

ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

AFC ABOVE FINISHED CEILING  
AFF ABOVE FINISHED FLOOR  
AFG ABOVE FINISHED GRADE  
ARF ABOVE RAISED FLOOR  
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE  
AWG AMERICAN WIRE GAUGE  
A AMPERES, AMBER  
AV AUDIO VISUAL  
AHJ AUTHORITY HAVING JURISDICTION  
AIC AVAILABLE INTERRUPTING CAPACITY  
BAS BUILDING AUTOMATION SYSTEM  
CA CABLE  
CAT CATEGORY  
CLG CEILING  
CB CIRCUIT BREAKER  
C CONDUIT, CLOSE, CONTROL  
CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED  
CFOI CONTRACTOR FURNISHED OWNER INSTALLED  
COORD COORDINATE  
CU COPPER  
dB DECIBEL  
(X) DEMOLISH  
DTL DETAIL  
DIA DIAMETER  
DIM DIMENSION  
DIV DIVISION  
DN DOWN  
DWG DRAWING  
EA EACH  
EMT ELECTRICAL METALLIC TUBING  
ENT ELECTRICAL NON-METALLIC TUBING  
ESD ELECTROSTATIC DISCHARGE  
EL ELEVATION  
E EMERGENCY  
EF EXHAUST FAN  
(E) EXISTING  
FMS FACILITY MANAGEMENT SYSTEMS  
FF FINISH FLOOR  
FA FIRE ALARM  
FACP FIRE ALARM CONTROL PANEL  
FMC FLEXIBLE METAL CONDUIT  
FT FOOT, FEET  
FBO FURNISHED BY OTHERS  
G, GND GROUND  
GFCI GROUND FAULT CIRCUIT INTERRUPTER  
GFI GROUND FAULT INTERRUPTER  
GFP GROUND FAULT PROTECTION  
GE GROUNDING EQUALIZER  
HH HANDHOLE  
HT HEIGHT  
HC HORIZONTAL CROSS CONNECT  
ID IDENTIFICATION  
IN INCH, INCHES  
IEEE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS  
IMC INTERMEDIATE METAL CONDUIT  
IG ISOLATED GROUND  
KV KILOVOLT  
KVA KILOVOLT AMPERES  
KW KILOWATT  
LED LIGHT EMITTING DIODE  
LNC LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT  
LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT  
LV LOW VOLTAGE  
MCC MAXIMUM OVERCURRENT PROTECTION  
MHz MEGAHERTZ  
mA MILLIAMPERES  
MIN MINIMUM  
MCA MINIMUM CIRCUIT AMPS  
MISC MISCELLANEOUS  
M MOTOR  
MCC MOTOR CONTROL CENTER  
MT, MTD MOUNT, MOUNTED  
MDU MULTI-DWELLING UNIT  
NEC NATIONAL ELECTRIC CODE  
NEBC NATIONAL ELECTRIC SAFETY CODE  
NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION  
N NEUTRAL  
(N) NEW  
NC NORMALLY CLOSED  
NO NORMALLY OPEN  
NA NOT APPLICABLE  
N.I.C. NOT IN CONTRACT  
NTS NOT TO SCALE  
OC ON CENTER  
OSP OUTSIDE PLANT  
OFCI OWNER FURNISHED, CONTRACTOR INSTALLED  
OFOI OWNER FURNISHED, OWNER INSTALLED  
PNL PANEL  
PH PHASE  
PVC POLY-VINYL-CHLORIDE  
PWR POWER  
QTY QUANTITY  
REF REFERENCE  
(R) RELOCATE  
RFI REQUEST FOR INFORMATION  
REQD REQUIRED  
RMC RIGID METAL CONDUIT  
RM ROOM  
SHT SHEET  
SIM SIMILAR  
SPKR SPEAKER  
STD STANDARD  
SPD SURGE PROTECTION DEVICE  
SWBD SWITCHBOARD  
TBB TELECOMMUNICATIONS BONDING BACKBONE  
TGB TELECOMMUNICATIONS GROUNDING BUS BAR  
TTB TELEPHONE TERMINAL BOARD  
TO BE DETERMINED  
XFMR TRANSFORMER  
TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR  
TP TYPICAL  
TYP TYPICAL  
UG UNDERGROUND  
UL UNDERWRITERS LABORATORIES  
UPS UNINTERRUPTIBLE POWER SUPPLY  
UON UNLESS OTHERWISE NOTED  
VFD VARIABLE FREQUENCY DRIVE  
VFRY VERIFY  
V VOLTS, VOLTAGE  
WP WEATHERPROOF  
WG WIRE GUARD  
W WIRE, WHITE  
W WITH  
WO WITHOUT  
WAO WORK AREA OUTLET

Connections / Equipment

COMBINATION ADJUSTABLE FREQUENCY DRIVE WITH SAFETY DISCONNECT SWITCH  
COMBINATION MOTOR STARTER/FUSED DISCONNECT SWITCH  
CONTACTOR COIL  
HEAVY DUTY FUSED DISCONNECT SWITCH  
MOTOR CONNECTION  
NON-FUSED DISCONNECT SWITCH  
RELAY  
REMOTE DRIVER FOR LED LUMINAIRES  
TRANSFORMER  
FIRE SMOKE DAMPER  
SMOKE DAMPER  
CEILING MOUNTED JUNCTION BOX  
FLOOR MOUNTED JUNCTION BOX  
WALL-MOUNTED JUNCTION BOX  
MAGNETIC DOOR HOLDER  
FIRE ALARM CONTROL PANEL  
NOTIFICATION APPLIANCE CIRCUIT PANEL  
FIRE ALARM ANNUNCIATOR PANEL  
DETAIL NUMBER AND SHEET LOCATION  
EQUIPMENT IDENTIFICATION  
FOOD SERVICE EQUIPMENT / CALCULATION TAG  
KEYED NOTE  
POINT OF CONNECTION  
SECTION NUMBER AND SHEET LOCATION  
DEMOLISH  
EXISTING WORK  
NEW WORK

Fire Alarm

FACP  
NAC  
FAA

General

X  
X  
XX-X  
LOCATION  
XX  
KEYED NOTE  
POINT OF CONNECTION  
SECTION NUMBER AND SHEET LOCATION  
DEMOLISH  
EXISTING WORK  
NEW WORK

Lighting

COMBINATION EXIT SIGN CEILING MOUNTED AND DUAL HEAD EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARROW(S) INDICATES DIRECTION IF SHOWN  
COMBINATION EXIT SIGN WALL MOUNTED AND DUAL HEAD EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARROW(S) INDICATES DIRECTION IF SHOWN  
EMERGENCY LUMINAIRE WITH BATTERY PACK  
EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN  
EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN  
RECESSED LUMINAIRE  
SURFACE OR PENDANT MOUNTED STRIPLIGHT  
WALL MOUNTED LUMINAIRE

Miscellaneous

BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.  
BRANCH PANEL  
CIRCUIT BREAKER  
DRY TYPE TRANSFORMER  
FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED  
FLUSH WALL MOUNTED BRANCH PANEL  
GROUND BAR  
GROUNDING POINT  
MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL  
POWER UTILITY POLE  
SUBGRADE VAULT CATV  
SUBGRADE VAULT POWER  
SUBGRADE VAULT TELEPHONE  
SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED  
TELEPHONE UTILITY POLE  
UTILITY TRANSFORMER PAD/VAULT

Raceways

EXISTING CONDUIT CONCEALED IN WALL OR CEILING SPACE  
EXISTING CONDUIT ROUTED BELOW FLOOR / GRADE  
OVERHEAD PRIMARY SERVICE

OVERHEAD TELEPHONE SERVICE  
UNDERGROUND CABLE TELEVISION SERVICE  
UNDERGROUND PRIMARY SERVICE  
UNDERGROUND SECONDARY SERVICE  
UNDERGROUND TELEPHONE SERVICE  
CONDUIT CONCEALED IN WALL OR CEILING SPACE  
CONDUIT ROUTED BELOW FLOOR / GRADE  
CONDUIT ELLED DOWN  
CONDUIT ELLED UP  
CONDUIT/WIRING CONTINUATION  
CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING  
FLEXIBLE CONDUIT

Switches and Receptacles

DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)  
A = ABOVE COUNTER  
B = RECESSED RECEPTACLE  
F = ARC FAULT PROTECTED BY BREAKER IN PANEL  
G = GROUND FAULT CIRCUIT INTERRUPTER  
I = ISOLATED GROUND  
S = SPLIT WIRED  
T = TAMPER RESISTANT SHUTTERED RECEPTACLE  
U = USB PORT(S)  
W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE  
DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS  
EQUIPMENT ELECTRICAL CONNECTION  
SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION  
LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE  
XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE  
P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH  
X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED  
CEILING MOUNTED OCCUPANCY SENSOR  
P = PASSIVE INFRARED  
D = DUAL TECHNOLOGY  
U = ULTRASONIC, 360 DEG RANGE  
H = ULTRASONIC, HALLWAY PATTERN  
v (LOWERCASE) = VACANCY CONTROL DESIGNATION  
WALL MOUNTED OCCUPANCY SENSOR  
P = PASSIVE INFRARED  
D = DUAL TECHNOLOGY  
v (LOWERCASE) = VACANCY CONTROL DESIGNATION  
WALL MOUNTED OCCUPANCY SENSOR/ SWITCH  
S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH  
T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES  
D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF.  
v (LOWERCASE) = VACANCY CONTROL DESIGNATION  
PHOTO ELECTRIC SWITCH  
D = CONTINUOUS DIMMING PHOTOCELL  
S = SWITCHED PHOTOCELL  
SINGLE POLE SWITCH  
2 = DOUBLE POLE SWITCH  
3 = THREE-WAY SWITCH  
4 = FOUR-WAY SWITCH  
a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION  
D = DIMMER  
F = FAN SPEED CONTROL  
K = KEY OPERATED SWITCH  
L = LIGHTED HANDLE  
M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD  
P = SWITCH WITH PILOT LIGHT  
S = SENTRY SWITCH  
T = INTERVAL TIMER  
W = WEATHERPROOF SWITCH  
V = LOW VOLTAGE SWITCH

GENERAL ELECTRICAL NOTES

- A. NEW MEXICO: 2017 NEC
- B. CONSULT ALL DRAWINGS IN THIS PROJECT AND BECOME FAMILIAR WITH ALL EQUIPMENT TO BE INSTALLED. COORDINATE ALL ASPECTS OF THE CONSTRUCTION WITH THE OTHER TRADES ON THE JOB TO ENSURE THAT ALL WORK AND MATERIALS REQUIRED PROVIDE A COMPLETE AND OPERATIONAL RESIDENTIAL BUILDING ARE INCLUDED IN THE BID.
- C. PROVIDE CONNECTION TO ALL 120V FIRE ALARM PANELS / POWER SUPPLIES. COORDINATE WITH DIVISION 28 DESIGN BUILD CONTRACTOR.
- D. COORDINATE WITH GENERAL CONTRACTOR DURING BID FOR DIVISION 23 LINE VOLTAGE POWER CONNECTIONS TO CONTROLS / POWER SUPPLIES (IF ANY) NOT ALREADY CONTAINED WITHIN THE DOCUMENTS TO BE INCLUDED IN DIVISION 26 SCOPE OF WORK.
- E. PROVIDE POWER TO LUMINAIRES / CONTROL DEVICES AS REQUIRED TO MEET NFPA LIFE-SAFETY EGRESS ILLUMINATION REQUIREMENTS.
- F. PROVIDE PRICING FOR CONNECTIONS / DISCONNECTS TO FIRE SPRINKLER AIR COMPRESSORS, JOCKEY PUMPS, AND BELLS. COORDINATE WITH DIVISION 21.
- G. BRANCH CIRCUIT WIRING ASSUMES SIX DUPLEX RECEPTACLES PER 20-AMP CIRCUIT.
- H. PROVIDE DEDICATED NEUTRALS FOR EACH CIRCUIT.
- I. MINIMUM SIZE CONDUIT SHALL BE 3/4-INCH TRADE SIZE.
- J. FEEDER CIRCUIT WIRING: ALUMINUM THWN-2  
BRANCH CIRCUIT WIRING FOR BUILDING COMMON AREAS: COPPER  
THHN/THWN-2 #12 CU MINIMUM. BUILDING TYPE IIIA: NMB CABLE ALLOWED. MC CABLE ALLOWED FOR 20-AMP AND 30-AMP CIRCUITS IN ACCESSIBLE DROP CEILING LOCATIONS. NOT ALLOWED FOR HOMERUNS TO PANELBOARD.
- K. BRANCH CIRCUIT WIRING IN DWELLING UNITS: COPPER THHN. NMB CABLE ALLOWED.
- L. PROVIDE SELF-TESTING GFCI AND AFCI OUTLETS OR GFCI CIRCUIT BREAKERS WHERE REQUIRED BY CODE.

