ELECTRICAL SYMBOL LIST

LIGHTING SYMBOLS

- LIGHT FIXTURE, RECESSED
- LIGHT FIXTURE, RECESSED – EMERGENCY
- LIGHT FIXTURE, SURFACE MOUNT
- LIGHT FIXTURE, SURFACE MOUNT – EMERGENCY
- LIGHT FIXTURE, STRIP
- LIGHT FIXTURE, STRIP – EMERGENCY
- DOWNLIGHT FIXTURE, RECESSED
- DOWNLIGHT FIXTURE, RECESSED, WALLWASH
- DOWNLIGHT FIXTURE, RECESSED – EMERGENCY
- LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, CEILING MOUNT
- RECESSED LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, WALL MOUNT
- LIGHT FIXTURE, WALL SCONCE
- LIGHT FIXTURE, COVE – RECESSED
- LIGHT FIXTURE, COVE – SURFACE
- LIGHT FIXTURE, UNDER CABINET/SHELF
- EXIT SIGN, UNIVERSAL MOUNT, W/ DIRECTIONAL ARROW
- EXIT SIGN, WALL MOUNT, +8'–0" A.F.F.
- EMERGENCY LIGHT W/ BATTERY PACK, +8'–0" A.F.F.
- FLOOD LIGHT
- AREA LUMINAIRE, POST TOP
- AREA LUMINAIRE, BOLLARD
- AREA LUMINAIRE, WALL MOUNT
- AREA LUMINAIRE, POLE MOUNT

SWITCH SYMBOLS

- SWITCH, SPST +48" A.F.F.
- SWITCH, DPST +48" A.F.F.
- SWITCH, 3–WAY +48" A.F.F.
- SWITCH, 4–WAY +48" A.F.F.
- SWITCH, MOMENTARY +48" A.F.F.
- SWITCH, DIMMER +48" A.F.F.
- SWITCH, SPST, W/PILOT LIGHT +48" A.F.F.
- SWITCH, 3–WAY, W/PILOT LIGHT +48" A.F.F.
- SWITCH, KEY–OPERATED +48" A.F.F.
- SWITCH, TIMED +48" A.F.F.
- EXISTING SWITCH, SPST
- PHOTOCELL CONTROL
- OCCUPANCY SENSOR CONTROL

WIRING SYMBOLS

- 2A–9 — PANEL & CIRCUIT NUMBER
- #10 — CONDUCTOR SIZE (IF OTHER THAN #12)
- HOMERUN TO PANEL
- PHASE CONDUCTOR
- NEUTRAL CONDUCTOR
- GROUND CONDUCTOR
- CONCEALED CONDUIT
- 1–1/4"C — CONDUIT SIZE
- CONDUIT (UNDER SLAB OR FLOOR)
- FLEXIBLE CONNECTION
- CONDUIT, STUBBED & CAPPED
- NORMAL POWER CIRCUIT LINETYPE
- EMERGENCY POWER CIRCUIT LINETYPE
- EXISTING POWER CIRCUIT LINETYPE
- PRI — PRIMARY ELECTRICAL UTILITY FEEDER
- SEC — SECONDARY ELECTRICAL UTILITY FEEDER

FIRE RATED INSTALLATION NOTE:

ELECTRICAL ITEMS (LIGHT FIXTURES, BOXES, ETC.) WHICH ARE RECESSED INTO FIRE–RATED CEILINGS OR WALLS, SHALL BE 'ALCOVED' IN GYPSUM BOARD ENCLOSURES PER ARCHITECTURAL DETAILS, OR THE DEVICES SHALL BE 'UL' LISTED WITH FIRE–RATING EQUAL TO OR GREATER THAN THE FIRE–RATING OF THE ADJACENT CONSTRUCTION.

1. SYMBOLS & ABBREVIATIONS MAY OR MAY NOT APPLY TO PROJECT
2. REFER TO LOW VOLTAGE DRAWINGS FOR ASSOCIATED SYMBOLS

POWER SYMBOLS

- RECEPTACLE, SINGLE +18" A.F.F.
- RECEPTACLE, DUPLEX +18" A.F.F.
- RECEPTACLE, QUAD +18" A.F.F.
- RECEPTACLE, DUPLEX +6" ABV COUNTER
- RECEPTACLE, DUPLEX +18" A.F.F. (ONE OUTLET SWITCHED)
- RECEPTACLE, DUPLEX +18" A.F.F. (BOTH OUTLETS SWITCHED)
- RECEPTACLE, DUPLEX, PEDESTAL MOUNT
- RECEPTACLE, DUPLEX, FLUSH FLOOR MOUNT
- OR — RECEPTACLE, SPECIAL (COORDINATE WITH EQUIPMENT SERVED)
- RELAY
- TIME CLOCK CONTROL
- PUSHBUTTON STATION
- JUNCTION BOX
- JUNCTION BOX, EMERGENCY CIRCUIT
- THERMOSTAT
- TRANSFORMER
- DISCONNECT, NON–FUSED
- DISCONNECT, FUSED
- ELECTRICAL CONNECTION
- ELECTRICAL CONNECTION, SINGLE MOTOR
- ELECTRICAL CONNECTION, MULTI–MOTOR
- ELECTRICAL DISTRIBUTION PANEL, RECESSED
- ELECTRICAL DISTRIBUTION PANEL, SURFACE
- MISCELLANEOUS PANEL, RECESSED
- MISCELLANEOUS PANEL, SURFACE
- FLUSH FLOOR BOX (W/ DEVICES AS SHOWN ON PLAN)
- FIRE SMOKE DAMPER

ONE–LINE DIAGRAM SYMBOLS

- PANEL 'X' — ELECTRICAL DISTRIBUTION PANELBOARD (MLO)
- PANEL 'X' — ELECTRICAL DISTRIBUTION PANELBOARD (MCB)
- SUB–FEED CIRCUIT BREAKER
- 200/3 — CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
- 200A 3P / 200A 100T — MAIN SWITCH (RATING & POLES AS INDICATED ON PLAN)
- FUSE (RATING & CLASS AS INDICATED ON PLAN)
- NORM / EMERG 200/3 — TRANSFER SWITCH (MANUAL OR AUTOMATIC)
- GEN — GENERATOR (RATING AS INDICATED ON PLAN)
- TRANSFORMER (RATING AS INDICATED ON PLAN)
- 200A 100T — FUSE (RATING & CLASS AS INDICATED ON PLAN)
- GROUND — GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
- WATER PIPE GROUND ELECTRODE
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- UTILITY METER & METER BASE
- C.T. — UTILITY METER CURRENT TRANSFORMER
- 1 — FEEDER NO. (SEE FEEDER SCHEDULE)
- 480/120V — POTENTIAL TRANSFORMER (RATING AS INDICATED ON PLANS)

ABBREVIATIONS

'A'	LIGHT FIXTURE TYPE (SEE FIXTURE LIST)
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINAL GRADE
A.F.I.	ARC FAULT INTERRUPTER
A.T.S.	TRANSFER SWITCH, AUTOMATIC
C	CONDUIT
C.O.	CONDUIT ONLY
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
C.T.	CURRENT TRANSFORMER
(E)	EXISTING
E.L.	EMERGENCY LIGHT
E.L.C.	EXTERIOR LIGHTING CONTROL
FACP	FIRE ALARM CONTROL PANEL
G.F.I.	GROUND FAULT INTERRUPTER
GND	GROUND
H.I.D.	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
I.G.	ISOLATED GROUND
I R	INFRARED
JB	JUNCTION BOX
LCP	LIGHTING CONTROL PANEL
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
M.T.S.	TRANSFER SWITCH, MANUAL
(N)	NEW
N.I.C.	NOT IN CONTRACT
N.L.	NIGHT LIGHT
OL	OVERLOAD
O.L.C.	OFFICE LIGHTING CONTROL
P	POLE
P.A.	PUBLIC ADDRESS
PC	PARTIAL CIRCUIT
PH	PHASE
PRI	PRIMARY
R.T.U.	REMOTE TELEMETRY UNIT
SEC	SECONDARY
SCCR	SHORT CIRCUIT CURRENT RATING
T.V.S.S.	TRANSIENT VOLTAGE SURGE SUPPRESSOR
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
W.G.	WIRE GUARD
W.P.	WEATHERPROOF
W.T.	WATERTIGHT
X.P.	EXPLOSION PROOF

NOTATIONS

- 1 — DRAWING NOTE
- 2 / E3 — DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
- (M) / M2 — MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
- A — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
- AA — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
- AAA — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
- 'A' / 2–32 — FIXTURE REFERENCE: TOP=TYPE, BOTTOM=LAMP QTY & WATTS

GENERAL CONSTRUCTION NOTES:

CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY REVIEWING THE PLANS AND SPECIFICATION DOCUMENTS PRIOR TO THE START OF ANY WORK. ANY DISCREPANCIES IN THE PROJECT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY AND PRIOR TO THE START OF ANY WORK.

ALL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED AS IS STANDARD BUILDING PRACTICE.

ALL ELECTRICAL PLANS ARE DIAGRAMMATICAL AND THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES AND FIXTURES.

THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTATION AND COORDINATE WITH ALL OTHER TRADES THROUGHOUT THE COURSE OF THE PROJECT.

ALL WORK SHALL BE IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES. CONTRACTOR SHALL BE RESPONSIBLE TO BE INFORMED OF ALL SUCH CODES AS THEY APPLY TO THE SCOPE OF THE PROJECT.

GENERAL NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE & NATIONAL CODES.

C. CONTRACTOR SHALL REVIEW THE DIVISION 26 SPECIFICATIONS AND THE ENTIRE DRAWING PACKAGE FOR THIS PROJECT PRIOR TO THE START OF ANY WORK.

D. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH ALL OTHER TRADES AND PROVIDE THE APPROPRIATE POWER CONNECTION(S) AND COORDINATE EXACT LOCATIONS PRIOR TO ROUGH IN.

E. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT OF ANY DISCREPANCIES DISCOVERED WITHIN THE DOCUMENTS.

F. ALL PRODUCT SUBMITTALS AND SUBSTITUTIONS SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLACING ANY ORDERS.

G. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

H. REFER TO ENLARGED TYPICAL UNIT PLANS (E4 SERIES SHEETS) FOR TYPICAL POWER & LIGHTING LAYOUTS FOR THE APARTMENT UNITS.

I. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR EXACT LOCATION(S) AND ELEVATIONS FOR FIXTURES & DEVICES.

J. ELECTRICAL PANELS LOCATED IN PUBLIC OR UNSECURED SPACES SHALL BE PROVIDED WITH A LOCKABLE DOOR PANEL.

K. SERVICE ENTRANCE AND METERING EQUIPMENT SHOWN TO APPROXIMATE SCALE, BASED ON INDUSTRY STANDARD PRODUCTS. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT WILL FIT THE SPACE AND MAINTAIN REQUIRED WORKING CLEARANCES.

L. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.

M. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH PGE ELECTRICAL SERVICE REQUIREMENTS.

N. THERE SHALL BE NO SURFACE MOUNTED DEVICES OR PATHWAYS (CONDUIT, ETC.) IN ANY PUBLICLY ACCESSIBLE SPACES, INCLUDING STAIRWELLS AND EXIT PASSAGEWAYS WITHOUT PRIOR APPROVAL BY OWNER AND ARCHITECT. ROUTE ALL PATHWAYS WITHIN STUD CAVITIES OR ABOVE FINISHED CEILINGS.

O. ELECTRICAL CONTRACTOR SHALL CONSULT ARCHITECTURAL AND INTERIOR DECORATOR'S PLAN DOCUMENTS SUCH AS INTERIOR ELEVATIONS, REFLECTED CEILING PLANS, ETC., FOR FIXTURE AND DEVICE DIMENSIONS NOT OTHERWISE NOTED ON THE ELECTRICAL PLANS.

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EXPIRES 12-31-2021

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PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

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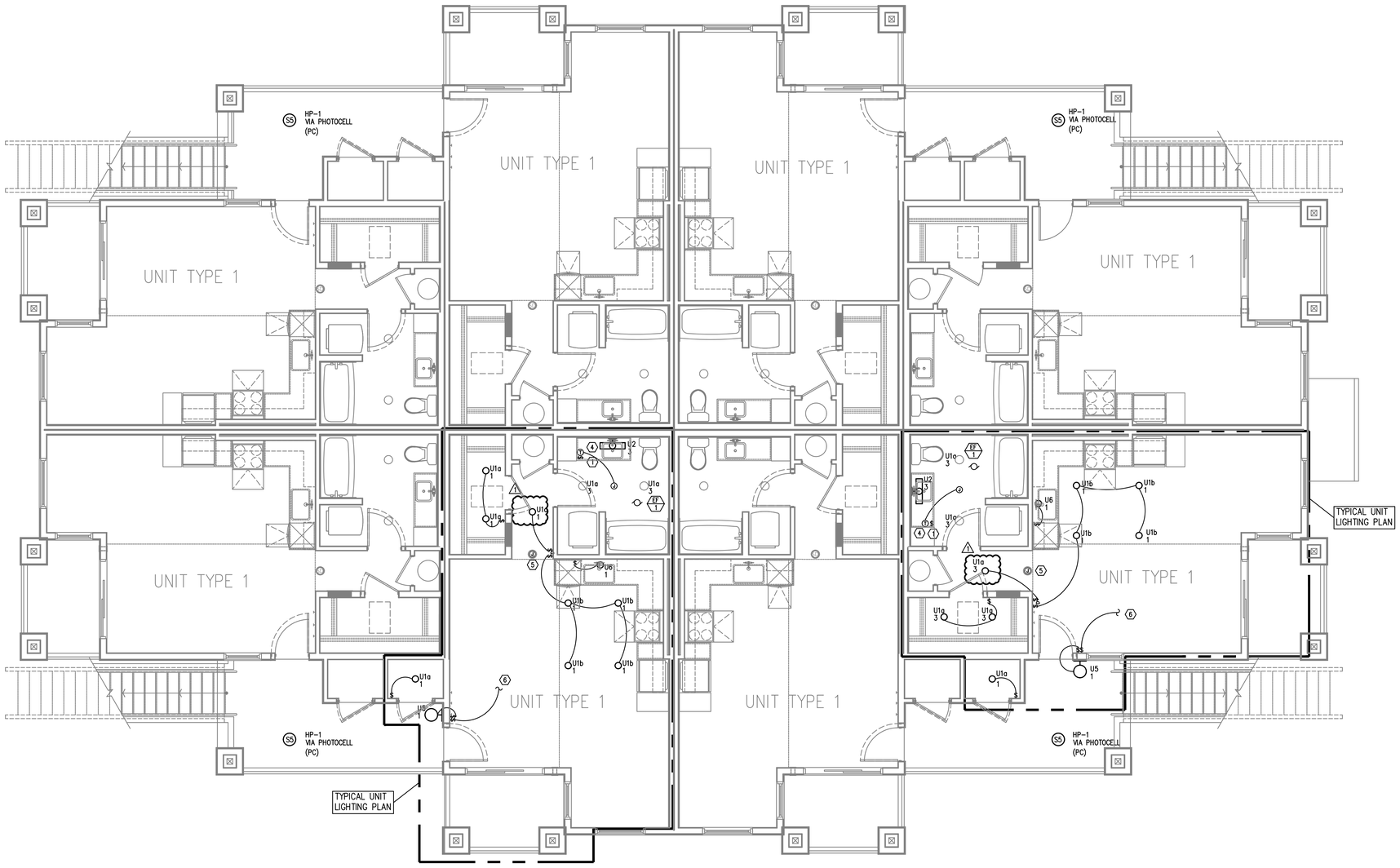

1 E2.02 BLDG TYPE A – BLDGS 'A' & 'F'
SECOND FLOOR – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK-TILL-DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK-UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

⚠K. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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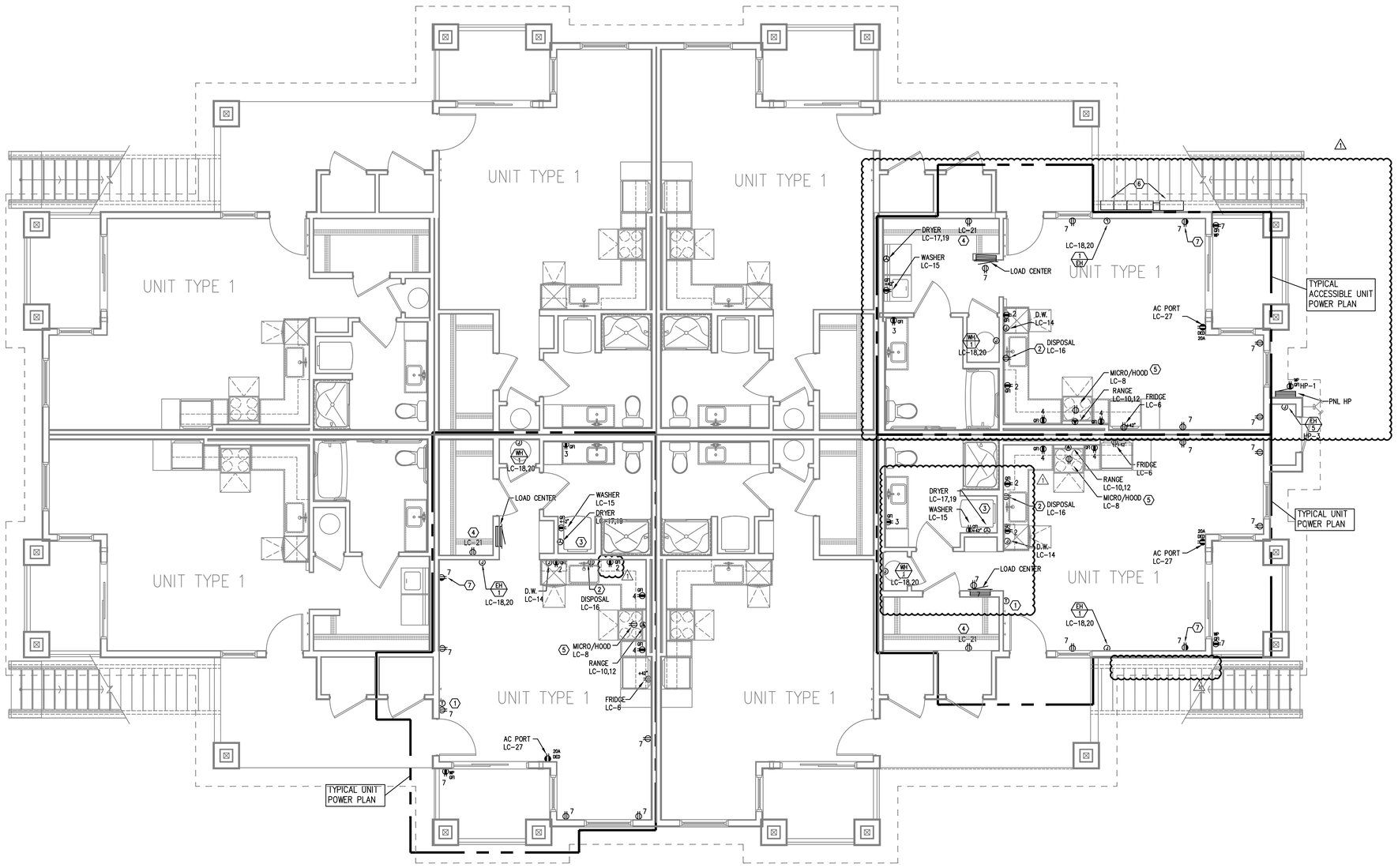

BLDG TYPE A – BLDGS 'A' & 'F'
FIRST FLOOR – POWER PLAN
(1 / E301) SCALE: 1/4" = 1'-0"
(ACCESSIBLE)

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⚠ G. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. 'PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
5. CONTRACTOR TO VERIFY POWER CONNECTION TYPE FOR THE HOOD/MICROWAVE PRIOR TO ROUGH IN. PROVIDE ONE DEDICATED 20A, 1P DUPLEX RECEPTACLE LOCATED INSIDE THE CABINET OVER THE RANGE FOR APPLIANCES SUPPLIED WITH CORD & PLUG SET. HOOD/MICROWAVES THAT ARE TO BE HARDWIRED, SHALL BE PROVIDED WITH THE DEDICATED CIRCUIT GOING TO A J-BOX WHICH IS TO BE MOUNTED DIRECTLY BEHIND THE APPLIANCE.
6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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E3.01

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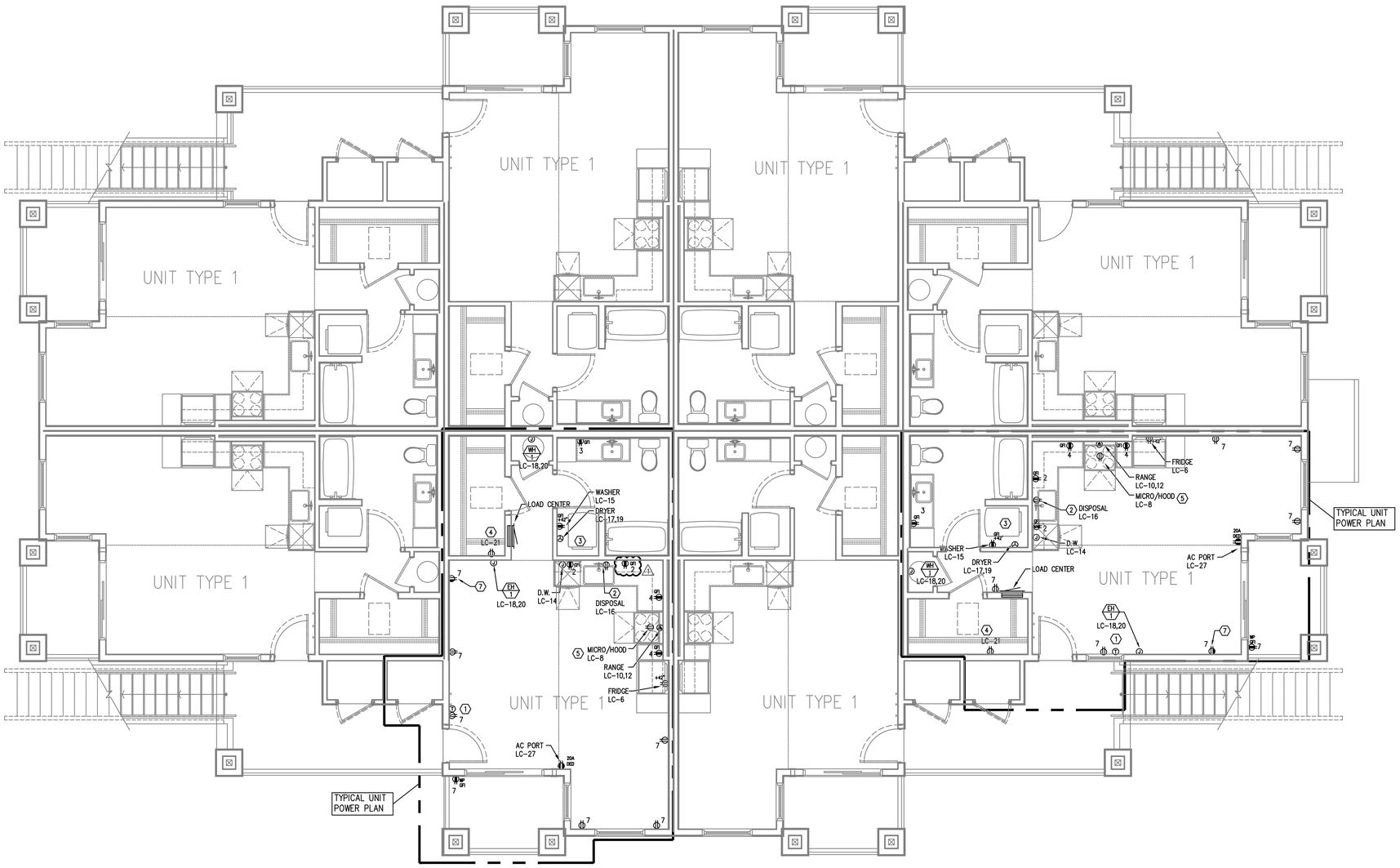

