LIGHTING FIXTURE SCHEDULE

TYPE ID	MANUFACTURER MODEL NUMBER	FIXTURE DESCRIPTION	LED LUMENS	LED WATTS	LED lm/w	MOUNTING TYPE
A	JUNO LIGHTING #JSF-7IN-18LM-SWW5-90CRI-MVOLT-ZT-WH	7" ROUND SLIM SURFACE MOUNT WITH SWITCHABLE COLOR TEMPERATURE & WHITE HOUSING.	1,182	12	99 lm/w	SURFACE CEILING
A1	JUNO LIGHTING #JSF-13IN-18LM-SWW5-90CRI-MVOLT-ZT-WH	SAME AS FIXTURE TYPE 'A' EXCEPT WITH 13" DIAMETER & HIGHER LUMEN OUTPUT.	1,884	20	94 lm/w	SURFACE CEILING
B	JUNO LIGHTING #WF6-SWW5-90CRI-MW #WF6GR-MW-JZ	6" ROUND WAFER FIXTURE WITH SWITCHABLE COLOR TEMPERATURE, WET LISTING, & WHITE FINISH. PROVIDE GOOF RING AS SPECIFIED.	1,000	13	77 lm/w	SURFACE CEILING
C	LITHONIA LIGHTING #CPANL-2X4-AL06-SWW7-M2	2'X4' FLAT PANEL LED WITH SWITCHABLE COLOR TEMPERATURE, SWITCHABLE LUMEN OUTPUT, & WHITE HOUSING.	6,000 MAX	55 MAX	109 lm/w	RECESSED GRID
D	KUZCO LIGHTING #601003CH-LED	25" LINEAR VANITY FIXTURE WITH 3000K COLOR TEMPERATURE, CHROME FINISH, & MATTE OPAL LENS.	1,259	31	41 lm/w	SURFACE, WALL ABOVE MIRROR
E	JUNO LIGHTING #UCES-24IN-SWW5-90CRI-WH-M6	24" LINEAR UNDER CABINET FIXTURE WITH SWITCHABLE COLOR TEMPERATURE & WHITE HOUSING.	908	17	53 lm/w	SURFACE UNDER CABINET
E1	JUNO LIGHTING #UCES-36IN-SWW5-90CRI-WH-M6	SAME AS FIXTURE TYPE 'E' EXCEPT WITH 36" LENGTH & HIGHER LUMEN OUTPUT.	1,236	21	59 lm/w	SURFACE UNDER CABINET
H	KUZCO LIGHTING #492316-BK/GD	'ARCHIBALD' ARCHITECTURAL PENDANT WITH 16" DIAMETER & GOLD DETAIL.		60 MAX	- lm/w	SUSPENDED
I	LITHONIA LIGHTING #CSS-L48-5000LM-MVOLT-MIN10-ZT-35K-80CRI	4' LINEAR STRIP LIGHT WITH 3500K COLOR TEMPERATURE & WHITE HOUSING.	5,078	38	134 lm/w	SURFACE CEILING
J	MARK ARCHITECTURAL LIGHTING #SL4L-LOP-4FT-FLP-TG-80CRI-35K-400LMF-WW-ZT	4" x 4' LINEAR RECESSED FLUSH MOUNT WITH 3500K COLOR TEMPEARTURE, 0-10V DIMMING, FLUSH FROSTED ACRYLIC LENS, WALL WASH DISTRIBUTION AIMED TOWARD CENTER OF CORRIDOR, & WHITE HOUSING.	1,264	16	79 lm/w	RECESSED GRID
K	MARK ARCHITECTURAL LIGHTING #S4PID-LCB-4FT-MSL4-80CRI-35K-300LMF-I80CRI-I35K-I500LMF-SCT-NODIM-FLL-DC-MVOLT-WHTT-F1/36A-RDCY-WHTCY-WCRD	4'x4' LINEAR DIRECT/INDIRECT PENDANT FIXTURE WITH 3500K COLOR TEMPERATURE, FLUSH DIRECT LENS, DUST COVER INDIRECT LENS, AND WHITE FINISH.	3,196	22	143 lm/w	SUSPENDED
L	LITHONIA LIGHTING #FML4W-48-AL06-SEF-835-MVOLT	10"X4' LINEAR LOW PROFILE WRAP FIXTURE WITH SWITCHABLE LUMEN OUTPUT, 3500K COLOR TEMPERATURE, & WHITE HOUSING.	6,000	49	122 lm/w	SURFACE CEILING
N	KUZCO LIGHTING #HUDSON-WS3309	DECORATIVE WALL SCONCE WITH 9" TALL OPAL GLASS SHADE, 3000K COLOR TEMPERATURE, & BRUSHED NICKEL FINISH.	534	11	49 lm/w	SURFACE WALL
O	KELVIX LIGHTING #UNI1-WL-I-500-35K-24V #ULV96	FIELD CUTTABLE FLEXIBLE LINEAR TAPE LIGHT WITH 3500K COLOR TEMPERATURE. PROVIDE LENGTHS & CONFIGURATIONS AS INDICATED ON DRAWINGS. PROVIDE 24VDC POWER SUPPLIES AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL IN EXISTING ARCHITECTURAL COVES.	685/FT	4/FT	171 lm/w	SURFACE COVE
P	MARK ARCHITECTURAL LIGHTING #MGLP-18IN-80CRI-35K-1500LM-I80CRI-I35K-I1000LM-SCT-MIN10-EGLD-MVOLT-FLT-BLKT-ZT-F4/120A-BLKCY-BCRD-BLKST	ROUND ARCHITECTURAL DIRECT/INDIRECT PENDANT FIXTURE WITH 18" DIAMETER, BLACK HOUSING, FLAT LENS, 3500K COLOR TEMPERATURE, 0-10V DIMMING, & ADJUSTABLE 120" SUSPENSION CABLE.	2,473	30	82 lm/w	SUSPENDED
Q	LITHONIA LIGHTING #LDN6-35/15-L06AR-LSS-TRW-MVOLT-GZ10	6" ROUND DOWNLIGHT WITH 3500K COLOR TEMPERATURE, SEMI-SPECULAR FINISH, WHITE PAINTED FLANGE, & 0-10V DIMMING.	1,514	18	87 lm/w	RECESSED CEILING
T	BEGA LIGHTING #B24575-K4-BLK	EXTERIOR RECESSED WALL LIGHT WITH 4000K COLOR TEMPERATURE & BLACK FINISH.	2,255	27	84 lm/w	RECESSED WALL
U	BEGA LIGHTING #24 719-K4-BLK	SQUARE DIRECT/INDIRECT EXTERIOR SCONCE FIXTURE WITH 4000K COLOR TEMPERATURE & BLACK HOUSING.	949	20	47 lm/w	SURFACE WALL
W	BEGA LIGHTING #B50687-K35	SEMI-RECESSED ROUND DOWNLIGHT WITH 6" DIAMETER, 3500K COLOR TEMPERATURE, & CRYSTAL GLASS LENS.	809	12	67 lm/w	RECESSED CEILING
Y	LITHONIA LIGHTING #DSXF1 LED-P1-40K-WFL-MVOLT-YKC62-DBLXD	EXTERIOR SURFACE-MOUNTED FLOODLIGHT WITH BLACK FINISH, 4000K COLOR TEMPERATURE, & WIDE FLOOD DISTRIBUTION.	3,058	21	146 lm/w	SURFACE
Z	WAC LIGHTING #HR-LED90-30-BL	SURFACE MOUNTED DISPLAY CASE LIGHT WITH 3" DIAMETER, 3000K COLOR TEMPERATURE, & BLACK FINISH. PROVIDE 24VDC POWER SUPPLIES AS REQUIRED FOR A COMPLETE INSTALLATION.	200	5	40 lm/w	SURFACE DISPLAY CABINET
EM1	LITHONIA LIGHTING #ELM4L	THERMOPLASTIC EMERGENCY LIGHT WITH WHITE HOUSING & NICAD EMERGENCY BATTERY PACK.	640	4	160 lm/w	SURFACE WALL
EM2	LITHONIA LIGHTING #AFF-OEL-DBLBXD-UVOLT-LTP-SDRT-WT-CW	EXTERIOR EMERGENCY LIGHT WITH BLACK HOUSING & LITHIUM IRON PHOSPHATE EMERGENCY BATTERY PACK.	N/A		- lm/w	
X1	LITHONIA LIGHTING #LQM-S-W-RG-MVOLT-EL-SD	THERMOPLASTIC EXIT SIGN WITH WHITE HOUSING, SWITCHABLE RED/GREEN LETTERING, NICAD EMERGENCY BATTERY PACK, & SELF-DIAGNOSTICS.	N/A	4	- lm/w	SURFACE WALL / CEILING
X2	HOLOPHANE #QMH-S-W-RG-MVOLT-SD	EXIT SIGN/EMERGENCY LIGHT COMBINATION UNIT WITH WHITE HOUSING, RED/GREEN SWITCHABLE LETTERING, SELF DIAGNOSTICS, & NICAD EMERGENCY BATTERY PACK.	N/A	5	- lm/w	SURFACE WALL / CEILING

NOTE: FIXTURES MAY BE SUBSTITUTED ON A ONE-FOR-ONE BASIS WITH APPROVAL BY PROJECT MANAGER.

ELECTRICAL SYMBOLS

LIGHTING FIXTURES

- SURFACE LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- WALL LIGHT FIXTURE - LINEAR
- STRIP LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SURFACE LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- TRACK LIGHT FIXTURE HEAD
- WALL LIGHT FIXTURE
- SELF CONTAINED EMERGENCY LIGHT
- EMERGENCY LIGHT - SINGLE HEAD
- EXIT LIGHT - WALL MOUNTED
- EXIT LIGHT - CEILING MOUNTED
- EXIT LIGHT DIRECTIONAL ARROWS
- FAN & LIGHT COMBINATION
- POLE MOUNTED AREA LIGHT FIXTURE
- FLOOD LIGHT
- WALL MOUNTED AREA LIGHT FIXTURE
- CEILING MOUNTED FAN

LIGHTING CONTROLS

- $ SINGLE POLE SWITCH
- $D DIMMER SWITCH
- $O OCCUPANCY SENSOR SWITCH
- $3 $4 THREE & FOUR WAY SWITCH
- $K KEY OPERATED SWITCH
- PC PHOTOCELL
- M M MOTION SENSOR (WALL & CEILING)
- OS OS OCCUPANCY SENSOR (WALL & CEILING)

CONDUITS AND CONDUCTORS

- CONDUIT OR CABLE, CONCEALED U.N.O.
- #10 — NUMBER AND SIZE OF WIRES (NO SLASHES INDICATES 3#12)
- P-# — CONDUIT HOMERUN TO PANEL (PANEL & CIRCUIT NUMBER)

LIGHT FIXTURE NOMENCLATURE

- FIXTURE TYPE PER SCHEDULE
- A a — ASSOCIATED SWITCH OR CONTROL ZONE (NO ID = CONTROL VIA SINGLE ROOM SWITCH) (nl = NIGHT LIGHT)
- P- ## — PANEL & CIRCUIT #

FIRE ALARM DEVICES

- FAP FIRE ALARM PANEL
- 135° HEAT DETECTOR (FIXED TEMP. AS NOTED)
- SMOKE DETECTOR
- CO SMOKE/CO DETECTOR COMBO
- HORN
- HORN & STROBE
- STROBE
- FIRE ALARM PULL STATION
- M MAGNETIC DOOR HOLDER
- FS FIRE SMOKE DAMPER

GENERAL

- DASHED SYMBOL = DEVICE TO BE REMOVED
- -------- DASHED LINE = EQUIPEMENT TO BE REMOVED

POWER DEVICES AND EQUIPMENT

- DUPLEX RECEPTACLE / QUADRAPLEX RECEPTACLE
- DUPLEX / QUADRAPLEX ABOVE COUNTER RECEPTACLE
- GFCI PROTECTED RECEPTACLE
- AC GFCI PROTECTED ABOVE COUNTER RECEPTACLE
- SPLIT WIRED RECEPTACLE
- SIMPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE, 3Ø & 1Ø AS NOTED
- A DUPLEX SMALL APPLIANCE RECEPTACLE
- D DRYER RECEPTACLE, NEMA 14-30R
- R ELECTRIC RANGE RECEPTACLE, NEMA 14-50R
- FLOOR MOUNTED DEVICE (RECEPTACLE SHOWN)
- CEILING MOUNTED DEVICE (RECEPTACLE SHOWN)
- POWER RECEPTACLE DROP
- J JUNCTION BOX
- ELECTRIC MOTOR
- $ ELECTRIC MOTOR WITH STARTER SWITCH
- EF EXHAUST FAN
- UH UNIT HEATER
- CH CABINET UNIT HEATER
- FLUSH MOUNT ELECTRICAL PANEL - 208V & 480V
- SURFACE MOUNT ELECTRICAL PANEL - 208V & 480V
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- COMBINATION MOTOR/STARTER DISCONNECT SWITCH
- V VFD DISCONNECT
- PB AC PUSH BUTTON OR ACCESS CONTROL JUNCTION BOX
- PB AC PUSH BUTTON OR ACCESS CONTROL BOX
- J TRAFFIC CONTROL JUNCTION BOX
- MF W MF F WALL / FLOOR MOUNTED MODULAR FURNITURE POWER

TELECOMMUNICATION DEVICES

- TELECOMMUNICATIONS OUTLET
- TELEPHONE (VOICE) OUTLET
- FLOOR MOUNTED DEVICE (TELECOMM SHOWN)
- CEILING MOUNTED DEVICE (TELECOMM SHOWN)
- S S SPEAKER (WALL & CEILING)
- TV TV TELEVISION OUTLET (WALL & CEILING)
- TD TD TELEVISION/DATA COMBO OUTLET (WALL & CEILING)
- DC C CLOCK (DIGITAL & ANALOG)
- S CLOCK & SPEAKER COMBINATION
- OP OVERHEAD PROJECTOR

SECURITY SYSTEM DEVICES

- AC INTERCOM / ACCESS CONTROL MASTER STATION
- IC INTERCOM / ACCESS CONTROL DOOR ENTRY STATION
- ES ACCESS CONTROL ELECTRIC STRIKE/LOCK
- PS POWER SUPPLY
- DOOR CHIME
- KEYPAD
- CR CARD READER
- GB GLASS BREAK SENSOR
- SURVEILLANCE CAMERA
- VARIABLE DIRECTION SURVEILLANCE CAMERA
- DOOR BELL BUTTON

PROJECT DESCRIPTION

DESIGN INTENT IS TO REPLACE EXISTING LIGHTING FIXTURES, DEVICES, AND COVER PLATES SHOWN ON A ONE-FOR-ONE BASIS WITH NEW LED TYPE FIXTURES. CIRCUIT BREAKERS SERVING UNITS SHALL ALSO BE REPLACED WITH NEW, PROVIDE ARC FAULT AND GFCI TYPE AS INDICATED.