ELECTRICAL APPROVED - JUSTIN MORENO  
Exceptions As Noted  
Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents.  
Any corrections or comments are subject to the requirements of the plans and specifications.  
Contractor is responsible for dimensions which shall confirmed and correlated at the job site, fabrication processes and techniques of construction, coordination of his/her work with that of all the trades and the satisfactory performance of his/her work and all code requirements. All sections shall conform with the National Electrical Code and the State of New Mexico Electrical Code.  
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LUMINAIRE SCHEDULE

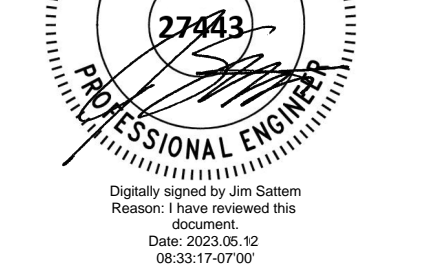
| TYPE   | DESCRIPTION  | HOUSING            | SHIELDING                  | MOUNTING  | FINISH           | UL/IP RATING | DRIVER/ POWER SUPPLY                 | LIGHT SOURCE                           | INPUT WATTS | MFG/CATALOG #  | NOTES  |
|--|--|--------------------|----------------------------|---|------------------|--------------|--------------------------------------|--|-------------|--|--|
| A  | SURFACE MOUNT LED STRIPLIGHT; NOMINAL 4-INCH WIDE X 4-INCH HIGH X 24-INCH LONG   | COLD ROLLED STEEL  | ROUND Frosted ACRYLIC LENS | CEILING MOUNTED   | WHITE            | UL DAMP      | INTEGRAL DRIVER                      | 4000 NOMINAL LUMENS; 3500K LED; 80 CRI | 30          | LITHONIA CLX SERIES, OR APPROVED                     | PROVIDE WITH INTEGRAL OCCUPANCY SENSOR                       |
| A-E  | SAME AS TYPE 'A' EXCEPT WITH INTEGRAL EMERGENCY BATTERY BACK-UP FOR MINIMUM 1100 LUMEN OUTPUT  |                    |                            |   |                  |              |                                      |  |             |  |  |
| B1   | DECORATIVE LED WALL SCONCE, 12-INCH WIDE X 12-INCH HIGH X 4-INCH DEEP  | 18 GAUGE STEEL     | LUMINOUS WHITE ACRYLIC     | WALL; 7'-6" TO CENTER                                   | SILVER           | UL DAMP      | INTEGRAL DRIVER                      | 1200 NOMINAL LUMENS; 3000K LED         | 22          | TERON LIGHTING ECLIPSE S RNG LED SERIES, OR APPROVED |  |
| B2   | VANITY LED WALL SCONCE, 24-INCH WIDE X 6-INCH HIGH X 4-INCH DEEP   | 18 GAUGE STEEL     | LUMINOUS WHITE ACRYLIC     | WALL; 6'-8" TO CENTER                                   | SILVER           | UL DAMP      | INTEGRAL DRIVER                      | 3500 NOMINAL LUMENS; 3000K LED         | 33          | TERON LIGHTING CAPRI LED 24" SERIES, OR APPROVED     |  |
| B3   | VANITY LED WALL SCONCE, 36-INCH WIDE X 6-INCH HIGH X 4-INCH DEEP   | 18 GAUGE STEEL     | LUMINOUS WHITE ACRYLIC     | WALL; 6'-8" TO CENTER                                   | SILVER           | UL DAMP      | INTEGRAL DRIVER                      | 5000 NOMINAL LUMENS; 3000K LED         | 35          | TERON LIGHTING CAPRI LED 24" SERIES, OR APPROVED     |  |
| C1   | DECORATIVE LED WALL SCONCE WITH REMOTE BATTERY BACK-UP, 12-INCH WIDE X 12-INCH HIGH X 4-INCH DEEP  | 18 GAUGE STEEL     | LUMINOUS WHITE ACRYLIC     | WALL; 7'-6" TO CENTER                                   | SILVER           |              | INTEGRAL DRIVER                      | 2400 NOMINAL LUMENS; 3000K LED         | 25          | TERON LIGHTING ECLIPSE S RNG LED SERIES, OR APPROVED |  |
| C2   | DECORATIVE LED WALL SCONCE, 7-INCH WIDE X 7-INCH HIGH X 4-INCH DEEP  | 18 GAUGE STEEL     | LUMINOUS WHITE ACRYLIC     | WALL; 7'-6" TO CENTER                                   | SILVER           |              | INTEGRAL DRIVER                      | 1600 NOMINAL LUMENS; 3000K LED         | 10.5        | TERON LIGHTING TIGER M LED SERIES, OR APPROVED       |  |
| D1   | RECESSED ROUND LED DOWNLIGHT, 8-INCH DIAMETER  | EXTRUDED ALUMINUM  | SOFT FOCUS LENS            | RECESSED  | WHITE            | UL DAMP      | INTEGRAL DRIVER; 0-10V DIMMING TO 1% | 3000 NOMINAL LUMENS; 3500K LED; 80CRI  | 30          | GOATHAM EVO SERIES, OR APPROVED                      |  |
| D1-E   | SAME AS TYPE 'D1' EXCEPT WITH INTEGRAL EMERGENCY BATTERY BACK-UP FOR MINIMUM 800 LUMEN OUTPUT  |                    |                            |   |                  |              |                                      |  |             |  |  |
| D2   | RECESSED ROUND LED DOWNLIGHT, 8-INCH DIAMETER  | EXTRUDED ALUMINUM  | SOFT FOCUS LENS            | RECESSED  | WHITE            | UL DAMP      | INTEGRAL DRIVER; 0-10V DIMMING TO 1% | 2000 NOMINAL LUMENS; 3500K LED; 80CRI  | 20          | GOATHAM EVO SERIES, OR APPROVED                      |  |
| D2-E   | SAME AS TYPE 'D2' EXCEPT WITH INTEGRAL EMERGENCY BATTERY BACK-UP FOR MINIMUM 800 LUMEN OUTPUT  |                    |                            |   |                  |              |                                      |  |             |  |  |
| X  | UNIVERSAL THIN PROFILE LED EXIT SIGN WITH INTEGRAL EMERGENCY BATTERY BACK-UP. NOMINAL 12-INCH WIDE X 8.5-INCH TALL X 0.5-INCH DEEP. CHEVRONS AS INDICATED ON DRAWINGS; SINGLE OR DUAL FACED AS INDICATED ON DRAWINGS | DICE CAST ALUMINUM | NA                         | REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING CONDITIONS | BRUSHED ALUMINUM | UL DAMP      | INTEGRAL DRIVER                      | GREEN LETTERING; LED                   | 2           | EVENLITE RAZOR MK3, ISOLITE, OR APPROVED             | CONTRACTOR TO VERIFY BACK-BOX REQUIREMENTS PRIOR TO ROUGH-IN |
| NOTES:<br>1 THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.<br>2 DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.<br>3 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.<br>4 SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.<br>5 PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND DIMMABLE LED DRIVER INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.<br>6 REMOTE DRIVERS: UL LISTED FOR THEIR APPLICATION. DRIVERS MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER. |  |                    |                            |   |                  |              |                                      |  |             |  |  |



INTERFACE  
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SYMBOL LIST AND  
GENERAL NOTES -  
ELECTRICAL

REVISIONS

|      |  |
|------|--|
| E0.1 | SYMBOL LIST AND GENERAL NOTES - ELECTRICAL     |
| E1.0 | FIRST FLOOR PLAN - POWER                       |
| E1.1 | SECOND FLOOR PLAN - POWER                      |
| E1.2 | ROOF PLAN - POWER                              |
| E2.0 | FIRST FLOOR REFLECTED CEILING PLAN - LIGHTING  |
| E2.1 | SECOND FLOOR REFLECTED CEILING PLAN - LIGHTING |
| E4.0 | ENLARGED UNIT PLANS - POWER                    |
| E4.1 | ENLARGED ACCESSIBLE UNIT PLANS - POWER         |
| E4.2 | ENLARGED UNIT PLANS - LIGHTING                 |
| E4.3 | ENLARGED ACCESSIBLE UNIT PLANS - LIGHTING      |
| E5.1 | SINGLE LINE DIAGRAMS - ELECTRICAL              |
| E6.1 | SCHEDULES - ELECTRICAL                         |