1 / E302 BLDG TYPE A – BLDGS 'A' & 'F'
SECOND FLOOR – POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⚠1 G. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. *PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
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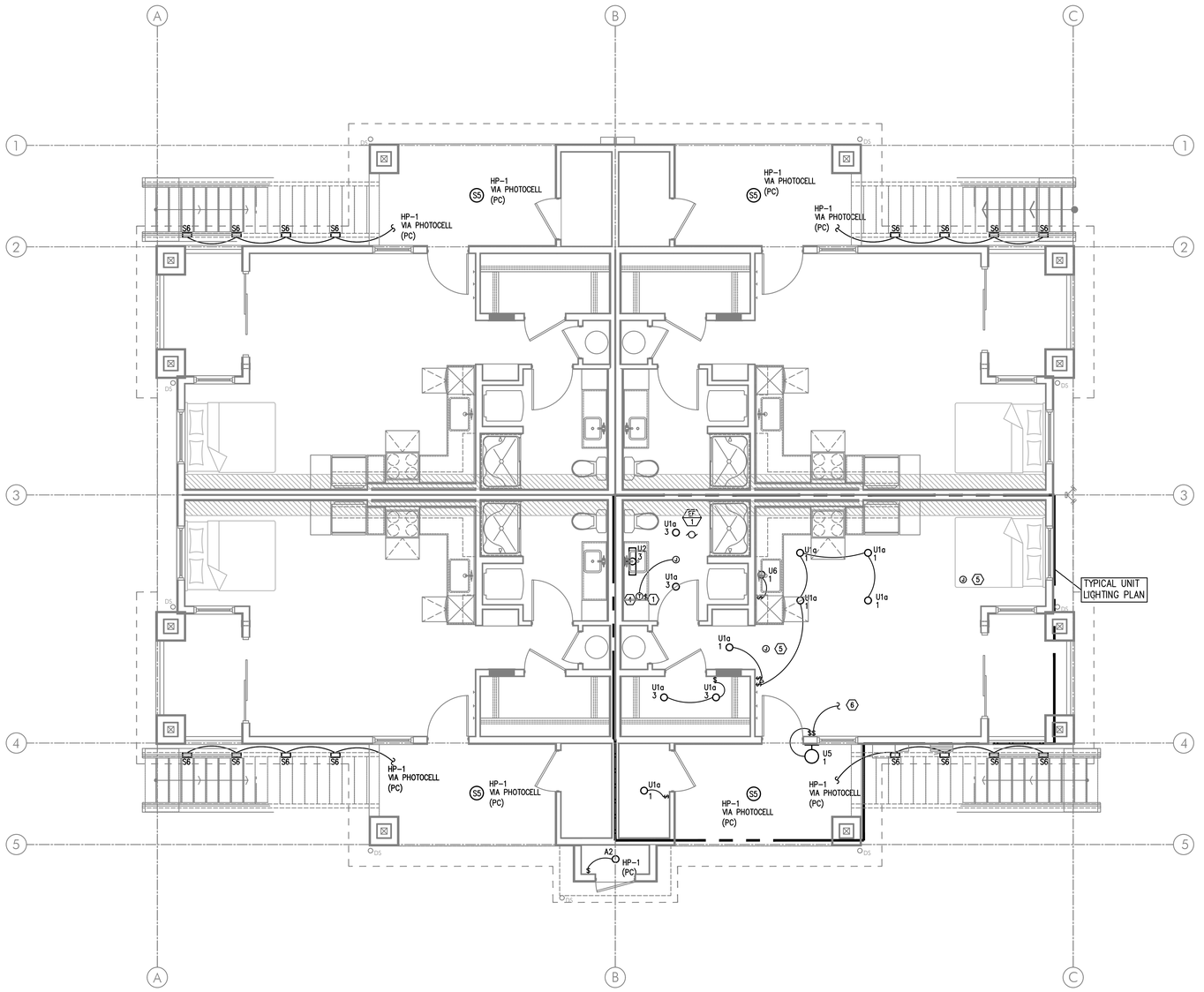

1 E2.01 BLDG TYPE AS – BLDG "C"
FIRST FLOOR – LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK-TILL-DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK-UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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JULY 20, 1982
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

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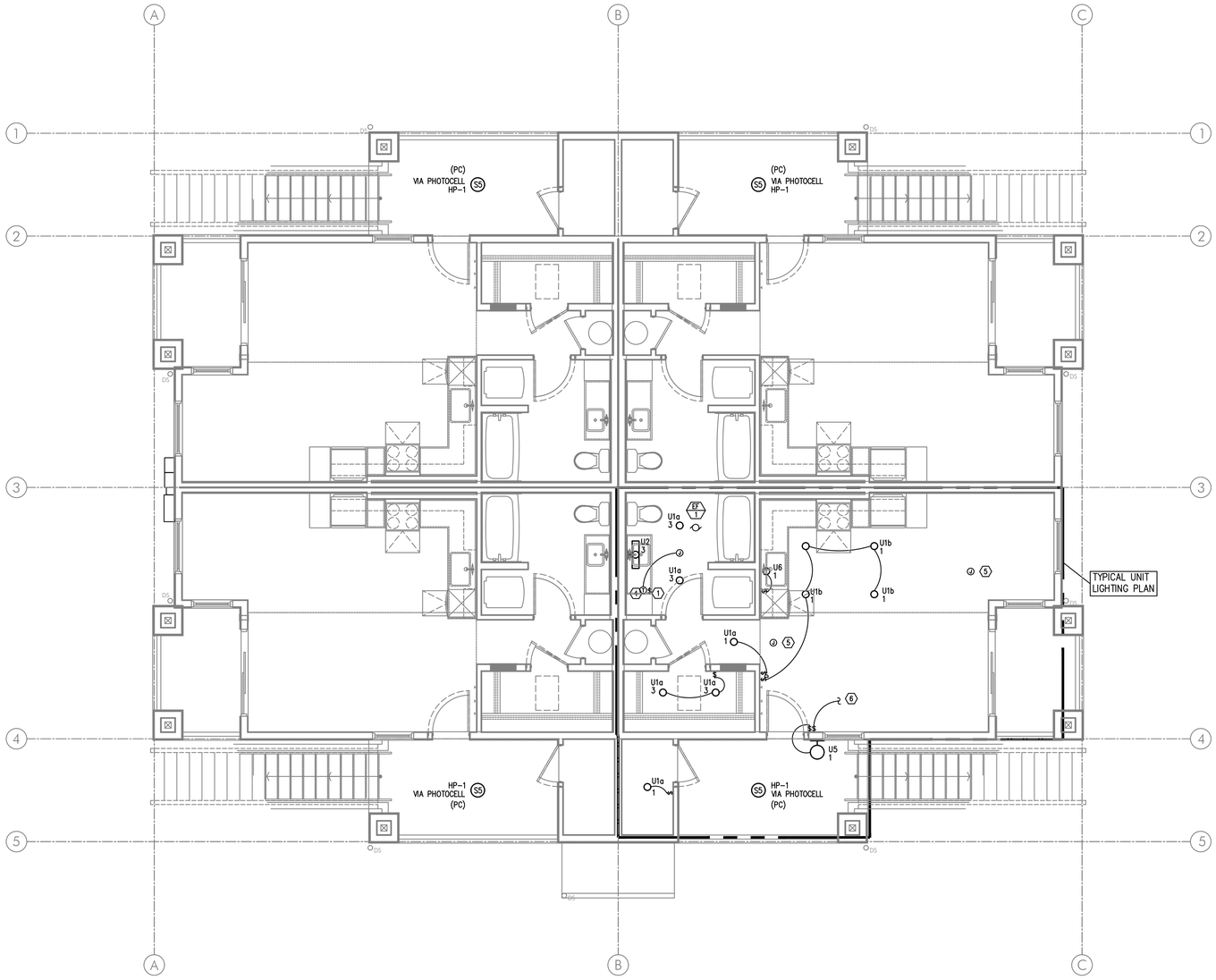

1 E2.02 BUILDING AS SECOND FLOOR – LIGHTING PLAN

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

GENERAL LIGHTING NOTES:

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IN THE EVENT CONFLICTS ARE DISCOVERED BETWEEN THE ORIGINAL SIGNED AND SEALED DOCUMENTS PREPARED BY THE ARCHITECTS AND/OR THEIR CONSULTANTS, AND ANY COPY OF THE DOCUMENTS TRANSMITTED BY MAIL, FAX, ELECTRONICALLY OR OTHERWISE, THE ORIGINAL SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

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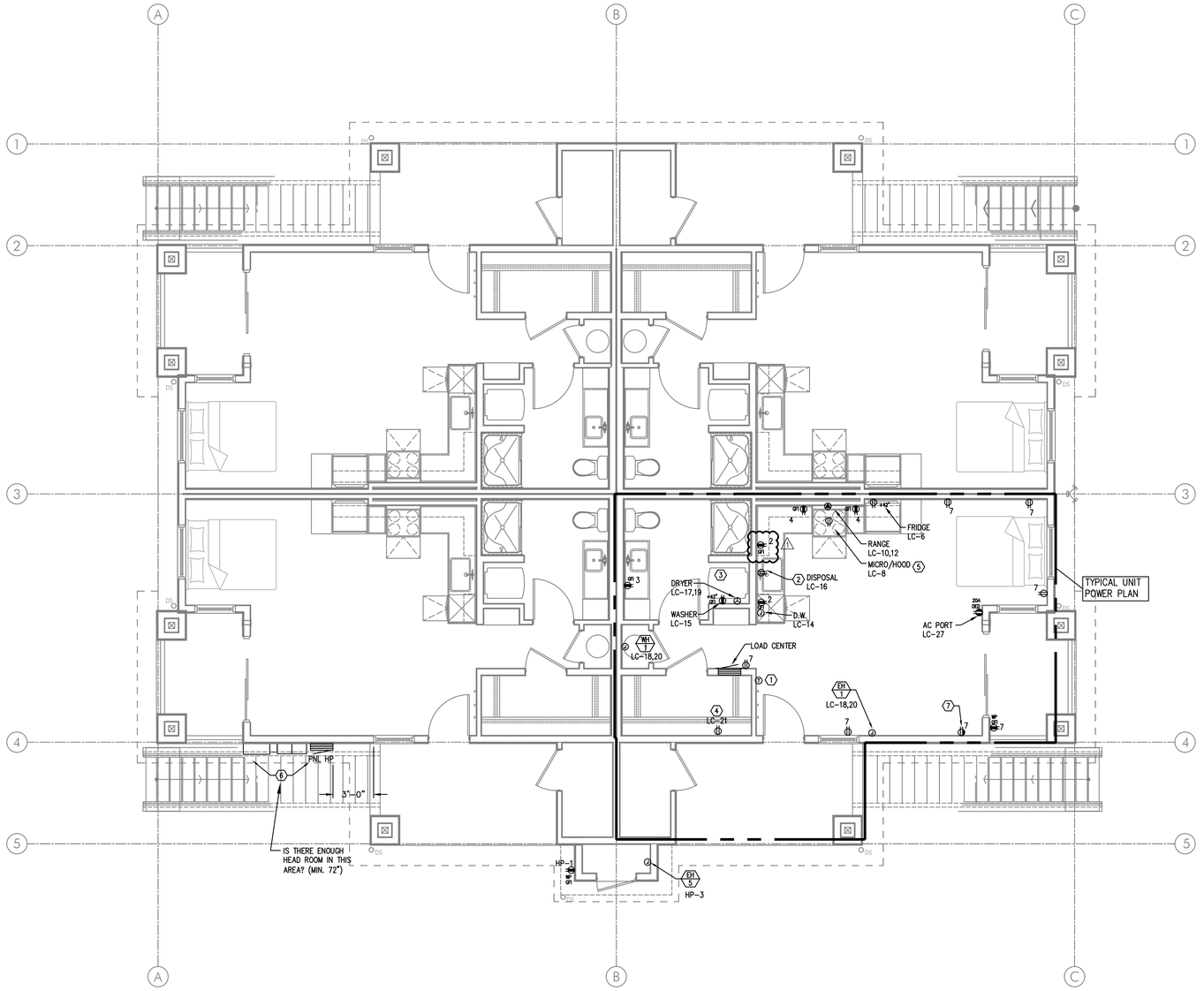

BLDG TYPE AS – BLDG "C"
FIRST FLOOR – POWER PLAN

1 / E301

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

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ("I" SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. 'PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
5. CONTRACTOR TO VERIFY POWER CONNECTION TYPE FOR THE HOOD/MICROWAVE PRIOR TO ROUGH IN. PROVIDE ONE DEDICATED 20A, 1P DUPLEX RECEPTACLE LOCATED INSIDE THE CABINET OVER THE RANGE FOR APPLIANCES SUPPLIED WITH CORD & PLUG SET. HOOD/MICROWAVES THAT ARE TO BE HARDWIRED, SHALL BE PROVIDED WITH THE DEDICATED CIRCUIT GOING TO A J-BOX WHICH IS TO BE MOUNTED DIRECTLY BEHIND THE APPLIANCE.
6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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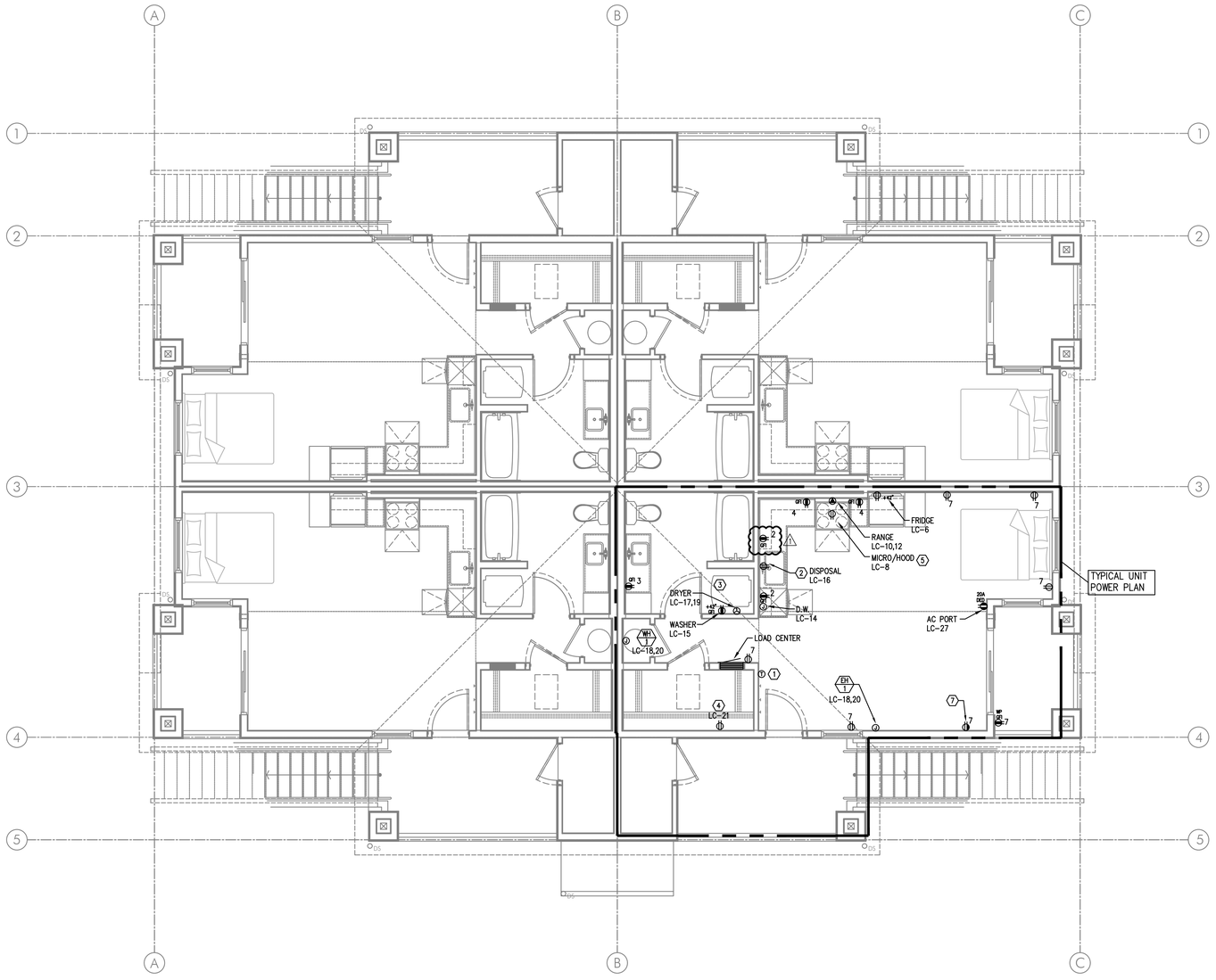

1 E302 BLDG TYPE AS – BLDG "C"
SECOND FLOOR – POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

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F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⬡ KEYED POWER NOTES:

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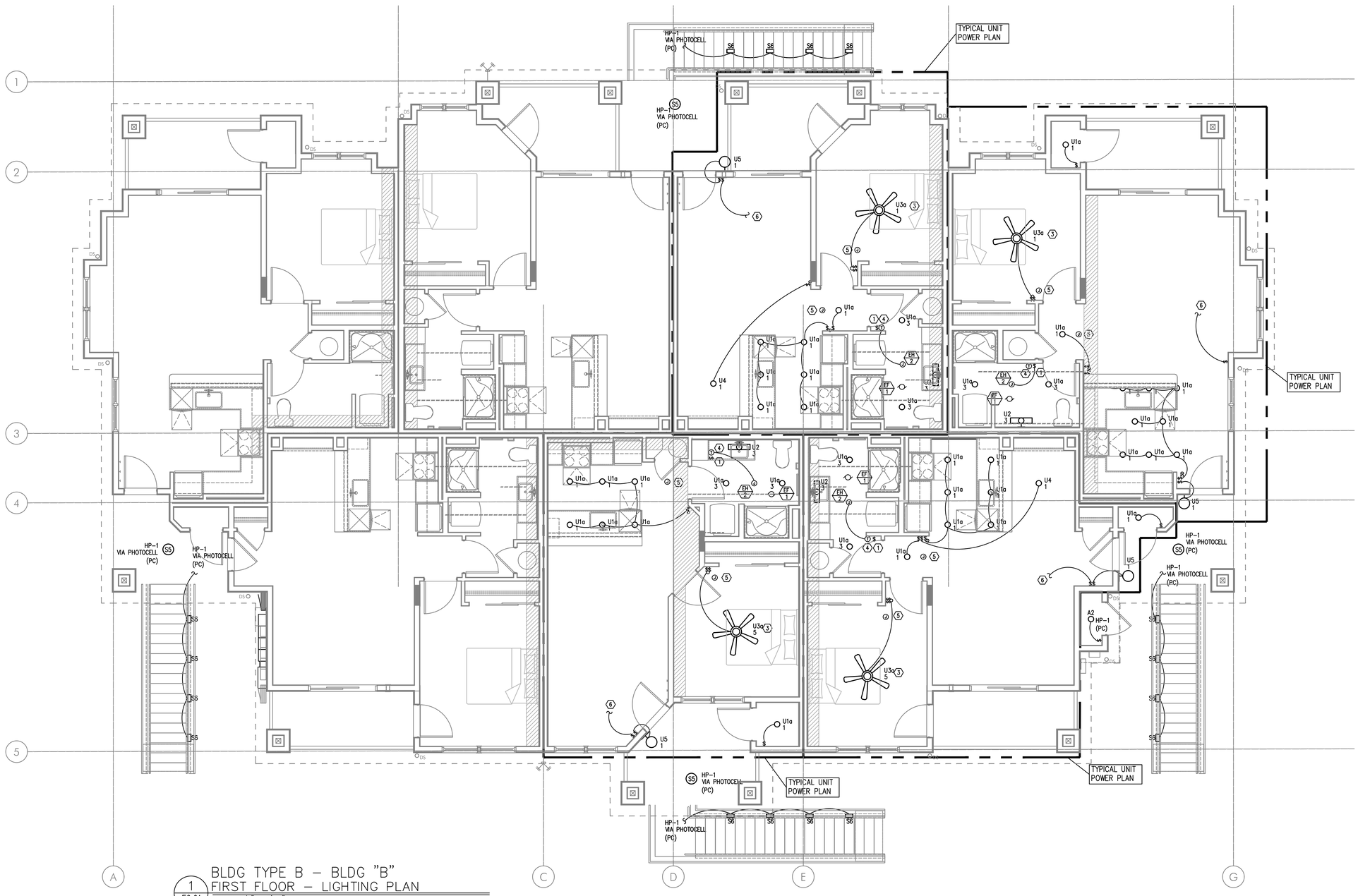

BLDG TYPE B – BLDG "B"
FIRST FLOOR – LIGHTING PLAN
1 / E2.01
SCALE: 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

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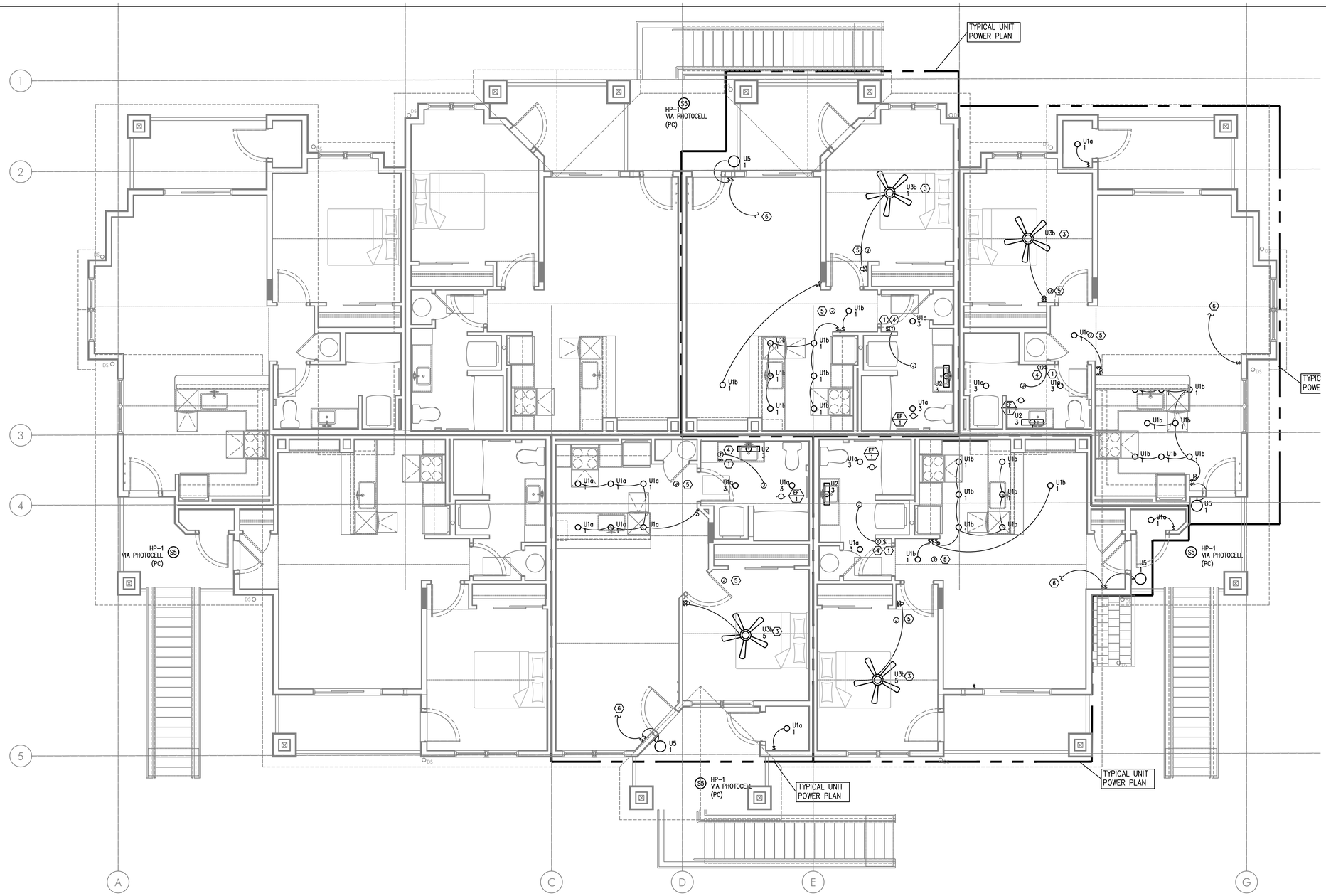