ALL EQUIPMENT PROVIDED SHALL COMPLY WITH THE BUY AMERICA ACT, 41 USC CHAPTER 83. CONFIRM COMPLIANCE WITH EQUIPMENT/DEVICE MANUFACTURER PRIOR TO PROCUREMENT.

ELECTRICAL ABBREVIATIONS

AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AIC	AMPERES INTERRUPTING CAPACITY
AMP, A	AMPERE
ARCH	ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
°C	CELSIUS
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY
COMM	COMMUNICATIONS
EF	EXHAUST FAN
E,Ex, EXIST	EXISTING
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
G, GRD	GROUND
GFCI	GROUND FAULT CURRENT INTERRUPTER
GF	GROUND FAULT PROTECTION
HP	HORSE POWER
IN, "	INCHES
K	DEGREE KELVIN
KCMIL, MCM	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATT
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MLO	MAIN LUGS ONLY
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NO., #	NUMBER
PA	PUBLIC ADDRESS
PH, Ø	PHASE
RECPT, REC	RECEPTACLE
REQ, REQD	REQUIRED
Re	RELOCATED
TELECOM	TELECOMMUNICATIONS
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF

MOUNTING HEIGHT SCHEDULE

*SWITCHES	4'-0"
*RECEPTACLES	1'-6"
*WEATHERPROOF RECEPTACLES	2'-0"
BRANCH PANELS (TOP)	6'-6"
DISCONNECT SWITCHES (TOP)	5'-6"

MOUNTING HEIGHTS SHALL PREVAIL ON ALL NEW CONSTRUCTION UNLESS OTHERWISE NOTED.

MOUNTING HEIGHTS ARE TO CENTER OF DEVICE AND ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

COORDINATE FINAL MOUNTING HEIGHTS FOR DEVICES ABOVE COUNTERS WITH ARCHITECTURAL ELEVATIONS.

COORDINATE FINAL MOUNTING HEIGHTS FOR DEVICES FOR EQUIPMENT WITH ARCHITECTURAL ELEVATIONS.

MOUNTING FOR DEVICES SHOWN ABOVE BASEBOARD HEATERS, 4" ABOVE HEATER, MOUNTED VERTICALLY.

THESE ARE TYPICAL MOUNTING HEIGHTS. NOT ALL DEVICES ARE NECESSARILY APPLICABLE TO THIS PROJECT.

*MOUNTING HEIGHTS COMPLY WITH ICC/ANSI A117.1-09

STATE OF ALASKA 49 TH
SAMANTHA V. REDICK
EE-117987
01/15/26
REGISTERED PROFESSIONAL ENGINEER

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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
ABBREVIATIONS & LEGENDS,

SHEET NO.
E0.01

HALF SCALE WHEN PRINTED AT 11x17

PERMIT DOCUMENTS

ELECTRICAL SPECIFICATIONS

SECTION 26 05 00 - COMMON WORK RESULTS FOR ELECTRICAL

1. PROVIDE MATERIALS AND EQUIPMENT THAT ARE PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS. ALL MATERIALS SHALL BE LISTED AND LABELED FOR THE APPLICATION WITH A NATIONALLY RECOGNIZED TESTING LABORATORY IN ACCORDANCE WITH NFPA 70.
2. MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, STATE, MUNICIPAL, AND FEDERAL LAWS, AND AMENDMENTS GOVERNING THE PROJECT. INSTALLATION OF EQUIPMENT SHALL BE ACCORDANCE WITH THE WRITTEN INSTRUCTIONS RECOMMENDATIONS OF THE MANUFACTURER.
3. THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL DETAILS OF WORK AND VERIFY ALL DIMENSIONS IN THE FIELD SO THAT ALL OUTLETS AND EQUIPMENT ARE PROPERLY LOCATED AND READILY ACCESSIBLE.
4. LIGHTING FIXTURES, OUTLETS, AND OTHER EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH STRUCTURAL FEATURES AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF ANY CONFLICTS OCCUR NECESSITATING DEPARTURES FROM THE DRAWINGS, DETAILS OF, AND REASONS FOR DEPARTURES SHALL BE SUBMITTED AND ACCEPTED PRIOR TO IMPLEMENTING ANY CHANGE.
5. THE LISTED PUBLICATIONS BELOW ESTABLISH MINIMUM REQUIREMENTS FOR MATERIALS, SYSTEMS AND EXECUTION THAT MAY BE SPECIFIED IN THIS SECTION AND UTILIZED FOR THIS PROJECT.
   A. NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA): NECA 1 - STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION
   B. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA): NFPA 70 NATIONAL ELECTRICAL CODE, NFPA 70E STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.

SECTION 26 05 19 - POWER CONDUCTORS AND CABLES

1. PROVIDE WIRING, CABLES AND ASSOCIATED SPLICES, CONNECTORS, AND TERMINATIONS FOR WIRING SYSTEMS RATED 600 VOLTS AND LESS. CONDUCTOR AMPACITY SHALL BE BASED ON TABLE 310-16 OF THE NEC UTILIZING THE 60-DEGREE C. RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES RATED BELOW 100 AMPS AND THE 75-DEGREE C RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES AND IN ENCLOSURES RATED 100 AMPS AND GREATER.
2. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. ALL CONDUCTORS INSTALLED IN UNHEATED SPACES WITHIN THE BUILDING, UNDERGROUND, OR LOCATED OUTSIDE OF THE BUILDING SHALL HAVE TYPE XHHW 90 DEGREE C INSULATION. ALL CONDUCTORS INSTALLED WITHIN HEATED SPACES MAY HAVE XHHW OR THHN 90 DEGREE C INSULATION.
3. CONDUCTORS NO. 8 AWG AND LARGER DIAMETER SHALL BE STRANDED. CONDUCTORS NO. 12 AWG AND SMALLER SHALL BE SOLID, EXCEPT THAT CONDUCTORS FOR REMOTE CONTROL, ALARM, AND SIGNAL CIRCUITS, CLASSES 1, 2, AND 3 SHALL BE STRANDED.
4. BRANCH CIRCUITS: CONDUCTORS SHALL BE NOT SMALLER THAN NO. 12 AWG. CONDUCTORS FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 100 FEET LONG AND OF 277 VOLTS MORE THAN 200 FEET LONG FROM PANEL TO FARTHEST DEVICE OR LOAD, SHALL BE NO SMALLER THAN NO. 10 AWG. CONDUCTORS FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 150 FEET LONG AND OF 277 VOLTS MORE THAN 300 FEET LONG FROM PANEL TO FARTHEST DEVICE OR LOAD, SHALL BE NO SMALLER THAN NO. 8 AWG.
5. TYPE NM CABLE IS ACCEPTABLE FOR USE IN THE RESIDENTIAL AREAS AS ALLOWED BY THE NATIONAL ELECTRICAL CODE.
6. INSTALL CONDUCTORS IN COMPLIANCE WITH NEC REQUIREMENTS FOR TEMPERATURE AND CONDUIT FILL DERATING AND BOX FILL LIMITATIONS.
7. COLOR CODE CONDUCTORS AS FOLLOWS:
   A. 120/208 VOLT, 1 PHASE, 3 WIRE: BLACK, RED, WHITE
   B. 120/208 VOLT, 3 PHASE, 4 WIRE: BLACK, RED, BLUE, WHITE
8. NEUTRAL (GROUNDED) CONDUCTOR: PROVIDE AN UNSHARED DEDICATED NEUTRAL FOR EACH CIRCUIT UNLESS SPECIFICALLY NOTED OTHERWISE. IDENTIFY GROUNDED CONDUCTORS PER NEC FOR ALL CIRCUITS
9. GROUNDING CONDUCTORS: PROVIDE A GREEN EQUIPMENT GROUNDING CONDUCTOR IN EACH NEW RACEWAY, SIZED IN ACCORDANCE WITH NFPA 70, REGARDLESS OF THE TYPE OF CONDUIT.

SECTION 26 05 33 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

1. PROVIDE RACEWAYS AND BOXES LISTED AND SUITABLE FOR THE PROPOSED APPLICATION. PROVIDE AN EFFICIENTLY LAID OUT SYSTEM THAT ALLOWS FOR FUTURE GROWTH. COORDINATE RACEWAYS WITH THE WORK OF OTHER TRADES, AND COORDINATE LAYOUT AND CONSTRUCTION WITH OTHER CONSTRUCTION ELEMENTS TO ENSURE MAXIMUM HEADROOM, WORKING CLEARANCE, AND ACCESS.
2. UTILIZE RACEWAY SYSTEMS LISTED AND SUITABLE FOR THE ENVIRONMENT INSTALLED AS DEFINED BELOW:
   A. OUTDOORS (EXPOSED): WEATHERPROOF RIGID STEEL CONDUIT OR EMT SYSTEM.
   B. INDOORS (NOT SUBJECT TO PHYSICAL DAMAGE): EMT, MC OR NM CABLE.
   C. CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT, LIQUID-TIGHT IN DAMP AND WET LOCATIONS.

SECTION 26 27 26 - WIRING DEVICES

1. PROVIDE RECEPTACLES, CONNECTORS, SWITCHES, AND FINISH PLATES OF TYPES AND QUANTITIES SUITABLE FOR THE PROJECT AND INTENDED USE. WIRING DEVICES SHALL MEET NEMA WD 1 AND NEMA WD 6. WIRING TERMINALS SHALL BE OF THE SCREW TYPE OR OF THE SOLDERLESS PRESSURE TYPE HAVING SUITABLE CONDUCTOR-RELEASE ARRANGEMENT. WIRING DEVICES SHALL BE IMPACT RESISTANT NYLON WITH WHITE COLOR UNLESS NOTED OTHERWISE.
2. DEVICE PLATES ON UNFINISHED WALLS MAY BE OF ZINC-COATED SHEET STEEL, OR CAST METAL HAVING ROUNDED OR BEVELED EDGES. DEVICE AND DEVICE PLATES ON FINISHED WALLS SHALL BE WHITE AND MATCH DEVICE COLOR. SCREWS SHALL BE OF METAL WITH COUNTERSUNK HEADS, IN A COLOR TO MATCH THE FINISH OF THE PLATE.
3. SINGLE AND DUPLEX RECEPTACLES SHALL BE RATED 20 AMPERES, 125 VOLTS, 2-POLE, 3-WIRE, GROUNDING TYPE WITH POLARIZED PARALLEL SLOTS, BACK AND SIDE WIRED.
4. TOGGLE SWITCHES SHALL BE RATED 120-277 VOLT AC GROUNDING TYPE, TOTALLY ENCLOSED, GENERAL USE.

SECTION 26 51 00- INTERIOR LIGHTING

1. PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AS SHOWN ON THE DRAWINGS AND SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE. PROVIDE WITH ALL OPTIONS AND ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION IN COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. PAINT ALL EXPOSED RACEWAYS AND BOXES TO MATCH ADJACENT SURFACES.

SECTION 28 31 11 - DIGITAL FIRE ALARM SYSTEM

1. GENERAL: PROVIDE A COMPLETE, NON-CODED ADDRESSABLE, MICROPROCESSOR-BASED FIRE ALARM SYSTEM WITH INITIATING DEVICES, NOTIFICATION APPLIANCES, AND MONITORING AND CONTROL DEVICES AS SPECIFIED HEREIN. FURNISH AND INSTALL A COMPLETE FIRE ALARM SYSTEM AS DESCRIBED HEREIN AND AS SHOWN ON THE PLANS. INCLUDE SUFFICIENT CONTROL UNIT(S), ANNUNCIATOR(S), MANUAL STATIONS, AUTOMATIC FIRE DETECTORS, SMOKE DETECTORS, AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES, WIRING, TERMINATIONS, ELECTRICAL BOXES, ETHERNET DROPS, AND ALL OTHER NECESSARY MATERIAL FOR A COMPLETE OPERATING SYSTEM. PLEASE NOTE: THE DEVICE LAYOUT AS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO INDICATE A FULL INSTALLATION. RATHER IT IS INTENDED TO INDICATE SCOPE AND EXTEND OF DESIRED LAYOUTS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A FULLY CODE COMPLIANT SYSTEM.
2. UFAS - ALL UNITS MUST COMPLY WITH THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS). UNITS AND SHALL BE PROVIDED WITH FIRE ALARM DEVICES AND CONNECTIONS AS REQUIRED TO BE CODE COMPLIANT WITH SAID ACT,
3. PROVIDE SUBMITTAL AS FOLLOWS: PRODUCT DATA SHEETS FOR SYSTEM COMPONENTS HIGHLIGHTED TO INDICATE THE SPECIFIC PRODUCTS, FEATURES, OR FUNCTIONS REQUIRED TO MEET THIS SPECIFICATION. WIRING DIAGRAMS FROM MANUFACTURER. SHOP DRAWINGS SHOWING SYSTEM DETAILS INCLUDING LOCATION OF FACU, ALL DEVICES, CIRCUITING AND DETAILS OF GRAPHIC ANNUNCIATOR. SYSTEM POWER AND BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS TO ASSURE THAT THE SYSTEM WILL OPERATE IN ACCORDANCE WITH THE PRESCRIBED BACKUP TIME PERIODS AND UNDER ALL VOLTAGE CONDITIONS PER UL AND NFPA STANDARDS
4. SUBMISSION TO AUTHORITY HAVING JURISDICTION: IN ADDITION TO ROUTINE SUBMISSION OF THE ABOVE MATERIAL, MAKE AN IDENTICAL SUBMISSION TO THE AUTHORITY HAVING JURISDICTION. INCLUDE COPIES OF SHOP DRAWINGS AS REQUIRED TO DEPICT COMPONENT LOCATIONS TO FACILITATE REVIEW. UPON RECEIPT OF COMMENTS FROM THE AUTHORITY, MAKE RESUBMISSIONS, IF REQUIRED, TO MAKE CLARIFICATIONS OR REVISIONS TO OBTAIN APPROVAL.
5. THE FIRE ALARM SYSTEM SHALL CONSIST OF ALL NECESSARY HARDWARE EQUIPMENT AND SOFTWARE PROGRAMMING TO PERFORM THE FOLLOWING FUNCTIONS:
6. FIRE ALARM SYSTEM DETECTION AND NOTIFICATION OPERATIONS. CONTROL AND MONITORING OF ELEVATORS, DOOR HOLD-OPEN DEVICES, FIRE SUPPRESSION SYSTEMS, AND OTHER EQUIPMENT AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS. SYSTEM OPERATION DESCRIPTION INCLUDING METHOD OF OPERATION AND SUPERVISION OF EACH TYPE OF CIRCUIT AND SEQUENCE OF OPERATIONS FOR ALL MANUALLY AND AUTOMATICALLY INITIATED SYSTEM INPUTS AND OUTPUTS. A LIST OF ALL INPUT AND OUTPUT POINTS IN THE SYSTEM SHALL BE PROVIDED WITH A LABEL INDICATING LOCATION OR USE OF IDC, SLC, NAC, RELAY, SENSOR, AND AUXILIARY CONTROL CIRCUITS. OPERATING INSTRUCTIONS FOR FACU.
7. OPERATION AND MAINTENANCE DATA FOR INCLUSION IN OPERATING AND MAINTENANCE MANUAL. INCLUDE DATA FOR EACH TYPE PRODUCT, INCLUDING ALL FEATURES AND OPERATING SEQUENCES, BOTH AUTOMATIC AND MANUAL. PROVIDE THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF SERVICE ORGANIZATIONS.
8. THE SYSTEM AS INDICATED IS BASED ON A EST IO SERIES. APPROVED EQUALS WILL BE CONSIDERED.
9. INSTALL SYSTEM COMPONENTS AND ALL ASSOCIATED DEVICES IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. INSTALLATION PERSONNEL SHALL BE SUPERVISED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION, AND TESTING OF FIRE ALARM SYSTEMS. INSTALLATION SHALL BE BY PERSONNEL LICENSED OR CERTIFIED BY STATE OF ALASKA.
10. SEQUENCING: CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR PROPER SEQUENCING FOR ALARM CONDITIONS FOR ALL ELEMENTS OF THE BUILDING AND SPECIFICALLY HOW DWELLING UNIT ALARMS ARE SEQUENCED TO COMMON AREA ALARMS.
11. TRAINING: PROVIDE THE SERVICES OF A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO DEMONSTRATE THE SYSTEM AND TRAIN OWNER'S MAINTENANCE PERSONNEL. PROVIDE A MINIMUM OF 4 HOURS' TRAINING. SCHEDULE TRAINING WITH THE OWNER AT LEAST SEVEN DAYS IN ADVANCE.