DRAWN BY  
KCL

CHECKED BY  
MKO

JOB NO.  
2022-1372

DATE  
03/31/2023

SHEET NUMBER  
E0.1

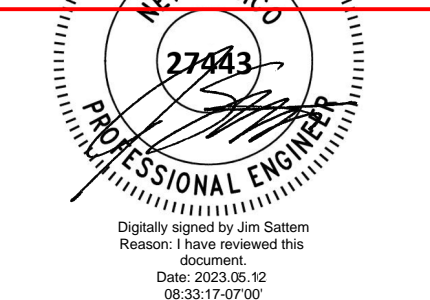




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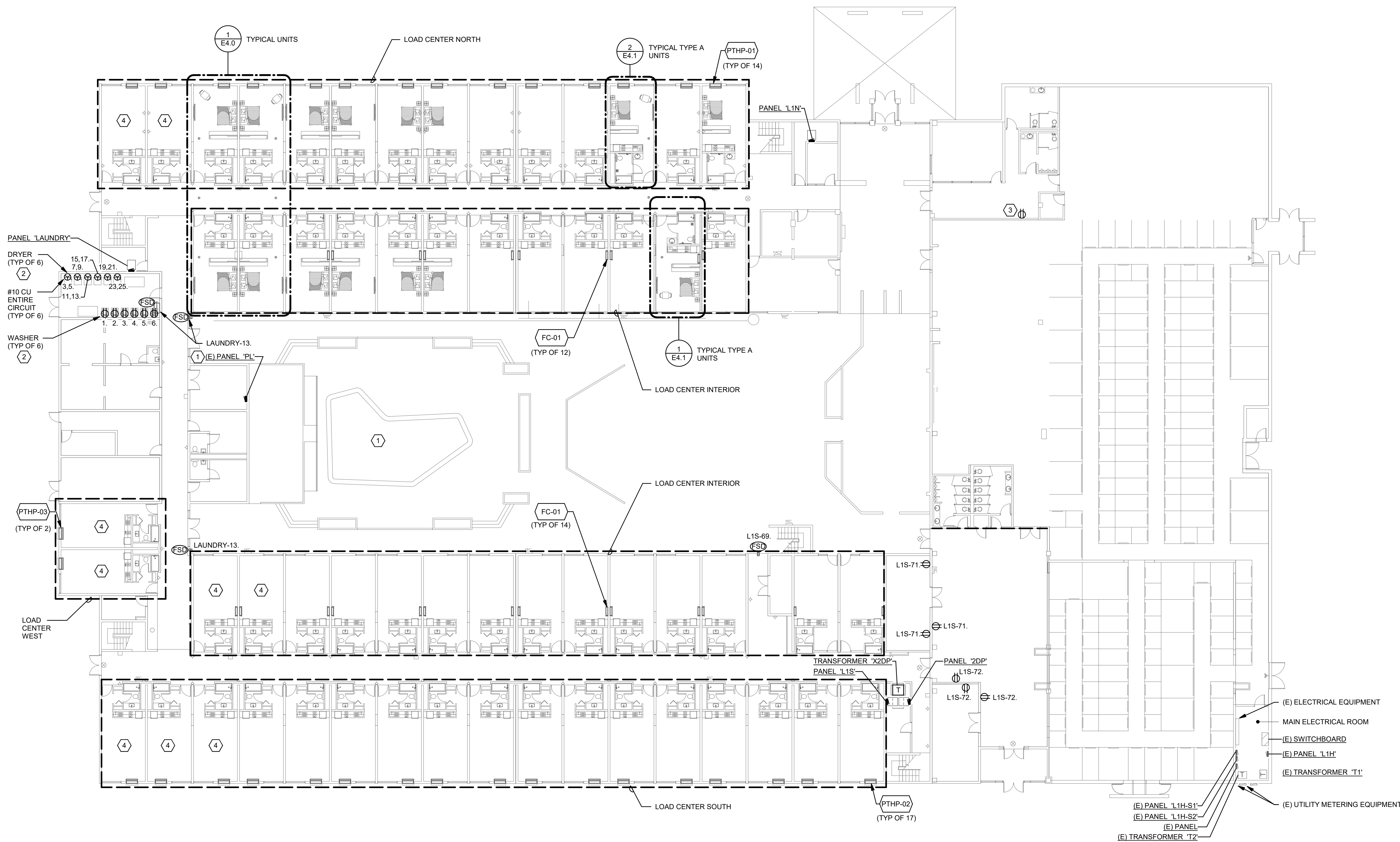


## GENERAL SHEET NOTES

- PROVIDE CIRCUIT AND RECEPTACLE IN FIRE SPRINKLER VAULT FOR SUMP PUMP AND 1-INCH CONDUIT FOR FIRE ALARM. COORDINATE WITH OWNER PROJECT MANAGER.
- PROVIDE NEW CONNECTION TO FC-01'S AND PTHP'S FROM ASSOCIATED UNIT LOAD CENTERS. REFER TO MECHANICAL DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.

## SHEET KEYNOTES

- UTILIZE EXISTING POOL PANEL 'PL' TO SERVE NEW POOL EQUIPMENT. POOL EQUIPMENT DESIGN AND CONNECTIONS BY POOL EQUIPMENT VENDOR.
- SERVE WASHERS / DRYERS FROM NEW PANEL 'LAUNDRY'.
- EXTEND CIRCUIT FROM NEAREST RECEPTACLE TO SERVE NEW RECEPTACLE.
- FEEDER TO UNIT LOAD CENTER UPSIZED FOR VOLTAGE DROP.



**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
2017 NATIONAL ELECTRICAL / NEW MEXICO  
ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES  
&  
ELECTRICAL SYSTEMS AND EQUIPMENT SHALL  
COMPLY WITH THE 2018 COMMERCIAL ENERGY  
CONSERVATION CODES FOR NEW MEXICO  
NMAC 14.7.9



## 1 FIRST FLOOR PLAN - POWER

0' 8' 16' 32'  
1/16" = 1'-0"

HAVEN LIVING  
3009 W HISTORIC HWY 66  
GALLUP, NM 87301

SHEET TITLE  
FIRST FLOOR PLAN -  
POWER

REVISIONS

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SHEET NUMBER

E1.0



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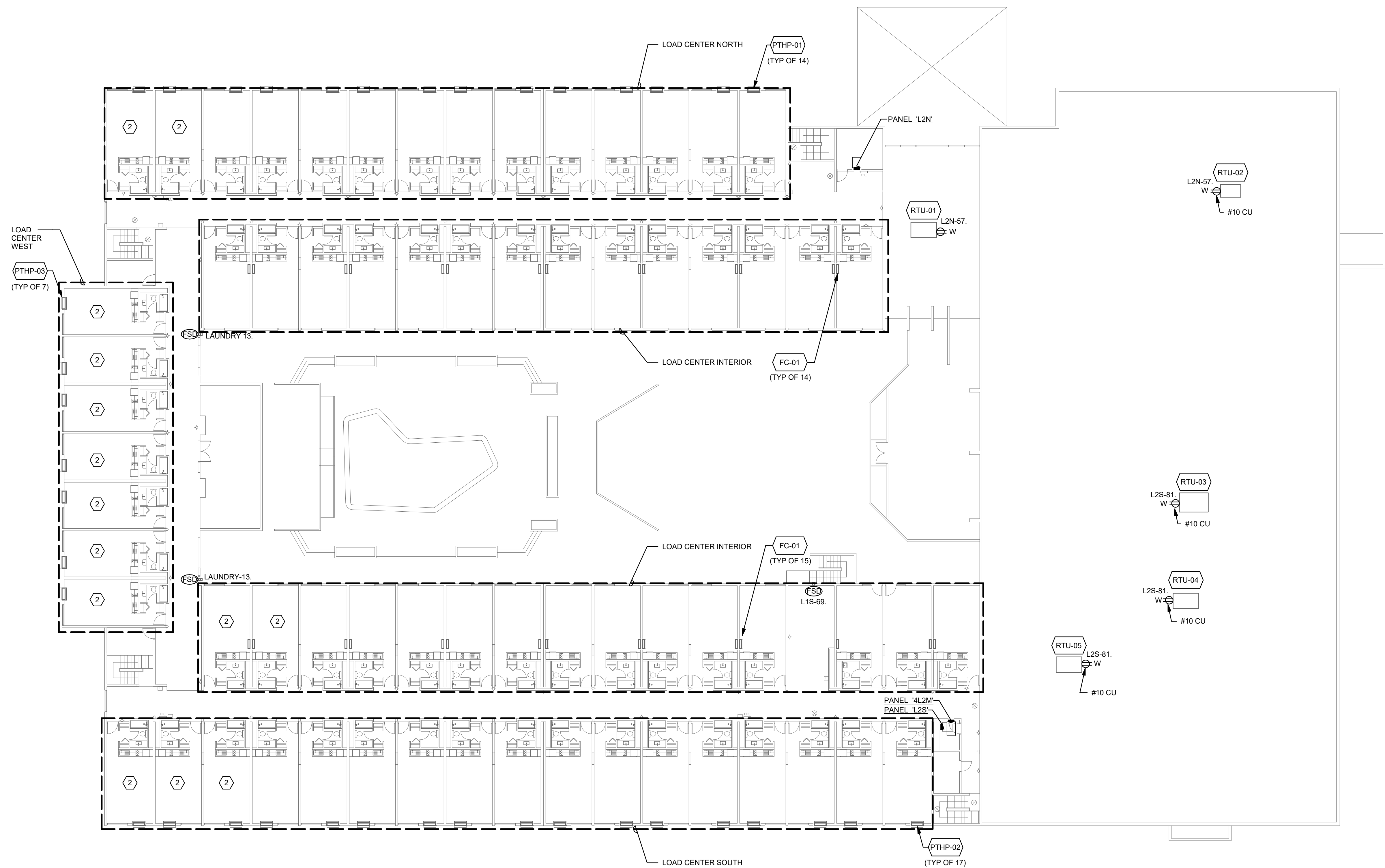


## GENERAL SHEET NOTES

- A. PROVIDE NEW CONNECTION TO RTU'S FROM MAIN ELECTRICAL SERVICE. REFER TO MECHANICAL DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.
- B. PROVIDE NEW CONNECTION TO FC-01'S AND PTHP'S FROM ASSOCIATED UNIT LOAD CENTERS. REFER TO MECHANICAL DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.

## SHEET KEYNOTES

1. NOT USED.
2. FEEDER TO UNIT LOAD CENTER UPSIZED FOR VOLTAGE DROP.



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ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES  
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CONSERVATION CODES FOR NEW MEXICO  
NMAC 14.7.9



## 1 SECOND FLOOR PLAN - POWER

0' 8' 16' 32'  
1/16" = 1'-0"

HAVEN LIVING  
3009 W HISTORIC HWY 66  
GALLUP, NM 87301

SHEET TITLE  
SECOND FLOOR PLAN -  
POWER

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SHEET NUMBER

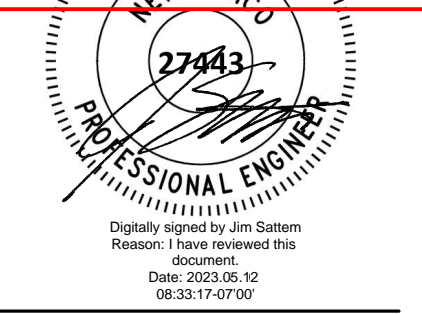
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INTERFACE  
ENGINEERING