1 E2.02 BLDG TYPE B – BLDG "B"
SECOND FLOOR – LIGHTING PLAN
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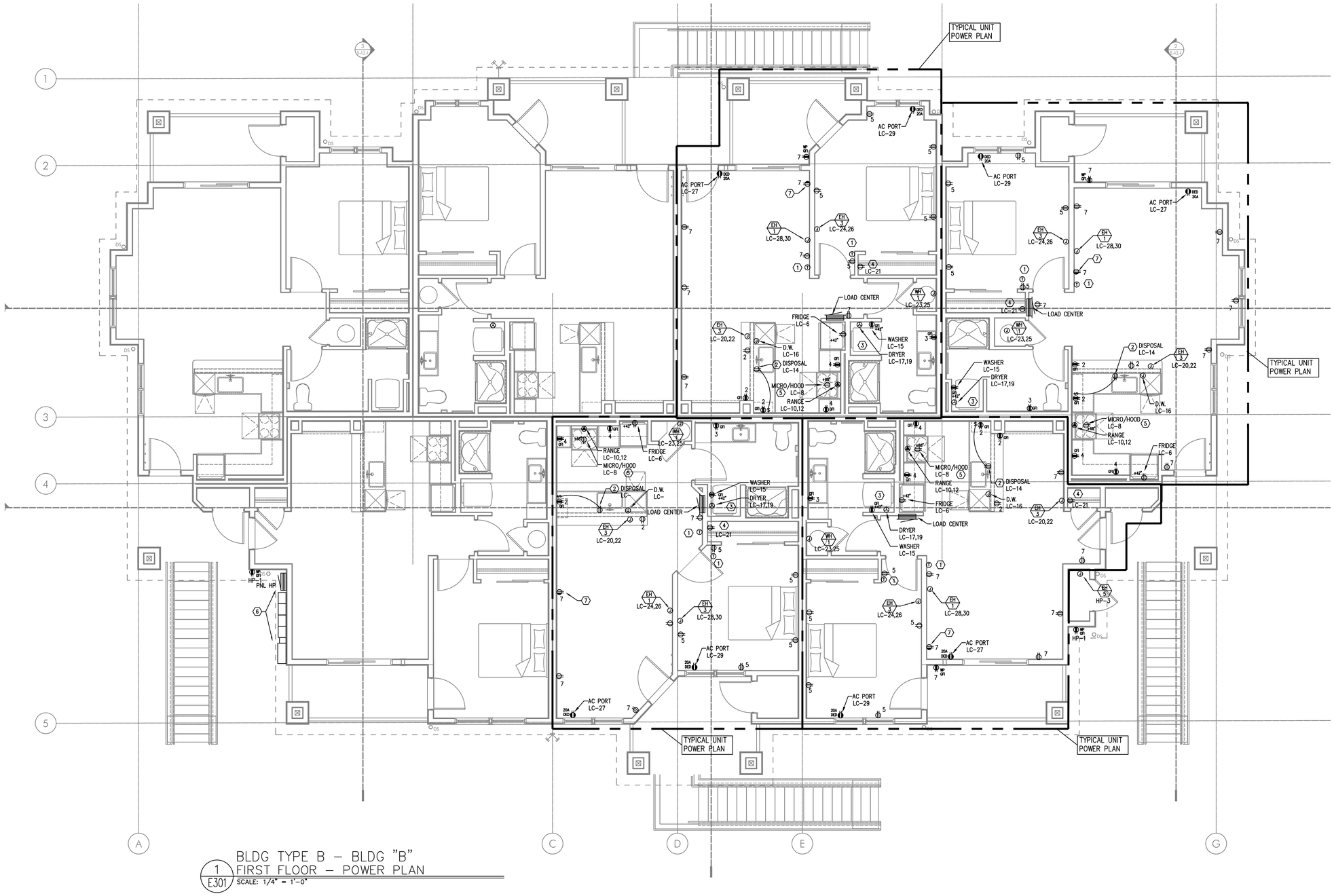

BLDG TYPE B – BLDG "B"
1 / E301 FIRST FLOOR – POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

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4. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
5. CONTRACTOR TO VERIFY POWER CONNECTION TYPE FOR THE HOOD/MICROWAVE PRIOR TO ROUGH IN. PROVIDE ONE DEDICATED 20A, 1P DUPLEX RECEPTACLE LOCATED INSIDE THE CABINET OVER THE RANGE FOR APPLIANCES SUPPLIED WITH CORD & PLUG SET. HOOD/MICROWAVES THAT ARE TO BE HARDWIRED, SHALL BE PROVIDED WITH THE DEDICATED CIRCUIT GOING TO A J-BOX WHICH IS TO BE MOUNTED DIRECTLY BEHIND THE APPLIANCE.
6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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16,567
OREGON
JULY 20, 1982
ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

McKINNEY LANE APARTMENTS PHASE II
RUSSELL DRIVE & McKINNEY LANE
LEBANON, OREGON 97355

B
E3.01

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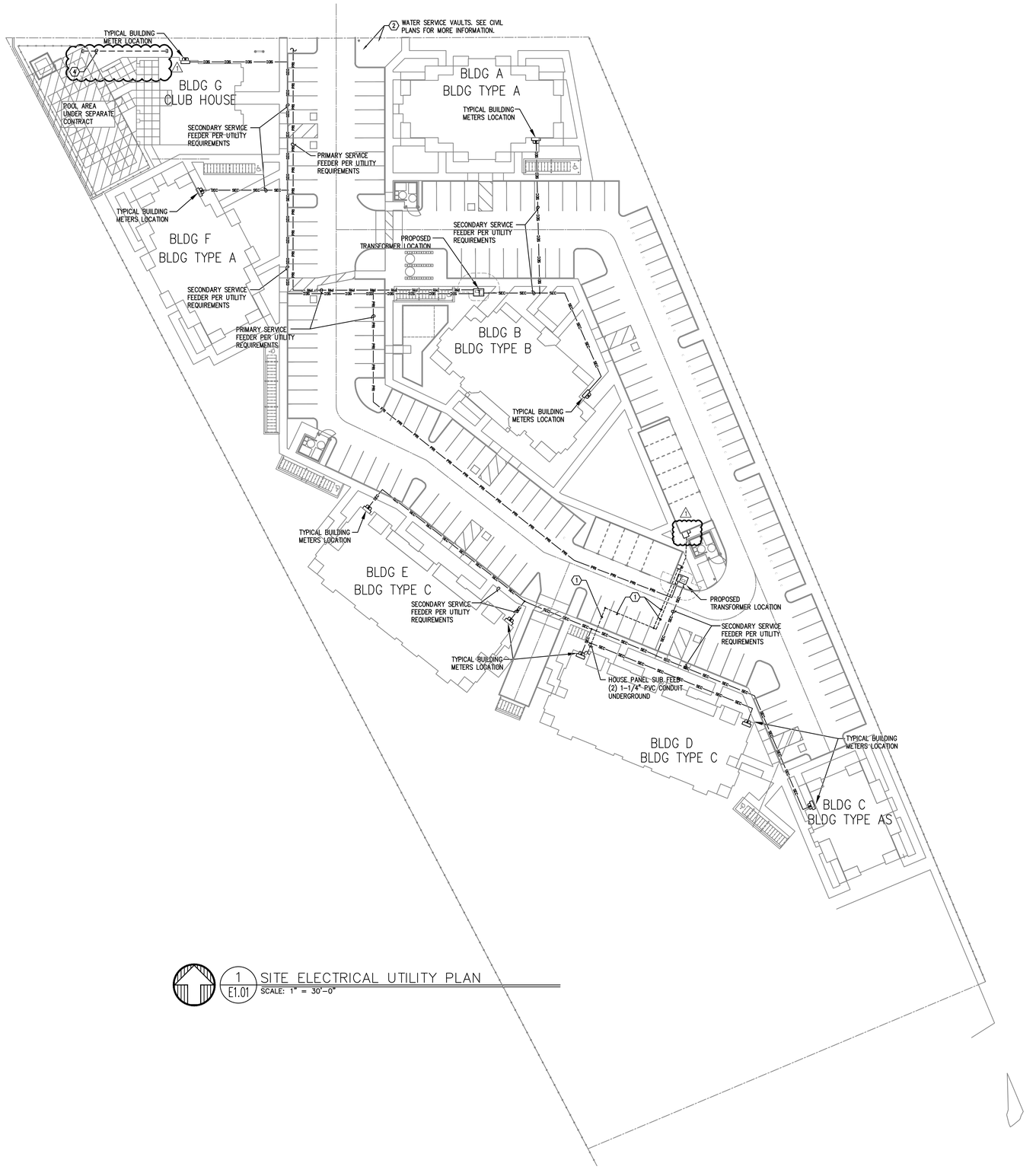

1 / E1.01 SITE ELECTRICAL UTILITY PLAN
SCALE: 1" = 30'-0"

GENERAL NOTES:

A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES.

B. ELECTRICAL PLANS ARE DIAGRAMMATIC AND MAY OR MAY NOT REFLECT ACTUAL FIELD CONDITIONS.

C. REFER TO LIGHTING PLANS FOR BUILDING MOUNTED LIGHT FIXTURE LOCATIONS.

D. COORDINATE WITH LOCAL UTILITY PROVIDER FOR EXACT SERVICE CONDUIT AND CONDUCTORS REQUIREMENTS.

E. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH CLARK PUBLIC UTILITIES ELECTRICAL SERVICE REQUIREMENTS.

F. U.G. PRIMARY FEEDER SHALL HAVE A MINIMUM 48 INCH BURY.

G. U.G. SECONDARY FEEDER SHALL HAVE A MINIMUM 36 INCH BURY.

H. REFER TO SHEET E1.11 FOR ONE-LINE DIAGRAM, LOAD SUMMARY INFORMATION AND TYPICAL FEEDER SCHEDULE.

I. SECONDARY CONDUIT SWEEPS SHALL BE MINIMUM 60 INCH RADIUS WITH A MINIMUM OF 7'-0" STRAIGHT CONDUIT RUN BETWEEN SWEEPS.

J. CONTRACTOR SHALL REVIEW THE UTILITY PROVIDER'S ELECTRICAL SERVICE REQUIREMENTS PRIOR TO THE START OF ANY WORK.

K. LOCATION AND INSTALLATION OF THE PRIMARY AND SECONDARY CONDUITS, TRANSFORMER, ETC. SHALL BE PROVIDED PER UTILITY PROVIDER'S ELECTRICAL SERVICE REQUIREMENTS.

L. CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND SPECIFICATIONS IN DETAIL AND REFER TO THE DOCUMENTS THROUGHOUT THE CONSTRUCTION.

M. CONTRACTOR SHALL CONSULT WITH THE CIVIL ENGINEER TO IDENTIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING.

N. TRENCHING AND UNDERGROUND UTILITY CONDUIT RUNS SHALL BE PERFORMED IN COORDINATION WITH THE CIVIL PLANS.

⬡ KEYED POWER NOTES:

1. 1" PVC CONDUIT ROUTED UNDER GROUND FROM HOUSE PANEL TO BUILDING DISCONNECT SWITCH. REFER TO PANEL SCHEDULES ON SHEET E1.11 FOR ADDITIONAL INFORMATION.

3. PROVE WEATHER PROOF GFCI 20A 120V DUPLEX RECEPTACLES AT WATER VAULT(S) AS DIRECTED BE CIVIL ENGINEER. ROUTE EACH CIRCUIT IN 3/4" PVC CONDUIT UNDER GROUND FROM THE BUILDING #6 HOUSE PANEL.

4. PROVIDE ONE EMPTY 1-1/2" PVC CONDUIT WITH PULL STRING FOR FUTURE POOL BRANCH PANEL, ROUTED FROM HOUSE PANEL LOCATION TO FUTURE POOL HOUSE AND CAP AT BOTH END.

UTILITY REQUIREMENTS

1. CUSTOMER TO PROVIDE ALL TRENCHING AND BACKFILLING. TRENCH TO BE 36 INCHES DEEP AND 30 INCHES WIDE, MEASURED FROM FINAL GRADE.

2. ALL UTILITY CONDUCTORS TO BE INSTALLED IN GRAY SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN 500 LBS. TEST). CLARK PUBLIC UTILITIES TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED. ALL ELBOWS TO BE 36 INCH (MIN) RADIUS. ALL BENDS MAY BE FACTORY MADE. IF MORE THAN 270 DEGREES OF BENDS OR IF RUN IS LONGER THAN 150 FEET, BENDS MUST BE RIGID STEEL.

3. CONSULT WITH UTILITY REPRESENTATIVE 2 WEEKS BEFORE STARTING MAIN POWER TRENCHING FOR A PRE-CONSTRUCTION CONFERENCE. INCLUDED IN THIS CONFERENCE WILL BE EXCAVATOR, CPU, TELCO, CATV, AND GAS.

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IN THE EVENT CONFLICTS ARE DISCOVERED BETWEEN THE ORIGINAL SIGNED AND SEALED DOCUMENTS PREPARED BY THE ARCHITECTS AND/OR THEIR CONSULTANTS, AND ANY COPY OF THE DOCUMENTS TRANSMITTED BY MAIL, FAX, ELECTRONICALLY OR OTHERWISE, THE ORIGINAL SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

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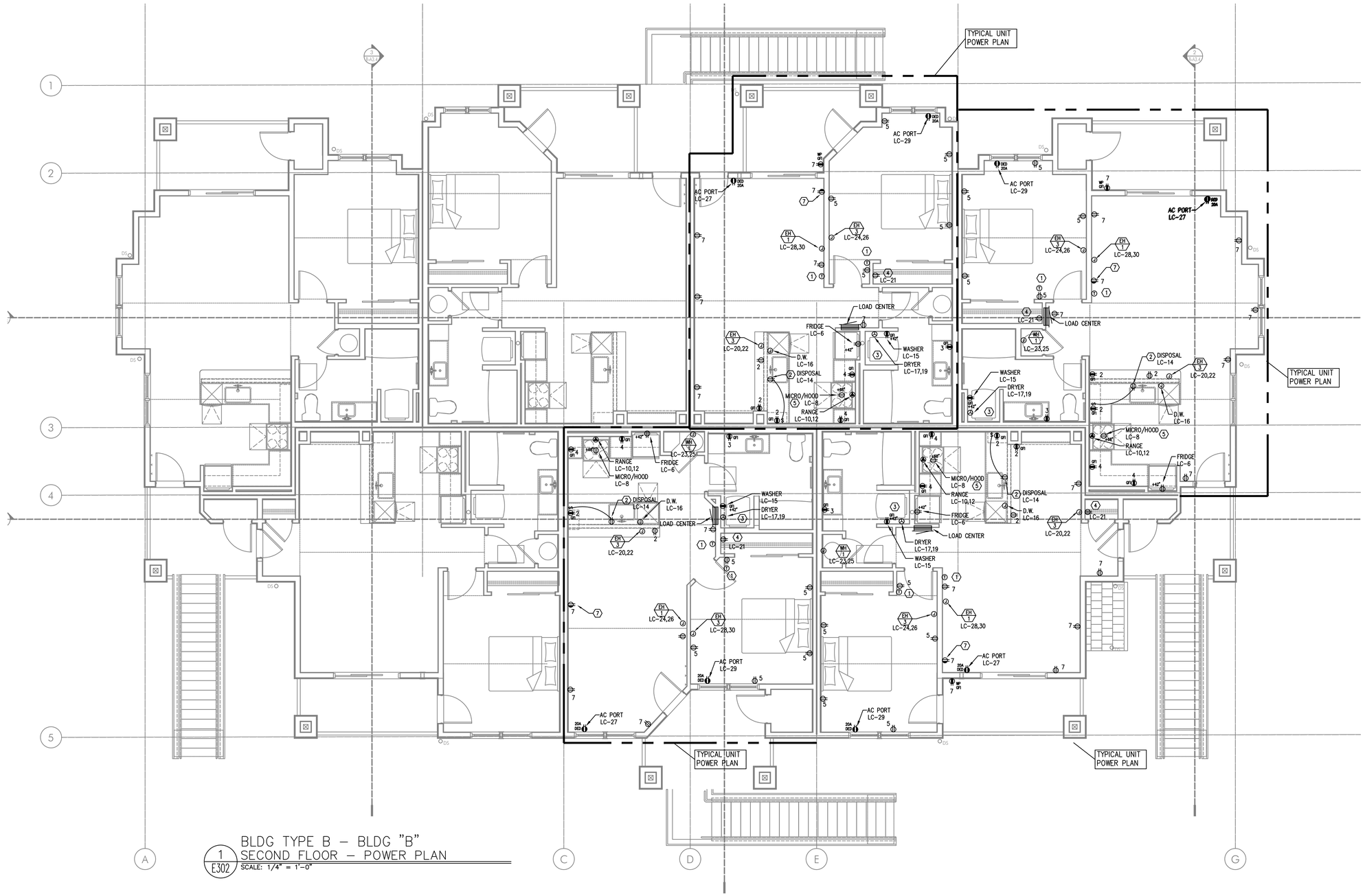

BLDG TYPE B – BLDG "B"
1 / E302 SECOND FLOOR – POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. 'PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
5. CONTRACTOR TO VERIFY POWER CONNECTION TYPE FOR THE HOOD/MICROWAVE PRIOR TO ROUGH IN. PROVIDE ONE DEDICATED 20A, 1P DUPLEX RECEPTACLE LOCATED INSIDE THE CABINET OVER THE RANGE FOR APPLIANCES SUPPLIED WITH CORD & PLUG SET. HOOD/MICROWAVES THAT ARE TO BE HARDWIRED, SHALL BE PROVIDED WITH THE DEDICATED CIRCUIT GOING TO A J-BOX WHICH IS TO BE MOUNTED DIRECTLY BEHIND THE APPLIANCE.
6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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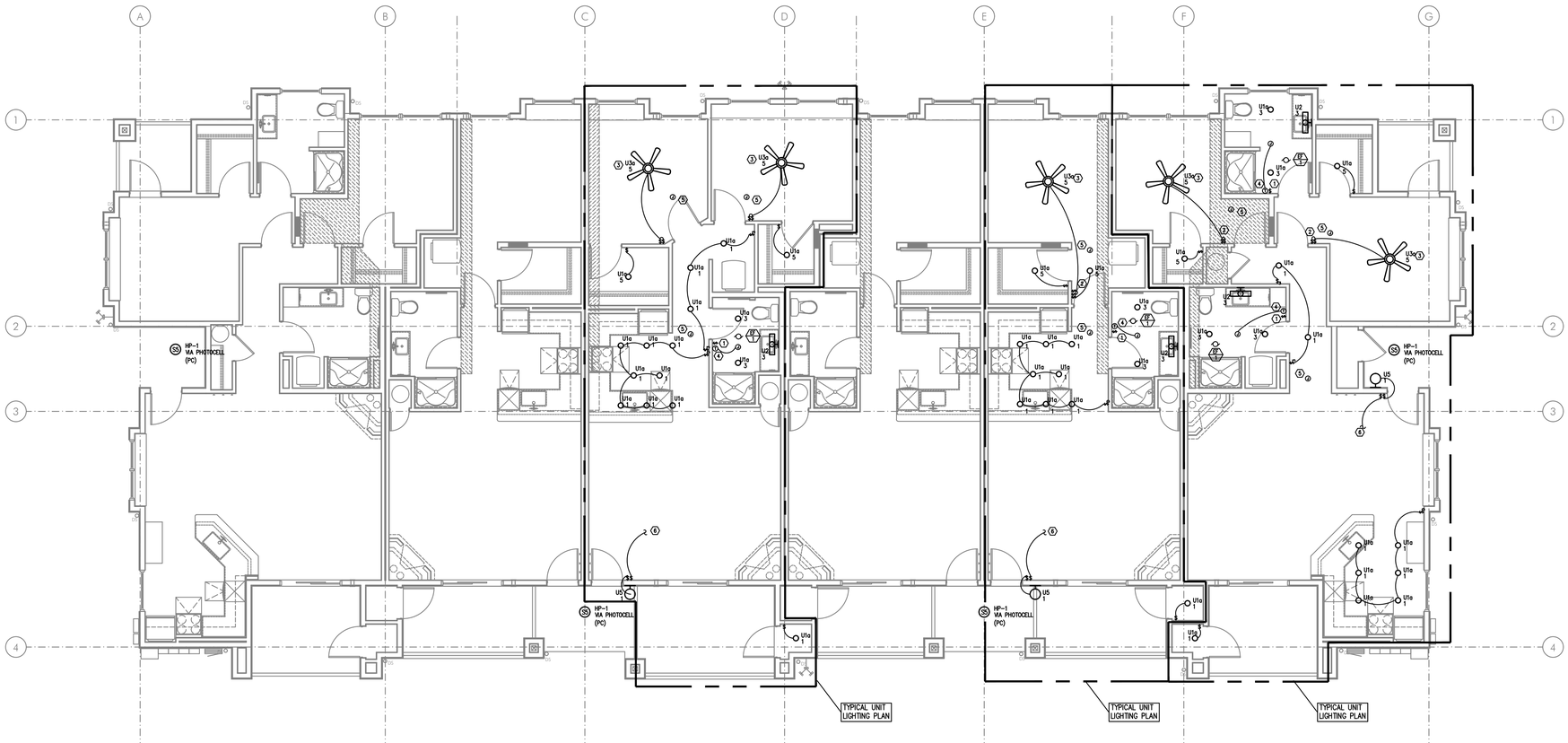

1 E2.01 BLDG TYPE C – BLDG 'D'
FIRST FLOOR – LIGHTING PLAN
SCALE: 3/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK-TILL-DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK-UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