PERMIT DOCUMENTS

STATE OF ALASKA 49 TH
SAMANTHA V. REDICK
EE-117987
01/15/26
REGISTERED PROFESSIONAL ENGINEER

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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

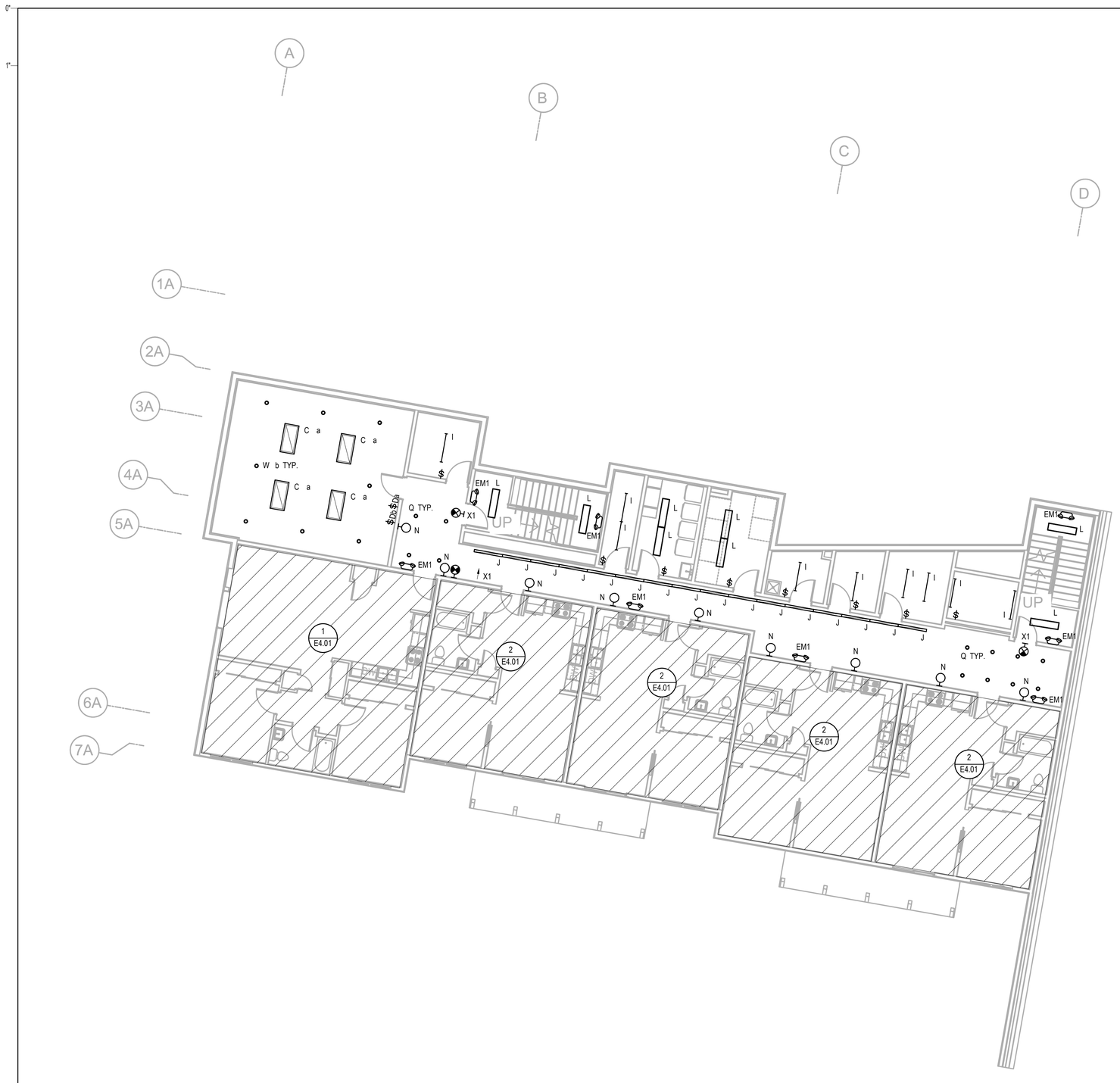
#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
SPECIFICATIONS

SHEET NO.
E0.02

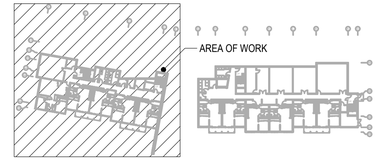
HALF SCALE WHEN PRINTED AT 11x17



GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING FIXTURES AND DEVICES SHOWN ON A ONE-FOR-ONE BASIS WITH NEW LED TYPE FIXTURES AS SCHEDULED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PAINTING OR PATCHING REQUIRED TO ENSURE PRODUCT LOOKS 'NEW AND ORIGINAL' AFTER INSTALLATION.
2. MAINTAIN EXISTING LIGHTING CONTROL THROUGH LIGHTING CONTACTOR IN COMMON AREAS.

1 LOWER LEVEL LIGHTING PLAN - WEST WING
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

PERMIT DOCUMENTS

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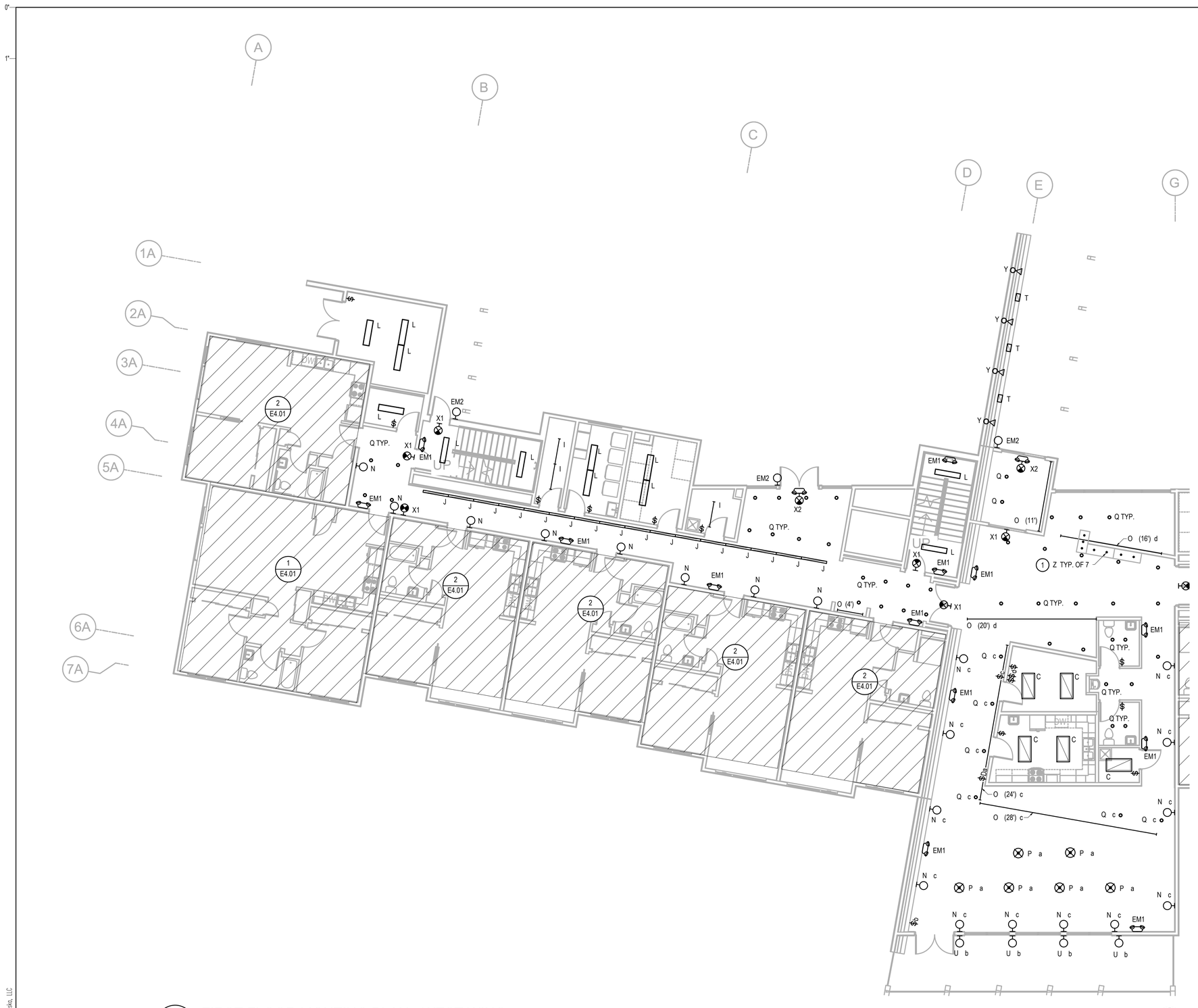
SHEET NAME
LOWER LEVEL
LIGHTING PLAN
WEST WING

SHEET NO.
E2.01

HALF SCALE WHEN PRINTED AT 11x17



1 FIRST FLOOR LIGHTING PLAN - WEST WING

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

GENERAL NOTES

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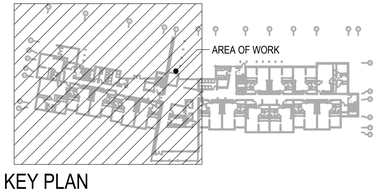
2. MAINTAIN EXISTING LIGHTING CONTROL THROUGH LIGHTING CONTACTOR IN COMMON AREAS.

SHEET NOTES

INDICATED BY: (#)

1. TYPE 'W' FIXTURES ARE SURFACE MOUNTED INSIDE DISPLAY CABINET.



KEY PLAN

SCALE: NTS

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SHEET NAME
FIRST FLOOR
LIGHTING PLAN
WEST WING

SHEET NO.
E2.02

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

GENERAL NOTES

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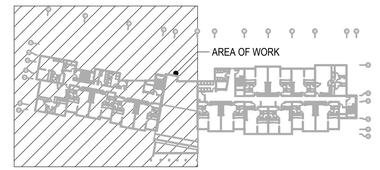
2. MAINTAIN EXISTING LIGHTING CONTROL THROUGH LIGHTING CONTACTOR IN COMMON AREAS.

1 SECOND FLOOR LIGHTING PLAN - WEST WING

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



KEY PLAN

SCALE: NTS

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SHEET NAME
SECOND FLOOR LIGHTING PLAN WEST WING

SHEET NO.
E2.03

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

GENERAL NOTES

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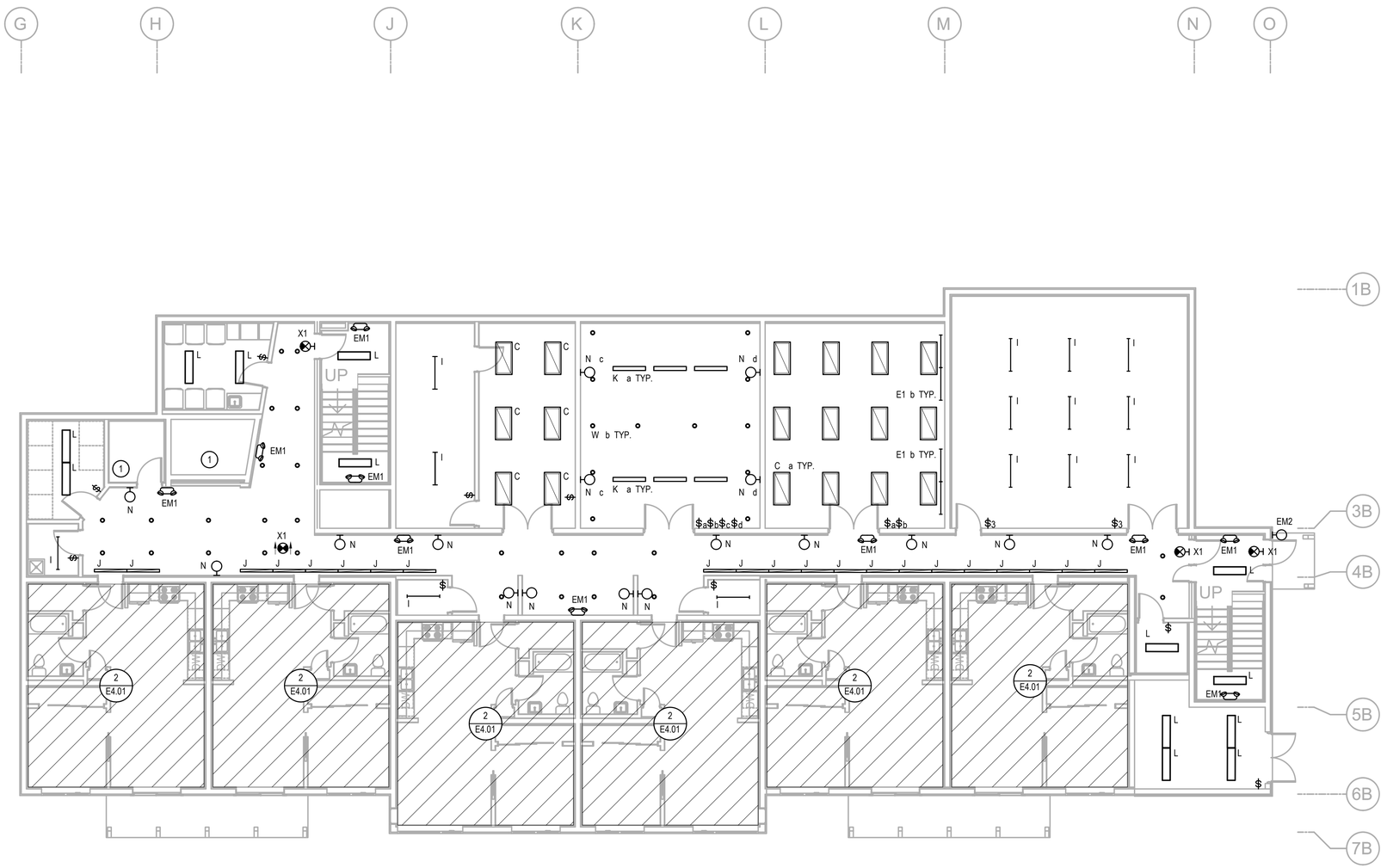
2. MAINTAIN EXISTING LIGHTING CONTROL THROUGH LIGHTING CONTACTOR IN COMMON AREAS.