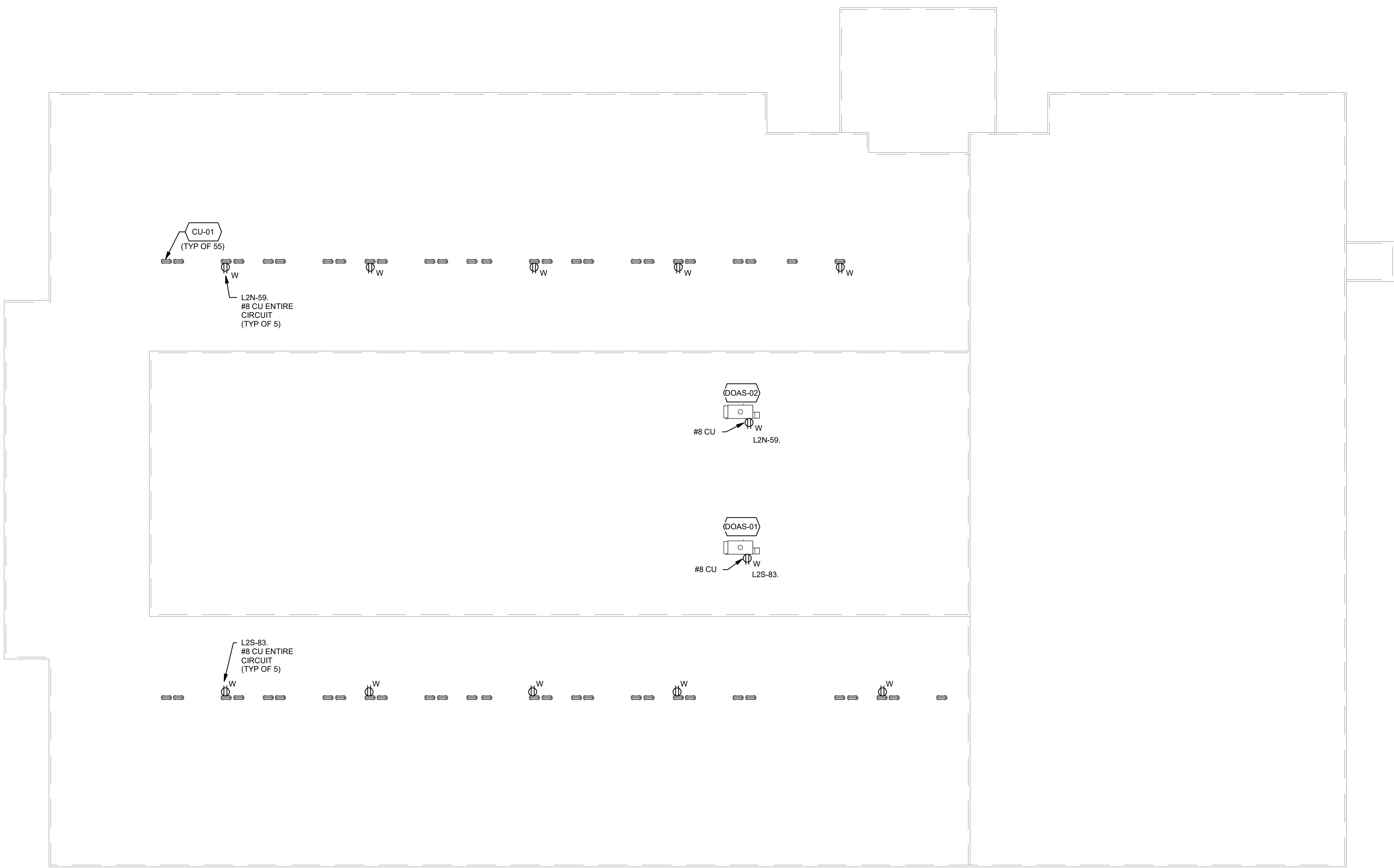
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GENERAL SHEET NOTES

- A. PROVIDE NEW CONNECTION TO DOAS UNITS FROM MAIN ELECTRICAL SERVICE. REFER TO MECHANICAL DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.
- B. PROVIDE NEW CONNECTION TO CONDENSING UNITS CU-01 FROM ASSOCIATED UNIT LOAD CENTERS. REFER TO MECHANICAL DRAWINGS FOR FINAL EQUIPMENT LOCATIONS.



**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
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NMAC 14.7.9



1 ROOF PLAN - POWER

0' 8' 16' 32'  
1/16" = 1'-0"

HAVEN LIVING  
3009 W HISTORIC HWY 66  
GALLUP, NM 87301

SHEET TITLE  
ROOF PLAN - POWER

| REVISIONS |  |
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JOB NO. 2022-1372  
DATE 03/31/2023  
SHEET NUMBER

E1.2

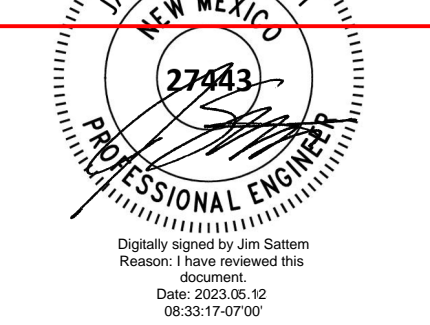




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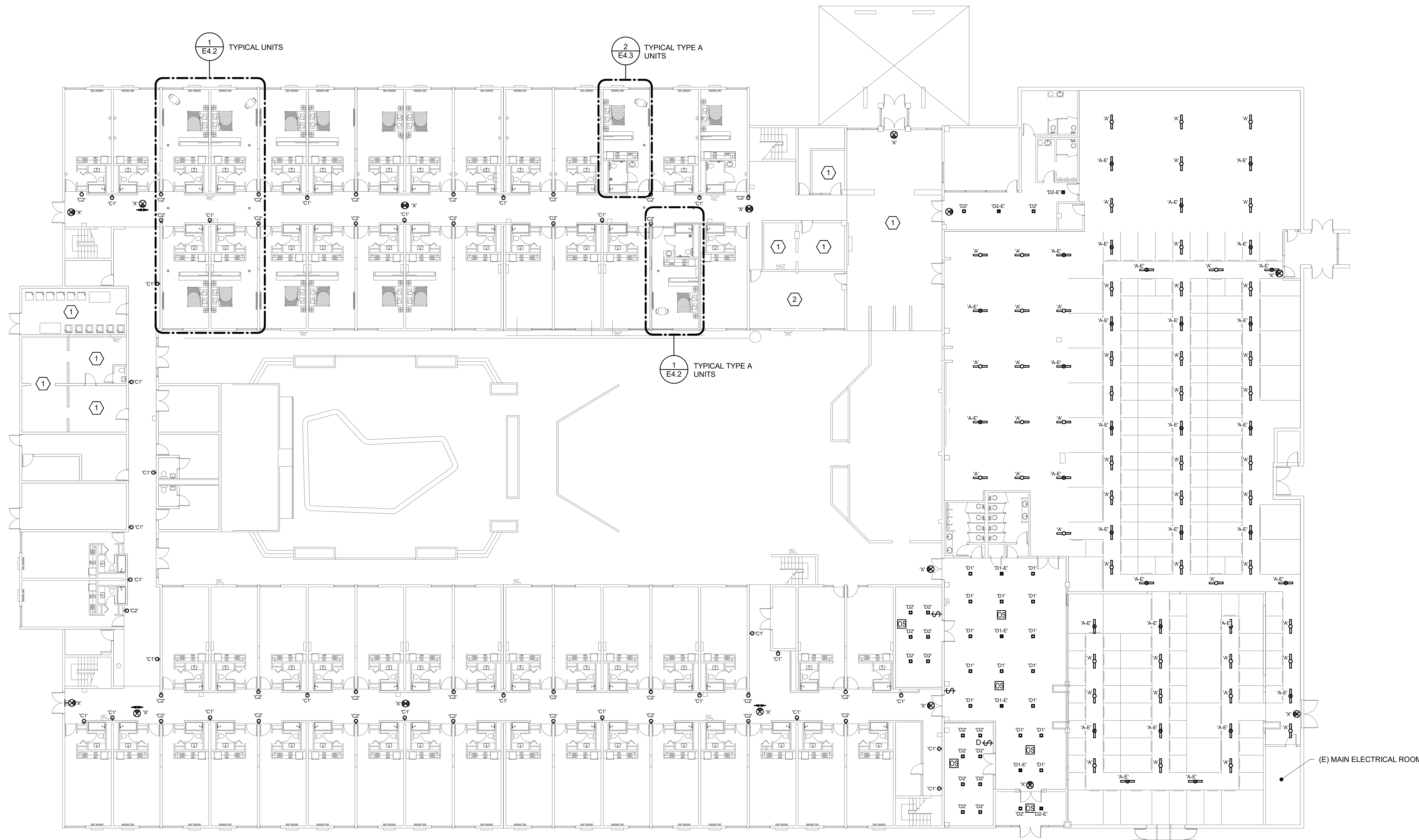


## GENERAL SHEET NOTES

- UTILIZE EXISTING CIRCUITS FROM DEMOLISHED LIGHTING TO SERVE NEW LIGHTS.
- UTILIZE EXISTING LIGHTING CONTROLS IN CORRIDORS SERVING RESIDENTIAL UNITS.
- FOR ALL TYPE 'C'1' FIXTURE, PROVIDE REMOTE EMERGENCY BATTERIES TO MEET MINIMUM 1FC AT ALL EGRESS PATHS. LOCATE EMERGENCY BATTERIES IN ACCESSIBLE CEILING SPACE ABOVE FIXTURE.

## SHEET KEYNOTES

- PROVIDE NEW LIGHTING IN AREA PER ARCHITECTURAL DIRECTION. UTILIZE EXISTING CIRCUITS FROM DEMOLISHED LIGHTING TO SERVE NEW LIGHTS. UTILIZE EXISTING CONTROLS TO SERVE AREA.
- PROVIDE NEW LIGHTING IN AREA PER ARCHITECTURAL DIRECTION. UTILIZE EXISTING CIRCUITS FROM DEMOLISHED LIGHTING TO SERVE NEW LIGHTS. REVISE LIGHTING CONTROLS TO CONTROL BOTH AREAS DUE TO REMOVAL OF WALL.



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## 1 FIRST FLOOR REFLECTED CEILING PLAN - LIGHTING

0' 8' 16' 32'  
1/16" = 1'-0"

HAVEN LIVING  
3009 W HISTORIC HWY 66  
GALLUP, NM 87301

SHEET TITLE  
FIRST FLOOR  
REFLECTED CEILING  
PLAN - LIGHTING

REVISIONS

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## 1 SECOND FLOOR REFLECTED CEILING PLAN - LIGHTING

0' 8' 16' 32'

1/16" = 1'-0"