⬡ KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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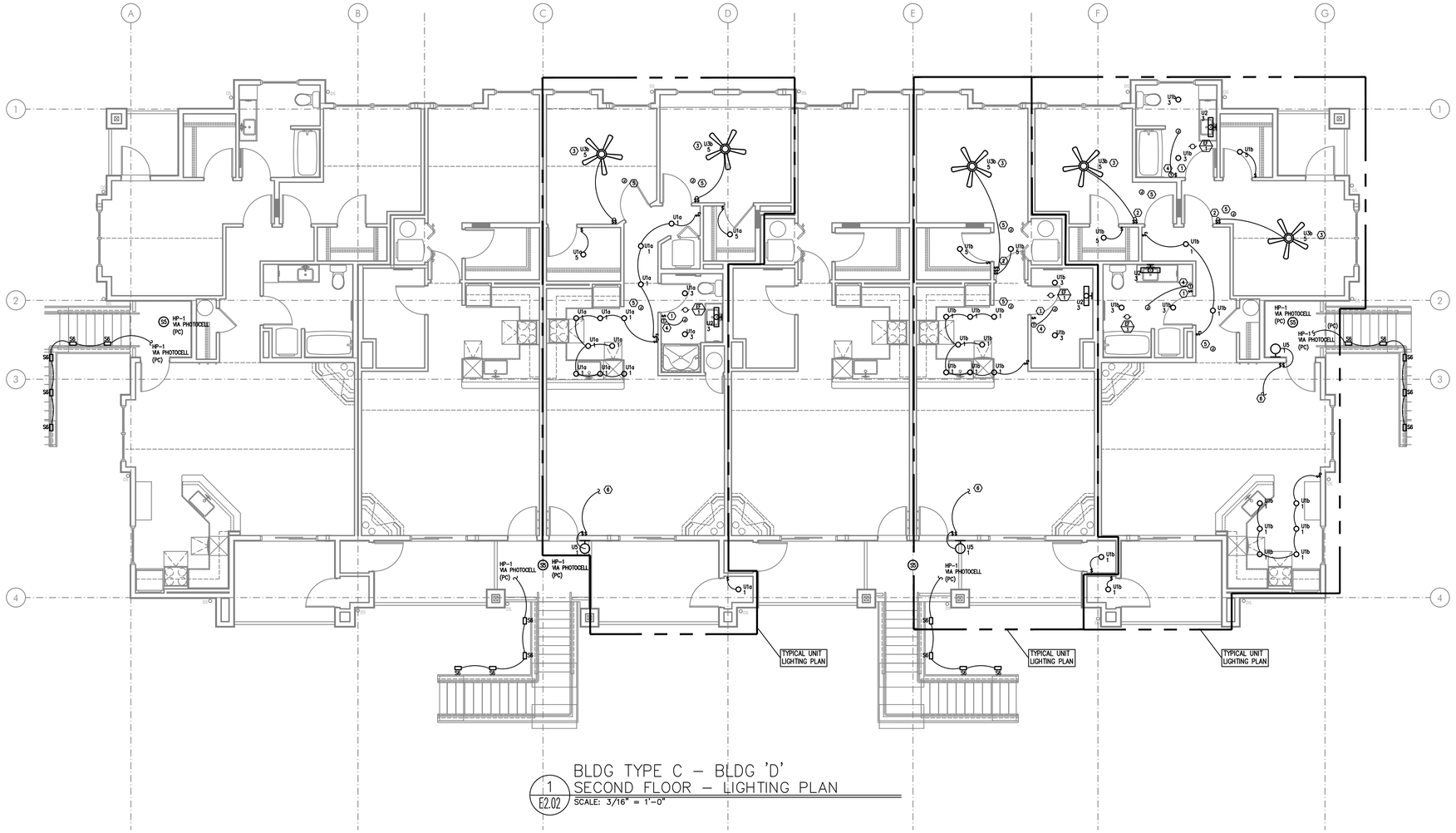
C-D
E2.01



BLDG TYPE C – BLDG 'D'
SECOND FLOOR – LIGHTING PLAN

1 / E2.02

SCALE: 3/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK–TILL–DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK–UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

⬡ KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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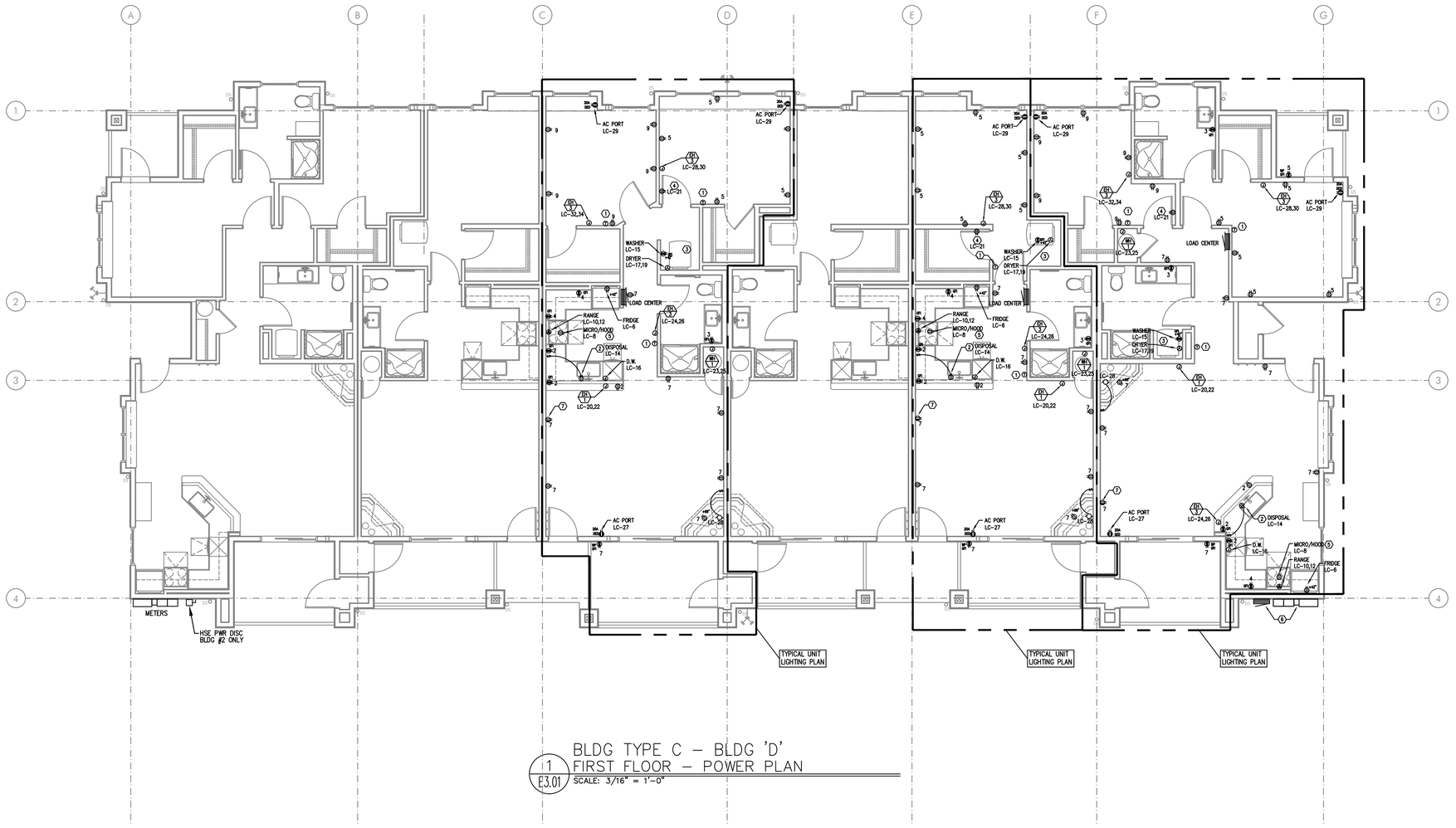
C-D
E2.02



BLDG TYPE C – BLDG 'D'
FIRST FLOOR – POWER PLAN

1 / E3.01 SCALE: 3/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

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E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. *PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
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6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
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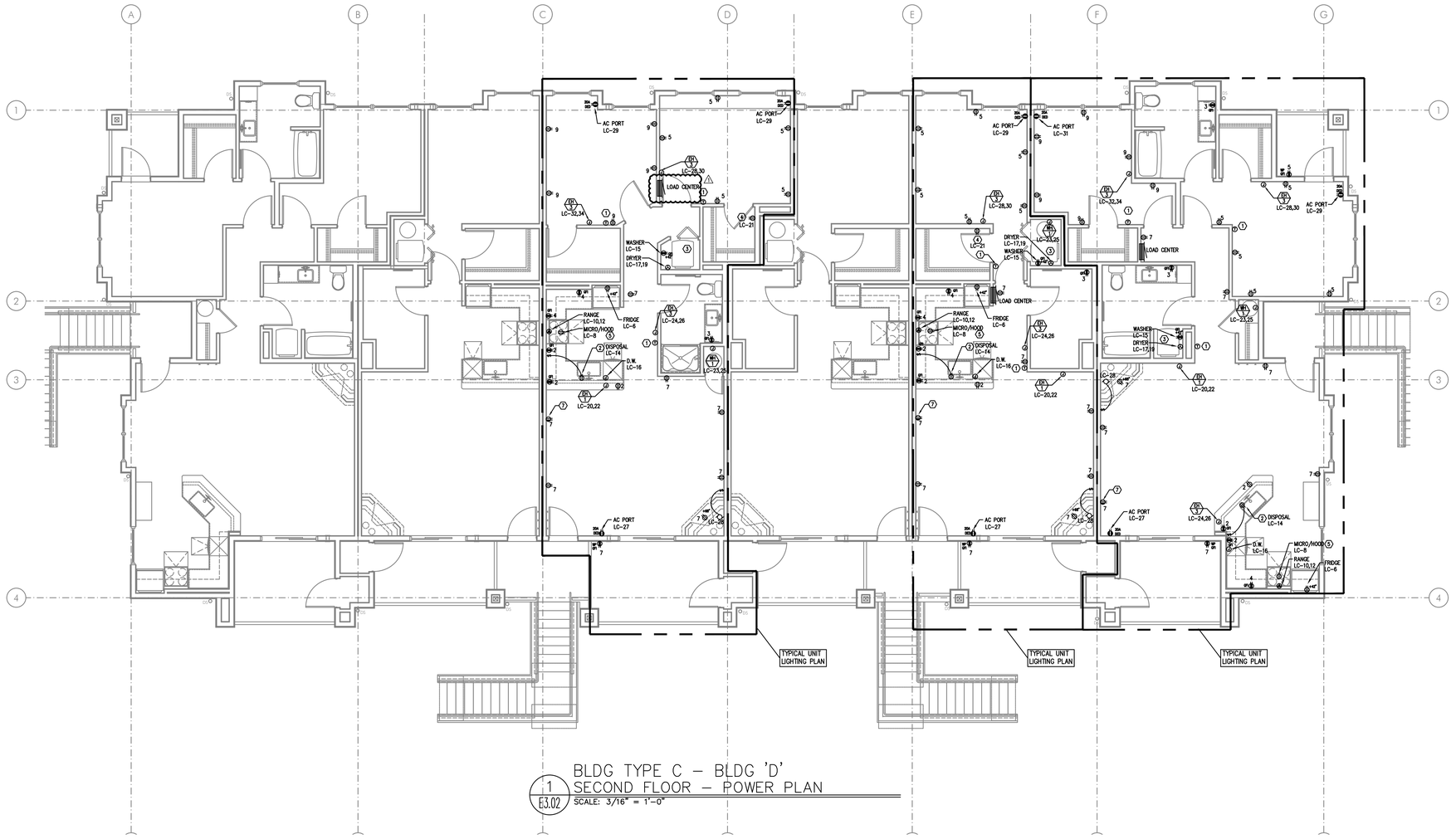

1 E3.02 BLDG TYPE C – BLDG 'D'
SECOND FLOOR – POWER PLAN
SCALE: 3/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

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D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. *PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
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7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

McKINNEY LANE APARTMENTS PHASE II
RUSSELL DRIVE & McKINNEY LANE
LEBANON, OREGON 97355

C-D
E3.02

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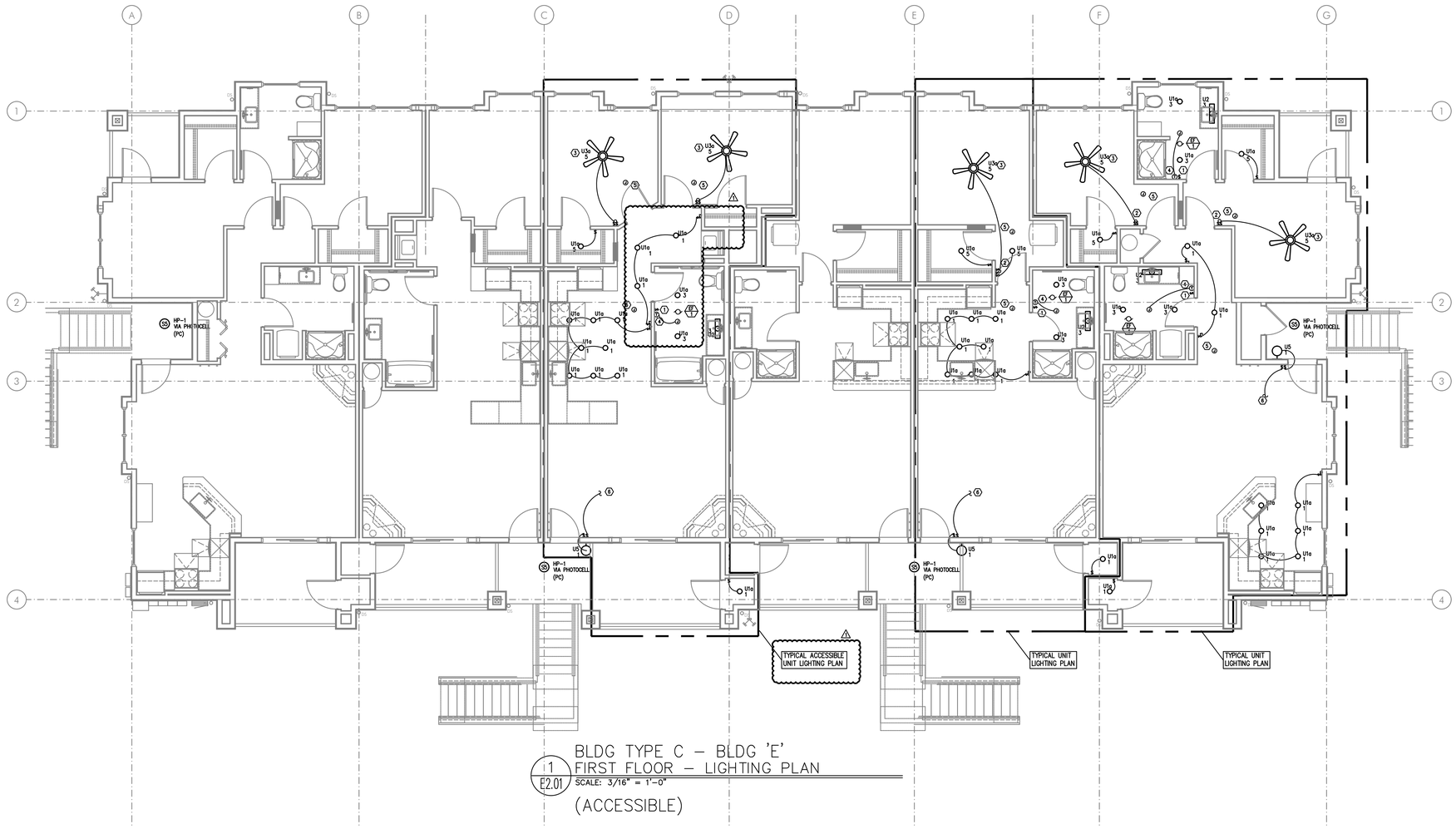

1 E2.01 BLDG TYPE C – BLDG 'E'
FIRST FLOOR – LIGHTING PLAN
SCALE: 3/16" = 1'-0"
(ACCESSIBLE)

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK-TILL-DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK-UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

⚠1 C. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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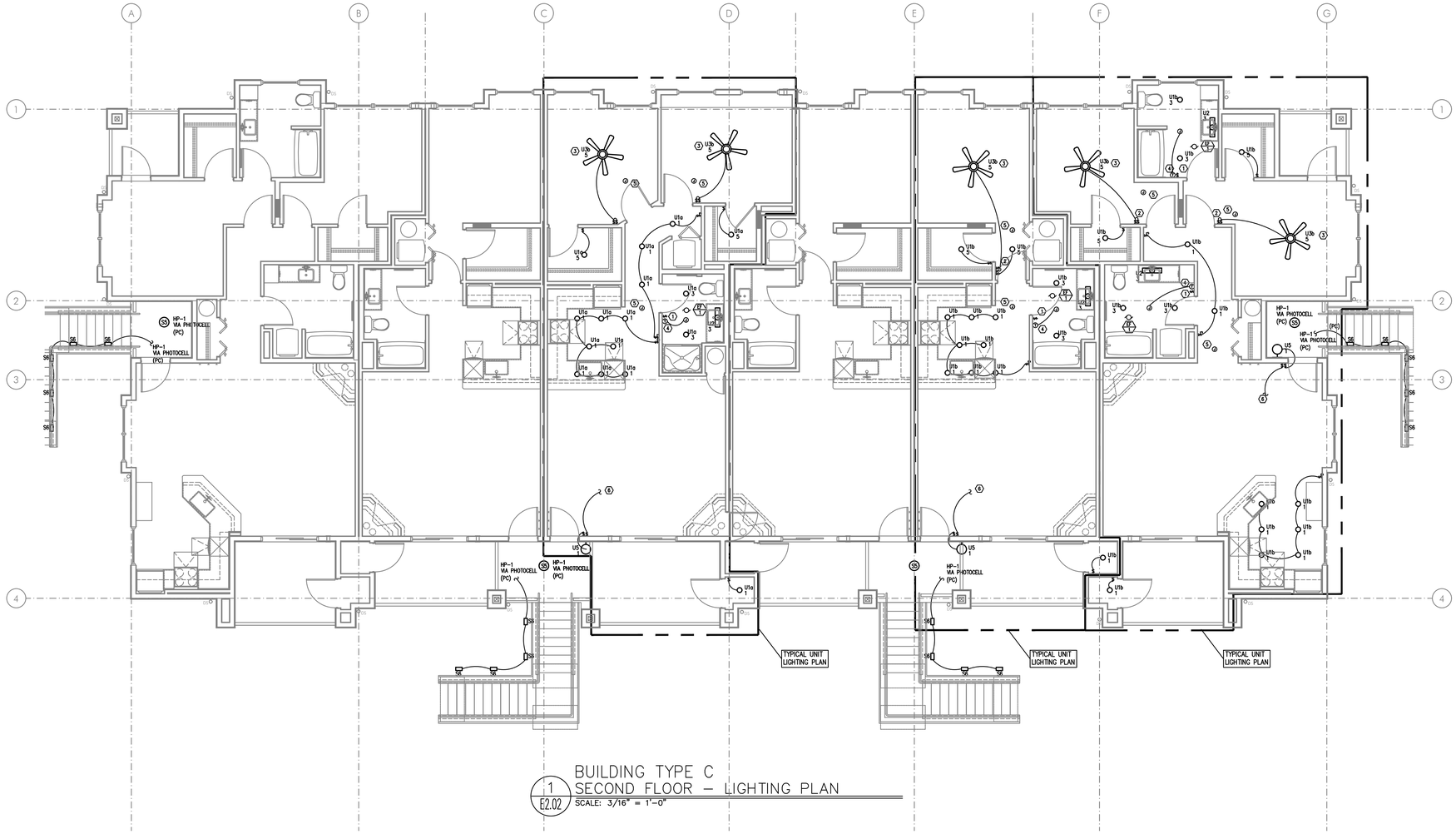

BUILDING TYPE C
1 / E2.02 SECOND FLOOR – LIGHTING PLAN
SCALE: 3/16" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK–TILL–DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK–UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

⚠1 G. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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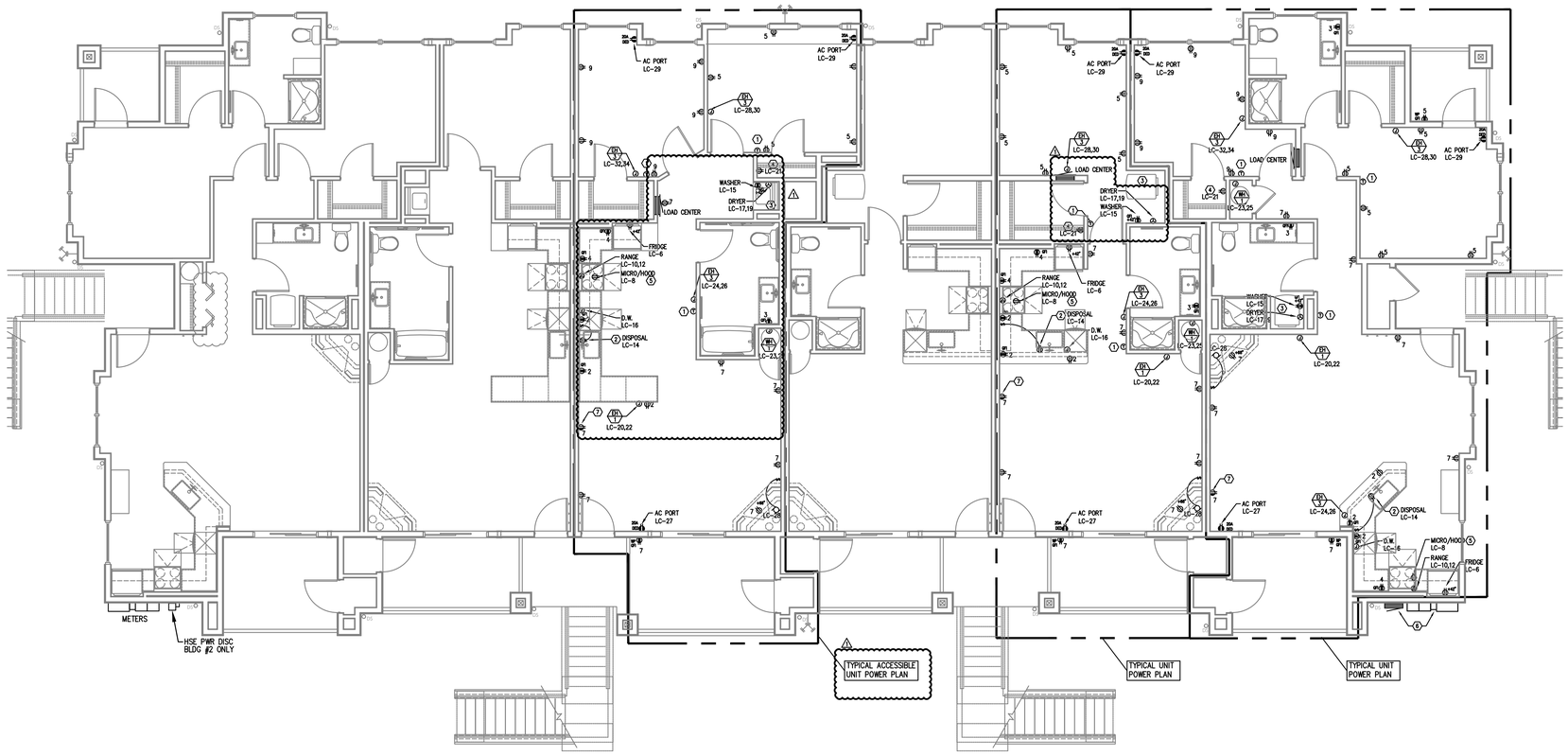