SHEET NOTES

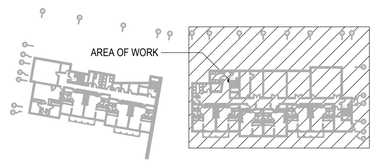
INDICATED BY: (#)

1. FIXTURES IN SPACES NOTED HAVE BEEN REPLACED WITH LEDS RECENTLY AND SHALL REMAIN AS IS.



1 LOWER LEVEL LIGHTING PLAN - EAST WING

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



KEY PLAN

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SHEET NAME
LOWER LEVEL
LIGHTING PLAN
EAST WING

SHEET NO.
E2.04

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

GENERAL NOTES

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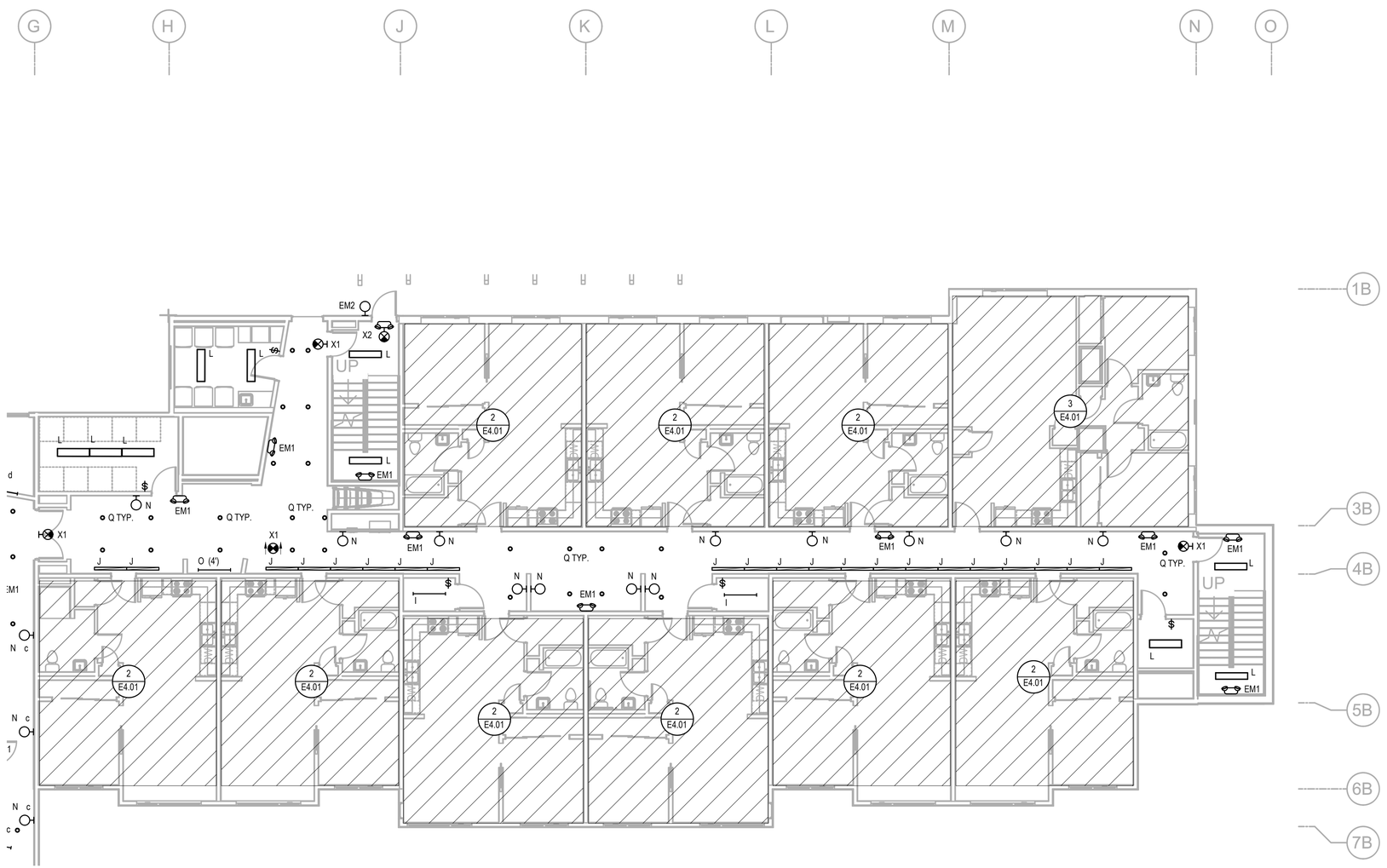
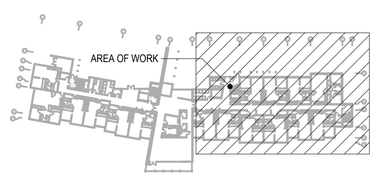


1 FIRST FLOOR LIGHTING PLAN - EAST WING

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



KEY PLAN

SCALE: NTS

PERMIT DOCUMENTS

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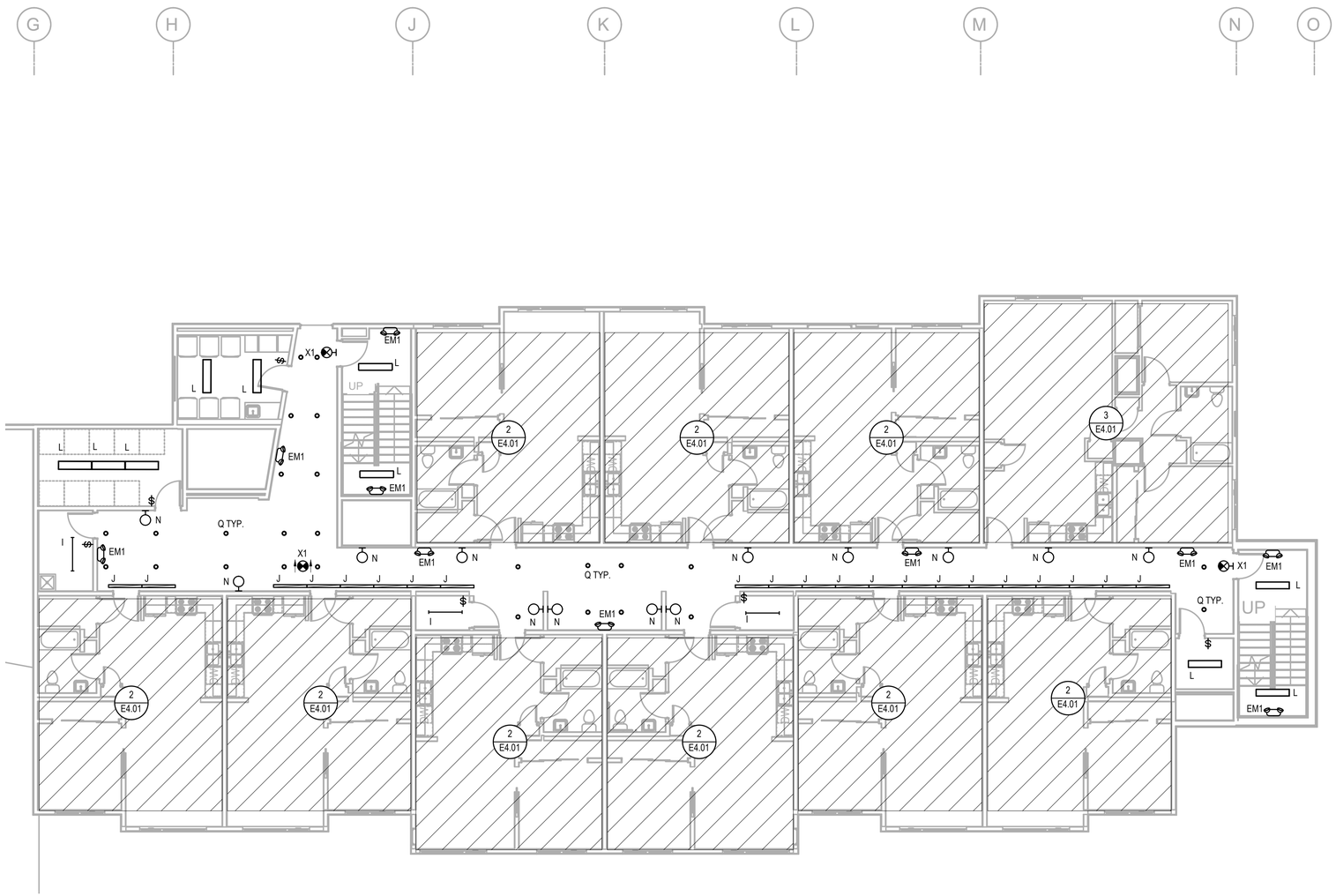
SHEET NAME
FIRST FLOOR
LIGHTING PLAN
EAST WING

SHEET NO.
E2.05



1 SECOND FLOOR LIGHTING PLAN - EAST WING

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

GENERAL NOTES

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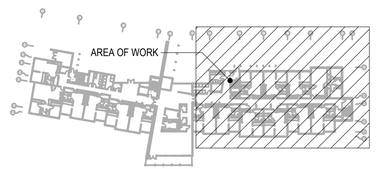
2. MAINTAIN EXISTING LIGHTING CONTROL THROUGH LIGHTING CONTACTOR IN COMMON AREAS.



KEY PLAN

SCALE: NTS

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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
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SHEET NAME
SECOND FLOOR
LIGHTING PLAN
EAST WING

SHEET NO.
E2.06

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

GENERAL NOTES

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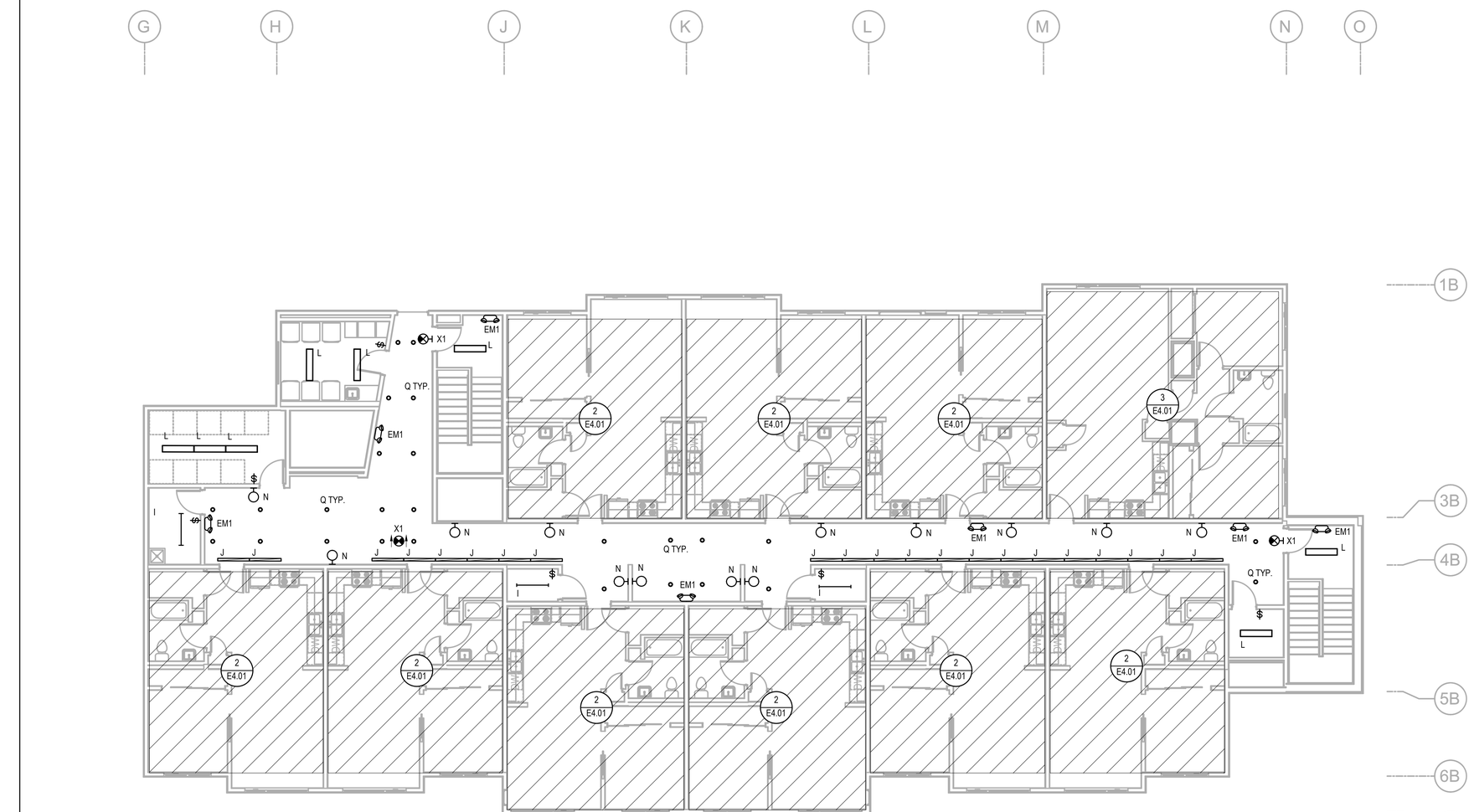
2. MAINTAIN EXISTING LIGHTING CONTROL THROUGH LIGHTING CONTACTOR IN COMMON AREAS.