HAVEN LIVING

3009 W HISTORIC HWY F 66  
GALLUP, NM 87301

## COND FLOOR REFLECTED CEILING PLAN - LIGHTING

## DISCUSSION

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## E2.1



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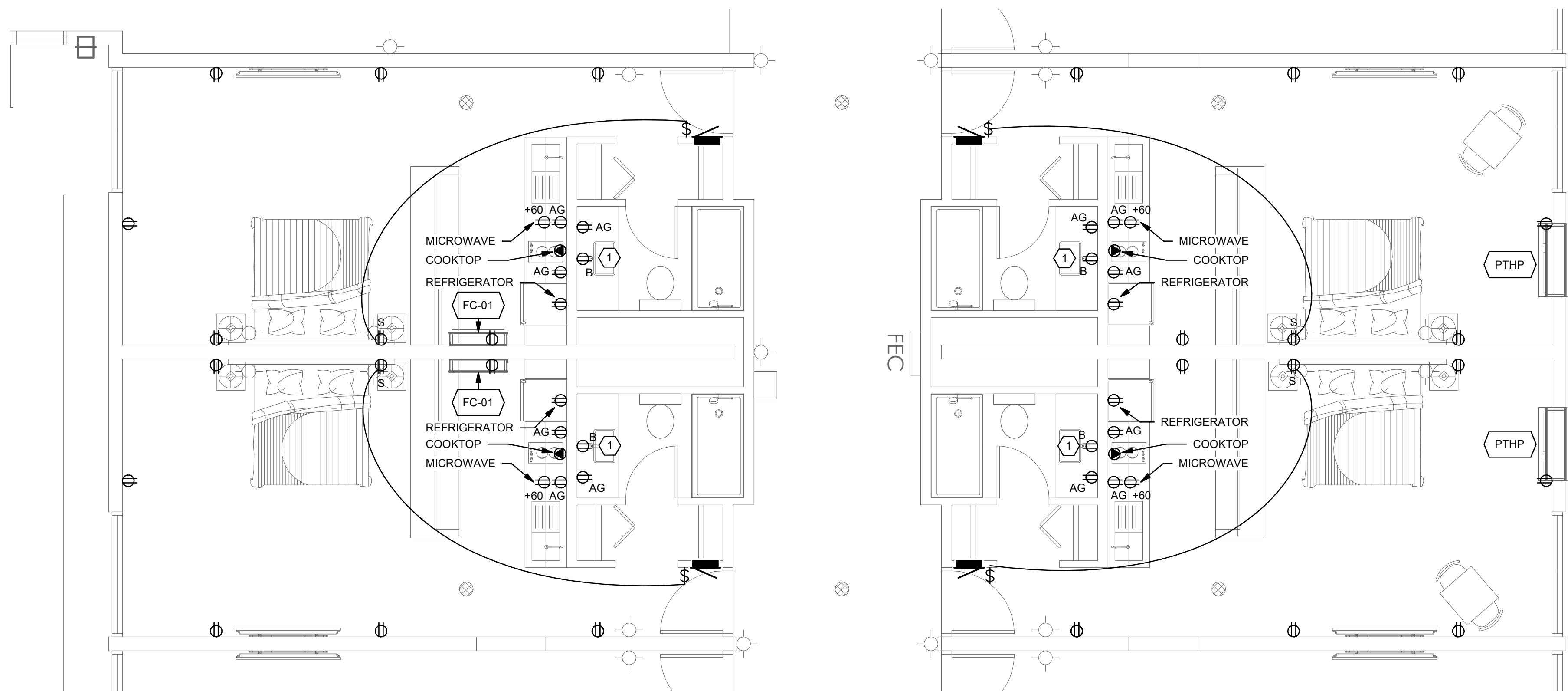


## GENERAL SHEET NOTES

- A. PROVIDE 100-AMP, 208-VOLT / 1-PHASE, 16-CIRCUIT LOAD CENTER IN EACH DWELLING UNIT.
- B. PROVIDE ARC-FAULT CIRCUIT BREAKERS FOR ALL 120-VOLT, 1-PHASE, 15-AMP AND 20-AMP BRANCH CIRCUITS.
- C. ALL RECEPTACLES IN DWELLING UNITS TO BE TAMPER RESISTANT TYPE.
- D. PROVIDE COMBINATION TYPE AFCI AND GFCI CIRCUIT BREAKER IN PANEL FOR RECEPTACLES WHERE EQUIPMENT BLOCKS THE TEST SWITCH DEVICES.
- E. PROVIDE RECEPTACLES IN DWELLING UNITS SO THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE OF ANY WALL SPACE IS MORE THAN 6-FEET FROM A RECEPTACLE.
- F. REFER TO SHEET E6.1 FOR TYPICAL PANEL SCHEDULES.

## SHEET KEYNOTES

1. VANITY MIRROR (ADL-4836JZ BY OTHERS) WITH INTEGRAL TOUCH SENSOR AND DIMMER. COORDINATE WITH OWNER PROJECT MANAGER FOR RECEPTACLE LOCATION. CIRCUIT DOWNSTREAM OF GFCI PROTECTED RECEPTACLE.



1 FLOOR PLAN TYPICAL UNITS - POWER

0' 2' 4' 6'  
1/4" = 1'-0"

**NOTE**  
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HAVEN LIVING  
3009 W HISTORIC HWY 66  
GALLUP, NM 87301

SHEET TITLE  
ENLARGED UNIT PLANS  
- POWER

| REVISIONS |  |
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E4.0





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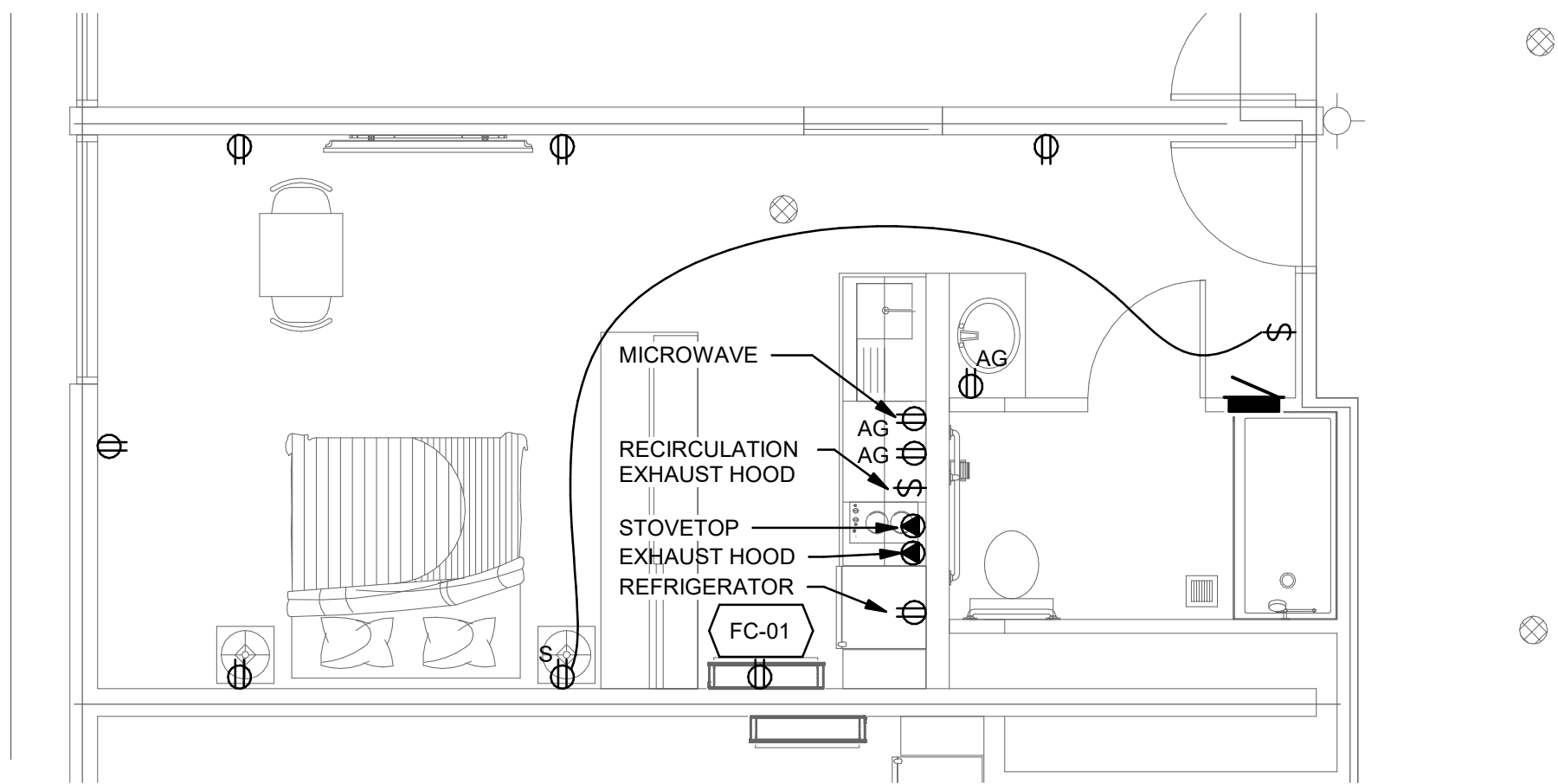
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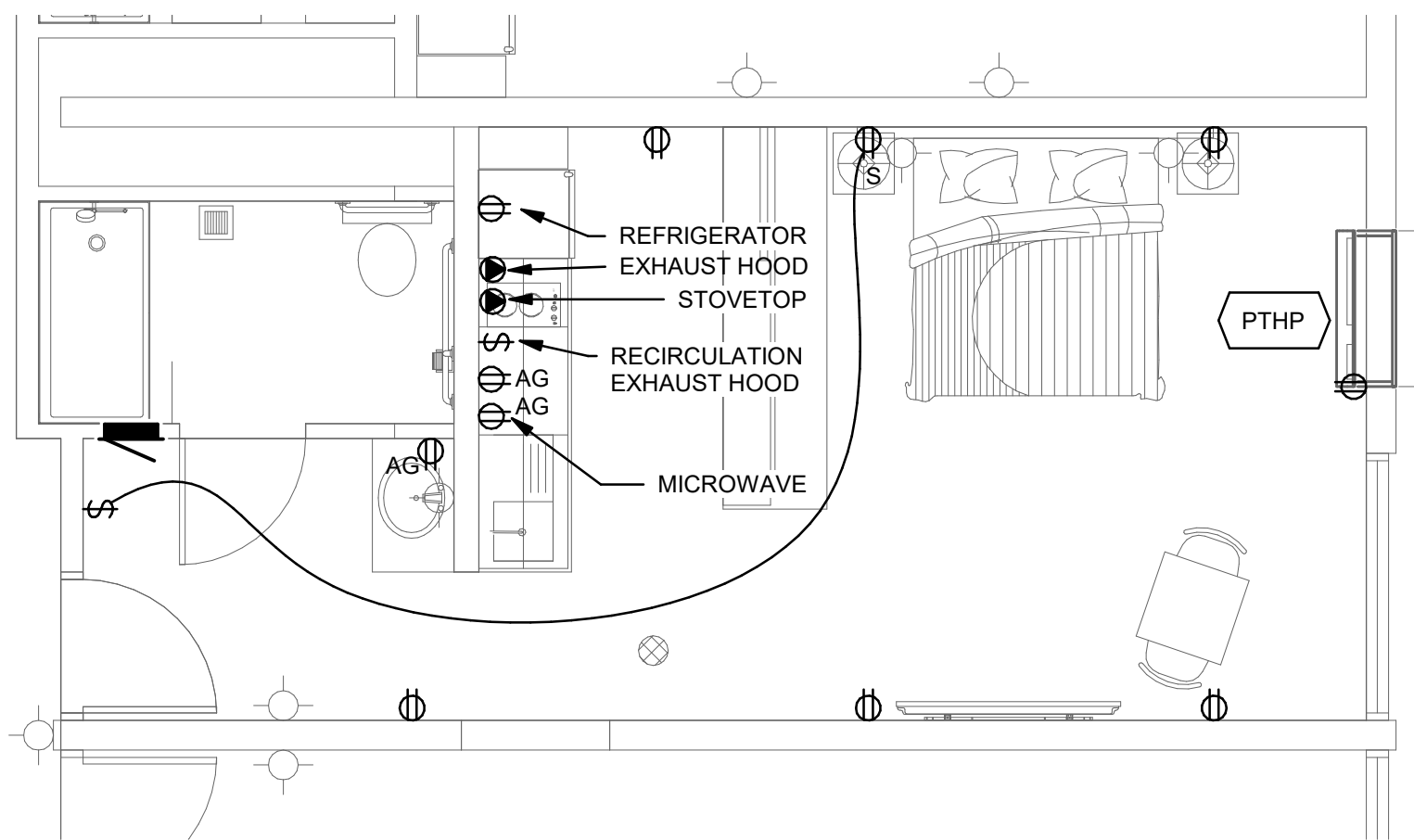
GENERAL SHEET NOTES

- A. PROVIDE 100-AMP, 208-VOLT / 1-PHASE, 16-CIRCUIT LOAD CENTER IN EACH DWELLING UNIT.
- B. PROVIDE ARC-FAULT CIRCUIT BREAKERS FOR ALL 120-VOLT, 1-PHASE, 15-AMP AND 20-AMP BRANCH CIRCUITS.
- C. ALL RECEPTACLES IN DWELLING UNITS TO BE TAMPER RESISTANT TYPE.
- D. PROVIDE COMBINATION TYPE AFCI AND GFCI CIRCUIT BREAKER IN PANEL FOR RECEPTACLES WHERE EQUIPMENT BLOCKS THE TEST SWITCH DEVICES.
- E. PROVIDE RECEPTACLES IN DWELLING UNITS SO THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE OF ANY WALL SPACE IS MORE THAN 6 FEET FROM A RECEPTACLE.
- F. REFER TO SHEET EB.1 FOR TYPICAL PANEL SCHEDULES.



