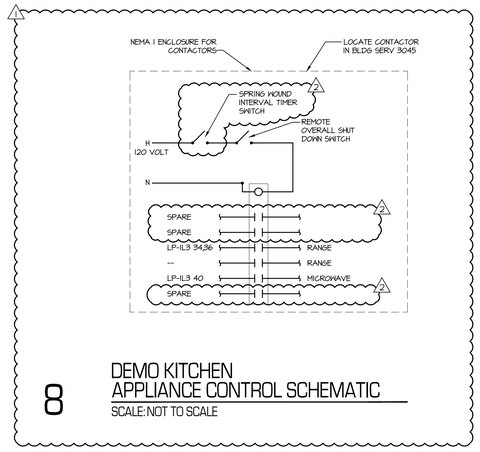
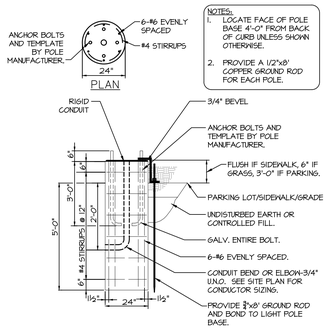


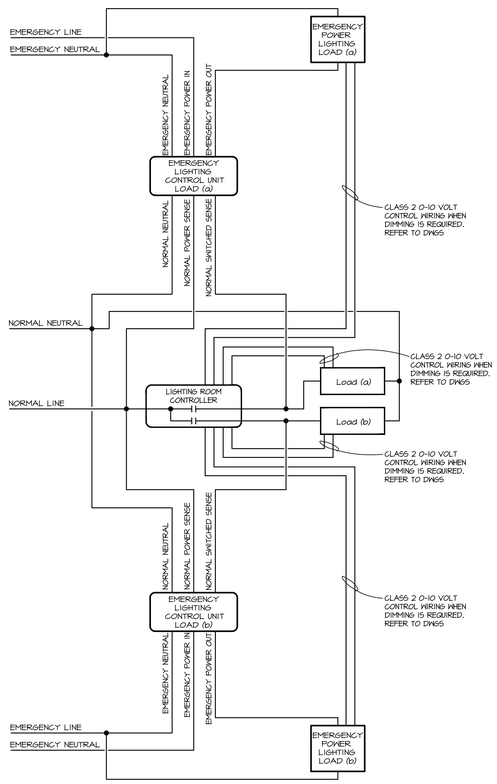
8 DEMO KITCHEN APPLIANCE CONTROL SCHEMATIC

SCALE: NOT TO SCALE



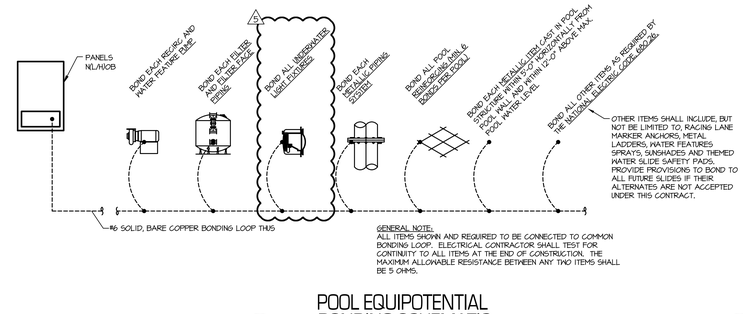
5 POLE BASE DETAIL

SCALE: NOT TO SCALE



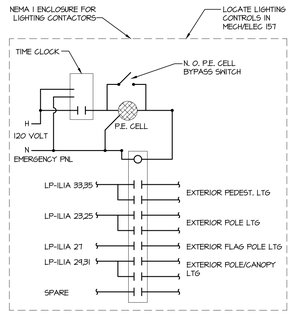
4 EMERGENCY LIGHTING CONTROL UNIT 24V 2-RELAY WIRING DIAGRAM

SCALE: NOT TO SCALE



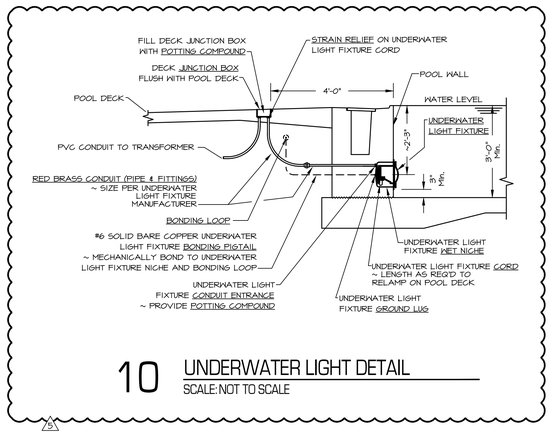
9 POOL EQUIPOTENTIAL BONDING SCHEMATIC

SCALE: NOT TO SCALE



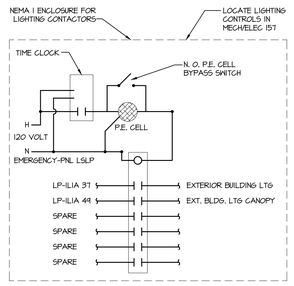
6 EXTERIOR POLE LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