1 THIRD FLOOR LIGHTING PLAN - EAST WING

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

STATE OF ALASKA 49 TH
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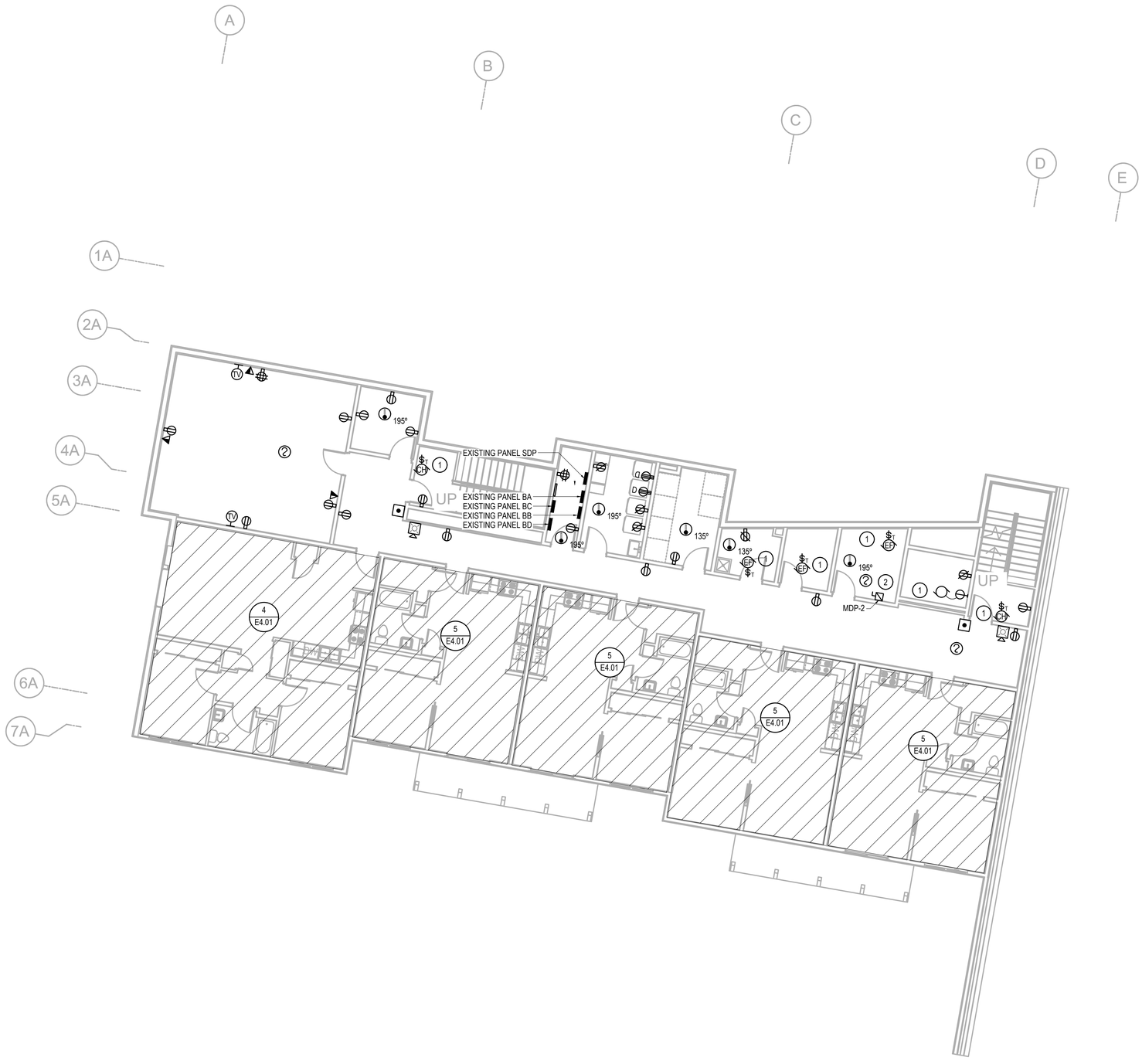
REVIEWED	TCA

SHEET NAME
THIRD FLOOR
LIGHTING PLAN
EAST WING

SHEET NO.
E2.07

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17



GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

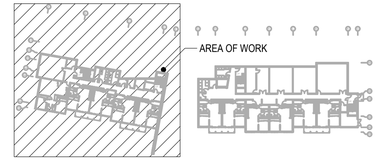
SHEET NOTES

INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.
2. ELEVATOR TO BE MODERNIZED, PROVIDE NEW FUSED DISCONNECT AND CONNECTIONS AS REQUIRED BY ELEVATOR MANUFACTURER'S RECOMMENDATIONS. WHERE CODE COMPLIANT AND SUITABLE FOR INSTALLATION OF NEW DEVICES AND EQUIPMENT THE CONTRACTOR MAY REUSE EXISTING BRANCH CIRCUITRY. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN EACH REUSED CONDUIT SYSTEM WHERE ONE IS NOT CURRENTLY PROVIDED. WHERE EXISTING CIRCUITRY IS UNSUITABLE TO PROVIDE SUPPLY AND CONTROL INDICATED, PROVIDE NEW CIRCUIT AND CONTROL WIRING IN RACEWAY PER SPECIFICATIONS AND AS REQUIRED.

1 LOWER LEVEL POWER & SIGNAL PLAN - WEST WING

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



KEY PLAN

SCALE: NTS

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SHEET NAME
LOWER LEVEL
POWER & SIGNAL PLAN
WEST WING

SHEET NO.
E3.01

PERMIT DOCUMENTS

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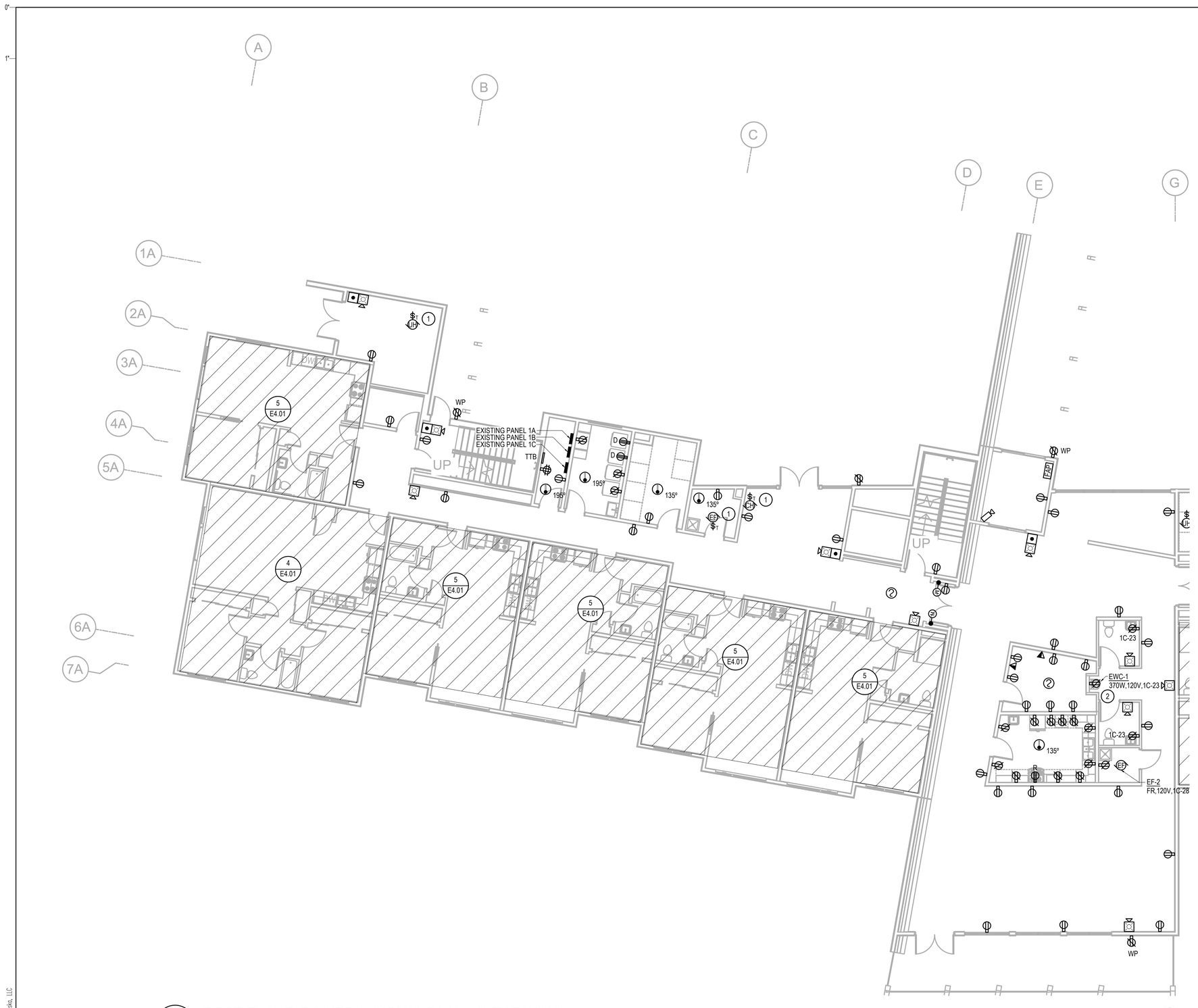


1 FIRST FLOOR POWER & SIGNAL PLAN - WEST WING

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

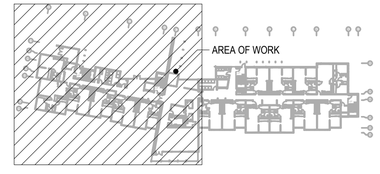
GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

SHEET NOTES

INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.
2. PROVIDE NEW RECEPTACLE AT LOCATION NOTED, COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH FINAL EQUIPMENT SUPPLIED. CAPTURE EXISTING CIRCUIT WIRING AT ADJACENT RESTROOM RECEPTACLE AND EXTEND TO LOCATION INDICATED.



KEY PLAN

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SHEET NAME
FIRST FLOOR
POWER & SIGNAL PLAN
WEST WING

SHEET NO.
E3.02

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

SHEET NOTES

INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.
2. MAINTAIN EXISTING CIRCUITRY & WIRING, REPLACE SOURCE CIRCUIT BREAKER AS INDICATED ON PANEL SCHEDULES.

1 SECOND FLOOR POWER & SIGNAL PLAN - WEST WING

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

KEY PLAN

SCALE: NTS

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SHEET NAME
SECOND FLOOR
POWER & SIGNAL PLAN
WEST WING

SHEET NO.
E3.03

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

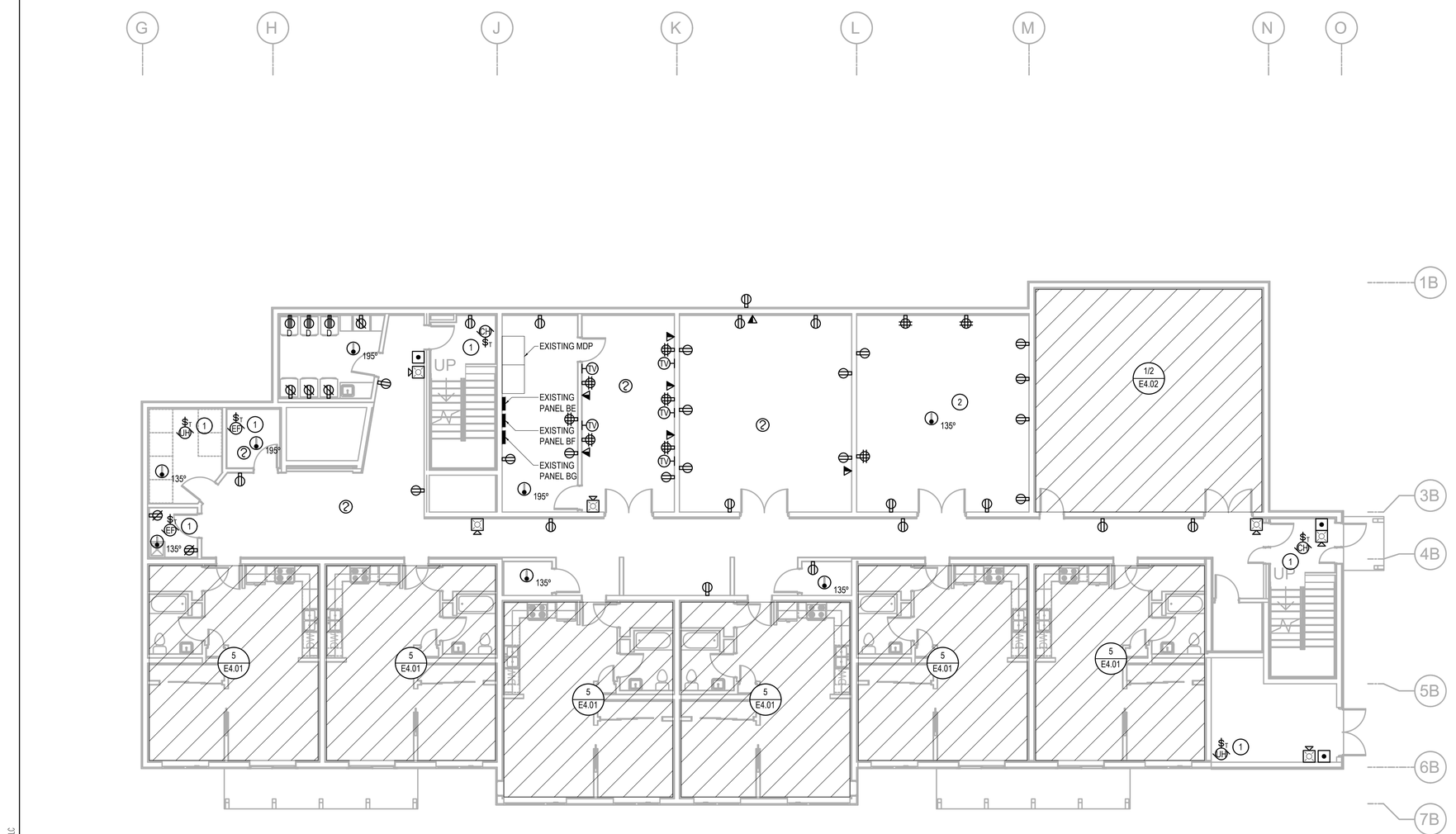
GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

SHEET NOTES

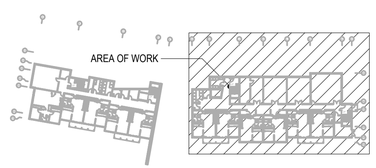
INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.
2. PROVIDE BLANK FACE PLATES FOR (2) EXISTING FLOOR RECEPTACLES IN ROOM NOTED.