1 E3.01 BLDG TYPE C – BLDG 'E'
FIRST FLOOR – POWER PLAN
SCALE: 3/16" = 1'-0"
(ACCESSIBLE)

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⚠1 G. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. 'PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
5. CONTRACTOR TO VERIFY POWER CONNECTION TYPE FOR THE HOOD/MICROWAVE PRIOR TO ROUGH IN. PROVIDE ONE DEDICATED 20A, 1P DUPLEX RECEPTACLE LOCATED INSIDE THE CABINET OVER THE RANGE FOR APPLIANCES SUPPLIED WITH CORD & PLUG SET. HOOD/MICROWAVES THAT ARE TO BE HARDWIRED, SHALL BE PROVIDED WITH THE DEDICATED CIRCUIT GOING TO A J-BOX WHICH IS TO BE MOUNTED DIRECTLY BEHIND THE APPLIANCE.
6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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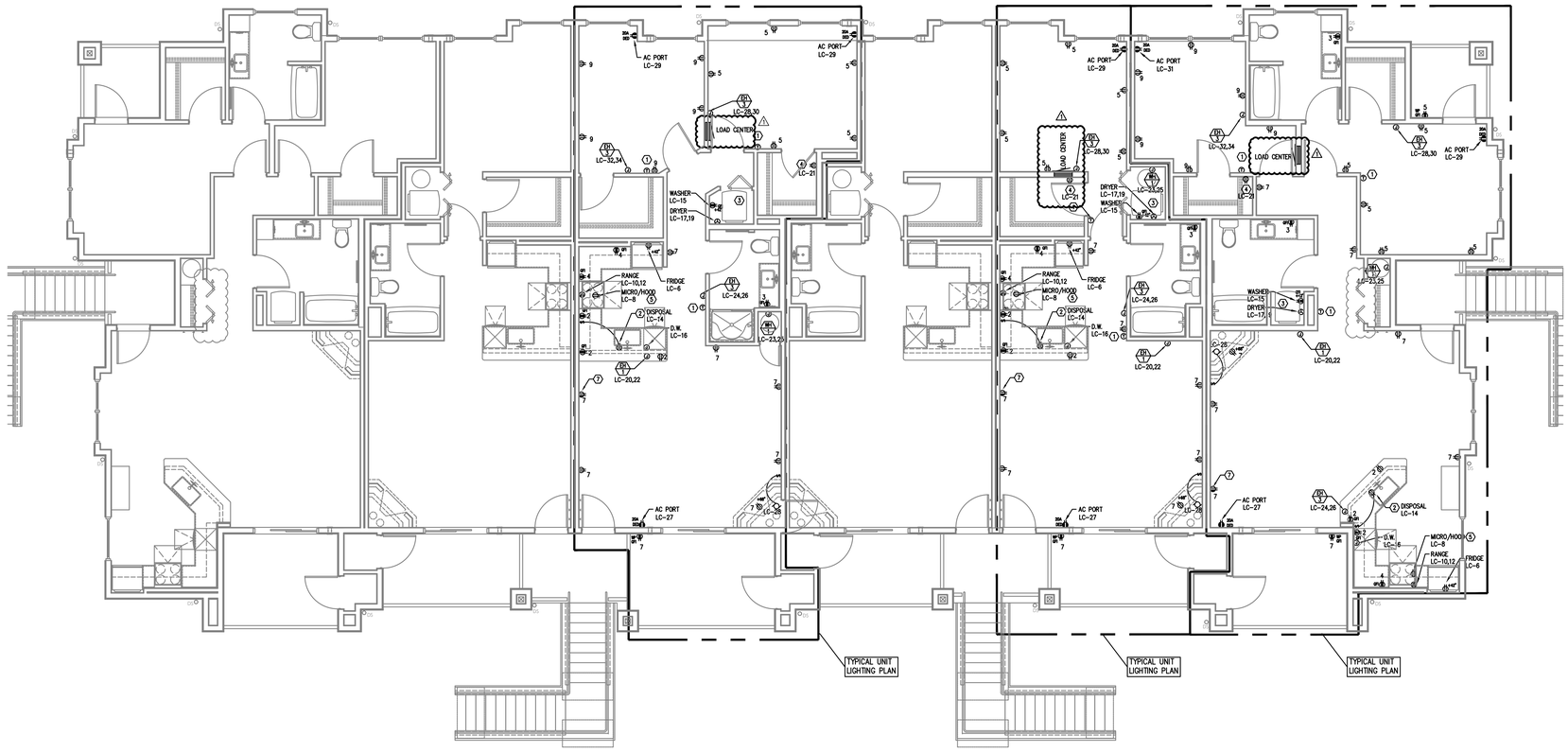

1 E3.02 BLDG TYPE C – BLDG 'E'
SECOND FLOOR – POWER PLAN
SCALE: 3/16" = 1'-0"

GENERAL POWER NOTES:

A. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

B. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

D. REFER TO INTERIOR DECORATOR AND/OR ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION(S) AND ELEVATIONS OF FIXTURES & DEVICES. OTHER DEVICES SHOWN ON THE ELECTRICAL PLANS AND NOT INDICATED ON THE DECORATOR'S OR ARCHITECT'S DRAWINGS, SHALL BE INSTALLED AT STANDARD MOUNTING HEIGHT AS INDICATED THE SYMBOL LIST.

E. BUILDING ELECTRICAL EQUIPMENT SHOWN IS APPROXIMATE, BASED ON INDUSTRY STANDARD PRODUCTS. CONTRACTOR SHALL VERIFY ANY SUBMITTED EQUIPMENT WILL FIT WITHIN THE SPACE PROVIDED, PRIOR TO PRODUCT SUBMITTAL REVIEW.

F. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

⚠ G. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED POWER NOTES:

1. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN.
2. *PROVIDE ONE 20A, 120V, 1P GFIC DUPLEX RECEPTACLE UNDER KITCHEN SINK FOR DISPOSAL POWER CONNECTION.
3. REFER TO DETAIL 1/E1.13 FOR TYPICAL LAUNDRY ALCOVE RECEPTACLE LOCATIONS. COORDINATE INSTALLATION WITH MECHANICAL & PLUMBING CONTRACTOR.
4. PROVIDE ONE 15A, RECEPTACLE CIRCUIT FROM TENANT LOAD CENTER FOR TELECOM SMART PANEL. COORDINATE WORK WITH SERVICE PROVIDER FOR EXACT LOCATION AND FINAL CONNECTION.
5. CONTRACTOR TO VERIFY POWER CONNECTION TYPE FOR THE HOOD/MICROWAVE PRIOR TO ROUGH IN. PROVIDE ONE DEDICATED 20A, 1P DUPLEX RECEPTACLE LOCATED INSIDE THE CABINET OVER THE RANGE FOR APPLIANCES SUPPLIED WITH CORD & PLUG SET. HOOD/MICROWAVES THAT ARE TO BE HARDWIRED, SHALL BE PROVIDED WITH THE DEDICATED CIRCUIT GOING TO A J-BOX WHICH IS TO BE MOUNTED DIRECTLY BEHIND THE APPLIANCE.
6. METER LOCATION PER UTILITY PROVIDER'S APPROVAL (PENDING). REFER TO ONE-LINE DIAGRAM ON SHEET E1.11. PROVIDE NEMA 3R LOCKING CABINET FOR HOUSE PANEL 'HP'. REFER TO SHEET E1.01 FOR METER & PANEL LOCATION(S) AT EACH BUILDING.
7. 15A SWITCHED SPLIT DULPEX RECEPTACLE. REFER TO LIGHTING PLANS (E2 SERIES SHEETS) FOR SWITCH LOCATION.

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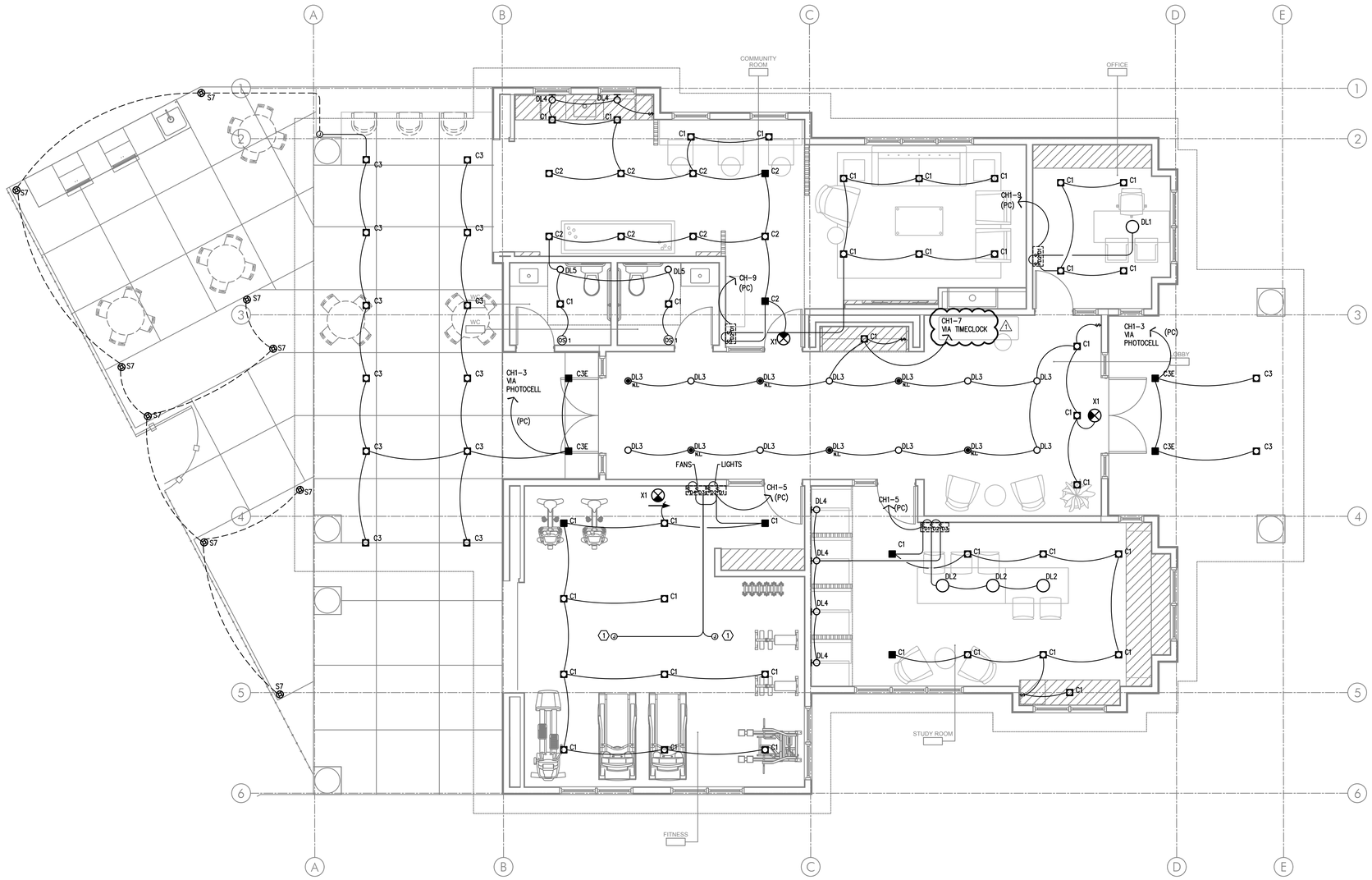

1 E5.01 CLUBHOUSE LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. OCCUPANCY SENSORS SHALL BE FIELD ADJUSTED TO ENSURE COVERAGE AND PROPER CONTROL.

G. ALL EGRESS FIXTURES SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER FAILURE, ALL LIGHTS WILL AUTOMATICALLY RETURN TO FULL POWER. REFER TO SWITCHING DETAILS ON SHEET E1.22.

H. EXTERIOR BUILDING LIGHTS TO BE CONTROLLED VIA INTEGRAL AND/OR REMOTE PHOTOCELL FOR DUSK-TILL-DAWN OPERATION. REFER TO LIGHT FIXTURE SCHEDULE ON SHEET E1.21 FOR ADDITIONAL INFORMATION.

I. ALL LIGHT FIXTURES DESIGNATED AS NIGHT LIGHTS (NL) SHALL BE CIRCUITED VIA TIME CLOCK TO AUTOMATICALLY TURN ON DURING PERIODS OF LOW ACTIVITY.

⚠1 J. COORDINATE WITH LANDSCAPE CONTRACTOR TO PROVIDE POWER FOR LIGHTING TO BE INSTALLED IN THE FUTURE POOL AREA. POWER SOURCE SHALL BE FROM THE POOL BRANCH PANEL ONCE INSTALLED. CONSULT WITH LANDSCAPE CONTRACTOR REGARDING LOCATION(S) AND ROUTE EMPTY CONDUIT(S) WITH PULL STRING & CAPPED AT BOTH ENDS AS REQUIRED.

⬡ KEYED NOTES:

1. CONTRACTOR TO PROVIDE BLOCKING ABOVE THE CEILING TO SUPPORT A MINIMUM OF 35LBS, FOR CEILING FANS. FANS ARE TO BE PROVIDED BY OTHERS AND INSTALLED BY ELECTRICAL CONTRACTOR.

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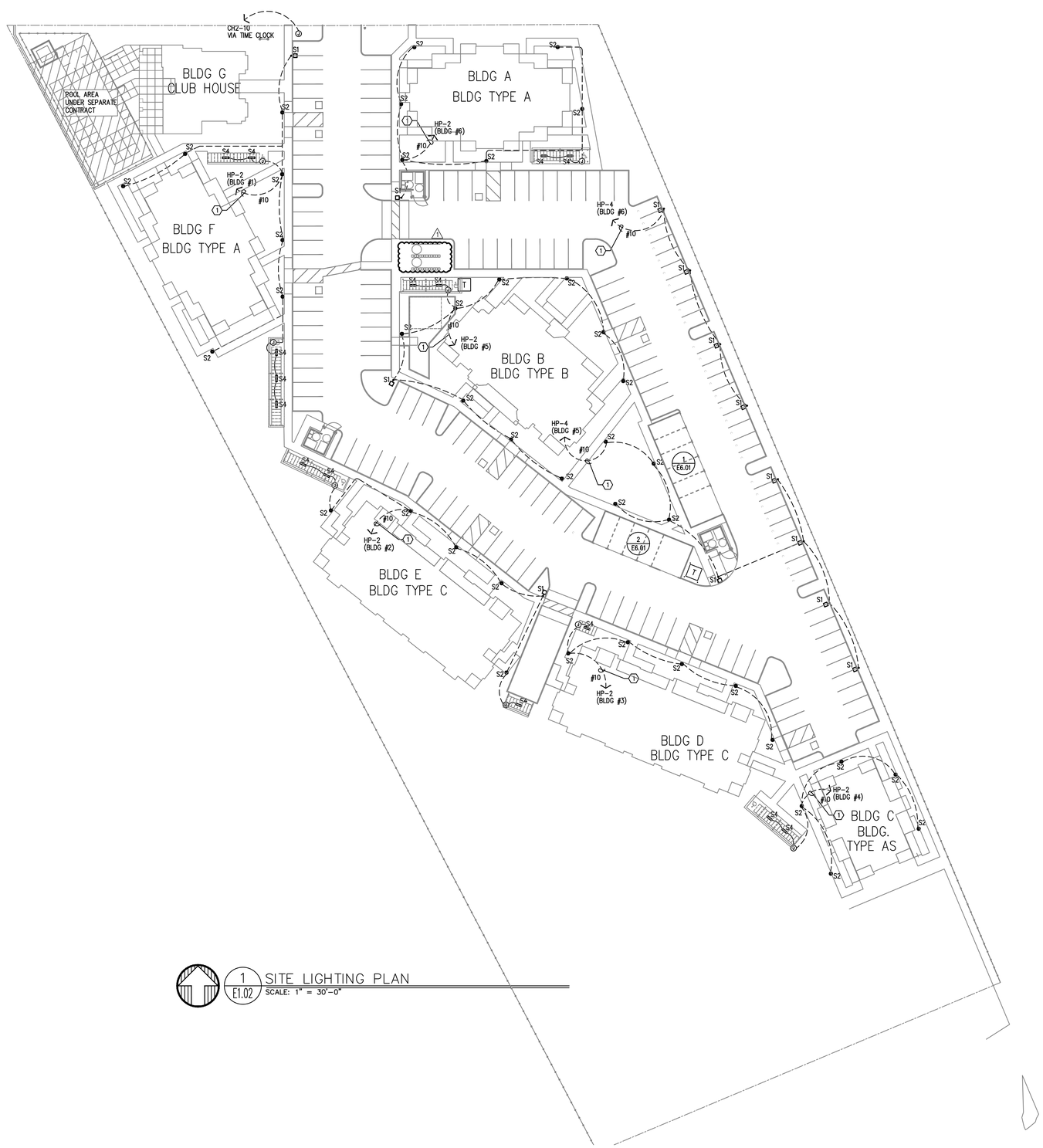

1 E1.02 SITE LIGHTING PLAN
SCALE: 1" = 30'-0"

GENERAL SITE LIGHTING NOTES:

A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATION CODES.

B. ALL PLANS ARE CONSIDERED DIAGRAMMATICAL. THEREFORE ALL EQUIPMENT SIZES AND DEVICE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD CONDITIONS AND PRODUCT APPROVAL.

C. REFER TO SHEETS E1.11 FOR ONE-LINE DIAGRAM, LOAD SUMMARY INFORMATION AND TYPICAL FEEDER SCHEDULE.

D. REFER TO SHEETS E2 SERIES SHEETS FOR EXTERIOR BUILDING LIGHTS.

E. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULE.

⬡ KEYED POWER NOTES:

1. 3/4" PVC CONDUIT ROUTED UNDER GROUND FROM HOUSE PANEL TO BUILDING STRUCTURE FOR LIGHTING CIRCUIT(S). REFER TO PANEL SCHEDULES ON SHEET E1.11 FOR ADDITIONAL INFORMATION.
2. 3/4" PVC CONDUIT ROUTED UNDER GROUND FROM HOUSE PANEL TO WEATHER PROOF J-BOX FOR MONUMENT SIGN LIGHTING. REFER TO PANEL SCHEDULES ON SHEET E1.11 FOR ADDITIONAL INFORMATION.

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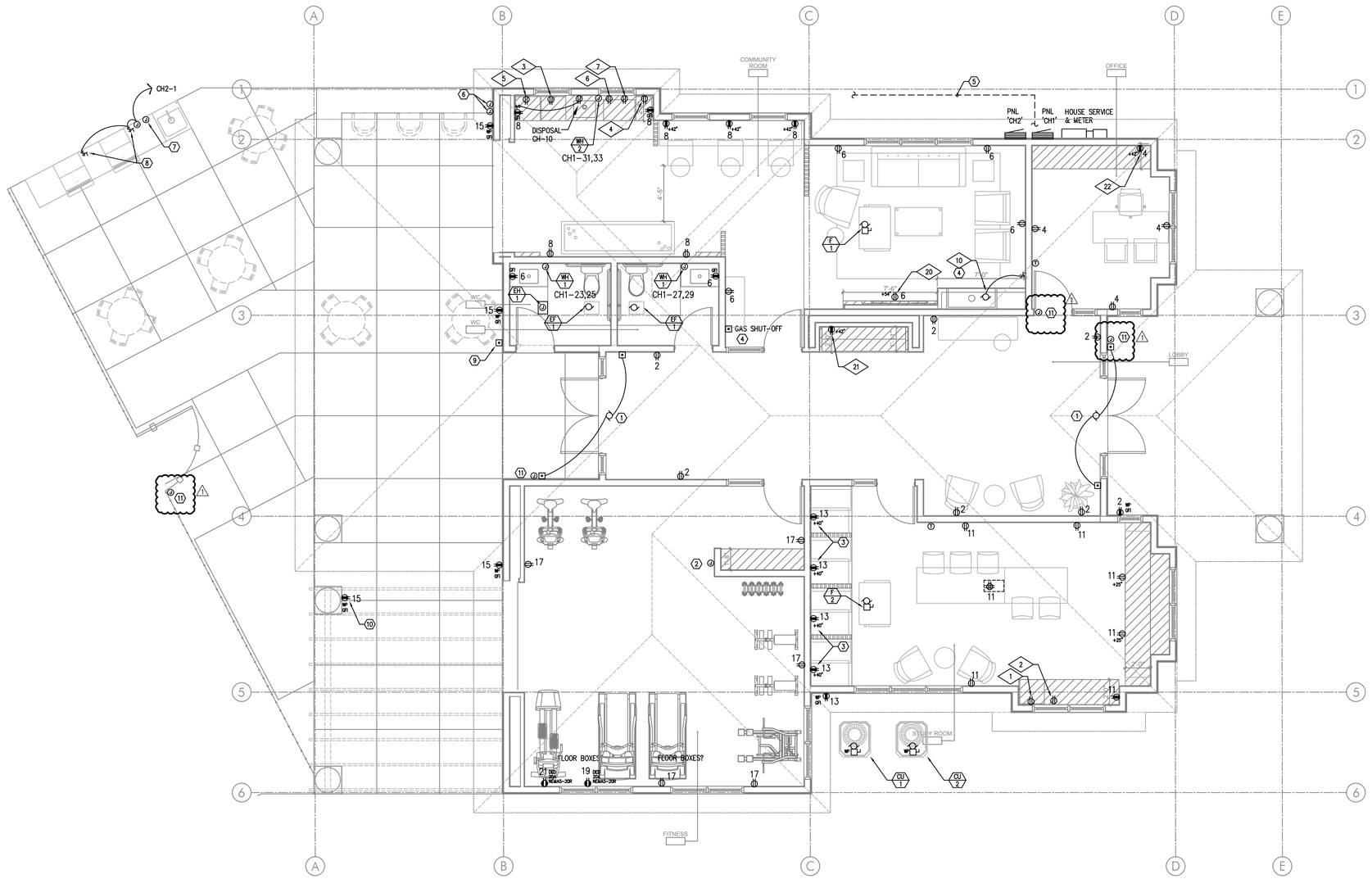

1 E5.02 CLUBHOUSE POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND/OR INTERIOR DESIGNER DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.11 FOR ELECTRICAL ONE-LINE DIAGRAM.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL AMENITY EQUIPMENT & APPLIANCES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

G. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

H. PROVIDE ROUGH IN, FOR WIFI SYSTEM, FIRE ALARM DEVICES, TELECOM DEVICES, SECURITY AND AUDIO SYSTEMS AS REQUIRED. REFER TO 'T' SERIES SHEETS FOR ADDITIONAL INFORMATION..

KITCHEN EQUIPMENT KEY:

FOR ADDITIONAL INFORMATION, REFER TO THE INTERIOR DESIGNER'S PLAN SET.