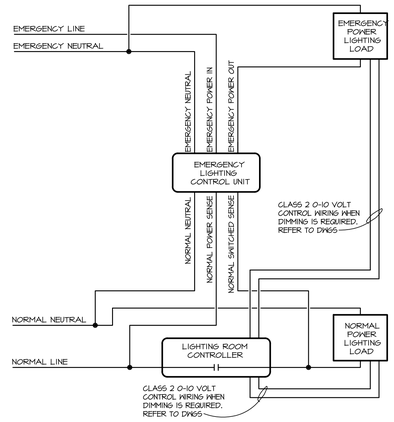
10 UNDERWATER LIGHT DETAIL

SCALE: NOT TO SCALE



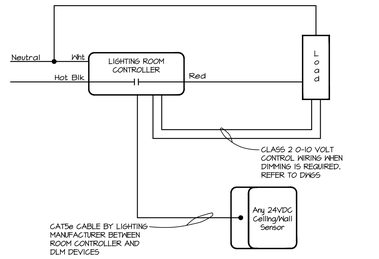
7 EXTERIOR BUILDING MOUNTED LIGHTING CONTROL SCHEMATIC

SCALE: NOT TO SCALE



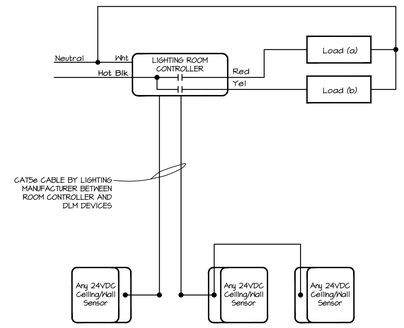
1 TYPICAL 1-RELAY WITH EMERGENCY LIGHTING CONTROL DIAGRAM

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
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HOSS & BROWN
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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 DETAILS

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
E5.2

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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~~		~~20~~	C	20	1	RCPT - IT	720	42
43	360	RCPT - THEATER	1	20	A	20	1	RCPT - WTR SOFT	500	44
45		~~SPARE~~		~~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						

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 -
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

LIGHT FIXTURE SCHEDULE - SITE LIGHTING

MARK	MANUFACTURER	MODEL	LAMP DATA TYPE		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.

SWD ARCHITECTS
EST 1935

ARCHITECTURAL CORPORATION
MISSOURI CERTIFICATE
OF AUTHORITY NO. 000073

H&B ENGINEERS
HOSS & BROWN
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Lenexa, Kansas 66214
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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

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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
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	5TR830K10	1000	LED	3000	120	SURFACE	14.2	7" SLIM SURFACE LED	5,7
A1	SIGNIFY	5TR830K22	2200	LED	3000	120	SURFACE	23.2	10" SLIM SURFACE LED	5,7
B	BROWNLEE LIGHTING	2059-16-BN-C24LED-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	1050	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	P7088-09830K9	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	TT5TW	-	LED	-	120	WALL	1	LED DIMMABLE NIGHT LIGHT	5,6
O1	HE WILLIAMS	T5S-4-L30/830-DRV-120	3000	LED	3000	120	SURFACE	23	SQUARE LENSED LED STRIP	
O2	HE WILLIAMS	T5S-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. BW	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-C49LED-SNI-30K-DIM-E5	4124	LED	3000	120	PENDANT	49	24" DIAMETER DIMMING LED CEILING PENDANT	5,7
V2	CAPITAL LIGHTING	3423BN-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-22-40W-40	4600	LED	4000	120	SURFACE	40	2x2 LAY-IN LED PANEL	7
Y2	LED2	LED2-PANS-14-40W-40	4100	LED	4000	120	SURFACE	40	1x4 LAY-IN LED PANEL	7
Z	HE WILLIAMS	T5S-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	1ST-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-SM-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 #M350L24DC 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.

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

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SEAL
PE - CASEY JOHN STEINER
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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
3 STATE/CITY COMMENTS - 8/10/2019

PROJECT NO.:1811

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E6.3

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