1 LOWER LEVEL POWER & SIGNAL PLAN - EAST WING

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



KEY PLAN

SCALE: NTS

STATE OF ALASKA
49 TH
SAMANTHA V. REDICK
EE-117987
01/15/26
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATE OF AUTHORIZATION NO:
T3 ALASKA, LLC AECL #: 1625

sparkdesign,llc
T3 ALASKA LLC
Mechanical & Electrical Engineering
301 Calista Court, Suite 100
Anchorage, AK 99518
Ph: 907-865-7900 Fax: 907-865-7975

COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
LOWER LEVEL
POWER & SIGNAL PLAN
EAST WING

SHEET NO.
E3.04

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

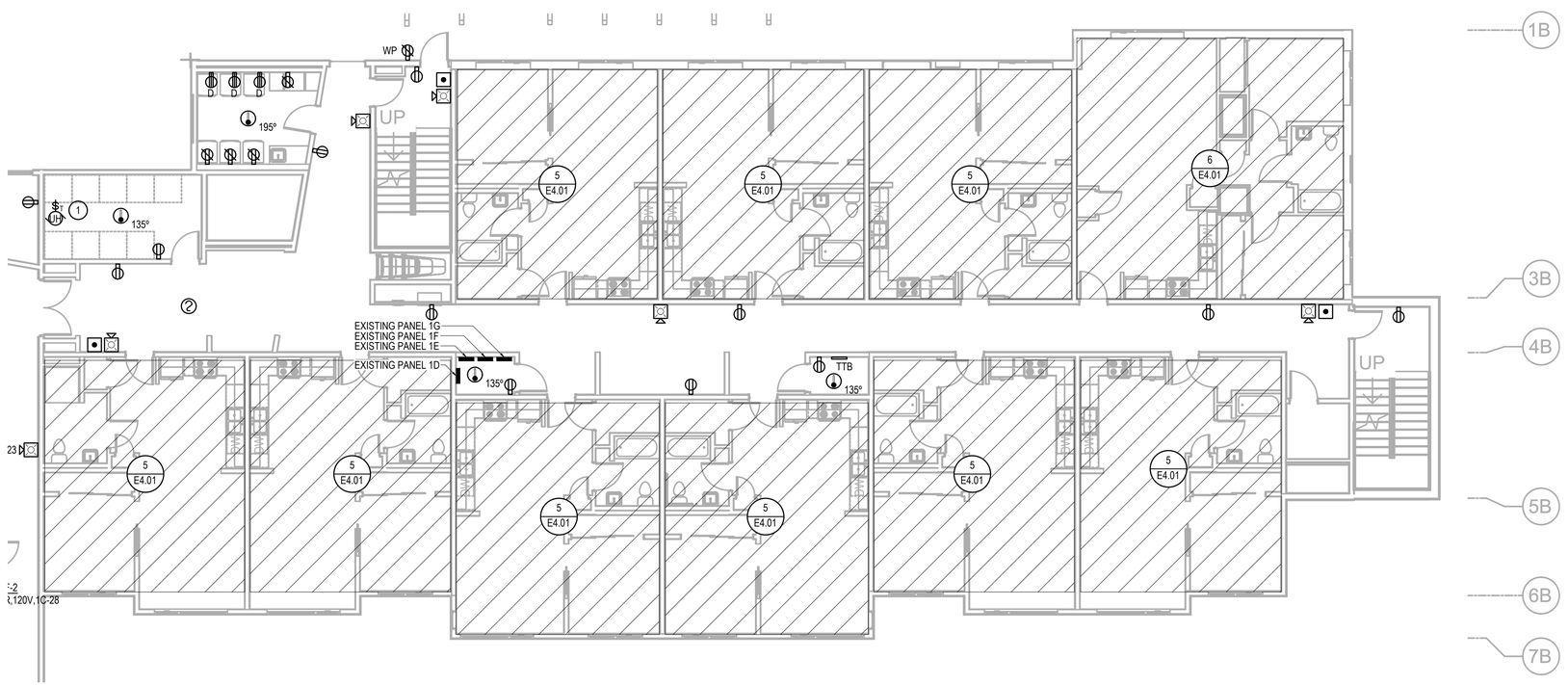
GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

SHEET NOTES

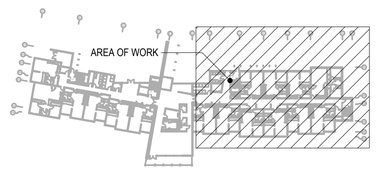
INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.



1 FIRST FLOOR POWER & SIGNAL PLAN - EAST WING

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



KEY PLAN

SCALE: NTS

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49 TH
SAMANTHA V. REDICK
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KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

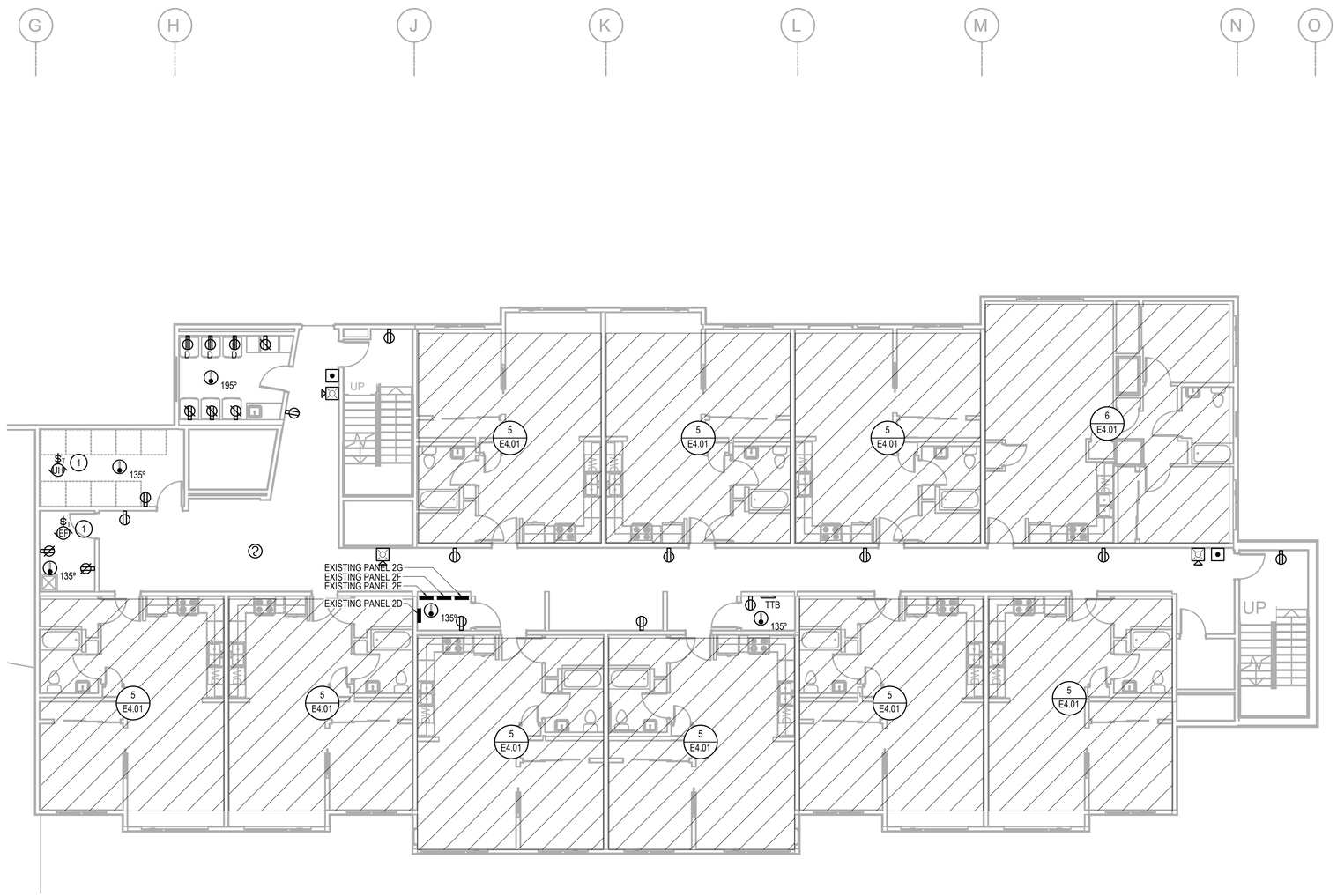
JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
FIRST FLOOR
POWER & SIGNAL PLAN
EAST WING

SHEET NO.
E3.05

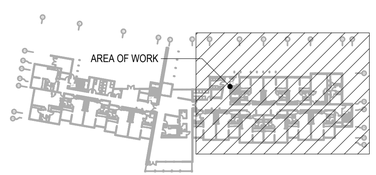
PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17



1 SECOND FLOOR POWER & SIGNAL PLAN - EAST WING

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



KEY PLAN

SCALE: NTS

GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

SHEET NOTES

INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.

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KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
SECOND FLOOR
POWER & SIGNAL PLAN
EAST WING

SHEET NO.
E3.06

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

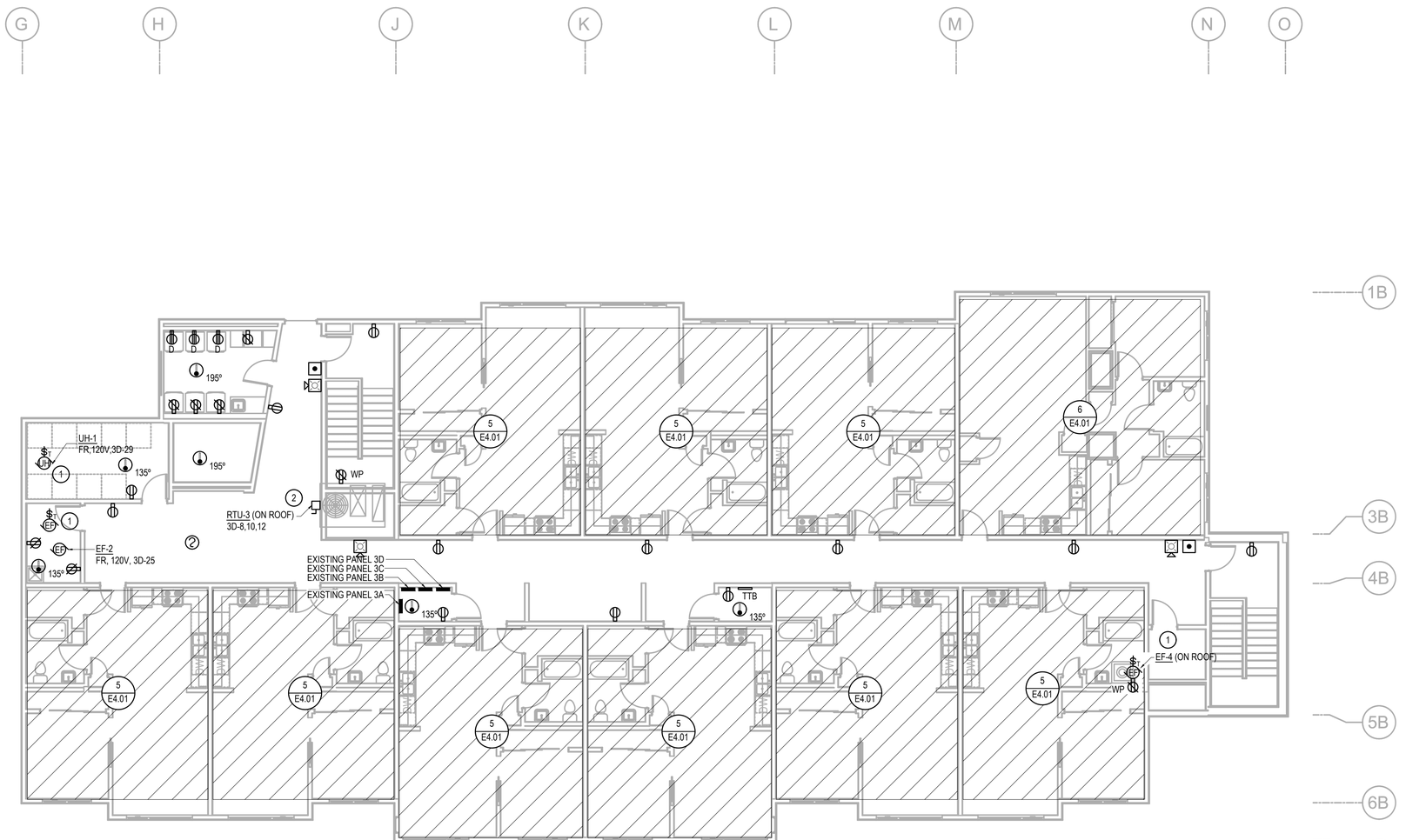
GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.

SHEET NOTES

INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.
2. MAINTAIN EXISTING CIRCUITRY & WIRING, REPLACE SOURCE CIRCUIT BREAKER AS INDICATED ON PANEL SCHEDULES.