1. UNDER COUNTER REFRIGERATOR, PNL CH, CKT 28
2. MICROWAVE OVEN, PNL CH, CKT 30
3. UNDER COUNTER REFRIGERATOR, PNL CH, CKT 12
4. UNDER COUNTER ICE MAKER, PNL CH, CKT 14
5. KEGERATOR, PNL CH, CKT 8
6. WARMING DRAWER, PNL CH, CKT 16
7. MICROWAVE OVEN, PNL CH, CKT 18
10. FIREPLACE INSERT, PNL CH, CKT 20
20. FLAT SCREEN DISPLAY, PNL CH, CKT 6
21. COFFEE MAKER, PNL CH, CKT 22
22. PRINTER, PNL CH, CKT 4

KEYED NOTES:

1. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL CH, CKT 38 FOR AUTOMATIC DOOR OPENERS.
2. PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR DRINKING FOUNTAIN FROM PANEL CH, CKT 24. CONSULT MECHANICAL AND/OR PLUMBING CONTRACTOR FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH IN.
3. PROVIDE RECEPTACLE WITH TYPES A & C USB PORTS, LEVITON T5633-T OR APPROVED EQUAL.
4. CONSULT ARCHITECT AND/OR MECHANICAL PLANS FOR ADDITIONAL INFORMATION REGARDING THE FIREPLACE. PROVIDE ELECTRICAL CONNECTION(S) AS NEEDED FROM PANEL CH, CKT 20. PROVIDE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") FOR FIREPLACE IGNITER CONTROLS. INTERCONNECT WITH POWER VENT LOCATED ON ROOF. SEE DETAIL 4/E1.12 FOR EMERGENCY SHUFF-OFF DIAGRAM.
5. PROVIDE (1) 1 1/2" SCHEDULE 40 PVC CONDUIT (EMPTY) WITH PULL STRING, FROM HOUSE PANEL LOCATION TO FUTURE EQUIPMENT SHED FOR FUTURE POOL EQUIPMENT PANEL (100A MAX.) AND CAP AT BOTH ENDS. CONSULT ARCHITECT FOR EXACT LOCATION AND ROUTING. COORDINATE WORK WITH POOL CONTRACTOR.
6. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL CH, CKT 36 FOR LANDSCAPE EQUIPMENT.
7. PROVIDE ONE 20A, 120V, 1P CIRCUIT TO A WEATHER PROOF J-BOX IN THE GRILL CABINET, TIED INTO CIRCUIT CH-15, FOR GRILL LIGHT CONNECTION. COORDINATE LOCATION WITH THE LANDSCAPE DESIGNER PRIOR TO ROUGH IN.
8. PROVIDE ONE 120V TWIST TIMER SWITCH (MAX. 60 MINUTES, "NO HOLD") IN WEATHER PROOF BOX AT EACH GAS GRILL FOR IGNITER CONTROLS. CIRCUIT FROM PANEL 'CH2'. SEE DETAIL 4/E1.12 FOR EMERGENCY SHUFF-OFF DIAGRAM.
9. PROVIDE EMERGENCY SHUTOFF CONTROLS FOR GAS APPLIANCES LOCATED ON TERRACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. CIRCUIT FROM PANEL 'CH2'. SEE DETAIL 4/E1.12 FOR EMERGENCY SHUFF-OFF DIAGRAM. PROVIDE WEATHER PROOF LABEL EACH BUTTON WITH DEVICE IT CONTROLS.
10. MOUNT WEATHER PROOF GFCI RECEPTACLE NEAR THE BOTTOM SIDE OF THE PERGOLA FOR OWNER INSTALLED STRING LIGHTS.
11. PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM PANEL CH, FOR ACCESS CONTROL. REFER TO THE TELECOM PLANS FOR ADDITIONAL INFORMATION & COORDINATE INSTALLATION.

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1982 ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

McKINNEY LANE APARTMENTS PHASE II
RUSSELL DRIVE & McKINNEY LANE
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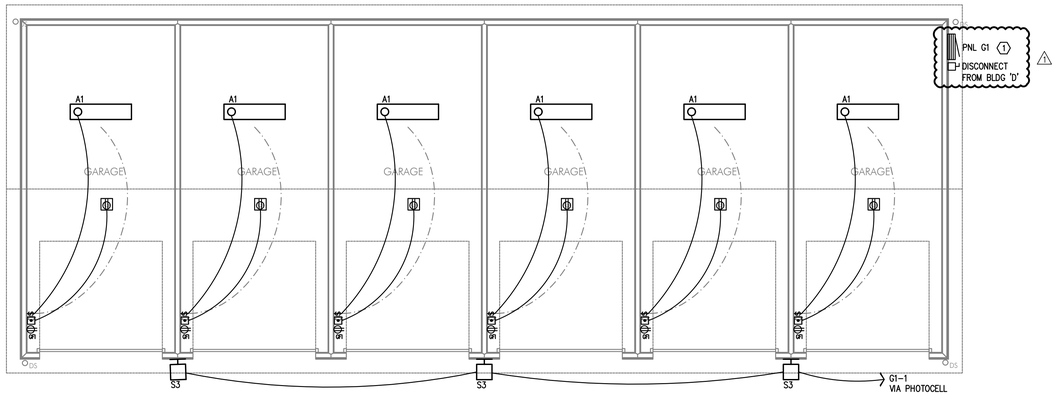
E5.02



1 E6.01 TYPICAL GARAGE ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND/OR INTERIOR DESIGNER DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.11 FOR ELECTRICAL ONE-LINE DIAGRAM.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL AMENITY EQUIPMENT & APPLIANCES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

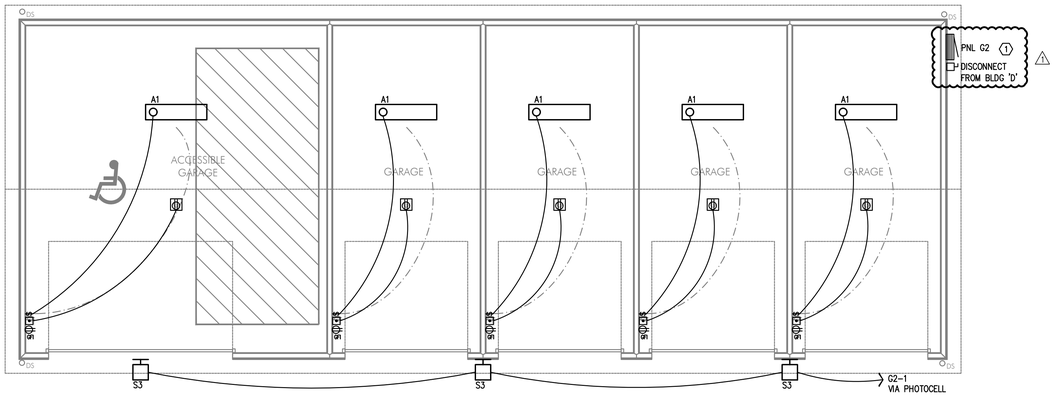
F. ELECTRICAL CONTRACTOR TO PROVIDE THERMOSTATS NOT SUPPLIED BY MECHANICAL CONTRACTOR. CONSULT MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

G. ELECTRICAL CONTRACTOR SHALL PROVIDE INSTALLATION AND FINAL CONNECTION OF THERMOSTATS. CONSULT MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH IN.

H. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOW VOLTAGE ('T' SERIES) PLANS, INCLUDING FIRE ALARM AND SYSTEMS INSTALLER, AND PROVIDE ROUGH IN AS NEEDED.

KEYED NOTES:

1. GARAGE PANELS ARE TO BE NEMA 3R WITH LOCKING COVER. GARAGES ARE FED FROM THE HOUSE PANEL AT BUILDING XX. PROVIDE xxA WEATHER PROOF DISCONNECT AHEAD OF THE PANEL AS SHOWN.



2 E6.01 TYPICAL ADA GARAGE ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

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E6.01

1 E1.03 PARKING AREA PHOTOMETRIC STUDY
SCALE: 1" = 30'-0"

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	S1	13	AA-20166-1-W30-Rev.2	Atlantic sheppards crook single medium shade post top LED	1 LED COB 3000K 0.4247,0.3936 3130K Ra84	S1 AA-20166-1-W30-Rev.2.IES	Absolute	1.00	41.2
	S2	40		photoplaALMNRF-L18-YF20photopia	LED 0.959W XLAMP OUTDOOR WHITE (350MA) (CORE ONLY)	S2 NRF-LE070--L18-30-CNS-YF20.ULS.ies	Absolute	1.00	70
	S3	5	AA-30186-1-W30-Rev.2	Atlantic sheppards crook medium shade wall light LED	1 LED COB 3000K 0.4247,0.3936 3130K Ra84	S3 AA-30186-1-W30-Rev.2.IES	Absolute	1.00	41.2
	S4	17	FEM L48 3000LM LPPFL PGD 90CRI 30K	FEM LED 48", 3,000 lumens, polycarbonate, low profile frosted lens, parking garage distribtuion, 90 CRI, 3000 K		S4 FEM_L48_3000LM_LPPFL_PGD__90CRI_30K.ies	Absolute	1.00	18.05

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking 1	+	0.9 fc	3.8 fc	0.2 fc	19.0:1	4.5:1
Parking 2	+	0.9 fc	4.4 fc	0.2 fc	22.0:1	4.5:1
Parking 3	+	0.8 fc	3.8 fc	0.2 fc	19.0:1	4.0:1
Parking 4	+	1.2 fc	8.5 fc	0.3 fc	28.3:1	4.0:1
Parking 5	+	0.6 fc	2.1 fc	0.2 fc	10.5:1	3.0:1

NOTES:

1. Photometric studies are for reference only and shall not be used for construction purposes. Refer to the electrical site plan sheet, E1.02 for additional information.

2. Photometric data is based on manufacturer provided IES files. Illuminance calculations are approximate and may differ from actual field measurements.

3. Refer to Light Fixture Schedule on sheet E1.21 for fixture type, lamp, and pole heights.

4. Data does not factor in existing light fixtures on adjacent properties or at the street.

5. For the purposes of this study, areas with "0.0" lumen levels have been masked to provide the statistics shown in the table.

6. This study does not factor in building mounted light fixtures (other that those at the garages).

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E1.03

1 E1.04 PEDESTRIAN AREAS PHOTOMETRIC STUDY
SCALE: 1" = 30'-0"

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
○	S1	13	AA-20166-1-W30-Rev.2	Atlantic sheppards crook single medium shade post top LED	1 LED COB 3000K 0.4247,0.3936 3130K Ra84	S1 AA-20166-1-W30-Rev.2.IES	Absolute	1.00	41.2
✱	S2	41		photopiaALMNRF-L18-YF20photopia	LED 0.959W XLAMP OUTDOOR WHITE (350MA) (CORE ONLY)	S2 NRF-LE070-L18-30-CNS-YF20-ULS.ies	Absolute	1.00	70
⌒	S3	5	AA-30186-1-W30-Rev.2	Atlantic sheppards crook medium shade wall light LED	1 LED COB 3000K 0.4247,0.3936 3130K Ra84	S3 AA-30186-1-W30-Rev.2.IES	Absolute	1.00	41.2
|	S4	17	FEM L48 3000LM LPFFL PGD 90CRI 30K	FEM LED 48", 3,000 lumens, polycarbonate, low profile frosted lens, parking garage distribtuion, 90 CRI, 3000 K		S4 FEM_L48_3000LM_LPFFL_PGD_90CRI_30K.ies	Absolute	1.00	18.05

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Bldg 5 & Grounds	+	2.3 fc	6.6 fc	0.3 fc	22.0:1	7.7:1
Bldg 6 Walks	+	2.2 fc	4.9 fc	0.2 fc	24.5:1	11.0:1
Bldg #2, 3, 4	+	2.4 fc	6.0 fc	0.2 fc	30.0:1	12.0:1
Cludhouse/Bldg #1 Walks	+	2.3 fc	5.0 fc	0.4 fc	12.5:1	5.8:1

NOTES:

1. Photometric studies are for reference only and shall not be used for construction purposes. Refer to the electrical site plan sheet, E1.02 for additional information.

2. Photometric data is based on manufacturer provided IES files. Illuminance calculations are approximate and may differ from actual field measurements.

3. Refer to Light Fixture Schedule on sheet E1.21 for fixture type, lamp, and pole heights.

4. Data does not factor in existing light fixtures on adjacent properties or at the street.

5. For the purposes of this study, areas with "0.0" lumen levels have been masked to provide the statistics shown in the table.

6. This study does not factor in building mounted light fixtures (other that those at the garages).

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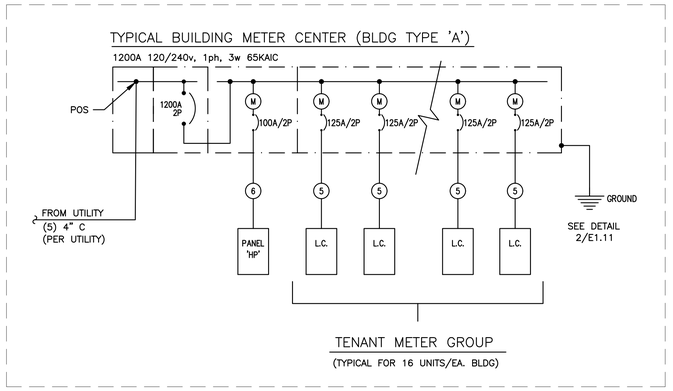
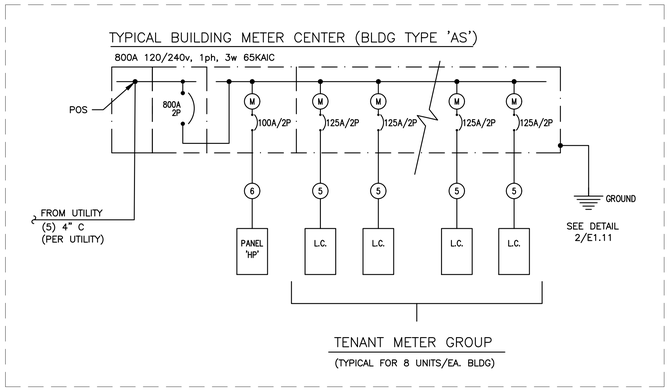
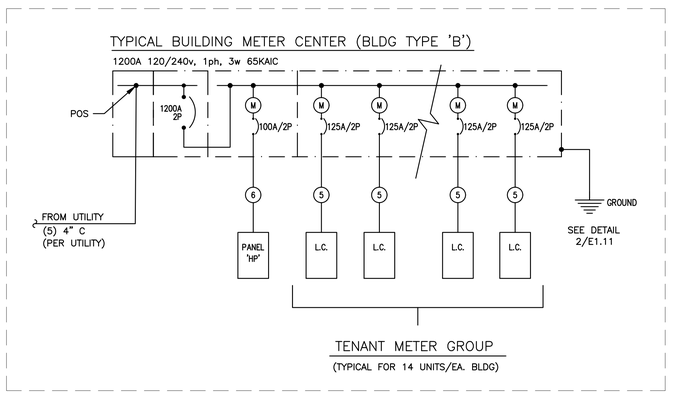
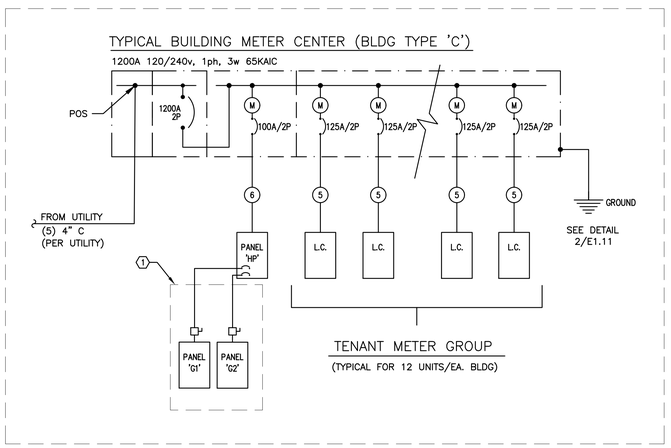
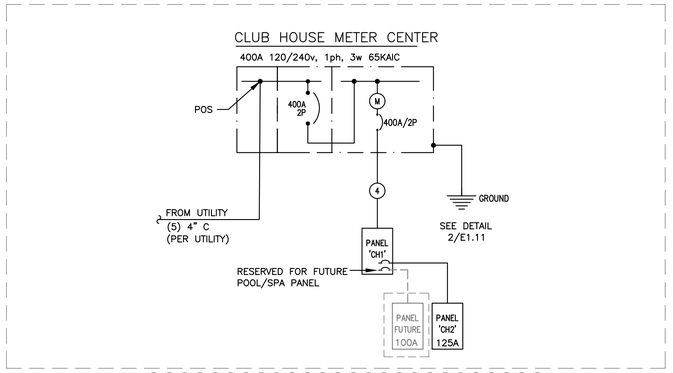
E1.04

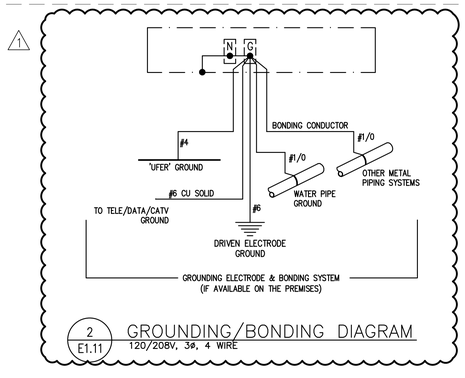












2 E1.11 GROUNDING/BONDING DIAGRAM
120/208V, 3ø, 4 WIRE

1 E1.11 ELECTRICAL ONE-LINE DIAGRAMS (BY TYPICAL BUILDING TYPE)
120/240v, 1ph, 3w

MECHANICAL EQUIPMENT SCHEDULE

NO.	EQUIPMENT NAME	HP/KW	VOLTS	PH	AMPS	CONDUIT	WIRE	GND	CIRCUIT
EF-1	EXHAUST FAN NO.1	11.7W	120	1		1/2"	#12	#12	SEE POWER PLANS
EH-1	ELECTRIC WALL HEATER NO.1	4.0 KW	240	1		1/2"	#12	#12	SEE POWER PLANS
EH-2	ELECTRIC WALL HEATER NO.2	500W	120	1		1/2"	#12	#12	SEE POWER PLANS
EH-3	ELECTRIC WALL HEATER NO.3	1.5 KW	240	1		1/2"	#12	#12	SEE POWER PLANS
EH-4	ELECTRIC WALL HEATER NO.4	500W	120	1		1/2"	#12	#12	SEE POWER PLANS
F-1	FAN COIL NO.1		120	1	11.7 MCA	1/2"	#12	#12	CH2-3
CU-1	CONDENSER NO.1		240	1		3/4"	#8	#10	CH2-5,7
F-2	FAN COIL NO.2		120	1	11.7 MCA	1/2"	#12	#12	CH2-9
CU-2	CONDENSER NO.2		240	1		3/4"	#8	#10	CH2-11,13
WH-1	WATER HEATER NO.1	4.5 KW	240	1		1/2"	#12	#12	SEE POWER PLANS

GENERAL EQUIPMENT NOTES:

A. CONTRACTOR/DESIGNER SHALL VERIFY ALL MECHANICAL EQUIPMENT CONNECTION LOAD REQUIREMENTS WITH THE MECHANICAL EQUIPMENT PROVIDER PRIOR TO ROUGH IN.

B. MECHANICAL EQUIPMENT SIZES SHOWN IN THE MECHANICAL SCHEDULE ABOVE ARE FOR REFERENCE ONLY AND MAY NOT REFLECT THE ACTUAL EQUIPMENT TO BE INSTALLED.

FEEDER SCHEDULE (COPPER)

NO.	AMPS	CONDUIT	CONDUCTOR
1		*(5) 4"	BY UTILITY CO. & (1) GND
2	1200A	4"	ea w/ (3) #600Kcmil & (1) #3/0 GND
3	800A	4"	ea w/ (3) #600Kcmil & (1) #1/0 GND
4	400A	3"	ea w/ (3) #500Kcmil & (1) #3 GND
5	125A	1 1/2"	(3) #1 & (1) #6 GND
6	100A	1 1/2"	(3) #1 & (1) #8 GND
7	60A	1"	(3) #4 & (1) #10 GND

* PARALLEL FEEDER

ONE-LINE GENERAL NOTES:

A. COORDINATE ALL WORK ASSOCIATED WITH ELECTRIC SERVICE WITH LOCAL UTILITY. PROVIDE ALL CONDUIT & CONDUCTORS, GROUNDING, TRANSFORMER VAULT/PAD, ETC., IN ACCORDANCE WITH SERVING UTILITY REQUIREMENTS.

B. COORDINATE METERING REQUIREMENTS WITH UTILITY.

C. FOR LOAD CENTER FEEDER LENGTHS GREATER THAN 145'-0" FROM METER CENTER, INCREASE WIRE SIZE ONE SIZE UP FOR VOLTAGE DROP.