1 ENLARGED FLOOR PLAN TYPE A UNIT - POWER

0' 2' 4' 8'  
1/4" = 1'-0"



2 ENLARGED FLOOR PLAN TYPE A UNIT - POWER

0' 2' 4' 8'  
1/4" = 1'-0"

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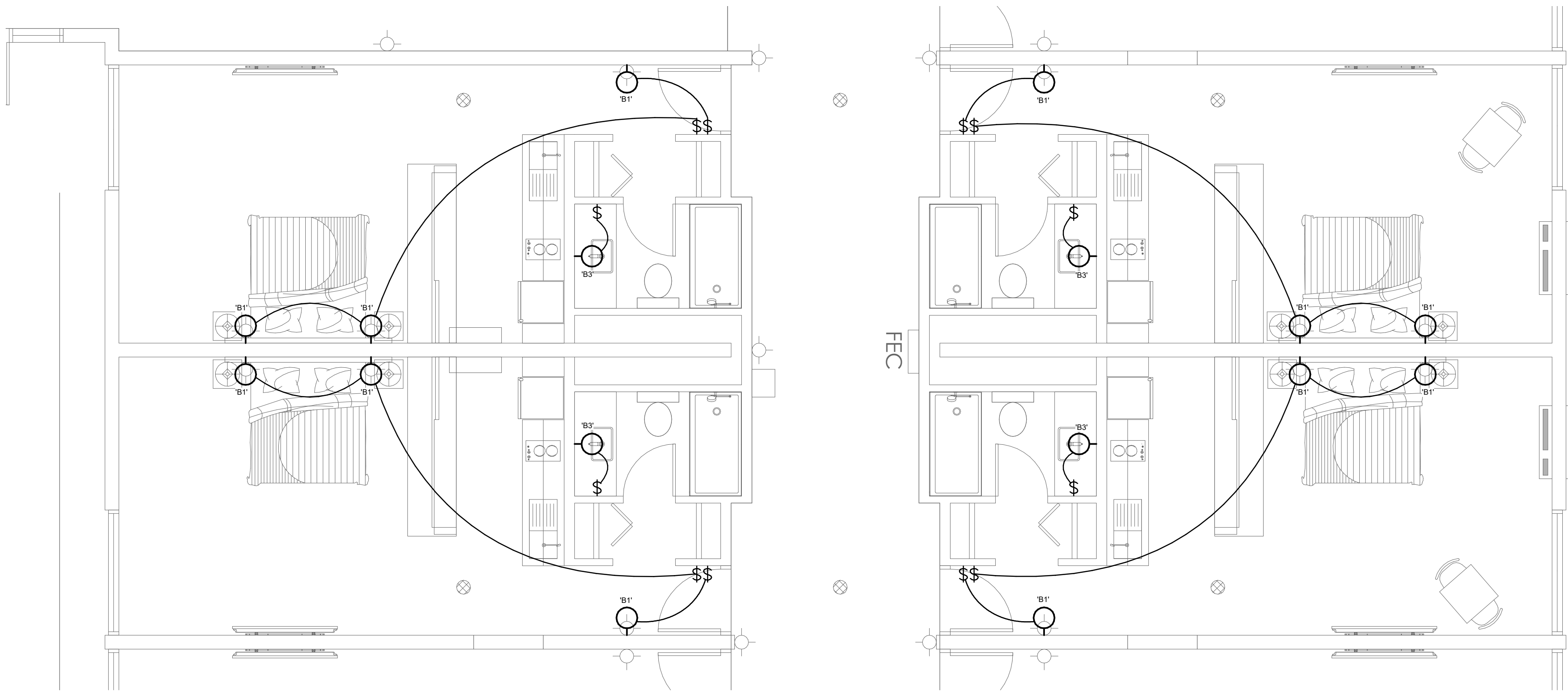
SHEET TITLE  
ENLARGED ACCESSIBLE  
UNIT PLANS - POWER

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1 REFLECTED CEILING PLAN TYPICAL UNITS - LIGHTING



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SHEET TITLE  
ENLARGED UNIT PLANS  
- LIGHTING


| REVISIONS |  |
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| DATE         | 03/31/2023 |
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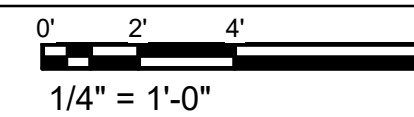
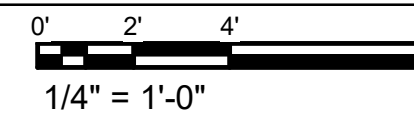
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**HAVEN LIVING**  
3009 W HISTORIC HWY 66  
GALLUP, NM 87301

# LARGED ACCESSIBLE T PLANS - LIGHTING

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| E         | 03/31/2023 |
| ET NUMBER |            |

### E4.3



| GROUNDING ELECTRODE CONDUCTOR<br>FOR AC SYSTEMS  |                                     |   |  |
|--|-------------------------------------|---|--|
| SIZE OF LARGEST SERVICE ENTRANCE CONDUCTOR OR<br>EQUIVALENT AREA FOR PARALLEL CONDUCTORS (AWG/kcmil) |                                     | PER TABLE 250.66 N.E.C.<br>SIZE OF GROUNDING<br>ELECTRODE CONDUCTOR |  |
| COPPER   | ALUMINUM OR COPPER-CLAD<br>ALUMINUM | COOPER  | ALUMINUM OR<br>COPPER-CLAD<br>ALUMINUM |
| 2 OR SMALLER   | 1/0 OR SMALLER                      | 8   | 6                                      |
| 1 OR 1/0   | 2/0 OR 3/0                          | 6   | 4                                      |
| 2/0 OR 3/0   | 4/0 OR 250 kcmil                    | 4   | 2                                      |
| 4/0 THRU 350 kcmil   | 300 kcmil THROUGH 500 kcmil         | 2   | 1/0                                    |
| 400 kcmil THROUGH 600 kcmil  | 600 kcmil THROUGH 900 kcmil         | 1/0   | 3/0                                    |
| 750 kcmil THROUGH 1100 kcmil   | 1000 kcmil THROUGH 1750 kcmil       | 2/0   | 4/0                                    |
| OVER 1100 kcmil  | OVER 1750 kcmil                     | 3/0   | 250                                    |

WHERE MULTIPLE SETS OF SERVICE-ENTRANCE CONDUCTORS ARE USED AS PERMITTED IN N.E.C. ARTICLE 230.40, EXCEPTION NO. 2, THE EQUIVALENT SIZE OF THE LARGEST SERVICE-ENTRANCE CONDUCTOR SHALL BE DETERMINED BY THE SUM OF THE AREAS OF THE CORRESPONDING CONDUCTORS OF EACH SET. WHERE THERE ARE NO SERVICE-ENTRANCE CONDUCTORS, THE GROUNDING ELECTRODE CONDUCTOR SIZE SHALL BE DETERMINED BY THE EQUIVALENT SIZE OF THE LARGEST SERVICE ENTRANCE CONDUCTOR REQUIRED FOR THE LOAD TO BE SERVED. SIZE THE MAIN BONDING JUMPER PER NEC 250.102 (C)(1)

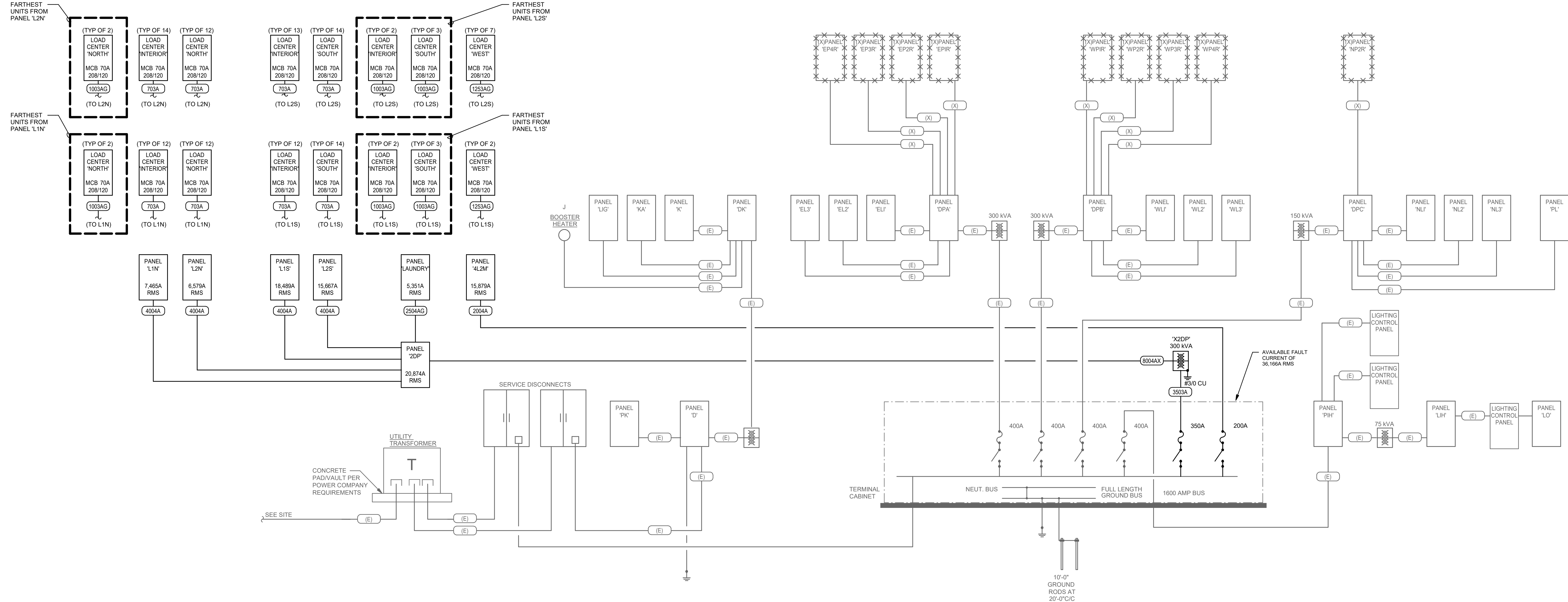
| AIC RATINGS SCHEDULE<br>PANELBOARDS AND SWITCHBOARDS |   |
|--|---|
| 120/208/240V   | UP TO 125 AMPS: 10KAIC MINIMUM<br>200 TO 400 AMPS: 14KAIC MINIMUM<br>600 TO 1200 AMPS: 42KAIC MINIMUM<br>1600 TO 2000 AMPS: 65KAIC MINIMUM<br>2500 TO 4000 AMPS: 65KAIC MINIMUM |
| 277/480V   | UP TO 125 AMPS: 14KAIC MINIMUM<br>200 TO 400 AMPS: 22KAIC MINIMUM<br>600 TO 1200 AMPS: 42KAIC MINIMUM<br>1600 TO 2000 AMPS: 65KAIC MINIMUM<br>2500 TO 4000 AMPS: 65KAIC MINIMUM |