1 THIRD FLOOR POWER & SIGNAL PLAN - EAST WING

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

STATE OF ALASKA 49 TH
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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
THIRD FLOOR
POWER & SIGNAL PLAN
EAST WING

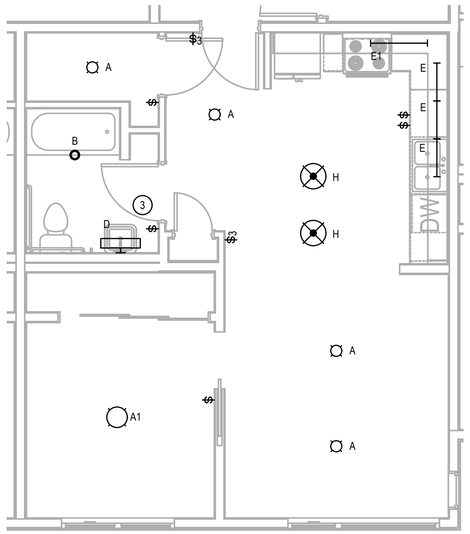
SHEET NO.
E3.07

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

1 TYPICAL 2-BED UNIT LIGHTING PLAN

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

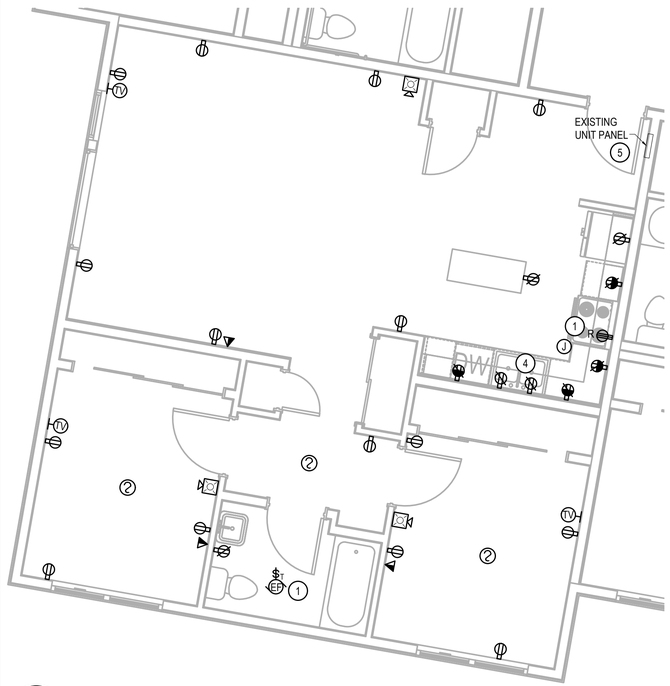


2 TYPICAL 1-BED UNIT LIGHTING PLAN

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

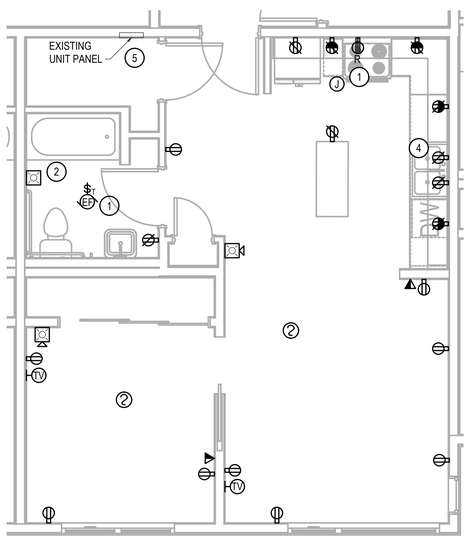
3 TYPICAL ACCESSIBLE UNIT LIGHTING PLAN

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



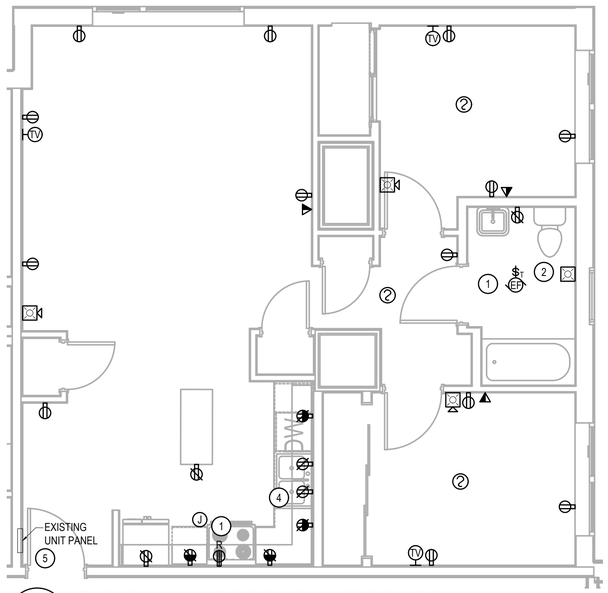
4 TYPICAL 2-BED UNIT POWER PLAN

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



5 TYPICAL 1-BED UNIT POWER PLAN

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



6 TYPICAL ACCESSIBLE UNIT POWER PLAN

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

GENERAL NOTES

1. DESIGN INTENT IS TO REPLACE EXISTING DEVICES AND PLATES INDICATED WITH NEW DEVICES AND PLATES.
2. RECEPTACLE AND SWITCH LOCATIONS IN ACCESSIBLE UNITS MAY VARY, COORDINATE EXACT LOCATIONS AND REPLACE ON A ONE-FOR-ONE BASIS. DESIGN INTENT IS NOT TO MOVE DEVICES UNLESS NOTED OTHERWISE.
3. ALL CIRCUIT BREAKERS SERVING UNITS ARE TO BE REPLACED, REFERENCE PANEL SCHEDULES.

SHEET NOTES

INDICATED BY: (#)

1. MAINTAIN EXISTING CIRCUITRY FOR REPLACEMENT OF MECHANICAL EQUIPMENT NOTED WITH NO CHANGE IN CIRCUIT LOAD.
2. STROBE INCLUDED IN ACCESSIBLE UNITS ONLY, OMIT FOR ALL OTHER UNITS.
3. UNIT RESTROOMS ARE TO HAVE NIGHT LIGHTS LOCATED UNDER ROOM SWITCH REMOVED, HEAT LAMPS REMOVED, AND HEAT LAMP SWITCHES REMOVED. PROVIDE DUAL GANG FACE PLATE WITH ONE SWITCH FOR ROOM LIGHTING AND ONE BLANK.
4. DISPOSAL AND SWITCH CONTROLLING DISPOSAL RECEPTACLE ARE TO BE REMOVED. PROVIDE BLANK FACE PLATE AT DISPOSAL SWITCH LOCATION. REPLACE RECEPTACLE AS INDICATED.
5. CIRCUIT BREAKERS TO BE REPLACED IN EACH UNIT PANEL AS INDICATED ON TYPICAL UNIT PANEL SCHEDULE.

PERMIT DOCUMENTS

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ANCHORAGE, ALASKA

REVISION SCHEDULE

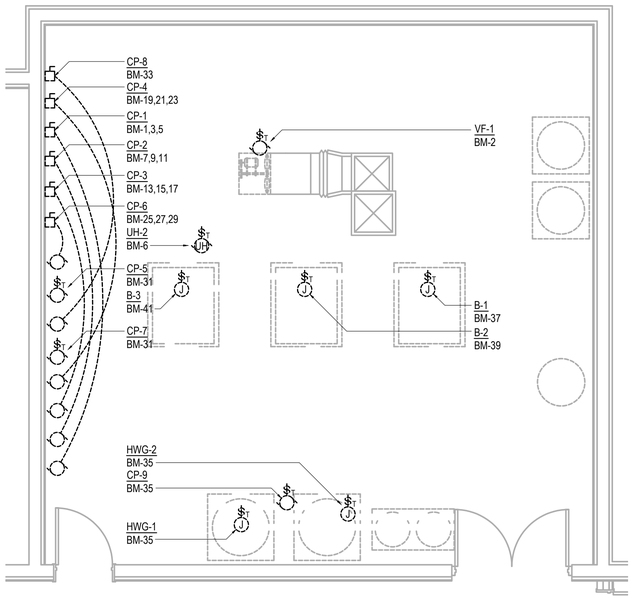
#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
ENLARGED LIGHTING & POWER UNIT PLANS

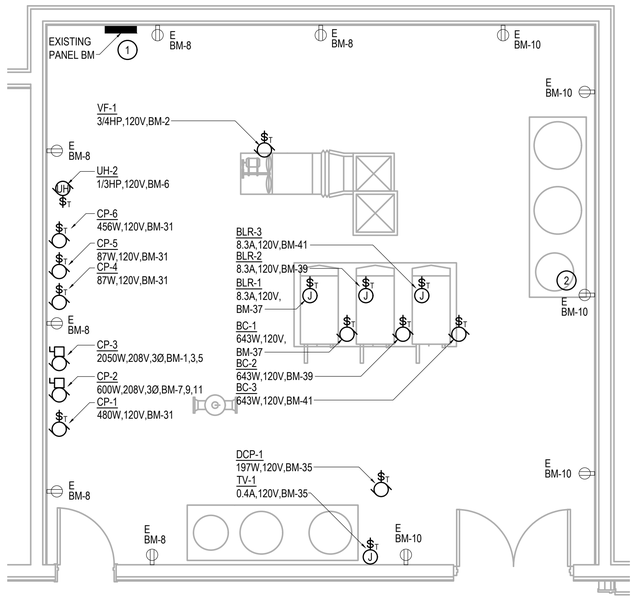
SHEET NO.
E4.01

HALF SCALE WHEN PRINTED AT 11x17



1 ENLARGED MECHANICAL ROOM POWER DEMOLITION PLAN

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



2 ENLARGED MECHANICAL ROOM POWER REMODEL PLAN

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

GENERAL NOTES

1. DASHED SYMBOLS INDICATE DEVICES AND EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED BRANCH CIRCUIT WIRING BACK TO SOURCE PANEL OR EXISTING UPSTREAM DEVICE TO REMAIN.
2. EXISTING ELECTRICAL INFORMATION AND CIRCUITRY IS BASED ON RECORD DRAWINGS, PANEL SCHEDULES, AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO THE START OF WORK.
3. DEVICES NOTED 'E' ARE EXISTING TO REMAIN AND ARE SHOWN FOR CLARITY ONLY. MAINTAIN EXISTING LOCATION AND CIRCUITRY UNLESS NOTED OTHERWISE.
4. UPDATE PANEL SCHEDULES TO IDENTIFY REVISED LOADS, NEW LOADS, AND NEW SPARES AS A RESULT OF THIS PROJECT.
5. WHERE CODE COMPLIANT AND SUITABLE FOR INSTALLATION OF NEW DEVICES AND EQUIPMENT, THE CONTRACTOR MAY REUSE EXISTING BRANCH CIRCUITRY. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN EACH REUSED CONDUIT SYSTEM WHERE ONE IS NOT CURRENTLY PROVIDED. WHERE EXISTING CIRCUITRY IS UNSUITABLE TO PROVIDE SUPPLY AND CONTROL INDICATED, PROVIDE NEW CIRCUIT AND CONTROL WIRING IN RACEWAY PER SPECIFICATIONS AND AS REQUIRED.

SHEET NOTES

INDICATED BY: (#)

1. PROVIDE NEW COVER/DOOR FOR EXISTING PANELBOARD NOTED.
2. UTILIZE EXISTING RECEPTACLE FOR NEW MECHANICAL EQUIPMENT GMT-1: 0.7A, 120V.

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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
ENLARGED MECHANICAL ROOM POWER PLANS

SHEET NO.
E4.02

HALF SCALE WHEN PRINTED AT 11x17

PERMIT DOCUMENTS

FAULT CURRENT CALCULATION SUMMARY

ASSUMED UTILITY CONFIGURATION	
UTILITY CONTRIBUTION:	INFINITE
TRANSFORMER RATING:	300kVA
TRANSFORMER IMPEDENCE:	2.52%Z

EQUIPMENT	SUPPLY FEEDER RATING AND LENGTH		FAULT CURRENT L-L	FAULT CURRENT L-N	BUS RATING
(E) UTILITY TRANS SECONDARY	N/A		14,320 A	N/A	N/A
(E) CT ENCLOSURE	6 EA. #300 AL PER PHASE	10'	14,237 A	14,186 A	(E) 42,000 A
(E) MDP	5 EA. #600 CU PER PHASE	40'	13,987 A	13,676 A	(E) 42,000 A
WEST ELEVATOR *	1 EA. #1 CU PER PHASE	115'	7,789 A	4,523 A	10,000 A

CONTRACTOR TO CONFIRM UTILITY ASSUMPTIONS UTILIZED FOR THIS CALCULATION AS WELL AS INSTALLED CONDUCTOR CONFIGURATIONS AND LENGTHS DURING CONSTRUCTION. REPORT ANY DECREASE IN TRANSFORMER IMPEDENCE AND INSTALLED CABLE LENGTHS AS WELL AS ANY INCREASE IN TRANSFORMER KVA RATING AND CONDUCTOR RATINGS TO ENGINEER FOR RE-EVALUATION PRIOR TO DISTRIBUTION EQUIPMENT PROCUREMENT.
* - CONFIRM ELEVATOR ELECTRICAL CONNECTION SIZE AND RATINGS WITH FINAL EQUIPMENT SUPPLIED PRIOR TO ROUGH IN.