ONE-LINE KEYED NOTES:

1 GARAGES SUB-FED FROM BUILDING #3 ONLY.

MFIA PANEL SCHEDULE — 29-Oct-20

panel		mounting		location		connected load	
Pnl HP (Typical)		*Surface NEMA 3R		Bldg Exterior		40	
voltage		phase		bus & main		calculated load	
120/240V		1		100A MLO		40	
C service	va	o/p	no.	L1 L2	no.	o/p	va	service	C
1 LTS & RECEPT - BLDG EXTERIOR		20/1	1	*	2	20/1		LIGHTING - SITE	1
1 EH-4 - RISER ROOM	500	20/1	3	*	4	20/1		LIGHTING - SITE	1
SPARE		20/1	5	*	6	20/1		SPARE	
SPARE		20/1	7	*	8	20/1		SPARE	
7 **GARAGE #1	3000	60/2	9	*	10	60/2	3000	**GARAGE #2	7
7 *	1500	*	11	*	12	*	1500	*	7
BLANK			13	*	14			BLANK	
BLANK			15	*	16			BLANK	
BLANK			17	*	18			BLANK	
BLANK			19	*	20			BLANK	
BLANK			21	*	22			BLANK	
BLANK			23	*	24			BLANK	
BLANK			25	*	26			BLANK	
BLANK			27	*	28			BLANK	
BLANK			29	*	30			BLANK	
BLANK			31	*	32			BLANK	
BLANK			33	*	34			BLANK	
BLANK			35	*	36			BLANK	
BLANK			37	*	38			BLANK	
BLANK			39	*	40			BLANK	
BLANK			41	*	42			BLANK	
Line 1	6000 VA	NOTES:				line-line voltage	
Line 2	3500 VA	*PROVIDE PANEL WITH LOCKING COVER.				240	
		**BLDG 'D' PANEL ONLY				largest motor (va)	
Total Connected	9500 VA					0	
load code:	line 1	line 2			total	factor	calculated load (va)
1. LIGHTS=	0	0			VA	0	1.25	0
2. RECEPT.=	0	0			VA	0	1 + 0.5	0
3. HEATING=	0	500			VA	500	1.00	500
4. KITCHEN=	0	0			VA	0	1.00	0
5. EQUIP.=	0	0			VA	0	1.00	0
6. MOTORS=	0	0			VA	0	*	0
7. SUB-PANEL.=	6000	3000			VA	9000	1.00	9000
(* 125% of the largest motor + 100% of the balance)						TOTAL =		9500

MFIA PANEL SCHEDULE — 29-Oct-20

panel		mounting		location		connected load	
PANEL CH1 (CLUBHOUSE)		*Surface NEMA 3R		BUILDING EXTERIOR		259	
voltage		phase		bus & main		calculated load	
120/240V		1		400A MLO		262	
C service	va	o/p	no.	L1 L2	no.	o/p	va	service	C
1 LIGHTS - SITE		20/1	1	*	2	20/1	1440	RECEPTACLES	2
1 LIGHTS - BLDG EXTERIOR	531	20/1	3	*	4	20/1	720	RECEPTACLES	2
1 LIGHTS - INTERIOR	990	20/1	5	*	6	20/1	1080	RECEPTACLES	2
1 LIGHTS - INTERIOR	138	20/1	7	*	8	20/1	1260	RECEPT & #5 KEG COOLER	2
1 LIGHTS - INTERIOR	780	20/1	9	*	10	20/1	900	DISPOSAL	5
2 RECEPTACLES	1440	20/1	11	*	12	20/1	1500	UC FRIDGE #3	5
2 RECEPTACLES	900	20/1	13	*	14	20/1	1500	UC ICE MAKER #4	5
2 RECEPTACLES	900	20/1	15	*	16	20/1	1500	WARMING DRAWER #6	5
2 RECEPTACLES	900	20/1	17	*	18	20/1	1500	MICROWAVE #7	5
5 TREADMILL	1500	20/1	19	*	20	20/1	1500	FIRE PLACE & SHUT OFF	5
5 TREADMILL	1500	20/1	21	*	22	20/1	1500	COFFEE MAKER #20	5
3 WATER HEATER WH-1	1500	20/2	23	*	24	20/1	1500	WATER FOUNTAIN	5
3 *	1500	*	25	*	26	20/1	1500	ACCESS CONTROL SYSTEM	5
3 WATER HEATER WH-1	1500	20/2	27	*	28	20/1	1500	UC FRIDGE #1	5
3 *	1500	*	29	*	30	20/1	1500	MICROWAVE #2	5
3 WATER HEATER WH-2	1000	20/2	31	*	32	20/1	0	SPARE	
3 *	1000	*	33	*	34	20/1	0	SPARE	
SPARE	0	20/1	35	*	36	20/1	0	SPARE	
SPARE	0	20/1	37	*	38	20/1	0	SPARE	
7 SPARE (FUTURE POOL PANEL)	0	100/2	39	*	40	100/2	13644	PANEL CH2	7
7 *	0	*	41	*	42	*	10644	*	7
Line 1	30634 VA	NOTES:				line-line voltage	
Line 2	31633 VA	*PROVIDE PANEL WITH LOCKING COVER.				240	
						largest motor (va)	
Total Connected	62267 VA					0	
load code:	line 1	line 2			total	factor	calculated load (va)
1. LIGHTS=	1770	669			VA	2439	1.25	3049
2. RECEPT.=	4320	4320			VA	8640	1 + 0.5	8640
3. HEATING=	4000	4000			VA	8000	1.00	8000
4. KITCHEN=	0	0			VA	0	1.00	0
5. EQUIP.=	9900	9000			VA	18900	1.00	18900
6. MOTORS=	0	0			VA	0	*	0
7. SUB-PANEL.=	10644	13644			VA	24288	1.00	24288
(* 125% of the largest motor + 100% of the balance)						TOTAL =		62877

MFIA PANEL SCHEDULE — 25-Aug-20

panel		mounting		location		connected load	
PANEL CH2 (CLUBHOUSE)		*Surface NEMA 3R		BUILDING EXTERIOR		101	
voltage		phase		bus & main		calculated load	
120/240V		1		125A MLO		101	
C service	va	o/p	no.	L1 L2	no.	o/p	va	service	C
5 GAS GRILLS & SHUT OFF	1500	20/1	1	*	2	20/1	1500	FA/TELECOM	5
5 F-1	1356	20/1	3	*	4	20/1	1500	SECURITY	5
5 CU-1	3144	40/2	5	*	6	20/1	1500	IRRIGATION	5
6 *	3144	*	7	*	8	20/1	1500	AUTO DOORS	5
5 F-2	1356	20/1	9	*	10	20/1	1500	MONUMENT SIGN	5
6 CU-2	3144	40/2	11	*	12	20/1		SPARE	
6 *	3144	*	13	*	14	20/1		SPARE	
SPARE		20/1	15	*	16	20/1		SPARE	
BLANK			17	*	18			BLANK	
BLANK			19	*	20			BLANK	
BLANK			21	*	22			BLANK	
BLANK			23	*	24			BLANK	
BLANK			25	*	26			BLANK	
BLANK			27	*	28			BLANK	
BLANK			29	*	30			BLANK	
BLANK			31	*	32			BLANK	
BLANK			33	*	34			BLANK	
BLANK			35	*	36			BLANK	
BLANK			37	*	38			BLANK	
BLANK			39	*	40			BLANK	
BLANK			41	*	42			BLANK	
Line 1	13644 VA	NOTES:				line-line voltage	
Line 2	10644 VA	*PROVIDE PANEL WITH LOCKING COVER.				240	
						largest motor (va)	
Total Connected	24288 VA					0	
load code:	line 1	line 2			total	factor	calculated load (va)
1. LIGHTS=	0	0			VA	0	1.25	0
2. RECEPT.=	0	0			VA	0	1 + 0.5	0
3. HEATING=	1356	1356			VA	2712	1.00	2712
4. KITCHEN=	0	0			VA	0	1.00	0
5. EQUIP.=	6000	3000			VA	9000	1.00	9000
6. MOTORS=	6288	6288			VA	12576	*	12576
7. SUB-PANEL.=	0	0			VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)						TOTAL =		24288

STUDIO 3 ARCHITECTURE INCORPORATED
275 COURT ST. NE
SALEM, OR 97301-3410
503-390-6500
www.studio3architecture.com

REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1982 ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

McKINNEY LANE APARTMENTS PHASE II
RUSSELL DRIVE & McKINNEY LANE
LEBANON, OREGON

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CONTACT: DENISE TAYLOR

E1.11

McKinney Lane Phase II
RESIDENTIAL LOAD SUMMARY – Bldg Type "A"

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2			TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
Typical Studio Unit	8	8	0	0	16	500	1500	3000	1500	16500	1500	1200	4000	4500	900	0	5500
Typical 1 Brm Unit	0	0	0	0	0	660	1980	3000	1500	16500	1500	1200	4000	4500	900	0	7000
Typical 2 Brm Unit	0	0	0	0	0	1060	3180	3000	1500	16500	1500	1200	4000	4500	900	0	8500
TOTALS:	8	8	0	0	16	8000	24000	48000	24000	264000	24000	19200	64000	72000	14400	0	88000

VOLTS: 240 1ph
TOTAL CONNECTED: 642 KVA
DEMAND FACTOR: 0.39 Based on Total Number of Residential Units = 18–20 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 250 KVA
CALCULATED AMPS: 1043 AMPS

NOTE:

McKinney Lane Phase II
RESIDENTIAL LOAD SUMMARY – Bldg Type "AS"

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2			TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
Typical Studio Unit	4	4	0	0	8	500	1500	3000	1500	16500	1500	1200	4000	4500	900	0	5500
Typical 1 Brm Unit	0	0	0	0	0	660	1980	3000	1500	16500	1500	1200	4000	4500	900	0	7000
Typical 2 Brm Unit	0	0	0	0	0	1060	3180	3000	1500	16500	1500	1200	4000	4500	900	0	8500
TOTALS:	4	4	0	0	8	4000	12000	24000	12000	132000	12000	9600	32000	36000	7200	0	44000

VOLTS: 240 1ph
TOTAL CONNECTED: 321 KVA
DEMAND FACTOR: 0.43 Based on Total Number of Residential Units = 8–10 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 138 KVA
CALCULATED AMPS: 575 AMPS

NOTE:

McKinney Lane Phase II
RESIDENTIAL LOAD SUMMARY – Bldg Type "B"

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2			TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
Typical Studio Unit	0	0	0	0	0	500	1500	3000	1500	16500	1500	1200	4000	4500	900	0	5500
Typical 1 Brm Unit	7	7	0	0	14	660	1980	3000	1500	16500	1500	1200	4000	4500	900	0	7000
Typical 2 Brm Unit	0	0	0	0	0	1060	3180	3000	1500	16500	1500	1200	4000	4500	900	0	8500
TOTALS:	7	7	0	0	14	9240	27720	42000	21000	231000	21000	16800	56000	63000	12600	0	98000

VOLTS: 240 1ph
TOTAL CONNECTED: 589 KVA
DEMAND FACTOR: 0.40 Based on Total Number of Residential Units = 14–15 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 236 KVA
CALCULATED AMPS: 982 AMPS

NOTE:

McKinney Lane Phase II
RESIDENTIAL LOAD SUMMARY – Bldg Type "C"

UNIT TYPE:	QTY PER FLOOR Lvl 1	Lvl 2			TOTAL	AREA (SF)	LTG/RECEPT (3VA / SF)	SM APPL (1500VA X 2)	LAUNDRY (1500VA)	COOKING (CONNECTED)	MICROWAVE (CONNECTED)	DISHWASHER (CONNECTED)	ELECT DRYER (CONNECTED)	WATER HEATER (CONNECTED)	DISPOSAL (CONNECTED)	MOTORS (CONNECTED)	LARGEST OF: AC/HEATING (CONNECTED)
Typical Studio Unit	0	0	0	0	0	500	1500	3000	1500	16500	1500	1200	4000	4500	900	0	5500
Typical 1 Brm Unit	2	2	0	0	4	660	1980	3000	1500	16500	1500	1200	4000	4500	900	0	7000
Typical 2 Brm Unit	4	4	0	0	8	1060	3180	3000	1500	16500	1500	1200	4000	4500	900	0	8500
TOTALS:	6	6	0	0	12	11120	33360	36000	18000	198000	18000	14400	48000	54000	10800	0	96000

VOLTS: 240 1ph
TOTAL CONNECTED: 527 KVA
DEMAND FACTOR: 0.41 Based on Total Number of Residential Units = 12–13 (See N.E.C. Article: 220.84)
TOTAL CALCULATED: 216 KVA
CALCULATED AMPS: 900 AMPS

NOTE:

1

MFIA PANEL SCHEDULE — 29–Oct–20

panel: Pnl G1/G2(Typical) | mounting: *Surface NEMA 3R | location: Bldg Exterior
voltage: 120/240V | phase: 1 | bus & main: 60A | MLO
connected load: 19
calculated load: 19

C	service	va	o/p	no.	L1	L2	no.	o/p	va	service	C
S	STALL 1 LTS & RECEPT	1500	20/1	1	*		2	20/1		STALL 4 LTS & RECEPT	S
S	STALL 2 LTS & RECEPT	1500	20/1	3		*	4	20/1		STALL 5 LTS & RECEPT	S
S	STALL 3 LTS & RECEPT	1500	20/1	5	*		6	20/1		STALL 6 LTS & RECEPT	S
	SPARE	0	20/1	7		*	8	20/1	0	SPARE	
	SPARE	0	20/1	9	*		10	20/1	0	SPARE	
	SPARE	0	20/1	11		*	12	20/1	0	SPARE	
	SPARE	0	20/1	13	*		14	20/1	0	SPARE	
	BLANK			15		*	16			BLANK	
	BLANK			17	*		18			BLANK	
	BLANK			19		*	20			BLANK	
	BLANK			21	*		22			BLANK	
	BLANK			23		*	24			BLANK	
	BLANK			25	*		26			BLANK	
	BLANK			27		*	28			BLANK	
	BLANK			29	*		30			BLANK	
	BLANK			31		*	32			BLANK	
	BLANK			33	*		34			BLANK	
	BLANK			35		*	36			BLANK	
	BLANK			37	*		38			BLANK	
	BLANK			39		*	40			BLANK	
	BLANK			41	*		42			BLANK	

Line 1 3000 VA
Line 2 1500 VA
Total Connected 4500 VA

NOTES:
*PROVIDE PANEL WITH LOCKING COVER.
**BLDG #5 PANEL ONLY

line–line voltage: 240
largest motor (va): 0

load code:	line 1	line 2		total	factor	calculated load (va)
1. LIGHTS=	0	0	VA	0	1.25	0
2. RECEPT.=	0	0	VA	0	1 + 0.5	0
3. HEATING=	0	0	VA	0	1.00	0
4. KITCHEN=	0	0	VA	0	1.00	0
5. EQUIP.=	3000	1500	VA	4500	1.00	4500
6. MOTORS=	0	0	VA	0	*	0
7. SUB–PANEL=	0	0	VA	0	1.00	0
(* 125% of the largest motor + 100% of the balance)				TOTAL =		4500

DWELLING UNIT LOAD CALCULATION

Project: McKinney Lane Phase II
Unit Type: Studio
Area: 500 square feet(average)

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	1,500	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	16,500	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	4,000	VA
Electric Water Heater Load	4,500	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	34,600	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	9,840	VA
Net "general load"	19,840	VA
Largest of: 4,000 VA of electric space heating (less than 4) at 65%	2,600	VA
–or– VA of electric space heating (4 or more) at 40%	0	VA
–or– VA of air conditioning/cooling/heat pumps at 100%	0	VA
TOTAL LOAD	22,440	VA

For 120/240–volt, 3–wire, single–phase service or feeder, 22,440 VA / 240 volts = 94 Amps

Therefore, this dwelling unit shall be permitted to be served by a 125 amp service.

DWELLING UNIT LOAD CALCULATION

Project: McKinney Lane II
Unit Type: 1Bedroom
Area: 660 square feet(average)

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	1,980	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range (GAS)	16,500	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	4,000	VA
Electric Water Heater Load	4,500	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	35,080	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	10,032	VA
Net "general load"	20,032	VA
Largest of: 7,000 VA of electric space heating (less than 4) at 65%	4,550	VA
–or– VA of electric space heating (4 or more) at 40%	0	VA
–or– VA of air conditioning/cooling/heat pumps at 100%	0	VA
TOTAL LOAD	24,582	VA

For 120/240–volt, 3–wire, single–phase service or feeder, 24,582 VA / 240 volts = 102 Amps

Therefore, this dwelling unit shall be permitted to be served by a 125 amp service.

DWELLING UNIT LOAD CALCULATION

Project: McKinney Lane II
Unit Type: 2Bedroom
Area: 1,060 square feet(average)

Minimum Size Feeder (NEC 220.40):		
General lighting load at 3 VA / SF	3,180	VA
Small Appliance load (2 ckts at 1500VA each)	3,000	VA
Laundry Load (1 ckt at 1500VA)	1,500	VA
Range	16,500	VA
Other Cooking Appliance Load (Microwave Oven)	1,500	VA
Dishwasher Load	1,200	VA
Electric Dryer Load	4,000	VA
Electric Water Heater Load	4,500	VA
Disposal load	900	VA
Other motor loads	0	VA
Total "General Loads"	36,280	VA
First 10 kVA of "general loads" at 100%	10,000	VA
Remainder of "general loads" at 40%	10,512	VA
Net "general load"	20,512	VA
Largest of: 8,500 VA of electric space heating (less than 4) at 65%	5,525	VA
–or– VA of electric space heating (4 or more) at 40%	0	VA
–or– VA of air conditioning/cooling/heat pumps at 100%	0	VA
TOTAL LOAD	26,037	VA

For 120/240–volt, 3–wire, single–phase service or feeder, 26,037 VA / 240 volts = 108 Amps

Therefore, this dwelling unit shall be permitted to be served by a 125 amp service.

MFIA CIRCUIT DIRECTORY — 27–Jul–20

Loadcenter Name: LC–STUDIO (TYPICAL) | mounting: RECESSED | location:
voltage: 120/240 | phase: 1 | bus & main: 125A MLO (SCCR: 22K)

service	o/p	no.	L1	L2	no.	o/p	service
LIGHTS–KITCHEN/LIVING	20/1(A)	1	*		2	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT – BATH	20/1	3		*	4	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT – BEDROOM	20/1(A)	5	*		6	20/1	REFRIGERATOR
RECEPT – LIVING	20/1(A)	7		*	8	20/1	MICRO/HOOD
SPARE	20/1(A)	9	*		10	50/2	RANGE
SPARE	20/1(A)	11		*	12	*	*
SPARE	20/1(A)	13	*		14	20/1	DISHWASHER (WHERE USED)
WASHER	20/1(G)	15		*	16	20/1	DISPOSAL
DRYER	40/2	17	*		18	20/2	HEAT
*	*	19		*	20	*	*
SMART PANEL	20/1	21	*		22	20/1	SPARE
WATER HEATER	20/2	23		*	24	20/1	SPARE
*	*	25	*		26	20/1	SPARE
AC PORT (OPTIONAL)	20/1	27		*	28	-----	BLANK
BLANK	-----	29	*		30	-----	BLANK

NOTES:
1. (A) DENOTES: ARC–FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".
3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.
4. (G) DENOTES GFCI RATED BREAKER.

MFIA CIRCUIT DIRECTORY — 27–Jul–20

Loadcenter Name: LC–1BR (TYPICAL) | mounting: RECESSED | location:
voltage: 120/240 | phase: 1 | bus & main: 125A MLO (SCCR: 22K)

service	o/p	no.	L1	L2	no.	o/p	service
LIGHTS–KITCHEN/LIVING	20/1(A)	1	*		2	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT – BATH	20/1	3		*	4	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT – BEDROOM	20/1(A)	5	*		6	20/1	REFRIGERATOR
RECEPT – LIVING	20/1(A)	7		*	8	20/1	MICRO/HOOD
SPARE	20/1(A)	9	*		10	20/1	RANGE (GAS)
SPARE	20/1(A)	11		*	12	20/1	SPARE
SPARE	20/1(A)	13	*		14	20/1	DISHWASHER
WASHER	20/1(G)	15		*	16	20/1	DISPOSAL
DRYER	40/2	17	*		18	20/1	GAS FIRE PLACE (OPT)
*	*	19		*	20	20/2	HEAT
SMART PANEL	20/1	21	*		22	*	*
WATER HEATER	20/2	23		*	24	20/2	HEAT
*	*	25	*		26	*	*
AC PORT (OPTIONAL)	20/1	27		*	28	20/2	HEAT
AC PORT (OPTIONAL)	20/1	29	*		30	*	*

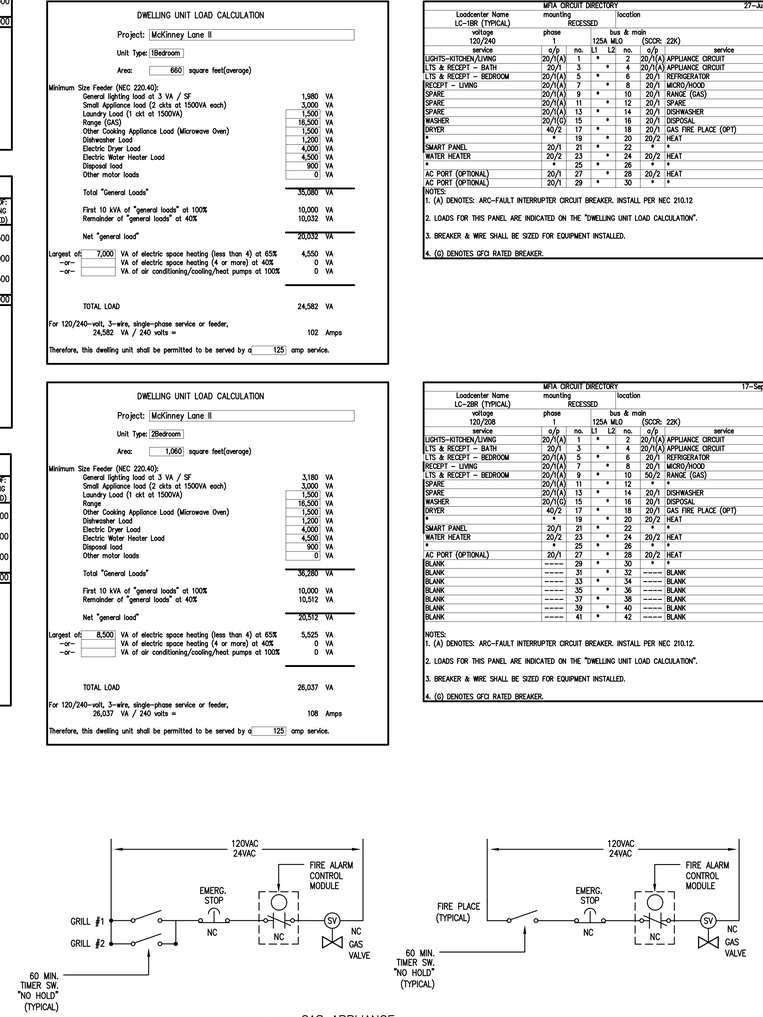
NOTES:
1. (A) DENOTES: ARC–FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".
3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.
4. (G) DENOTES GFCI RATED BREAKER.

MFIA CIRCUIT DIRECTORY — 17–Sep–20

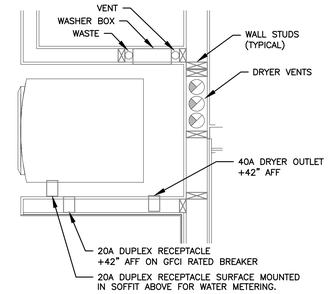
Loadcenter Name: LC–2BR (TYPICAL) | mounting: RECESSED | location:
voltage: 120/208 | phase: 1 | bus & main: 125A MLO (SCCR: 22K)

service	o/p	no.	L1	L2	no.	o/p	service
LIGHTS–KITCHEN/LIVING	20/1(A)	1	*		2	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT – BATH	20/1	3		*	4	20/1(A)	APPLIANCE CIRCUIT
LTS & RECEPT – BEDROOM	20/1(A)	5	*		6	20/1	REFRIGERATOR
RECEPT – LIVING	20/1(A)	7		*	8	20/1	MICRO/HOOD
LTS & RECEPT – BEDROOM	20/1(A)	9	*		10	50/2	RANGE (GAS)
SPARE	20/1(A)	11		*	12	*	*
SPARE	20/1(A)	13	*		14	20/1	DISHWASHER
WASHER	20/1(G)	15		*	16	20/1	DISPOSAL
DRYER	40/2	17	*		18	20/1	GAS FIRE PLACE (OPT)
*	*	19		*	20	20/2	HEAT
SMART PANEL	20/1	21	*		22	*	*
WATER HEATER	20/2	23		*	24	20/2	HEAT
*	*	25	*		26	*	*
AC PORT (OPTIONAL)	20/1	27		*	28	20/2	HEAT
BLANK	-----	29	*		30	*	*
BLANK	-----	31		*	32	-----	BLANK
BLANK	-----	33	*		34	-----	BLANK
BLANK	-----	35		*	36	-----	BLANK
BLANK	-----	37	*		38	-----	BLANK
BLANK	-----	39		*	40	-----	BLANK
BLANK	-----	41	*		42	-----	BLANK

NOTES:
1. (A) DENOTES: ARC–FAULT INTERRUPTER CIRCUIT BREAKER. INSTALL PER NEC 210.12
2. LOADS FOR THIS PANEL ARE INDICATED ON THE "DWELLING UNIT LOAD CALCULATION".
3. BREAKER & WIRE SHALL BE SIZED FOR EQUIPMENT INSTALLED.
4. (G) DENOTES GFCI RATED BREAKER.



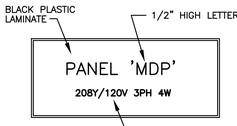
4 E1.12 GAS APPLIANCE EMERGENCY SHUT–OFF DIAGRAMS
SCALE: NONE



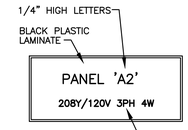
NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH IN, TO ENSURE THAT ELECTRICAL DEVICES ARE NOT INSTALLED WHERE THEY WILL CREATE CONFLICT.
2. PREFERRED INSTALLATION SHALL HAVE THE ELECTRICAL DEVICES ON A WALL OPPOSITE THE WORK OF ANY OTHER TRADE.
3. COORDINATE WITH WATER METER INSTALLER FOR EXACT LOCATION OF DUPLEX RECEPTACLE, WHERE REQUIRED.
4. FIELD COORDINATE WITH ALL TRADES PRIOR TO ROUGH IN.