| FEEDER SCHEDULE |   |
|-----------------|---|
| A.C.S.X         | A=Aluminum<br>C=Conduit only<br>X=Separately derived system<br>G=Upsized ground due to voltage drop |
| (E)             | EXISTING FEEDER   |
| (X)             | DEMOLISH FEEDER   |
| 703A            | 3 #2 AL, 1 #6 CU GND., IN 1 1/4" C.   |
| 1003AG          | 3 #1/0 AL, 1 #6 CU GND., IN 1 1/2" C.   |
| 1253AG          | 3 #2/0 AL, 1 #4 CU GND., IN 1 1/2" C.   |
| 2004A           | 4 - 250 kcmil AL, 1 #6 CU GND., IN 2 1/2" C.  |
| 2504AG          | 4 - 350 kcmil AL, 1 #4 CU GND., IN 3" C.  |
| 3503A           | 2 SETS OF (3 #4/0 AL, 1 #2 CU GND., IN 2" C.)   |
| 4004A           | 2 SETS OF (4 - 250 kcmil AL, 1 #2 CU GND., IN 2 1/2" C.)  |
| 8004AX          | 3 SETS OF (4 - 400 kcmil AL, 1 #3/0 CU GND., IN 3" C.)  |

## GENERAL SHEET NOTES

- A. MEASURE LOAD OF MAIN SWITCHBOARD FOR MINIMUM 30-DAY PERIOD MEETING NEC 220.87 REQUIREMENTS. SUBMIT MEASUREMENTS TO ARCHITECT FOR ENGINEER REVIEW OF LOADS ON SWITCHBOARD.
- B. MAXIMUM FAULT CURRENT CALCULATED FOR UNIT LOAD CENTERS IS 6,102A RMS.
- C. PROVIDE (4) NEW 250-AMP, 208-VOLT / 3-PHASE DISTRIBUTION PANELBOARDS TO SERVE NEW UNIT LOAD CENTERS. DISTRIBUTION PANELBOARDS TO SERVE THE FOLLOWING QUANTITY OF UNIT LOAD CENTERS.
- LEVEL 1, NORTH: (12) INTERIOR UNITS; (14) NORTH UNITS  
LEVEL 1, SOUTH: (14) INTERIOR UNITS; (17) SOUTH UNITS; (2) WEST UNITS  
LEVEL 2, NORTH: (14) INTERIOR UNITS; (14) NORTH UNITS  
LEVEL 2, SOUTH: (15) INTERIOR UNITS; (17) SOUTH UNITS; (7) WEST UNITS

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Professional Engineer  
Electrical  
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**HAVEN LIVING**  
3009 W HISTORIC HWY 86  
GALLUP, NM 87301

SHEET TITLE  
SCHEDULES -  
ELECTRICAL

REVISIONS

DRAWN BY  
KCL

CHECKED BY  
MKO

JOB NO.  
2022-1372

DATE  
03/31/2023

SHEET NUMBER

E6.1

## MECHANICAL EQUIPMENT CONNECTION SCHEDULE

| ITEM    | DESCRIPTION                 | LOCATION       | VOLTS / PHASE | LOAD | MCA  | MOCP | WIRE / CONDUIT | CIRCUIT        | NOTES |
|---------|-----------------------------|----------------|---------------|------|------|------|----------------|----------------|-------|
| DOAS-1  | DUCT HEATER                 | ROOF           | 480/3         |      | 13.8 | 20   | 203            | 4L2M-1.3.5     |       |
| DOAS-2  | DUCT HEATER                 | ROOF           | 480/3         |      | 13.8 | 20   | 203            | 4L2M-7.9.11.   |       |
| RTU-01  | ROOFTOP UNIT                | ENTRY / ADMIN  | 480/3         |      | 18   | 20   | 203            | 4L2M-2.4.6     |       |
| RTU-02  | ROOFTOP UNIT                | COMMON AREA    | 480/3         |      | 10   | 15   | 203            | 4L2M-8.10.12.  |       |
| RTU-03  | ROOFTOP UNIT                | NORTH STORAGE  | 480/3         |      | 33   | 45   | 403            | 4L2M-14.16.18. |       |
| RTU-04  | ROOFTOP UNIT                | SOUTH STORAGE  | 480/3         |      | 18   | 20   | 203            | 4L2M-20.22.24. |       |
| RTU-05  | ROOFTOP UNIT                | GYM            | 480/3         |      | 18   | 20   | 203            | 4L2M-26.28.30. |       |
| CU-01   | CONDENSING UNIT             | INTERIOR UNITS | 208/1         |      | 10   | 15   | 202            | UNIT PANEL     |       |
| FC-01   | FAN COIL                    | INTERIOR UNITS | 208/1         |      |      |      | 202            | UNIT PANEL     | 1     |
| PTHP-01 | PACKAGED TERMINAL HEAT PUMP | NORTH UNITS    | 208/1         |      | 14.1 | 15   | 202            | UNIT PANEL     |       |
| PTHP-02 | PACKAGED TERMINAL HEAT PUMP | SOUTH UNITS    | 208/1         |      | 19.5 | 20   | 202            | UNIT PANEL     |       |
| PTHP-03 | PACKAGED TERMINAL HEAT PUMP | WEST UNITS     | 208/1         |      | 27.6 | 30   | 302            | UNIT PANEL     |       |

### GENERAL MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

- A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.
- B. MOCP = MAXIMUM OVER CURRENT PROTECTION  
MCA = MINIMUM CIRCUIT AMPACITY
- C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

### MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

- 1 SERVED FROM ASSOCIATED CONDENSING UNIT

### WIRE / CONDUIT SCHEDULE

- 202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.  
203 3 #12 CU, 1 #12 CU GND., IN 3/4" C.  
302 2 #10 CU, 1 #10 CU GND., IN 3/4" C.  
403 3 #8 CU, 1 #10 CU GND., IN 3/4" C.

## Panel 'Interior Unit'

| Ckt. No.           | Description / Location   | Load (VA)/Type | C.B. A/Pole | Note    | Ph.                     | Note    | C.B. A/Pole      | Load (VA)/Type | Description / Location | Ckt. No. |
|--------------------|--------------------------|----------------|-------------|---------|-------------------------|---------|------------------|----------------|------------------------|----------|
| 1                  | R - KITCHEN              | 1,500 R        | 201         | A       | 152                     | 832 M   | CU-01 / FC-01    | 2              |                        | 2        |
| 3                  | R - KITCHEN              | 1,500 R        | 201         | C       | -                       | 832 M   | -                | 4              |                        | 4        |
| 5                  | COOKTOP - KITCHEN        | 900 K          | 202         | A       | 201                     | 66 L    | L - LIVING SPACE | 6              |                        | 6        |
| 9                  | R - RESTROOM EXHAUST FAN | 360 R          | 201         | A       |                         |         | SPARE            | 10             |                        | 10       |
| 11                 | R - LIVING SPACE         | 1,260 R        | 201         | C       |                         |         | SPARE            | 12             |                        | 12       |
| 13                 | BUSSED SPACE             |                |             | A       |                         |         | BUSSED SPACE     | 14             |                        | 14       |
| 15                 | BUSSED SPACE             |                |             | C       |                         |         | BUSSED SPACE     | 16             |                        | 16       |
| Connected Load:    |                          | Ph. A          | 3,658 VA    | 30 Amps | Panel Connected Load:   |         | 8.2 KVA          | 39.2 Amps      |                        |          |
| Connected Load:    |                          | Ph. C          | 4,492 VA    | 37 Amps | Sub-Fed Connected Load: |         | 0.0 KVA          | 0.0 Amps       |                        |          |
| Total Demand Load: |                          |                |             |         |                         | 8.8 KVA |                  | 41.3 Amps      |                        |          |

## Panel 'North Unit'

| Ckt. No.           | Description / Location   | Load (VA)/Type | C.B. A/Pole | Note    | Ph.                     | Note    | C.B. A/Pole      | Load (VA)/Type | Description / Location | Ckt. No. |
|--------------------|--------------------------|----------------|-------------|---------|-------------------------|---------|------------------|----------------|------------------------|----------|
| 1                  | R - KITCHEN              | 1,500 R        | 201         | A       | 152                     | 1,173 M | PTHP-01          | 2              |                        | 2        |
| 3                  | R - KITCHEN              | 1,500 R        | 201         | C       | -                       | 1,173 M | -                | 4              |                        | 4        |
| 5                  | COOKTOP - KITCHEN        | 900 K          | 202         | A       | 201                     | 66 L    | L - LIVING SPACE | 6              |                        | 6        |
| 9                  | R - RESTROOM EXHAUST FAN | 360 R          | 201         | A       |                         |         | SPARE            | 10             |                        | 10       |
| 11                 | R - LIVING SPACE         | 1,260 R        | 201         | C       |                         |         | SPARE            | 12             |                        | 12       |
| 13                 | BUSSED SPACE             |                |             | A       |                         |         | BUSSED SPACE     | 14             |                        | 14       |
| 15                 | BUSSED SPACE             |                |             | C       |                         |         | BUSSED SPACE     | 16             |                        | 16       |
| Connected Load:    |                          | Ph. A          | 3,999 VA    | 33 Amps | Panel Connected Load:   |         | 8.8 KVA          | 42.5 Amps      |                        |          |
| Connected Load:    |                          | Ph. C          | 4,833 VA    | 40 Amps | Sub-Fed Connected Load: |         | 0.0 KVA          | 0.0 Amps       |                        |          |
| Total Demand Load: |                          |                |             |         |                         | 9.4 KVA |                  | 45.4 Amps      |                        |          |