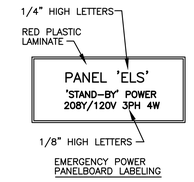
1 E1.12 TYPICAL WASHER/DRYER ALCOVE
NO SCALE



MAIN DISTRIB. PANEL LABELING



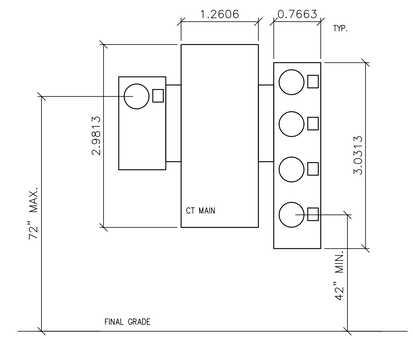
PANELBOARD LABELING



EMERGENCY POWER PANELBOARD LABELING

2 E1.12 SWITCHBOARD/PANEL LABELING DETAIL
NO SCALE

NOTE: ALL LETTERS ARE ENGRAVED WHITE



3 E1.12 TYPICAL METER ELEVATION
NOT TO SCALE

TYPICAL METER ARRANGEMENT PER UTILITY PROVIDER'S REQUIREMENTS. COMPONENTS SHOWN ARE APPROXIMATE BASED ON VENDOR INFORMATION. ACTUAL EQUIPMENT TO BE INSTALLED MAY VARY. ELECTRICAL CONTRACTOR TO PROVIDE CUTSHEETS OF THE PRODUCTS INSTALLED UPON SUBMITTAL REVIEW & APPROVAL.

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REGISTERED PROFESSIONAL ENGINEER 16,597 OREGON JULY 20, 1982 ROBERT L. CONNELL
EXPIRES 12-31-2021

PROJECT # 2019-179
DATE: 28 AUGUST 2020

REVISIONS

PLAN REVIEW 11.03.2020

McKINNEY LANE APARTMENTS PHASE II
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E1.12

LIGHTING FIXTURE LIST – CLUBHOUSE

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 3000K 2000LM/80CRI 25W	LITHONIA (OR APROVED OTHER)	ZL1N SERIES	TYPE :4' GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :DIFFUSED ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE 'AE' SIMILAR TO TYPE 'A' EXCEPT WITH EMERGENCY BATTERY BACK-UP EQUIP. RMS, TRASH RM, LEASE SPACE
A2	13W A19 LED (60W INCAND. EQUAL) 13 W	BRYANT		TYPE :PORCELAIN KEYLESS SOCKET MOUNTING :WALL +6" ABV. DOOR HOUSING :- LENS/REFL :N/A VOLTAGE :120V BALLAST :INTEGRAL LED DRIVER	WITH PULL CHAIN FIRE RISER ROOM
C1 C1E	LED 1300 LM/80CRI 3000K 12W	USAI LIGHTING (OR APPROVED OTHER)	B4RDF SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :NA VOLTAGE :MVOLT BALLAST :LED DRIVER (0–10 DIMMING)	WHITE TRIM AT GYP. CEILINGS 50 DEGREE BEAM C1E = EMERGENCY BATTERY BACK UP UL LISTED DAMP LOCATION CLUBHOUSE
C2 C2E	LED 1300 LM/80CRI 3000K 12W	USAI LIGHTING (OR APPROVED OTHER)	B4RGF30 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED (SLOPED CLNG) HOUSING :ALUMINUM LENS/REFL :NA VOLTAGE :MVOLT BALLAST :LED DRIVER (0–10 DIMMING)	BLACK TRIM AT WOOD CEILINGS 70 DEGREE BEAM C2E = EMERGENCY BATTERY BACK UP UL LISTED DAMP LOCATION CLUBHOUSE
C3 C3E	LED 1075 LM/80CRI 3000K 9W	USAI LIGHTING (OR APPROVED OTHER)	P4RDF SERIES	TYPE :EXTERIOR 4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TRIM & FINISH PER ARCHITECT/INTERIORS FLOOD BEAM C3E = EMERGENCY BATTERY BACK UP UL LISTED DAMP LOCATION CLUBHOUSE EXTERIOR CANOPY
DL1	LED 3000K 120W (EQUIVALANT)	MATTEO LIGHTING (OR APPROVED OTHER)	C49703BK SERIES	TYPE :DECORATIVE PENDANT MOUNTING :SUSPENDED HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :MVOLT BALLAST :INTEGRAL (0–10 DIMMING)	FINISH PER ARCHITECT/INTERIORS PER DECORATOR MOUNTING PER DECORATOR MOUNTING HEIGHT TO BE 6'–6" AFF. CLUBHOUSE
DL2	LED 3000K 150W (EQUIVALANT)	HERMAN MILLER LIGHTING (OR APPROVED OTHER)	H761CCS SERIES	TYPE :DECORATIVE PENDANT MOUNTING :SUSPENDED HOUSING :STEEL, LENS/REFL :GLASS VOLTAGE :MVOLT BALLAST :INTEGRAL (0–10 DIMMING)	FINISH PER ARCHITECT/INTERIORS PER DECORATOR MOUNTING HEIGHT TO BE 6'–6" AFF. CLUBHOUSE
DL3	LED 1150 LM 3000K 9W (EQUIVALANT)	USAI LIGHTING (OR APPROVED OTHER)	LBRP6 SERIES	TYPE :CYLINDER LIGHT MOUNTING :SUSPENDED (CABLE HUNG) HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER (0–10 DIMMING)	FINISH PER ARCHITECT/INTERIORS PER DECORATOR MOUNTING HEIGHT 11'–0" AFF. CLUBHOUSE
DL4	LED 3000K 75W (EQUIVALANT)	CEDAR & MOSS LIGHTING (OR APPROVED OTHER)	TILT CONE SERIES	TYPE :ADJUSTABLE WALL SCONCE MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :MVOLT BALLAST :INTEGRAL (0–10 DIMMING)	FINISH PER ARCHITECT/INTERIORS REFER TO INTERIOR ELEVATIONS FOR MOUNTING HEIGHT. CLUBHOUSE
DL5	LED 3000K 120W (EQUIVALANT)	ANDREW NEYER LIGHTING (OR APPROVED OTHER)	DUMBBELL SERIES	TYPE :DECORATIVE PENDANT MOUNTING :SUSPENDED HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :MVOLT BALLAST :INTEGRAL (0–10 DIMMING)	FINISH PER ARCHITECT. MOUNTING HEIGHT PER DECORATOR. CLUBHOUSE
'X1'	LED (GREEN LETTERS) (1.5W)	LITHONIA DMF LIGHTING (OR APROVED OTHER)	LE EL N SERIES DLED500EM-G	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :DIE-CAST ALUMINUM LENS/REFL :SINGLE FACE/DUAL FACE VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	

LIGHTING FIXTURE LIST – TYPICAL LIVING UNITS

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
U1a	LED 650 LM 3000K 10W	LIGHTOLIER (OR APPROVED OTHER)	SSR SERIES	TYPE :5" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FINISH PER ARCHITECT/INTERIORS UNIT KITCHEN, HALL, BATHROOM
U1b	LED 750 LM 3000K 10W	LITHONIA (OR APPROVED OTHER)	LK5G SERIES	TYPE :5" DIA. ADJUSTABLE DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	FINISH PER ARCHITECT/INTERIORS IC RATED UNIT KITCHEN (VAULTED CLNG ONLY)
U2	LED 1400 LUMEN 3000K 16W	MAXIM LIGHTING (OR APPROVED OTHER)	52102SN SERIES	TYPE :24" VANITY LIGHT MOUNTING :SURFACE (+6" ABOVE MIRROR) HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER	FINISH PER ARCHITECT/INTERIORS UNIT BATHROOM
U3a	LED 3000K 1400 LM 18 W	TBD (OR APROVED OTHER)	TBD	TYPE :52" DIA CEILING FAN W/ LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (0–10 DIMMING)	FINISH PER ARCHITECT/INTERIORS PROVIDE BRACING AT CEILING TO SUPPORT A MINIMUM OF 35 LBS. PROVIDE WITH DUAL SWITCH CONTROLS UNIT BEDROOM
U3b	LED 3000K 1400 LM 18 W	TBD (OR APROVED OTHER)	TBD	TYPE :52" DIA CEILING FAN W/ LIGHT MOUNTING :SURFACE (SLOPPED CEILING) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (0–10 DIMMING)	FINISH PER ARCHITECT. PROVIDE BRACING AT CEILING TO SUPPORT A MINIMUM OF 35 LBS. PROVIDE WITH DUAL SWITCH CONTROLS. UNIT BEDROOM
U4	LED 1400 LM 3000K 20W	KUZCO LIGHTING (OR APROVED OTHER)	FM3511	TYPE :11" DIA CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (0–10 DIMMING)	FINISH PER ARCHITECT/INTERIORS UNIT DINING ROOM
U5	LED 800 LM 3000K 12W	KUZCO LIGHTING (OR APROVED OTHER)	EW3105	TYPE :EXTERIOR WALL SCONCE MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER	FINISH PER ARCHITECT/INTERIORS UNIT ENTRY
U6	LED 3000K 200LM 5W	WAC LIGHTING (OR APROVED OTHER)	HR-LED90 SERIES	TYPE :UNDER CABINET LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :LED DRIVER (ELV DIMMING)	FINISH PER ARCHITECT. UNIT KITCHEN

LIGHTING FIXTURE LIST – SITE

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
S1	LED 3000K 2632 LM 41 W	LIGMAN LIGHTING (OR APPROVED OTHER)	UAA-20166 SERIES	TYPE :AREA LIGHT MOUNTING :ROUND POLE (16' AFG) HOUSING :STEEL LENS/REFL :OPAL GLASS/STRAIGHT SHADE VOLTAGE :MVOLT BALLAST :LED DRIVER	BLACK FINISH PARKING AREA
S2	LED 3000K 2420 LM 18W	LIGHTWAY LIGHTING DABMAR LIGHTING (OR APPROVED OTHER)	WWXP-14LED SERIES GM260 SERIES	TYPE :POST TOP AREA LIGHT MOUNTING :ROUND POLE (8FT AFG) HOUSING :STEEL LENS/REFL :OPAL GLASS VOLTAGE :MVOLT BALLAST :LED DRIVER	BLACK FINISH WALKWAYS
S3	LED 3000K 1856 LM 29W	LIGMAN LIGHTING DABMAR LIGHTING (OR APPROVED OTHER)	UAA-30186 SERIES GM996 SERIES	TYPE :EXTERIOR WALL SCONCE MOUNTING :SURFACE (+8.5 FT AFF) HOUSING :STEEL LENS/REFL :OPAL GLASS/STRAIGHT SHADE VOLTAGE :MVOLT BALLAST :LED DRIVER	BLACK FINISH GARAGES
S4	LED 3000K 4800 LM 48W	SAYLITE LIGHTING	CV800 SERIES	TYPE :4FT ENCLOSED STRIP LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	VANDAL RESISTANT CARPORTS, SHELTERS
S5	LED 3000K 1200 LM 15W	KUZCO LIGHTING	EC44505 SERIES	TYPE :CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT BUILDING PORCHES, LANDINGS
S6	LED 3000K 200 LM 2W	HADCO LIGHTING	DAL1 4121 SERIES	TYPE :DECK LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :INTEGRAL LED DRIVER	FINISH PER ARCHITECT VERIFY MOUNTING HEIGHT PROVIDE WITH APPROPRIATE TRANSFORMERS AND OTHER HARDWARE BUILDING STAIRS
S7	LED 3000K 1454 LM 41W	LIGMAN LIGHTING	UAA-10086 SERIES	TYPE :42" BOLLARD LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :LOUVERED GLASS VOLTAGE :120V BALLAST :LED DRIVER	BLACK FINISH PROVIDE WITH ROUND TOP CLUBHOUSE TERRACE

GENERAL LIGHTING NOTES:

A. ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING, DRIVERS AND BALLASTS.

B. LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.

C. EXTERIOR LIGHT FIXTURES SHALL BE "NIGHT SKY" FRIENDLY.

D. VERIFY ALL FIXTURE FINISHES WITH ARCHITECT/INTERIORS PRIOR TO BID.

E. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT/INTERIORS PRIOR TO BID.

F. VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT/INTERIOR PRIOR TO ROUGH IN.

G. ALL INTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.

H. ALL EXTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.

I. ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.

J. CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL FIXTURES AND DEVICES AND INSTALL AS INSTRUCTED. THIS INCLUDES ALL ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.

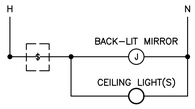
K. IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR ANY APPROVED, SUBSTITUTED FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.

L. SITE LIGHTING AND BUILDING MOUNTED EXTERIOR LIGHTS (EXCEPT APARTMENT PATIO/BALCONY LIGHTS) SHALL BE CONTROLLED VIA PHOTOCELL, EITHER INTEGRAL OR REMOTE FOR DUST–TILL–DAWN OPERATION.

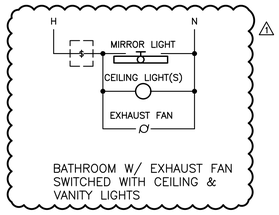
M. POLE MOUNTED SITE LIGHTING AND CARPORT LIGHTING SHALL BE PROVIDED WITH THE ABILITY TO REDUCE LIGHT LEVELS BY 30% DURING PERIODS OF LOW NIGHT–TIME ACTIVITY, EITHER BY MOTION SENSING AND/OR TIME CLOCK.

N. CONTRACTOR TO PROVIDE SINGLE POLE DIMMER SWITCHES AS INDICATED. DIMMER SWITCHES SHALL MATCH THE DECORATOR TYPE ROCKER SWITCH SPECIFIED IN THE TYPICAL UNIT LIGHTING PLANS OR AS DIRECTED BY THE OWNER. DIMMER SWITCHES SHALL BE COMPATIBLE WITH THE LED LIGHT FIXTURES AND SHALL BE FULLY ADJUSTABLE. CONTRACTOR SHALL FIELD ADJUST TO REDUCE ANY MOMENTARY FLASH DURING START UP.

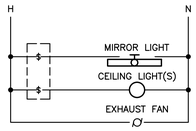
O. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE FIXTURE CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.



BATHROOM WITH CEILING LIGHT(S)
& BACK–LIT MIRROR

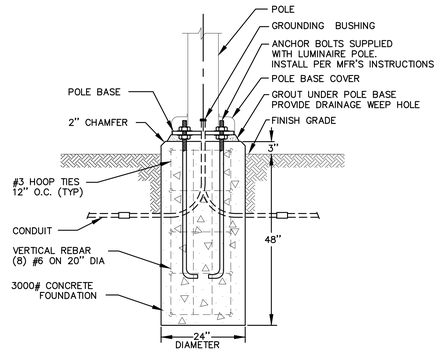


BATHROOM W/ EXHAUST FAN
SWITCHED WITH CEILING &
VANITY LIGHTS

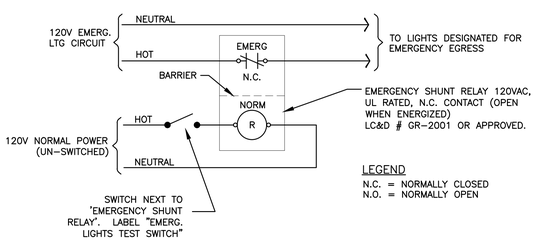


BATHROOM W/ VANITY LIGHT
SWITCHED SEPARATE FROM
CEILING LIGHTS
& CONTINUOUS OPERATION
EXHAUST FAN

1 / E1.21 BATHROOM SWITCHING DIAGRAMS – TYPICAL
NO SCALE



2 / E1.21 TYPICAL POLE BASE DETAIL
NO SCALE



3 / E1.21 EMERGENCY EGRESS LIGHTING – UNSWITCHED
NO SCALE

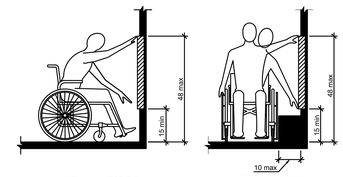


Figure 308.2.1
Unobstructed Forward Reach

Figure 308.3.1
Unobstructed Side Reach

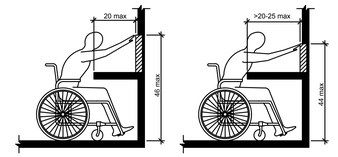


Figure 308.2.2
Obstructed High Forward Reach

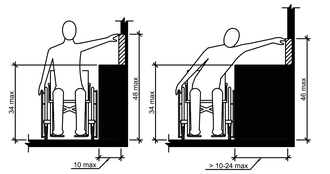


Figure 308.3.2
Obstructed High Side Reach

1 / E1.22 ADA REACH REQUIREMENTS
NO SCALE

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the floor or ground.

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor or ground space shall extend beneath the element for a distance not less thank the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum.

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the floor or ground.

Exception: Existing elements shall be permitted at 54" maximum above
the floor or ground.

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach depth of 24" maximum.

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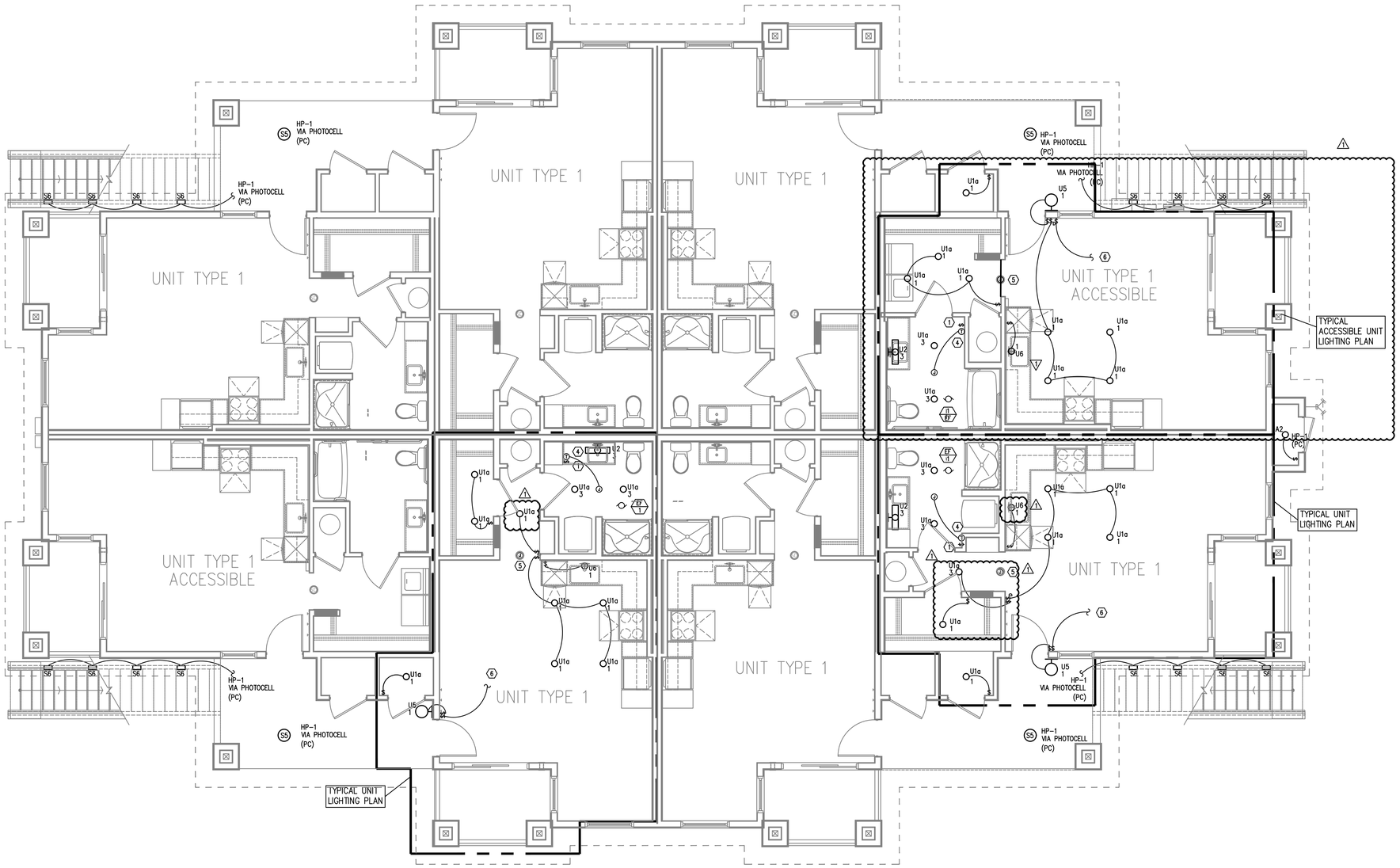
E1.21



1 E2.01 BLDG TYPE A – BLDGS 'A' & 'F'
FIRST FLOOR – LIGHTING PLAN
SCALE: 1/4" = 1'-0"
(ACCESSIBLE)

GENERAL LIGHTING NOTES:

A. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.

B. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINISHES OF DEVICES AND FIXTURES.

C. REFER TO SHEET E1.21 FOR LIGHT FIXTURE SCHEDULES.

D. THE CONTRACTOR SHALL CONSULT THE ARCHITECT AND/OR INTERIOR DESIGNER FOR THE EXACT LOCATION OF ALL LIGHT FIXTURES PRIOR TO THE START OF ANY ROUGH IN WORK

E. REFER TO AVAILABLE ARCHITECTURAL AND/OR INTERIOR DESIGN DOCUMENTS & DRAWINGS FOR ADDITIONAL INFORMATION.

F. EXTERIOR LIGHTING TO BE CONSTANT "ON" AND PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE) FOR DUSK-TILL-DAWN OPERATION.

G. ALL EXTERIOR BUILDING LIGHTS ON HOUSE POWER SHALL BE CONSIDERED EGRESS LIGHTING. FIXTURES ARE TO BE EQUIPPED WITH BATTERY BACK-UP (EITHER INTEGRAL OR REMOTE).

H. **REFER TO SHEET E1.14 FOR TYPICAL UNIT LOAD CENTER DIRECTORIES.**

I. **ALL LIGHT SWITCHES SHALL BE ROCKER STYLE, SUCH AS LEVITON DECORA, OR APPROVED EQUAL.**

J. **REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS (DIMENSONS). CONSULT INTERIOR DESIGNER FOR MOUNTING HEIGHTS NOT SPECIFIED.**

⚠1 K. REFER TO ARCHITECTURAL PLANS REGARDING "ACCESSIBLE" UNIT LOCATION(S), INTERIOR ELEVATIONS & DETAILS. COORDINATE INSTALLATION OF ALL DEVICES PER THE "AMERICAN DISABILITIES ACT" (ADA). REFER TO SHEET E1.21 FOR STANDARD ADA REACH REQUIREMENTS.

⬡ KEYED LIGHTING NOTES:

1. **REFER TO TYPICAL BATHROOM SWITCHING DETAILS ON SHEET E1.21.**
2. PROVIDE CEILING FAN CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
3. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION.
4. PROVIDE WIRE CONNECTION FOR THERMOSTAT(S). COORDINATE WITH MECHANICAL INSTALLER FOR EXACT LOCATION AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CEILING HEATER TO BE TIED INTO BATHROOM POWER CIRCUIT.
5. COORDINATE LOCATION OF POWER CONNECTION FOR FIRE ALARM DEVICES WITH THE SYSTEM CONTRACTOR/INSTALLER.
6. TO SWITCHED RECEPTACLE. REFER TO POWER PLANS (E3 SERIES SHEETS) FOR OUTLET LOCATION.

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