## Panel 'South Unit'

| Ckt. No.           | Description / Location   | Load (VA)/Type | C.B. A/Pole | Note    | Ph.                     | Note     | C.B. A/Pole      | Load (VA)/Type | Description / Location | Ckt. No. |
|--------------------|--------------------------|----------------|-------------|---------|-------------------------|----------|------------------|----------------|------------------------|----------|
| 1                  | R - KITCHEN              | 1,500 R        | 201         | A       | 202                     | 1,622 M  | PTHP-02          | 2              |                        | 2        |
| 3                  | R - KITCHEN              | 1,500 R        | 201         | C       | -                       | 1,622 M  | -                | 4              |                        | 4        |
| 5                  | COOKTOP - KITCHEN        | 900 K          | 202         | A       | 201                     | 66 L     | L - LIVING SPACE | 6              |                        | 6        |
| 9                  | R - RESTROOM EXHAUST FAN | 360 R          | 201         | A       |                         |          | SPARE            | 10             |                        | 10       |
| 11                 | R - LIVING SPACE         | 1,260 R        | 201         | C       |                         |          | SPARE            | 12             |                        | 12       |
| 13                 | BUSSED SPACE             |                |             | A       |                         |          | BUSSED SPACE     | 14             |                        | 14       |
| 15                 | BUSSED SPACE             |                |             | C       |                         |          | BUSSED SPACE     | 16             |                        | 16       |
| Connected Load:    |                          | Ph. A          | 4,448 VA    | 37 Amps | Panel Connected Load:   |          | 9.7 KVA          | 46.8 Amps      |                        |          |
| Connected Load:    |                          | Ph. C          | 5,282 VA    | 44 Amps | Sub-Fed Connected Load: |          | 0.0 KVA          | 0.0 Amps       |                        |          |
| Total Demand Load: |                          |                |             |         |                         | 10.6 KVA |                  | 50.8 Amps      |                        |          |

## Panel 'West Unit'

| Ckt. No.           | Description / Location   | Load (VA)/Type | C.B. A/Pole | Note    | Ph.                     | Note     | C.B. A/Pole      | Load (VA)/Type | Description / Location | Ckt. No. |
|--------------------|--------------------------|----------------|-------------|---------|-------------------------|----------|------------------|----------------|------------------------|----------|
| 1                  | R - KITCHEN              | 1,500 R        | 201         | A       | 302                     | 2,296 M  | PTHP-03          | 2              |                        | 2        |
| 3                  | R - KITCHEN              | 1,500 R        | 201         | C       | -                       | 2,296 M  | -                | 4              |                        | 4        |
| 5                  | COOKTOP - KITCHEN        | 900 K          | 202         | A       | 201                     | 66 L     | L - LIVING SPACE | 6              |                        | 6        |
| 9                  | R - RESTROOM EXHAUST FAN | 360 R          | 201         | A       |                         |          | SPARE            | 10             |                        | 10       |
| 11                 | R - LIVING SPACE         | 1,260 R        | 201         | C       |                         |          | SPARE            | 12             |                        | 12       |
| 13                 | BUSSED SPACE             |                |             | A       |                         |          | BUSSED SPACE     | 14             |                        | 14       |
| 15                 | BUSSED SPACE             |                |             | C       |                         |          | BUSSED SPACE     | 16             |                        | 16       |
| Connected Load:    |                          | Ph. A          | 5,122 VA    | 43 Amps | Panel Connected Load:   |          | 11.1 KVA         | 53.3 Amps      |                        |          |
| Connected Load:    |                          | Ph. C          | 5,956 VA    | 50 Amps | Sub-Fed Connected Load: |          | 0.0 KVA          | 0.0 Amps       |                        |          |
| Total Demand Load: |                          |                |             |         |                         | 12.2 KVA |                  | 56.9 Amps      |                        |          |

## Panel '4L2M'

| Ckt. No.              | Description / Location | Load (VA)/Type | C.B. A/Pole | Note     | Ph.                     | Note    | C.B. A/Pole | Load (VA)/Type | Description / Location | Ckt. No. |
|-----------------------|------------------------|----------------|-------------|----------|-------------------------|---------|-------------|----------------|------------------------|----------|
| 1                     | DOAS-1                 | 3,058 M        | 203         | A        | 203                     | 3,989 M | RTU-01      | 2              |                        | 2        |
| 3                     | ---                    | 3,058 M        | -           | B        | -                       | 3,989 M | -           | 4              |                        | 4        |
| 5                     | ---                    | 3,058 M        | -           | C        | -                       | 3,989 M | -           | 6              |                        | 6        |
| 7                     | DOAS-2                 | 3,058 M        | 203         | A        | 153                     | 2,216 M | RTU-02      | 8              |                        | 8        |
| 9                     | ---                    | 3,058 M        | -           | B        | -                       | 2,216 M | -           | 10             |                        | 10       |
| 11                    | ---                    | 3,058 M        | -           | C        | -                       | 2,216 M | -           | 12             |                        | 12       |
| 13                    | BUSSED SPACE           |                |             | A        | 453                     | 7,313 M | RTU-03      | 14             |                        | 14       |
| 15                    | BUSSED SPACE           |                |             | B        | -                       | 7,313 M | -           | 16             |                        | 16       |
| 17                    | BUSSED SPACE           |                |             | A        | -                       | 7,313 M | -           | 18             |                        | 18       |
| 19                    | BUSSED SPACE           |                |             | A        | 203                     | 3,989 M | RTU-04      | 20             |                        | 20       |
| 21                    | BUSSED SPACE           |                |             | B        | -                       | 3,989 M | -           | 22             |                        | 22       |
| 23                    | BUSSED SPACE           |                |             | A        | 203                     | 3,989 M | RTU-05      | 24             |                        | 24       |
| 25                    | BUSSED SPACE           |                |             | B        | -                       | 3,989 M | -           | 26             |                        | 26       |
| 27                    | BUSSED SPACE           |                |             | C        | -                       | 3,989 M | -           | 28             |                        | 28       |
| 29                    | BUSSED SPACE           |                |             | B        | -                       | 3,989 M | -           | 30             |                        | 30       |
| 31                    | BUSSED SPACE           |                |             | A        | -                       | 3,989 M | -           | 32             |                        | 32       |
| 33                    | BUSSED SPACE           |                |             | B        | -                       | 3,989 M | -           | 34             |                        | 34       |
| 35                    | BUSSED SPACE           |                |             | C        | -                       | 3,989 M | -           | 36             |                        | 36       |
| 37                    | BUSSED SPACE           |                |             | A        | -                       | 3,989 M | -           | 38             |                        | 38       |
| 39                    | BUSSED SPACE           |                |             | B        | -                       | 3,989 M | -           | 40             |                        | 40       |
| 41                    | BUSSED SPACE           |                |             | C        | -                       | 3,989 M | -           | 42             |                        | 42       |
| Total Connected Load: |                        | Ph. A          | 27,612 VA   | 100 Amps | Panel Connected Load:   |         | 82.6 KVA    | 99.6 Amps      |                        |          |
| Total Connected Load: |                        | Ph. B          | 27,612 VA   | 100 Amps | Sub-Fed Connected Load: |         | 0.0 KVA     | 0.0 Amps       |                        |          |
| Total Connected Load: |                        | Ph. C          | 27,612 VA   | 100 Amps | Total Demand Load:      |         | 88.3 KVA    | 106.2 Amps     |                        |          |

## Panel 'Laundry'

2022-1372

Panel 'Laundry'

12/02/20V, 3 Ph., 4 W.; 200A Bus with 200A Main Circuit Breaker Surface Mounted Panelboard

| Ckt. No.              | Description / Location | Load (VA)/Type | C.B. A/Pole | Note    | Ph. | Note | C.B. A/Pole             | Load (VA)/Type | Description / Location | Ckt. No.  |
|-----------------------|------------------------|----------------|-------------|---------|-----|------|-------------------------|----------------|------------------------|-----------|
| 1                     | WASHER - 1             | 750 M          | 201         | A       |     |      | A 302                   | 2,500 H        | DRYER - 1              | 2         |
| 3                     | WASHER - 2             | 750 M          | 201         | B       |     |      | B -                     | 2,500 H        | —                      | 4         |
| 5                     | WASHER - 3             | 750 M          | 201         | C       |     |      | B 302                   | 2,500 H        | DRYER - 2              | 6         |
| 7                     | WASHER - 4             | 750 M          | 201         | A       |     |      | A -                     | 2,500 H        | —                      | 8         |
| 9                     | WASHER - 5             | 740 M          | 201         | B       |     |      | B 302                   | 2,500 H        | DRYER - 3              | 10        |
| 11                    | WASHER - 6             | 750 M          | 201         | C       |     |      | C -                     | 2,500 H        | —                      | 12        |
| 13                    | FSDS - WEST            | 30 M           | 201         | A       |     |      | A 302                   | 2,500 H        | DRYER - 4              | 14        |
| 15                    | SPARE                  |                | 201         | C       |     |      | C -                     | 2,500 H        | —                      | 16        |
| 17                    | SPARE                  |                | 201         | C       |     |      | B 302                   | 2,500 H        | DRYER - 5              | 18        |
| 19                    | SPARE                  |                | 201         | A       |     |      | A -                     | 2,500 H        | —                      | 20        |
| 21                    | SPARE                  |                | 201         | B       |     |      | B 302                   | 2,500 H        | DRYER - 6              | 22        |
| 23                    | SPARE                  |                | 201         | C       |     |      | C -                     | 2,500 H        | —                      | 24        |
| 25                    | SPARE                  |                | 201         | A       |     |      | A 201                   |                | SPARE                  | 26        |
| 27                    | SPARE                  |                | 201         | B       |     |      | B 201                   |                | SPARE                  | 28        |
| 29                    | SPARE                  |                | 201         | C       |     |      | C 201                   |                | SPARE                  | 30        |
| Total Connected Load: |                        | Ph. A          | 11,530 VA   | 96 Amps |     |      | Panel Connected Load:   |                | 34.5 KVA               | 95.8 Amps |
| Total Connected Load: |                        | Ph. B          | 11,490 VA   | 96 Amps |     |      | Sub-Fed Connected Load: |                | 0.0 KVA                | 0.0 Amps  |
| Total Connected Load: |                        | Ph. C          | 11,500 VA   | 96 Amps |     |      | Total Demand Load:      |                | 34.7 KVA               | 96.3 Amps |

Notes:

Accessories:

| Load Type | Load Description                         | Connected Loads | Subfed Loads (S) | Total Loads | Demand Factor | Demand Load        |
|-----------|--|-----------------|------------------|-------------|---------------|--------------------|
| G         | General (Non-Continuous)                 | 0.00            | 0.00             | 0.00        | 100%          | 0.00 (KVA Typical) |
| L         | Lighting                                 | 0.00            | 0.00             | 0.00        | 125%          | 0.00               |
| R         | Receptacles - to 10 KVA                  | 0.00            | 0.00             | 0.00        | 100%          | 0.00               |
|           | over 10 KVA                              | 0.00            | 0.00             | 0.00        | 50%           | 0.00               |
| K         | Kitchen (Non-Dwelling)                   | 0.00            | 0.00             | 0.00        | 100%          | 0.00               |
| H         | Heating                                  | 30.00           | 0.00             | 30.00       | 100%          | 30.00              |
| M         | Motors                                   | 3.77            | 0.00             | 3.77        | 100%          | 3.77               |
| LM        | Largest Motor                            | 0.75            | 0.00             | 0.75        | 125%          | 0.94               |
| WH        | Water Heater                             | 0.00            | 0.00             | 0.00        | 125%          | 0.00               |
| C         | Continuous General Load                  | 0.00            | 0.00             | 0.00        | 125%          | 0.00               |
| DL        | Multifamily Demand Load (Dwelling Units) | 0.00            | 0.00             | 0.00        | 100%          | 0.00               |
| Total:    |  |                 |                  |             |               | 34.71 KVA          |

## Panel 'L2N'

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