EXISTING PANEL BC

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: PANEL SDP | SHORT CIRCUIT CURRENT RATING (SCCR): 22,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30	/	DRYER	2,500 256			LTG - CORRIDOR	1	20	2	E
	3	/	2			2,500 304		LTG - CORRIDOR	1	20	4	E
N,GF	5	30	/	DRYER			2,500 539	LTG - STOR / LAUNDRY ROOMS	1	20	6	E
	7	/	2		2,500 1,500			LTG - PARKING LOT	1	20	8	E
N,GF	9	20	1	WASHER		1,500 1,500		LTG - PARKING LOT	1	20	10	E
N,GF	11	20	1	WASHER			1,500 800	HEAT TRACE	1	20	12	E
E	13	20	1	REC - LTG ELEV PIT	70			SPARE	1	20	14	E
E	15	20	1	REC - SUMP PUMP		865		SPARE	1	20	16	E
E	17	20	1	ELEV CONTROL PANEL			500 1,500	LTG, REC - EXISTING	1	20	18	E
E	19	20	1	REC - CORRIDOR, SMALL RMS	720			SPARE	1	20	20	E
E	21	20	1	REC - CORRIDOR, SMALL RMS		900		SPARE	1	20	22	S
E	23	20	1	REC - TV/GAME ROOM			900 200	THERMOSTATS	1	20	24	E
E	25	20	1	REC - FAN ROOM	540			SPARE	1	20	26	E
E	27	20	1	EF-2		200		SPACE	1	-	28	
E	29	20	1	EF-3			1,180	SPACE	1	-	30	
E	31	20	1	CUH-1, CUH-2	200			SPACE	1	-	32	
E	33	20	1	SPARE				SPACE	1	-	34	
E	35	20	1	FIRE SMOKE DAMPER			300	SPACE	1	-	36	
	37	-	1	SPACE				SPACE	1	-	38	
	39	-	1	SPACE				SPACE	1	-	40	
	41	-	1	SPACE				SPACE	1	-	42	
	CONNECTED LOAD (VA)				8,286	7,769	9,919	25,974 VA				
	CONNECTED LOAD (AMPERES)				69	65	83	72 A				
	DEMAND LOAD (VA) *				8,725	8,220	10,429	27,374 VA				
	DEMAND LOAD (AMPERES) *				73	69	87	76 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

EXISTING PANEL BM

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: PANEL SDP | SHORT CIRCUIT CURRENT RATING (SCCR): 22,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
	1	15	/		683 1,656			VF-1	1	20	2	R
R	3	/	/	CP-3		683 200		HVAC CONTROL PANEL	1	20	4	E
	5	/	3				683 864	UNIT HEATER - MECH RM	1	20	6	R
	7	15	/		200 1,080			REC - MECH ROOM	1	20	8	E
R	9	/	/	CP-2		200 900		REC - MECH ROOM	1	20	10	E
	11	/	3				200	SPARE	1	20	12	E
	13	20	/					SPARE	1	20	14	E
S	15	/	/	SPARE		170		LTG - MECH ROOM	1	20	16	R
	17	/	3					SPARE	1	20	18	E
	19	15	/		500			FIRE ALARM	1	20	20	E
S	21	/	/	SPARE				SPARE	1	20	22	E
	23	/	3					SPARE	1	20	24	E
	25	35	/					SPARE	1	20	26	E
S	27	/	/	SPARE				SPARE	1	20	28	E
	29	/	3					SPARE	1	20	30	E
R	31	20	1	CP-1, CP-4, CP-5, CP-6	1,110			SPARE	1	20	32	E
E	33	25	1	SPARE				SPARE	1	20	34	E
R	35	20	1	DCP-1, TV-1			245	SPARE	1	20	36	E
R	37	25	1	BOILER 1, BOILER PUMP 1	1,639			SPARE	1	20	38	E
R	39	25	1	BOILER 2, BOILER PUMP 2		1,639		SPARE	1	20	40	E
R	41	25	1	BOILER 3, BOILER PUMP 3			1,639	SPARE	1	20	42	E
	CONNECTED LOAD (VA)				6,868	3,792	3,631	14,292 VA				
	CONNECTED LOAD (AMPERES)				57	32	30	40 A				
	DEMAND LOAD (VA) *				7,039	4,006	3,802	14,847 VA				
	DEMAND LOAD (AMPERES) *				59	33	32	41 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

EXISTING PANEL BG

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: MDP | SHORT CIRCUIT CURRENT RATING (SCCR): 22,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30	/	DRYER	2,500 336			LTG - CORRIDOR	1	20	2	E
	3	/	2			2,500 143		LTG - CORRIDOR	1	20	4	E
N,GF	5	30	/	DRYER			2,500 360	LTG - CORRIDOR	1	20	6	E
	7	/	2		2,500 196			LTG - STOR, LAUNDRY ROOMS	1	20	8	E
N,GF	9	30	/	DRYER		2,500 245		LTG - REFUSE, STORAGE	1	20	10	E
	11	/	2				2,500 100	EF-2	1	20	12	E
N,GF	13	20	1	WASHER	1,500 400			HEAT TRACE	1	20	14	E
N,GF	15	20	1	WASHER		1,500 702		LTG - CRAFTS ROOM	1	20	16	E
N,GF	17	20	1	WASHER			1,500 330	LTG - TRAINING ROOM	1	20	18	E
E	19	20	1	REC - LTG ELEV PIT	330 360			REC - CRAFTS ROOM	1	20	20	E
E	21	20	1	SUMP PUMP		865 360		REC - CRAFTS ROOM	1	20	22	E
E	23	20	1	ELEVATOR CAB			1,200 360	REC - CRAFTS ROOM	1	20	24	E
N,A	25	20	1	REC - CORRIDOR / ROOMS	1,080 540			REC - ELECTRICAL ROOM	1	20	26	E
N,A	27	20	1	REC - CORRIDOR / ROOMS		1,360 540		REC - TRAINING ROOM	1	20	28	E
E	29	20	1	REC - STORAGE			1,080 540	REC - TRAINING ROOM	1	20	30	E
E	31	20	1	REC - STORAGE	900 540			REC - TRAINING ROOM	1	20	32	E
E	33	20	1	REC - FAN ROOM		720 540		REC - LIBRARY	1	20	34	E
E	35	20	1	REC - STORAGE			720 540	REC - LIBRARY	1	20	36	E
E	37	20	1	EF-2	200 540			REC - LIBRARY	1	20	38	E
E	39	20	1	CUH-1,2,UH-1		400 360		REC - TTB ELEC RM	1	20	40	E
E	41	20	1	FIRE SMOKE DAMPER			300 500	FIRE ALARM PANEL	1	20	42	E
	CONNECTED LOAD (VA)				11,922	12,735	12,530	37,187 VA				
	CONNECTED LOAD (AMPERES)				99	106	104	103 A				
	DEMAND LOAD (VA) *				12,055	13,224	12,703	37,981 VA				
	DEMAND LOAD (AMPERES) *				100	110	106	106 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

EXISTING PANEL 1C

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: PANEL SDP | SHORT CIRCUIT CURRENT RATING (SCCR): 10,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30	/	DRYER	2,500 224			LTG - CORRIDOR	1	20	2	E
	3	/	2			2,500 224		LTG - CORRIDOR	1	20	4	E
N,GF	5	30	/	DRYER			2,500 506	LTG - STOR, LAUNDRY ROOMS	1	20	6	E
	7	/	2		2,500 144			LTG - LOBBY	1	20	8	E
N,GF	9	20	1	WASHER		1,500 448		LTG - COMMONS	1	20	10	E
N,GF	11	20	1	WASHER			1,500 419	LTG - COMMONS	1	20	12	E
E	13	20	1	REC - CORRIDOR	1,080 180			LTG - COMMONS	1	20	14	E
E	15	20	1	REC - CORRIDOR		1,080 50		HEAT TRACE	1	20	16	E
E	17	20	1	REC - LOBBY			1,080	SPARE	1	20	18	E
E	19	20	1	REC - COMMONS	1,080 150			LTG - BACK DECK	1	20	20	E
E	21	20	1	REC - COMMONS		1,080 80		LTG - BACK CANOPY	1	20	22	E
R	23	20	1	REC - LOBBY RESTROOMS, WATER FOUNTAIN			730 165	LTG - FRONT DECK / CANOPY	1	20	24	E
E	25	20	1	REC - COMMONS OFFICE	720 300			CUH-1, UH-1	1	20	26	E
E	27	20	1	REC - COMMONS OFFICE		720 200		EF-2	1	20	28	E
E	29	20	1	REC - DISHWASHER			1,200 1,200	ELECTRIC SLIDING DOORS	1	20	30	E
N,GF	31	50	/	RANGE KITCHEN	4,050 35			LTG - DISPLAY CASE	1	20	32	E
	33	/	2			4,050 272		LTG - CORRIDOR	1	20	34	E
E	35	20	1	REC - KITCHENETTE			1,500	SPARE	1	20	36	E
E	37	20	1	REC - KITCHENETTE	1,500			SPARE	1	20	38	E
E	39	20	1	FIRE SMOKE DAMPER		200		SPACE	1	-	40	E
E	41	20	1	SPARE				SPACE	1	-	42	E
	CONNECTED LOAD (VA)				14,463	12,404	10,800	37,667 VA				
	CONNECTED LOAD (AMPERES)				121	103	90	105 A				
	DEMAND LOAD (VA) *				14,676	12,660	11,073	38,409 VA				
	DEMAND LOAD (AMPERES) *				122	106	92	107 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

STATE OF ALASKA 49 TH
SAMANTHA V. REDICK
EE-117987
01/15/26
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATE OF AUTHORIZATION NO:
T3 ALASKA, LLC AECL #: 1625

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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
PANEL SCHEDULES

SHEET NO.
E5.01

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17

TYPICAL UNIT PANEL

VOLTAGE : 120/240V,1PH,3W | AMPRERE RATING: 60 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: VARIES | SHORT CIRCUIT CURRENT RATING: 10,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N	1	50		RANGE	3,000	900	REC/LTG/SMOKE - BEDROOM	1	20	2	N,A
A,GF	3		2			3,000	1,500 REC - KITCHEN & ISLAND	1	20	4	N,A
N,A	5	20	1	REC - DISHWASHER	1,000	1,500	REC - KITCHEN & RANGE HOOD	1	20	6	N,A
N,A	7	20	1	REC - UNDER SINK		180	900 REC - LIVING ROOM	1	20	8	N,A
N,A	9	20	1	UNIT LIGHTING	380	180	REC - BATHROOM	1	20	10	N,A
	11	-	1	SPACE			SPACE	1	-	12	
	13	-	1	SPACE			SPACE	1	-	14	
	15	-	1	SPACE			SPACE	1	-	16	
	17	-	1	SPACE			SPACE	1	-	18	
	19	-	1	SPACE			SPACE	1	-	20	
CONNECTED LOAD (VA)					6,960	5,580	12,540 VA				
CONNECTED LOAD (AMPERES)					58	47	60 A				
DEMAND LOAD (VA) *					6,960	5,580	12,540 VA				
DEMAND LOAD (AMPERES) *					58	47	60 A				

E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER, N - NEW CIRCUIT BREAKER & LOAD, S - NEW SPARE AS A RESULT OF THIS PROJECT
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - THERE WILL BE A REDUCTION IN UNITLOAD AS A RESULT OF THIS PROJECT.

EXISTING PANEL 1G

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: MDP | SHORT CIRCUIT CURRENT RATING (SCCR): 10,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30		DRYER	2,500	336		LTG - CORRIDOR & EMERGENCY	1	20	2	E
	3		2			2,500	143	LTG - CORRIDOR	1	20	4	E
N,GF	5	30		DRYER			2,500 360	LTG - CORRIDOR & EMERGENCY	1	20	6	E
	7		2		2,500			SPARE	1	20	8	S
N,GF	9	30		DRYER		2,500	500	TRASH INTERLOCK DOORS	1	20	10	E
	11		2				2,500 200	HEAT TRACE	1	20	12	E
N,GF	13	20	1	WASHER	1,500			SPARE	1	20	14	E
N,GF	15	20	1	WASHER		1,500		SPARE	1	20	16	E
N,GF	17	20	1	WASHER			1,500 50	DOOR MAGS	1	20	18	E
E	19	20	1	REC - CORRIDOR, HEAT TRANSFORMERS	1,080			SPARE	1	20	20	E
E	21	20	1	REC - CORRIDOR, HEAT TRANSFORMERS		1,260		SPARE	1	20	22	E
E	23	20	1	UH-1			100	SPARE	1	20	24	E
E	25	20	1	FIRE SMOKE DAMPER	200			SPARE	1	20	26	E
E	27	20	1	SPARE		450		SPARE	1	20	28	E
E	29	20	1	SPARE				SPARE	1	20	30	E
E	31	20	1	SPARE				SPARE	1	20	32	E
E	33	20	1	SPARE				SPACE	1	-	34	
	35	-	1	SPACE				SPACE	1	-	36	
	37	-	1	SPACE				SPACE	1	-	38	
	39	-	1	SPACE				SPACE	1	-	40	
	41	-	1	SPACE				SPACE	1	-	42	
CONNECTED LOAD (VA)					8,116	8,853	7,210	24,179 VA				
CONNECTED LOAD (AMPERES)					68	74	60	67 A				
DEMAND LOAD (VA) *					8,200	8,889	7,675	24,764 VA				
DEMAND LOAD (AMPERES) *					68	74	64	69 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

EXISTING PANEL 2C

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: PANEL SDP | SHORT CIRCUIT CURRENT RATING (SCCR): 10,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30		DRYER	2,500	157		LTG - CORRIDOR	1	20	2	E
	3		2			2,500	157	LTG - CORRIDOR	1	20	4	E
N,GF	5	30		DRYER			2,500 310	LTG - STOR, LAUNDRY ROOMS	1	20	6	E
	7		2		2,500	100		EF-2	1	20	8	E
N,GF	9	20	1	WASHER		1,500	3,720			45	10	
N,GF	11	20	1	WASHER			1,500 3,720	RTU-1			12	N
E	13	20	1	REC - CORRIDOR	1,260	3,720			3		14	
E	15	20	1	REC - CORRIDOR		1,260	6,240			60	16	
E	17	20	1	REC - ROOFTOP			360 6,240	RTU-2			18	N
E	19	20	1	SPARE		6,240			3		20	
E	21	20	1	FIRE SMOKE DAMPER		200	530	EF-4 (ON ROOF)	1	20	22	E
E	23	20	1	SPARE			272	LTG - CORRIDOR	1	20	24	E
E	25	20	1	SPARE				SPARE	1	20	26	E
E	27	20	1	SPARE				SPARE	1	20	28	E
E	29	20	1	SPARE				SPARE	1	20	30	E
E	31	20	1	SPARE				SPARE	1	20	32	E
E	33	20	1	SPARE				SPARE	1	20	34	E
E	35	20	1	SPARE				SPARE	1	20	36	E
E	37	20	1	SPARE				SPACE	1	-	38	
	39	-	1	SPACE				SPACE	1	-	40	
	41	-	1	SPACE				SPACE	1	-	42	
CONNECTED LOAD (VA)					16,477	16,107	14,902	47,486 VA				
CONNECTED LOAD (AMPERES)					137	134	124	132 A				
DEMAND LOAD (VA) *					18,076	17,706	16,540	52,322 VA				
DEMAND LOAD (AMPERES) *					151	148	138	145 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

EXISTING PANEL 2G

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: MDP | SHORT CIRCUIT CURRENT RATING (SCCR): 10,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30		DRYER	2,500	336		LTG - CORRIDOR	1	20	2	E
	3		2			2,500	143	LTG - CORRIDOR	1	20	4	E
N,GF	5	30		DRYER			2,500	SPARE	1	20	6	E
	7		2		2,500	360		LTG - CORRIDOR	1	20	8	E
N,GF	9	30		DRYER		2,500		SPARE	1	20	10	E
	11		2				2,500	SPARE	1	20	12	E
N,GF	13	20	1	WASHER	1,500			SPARE	1	20	14	E
N,GF	15	20	1	WASHER		1,500		SPARE	1	20	16	E
N,GF	17	20	1	WASHER			1,500	SPARE	1	20	18	E
E	19	20	1	REC - CORRIDOR	920			SPARE	1	20	20	E
E	21	20	1	REC - CORRIDOR		900		SPARE	1	20	22	E
E	23	20	1	REC - CORRIDOR			1,080	SPARE	1	20	24	E
E	25	20	1	EF-2	100			SPARE	1	20	26	E
E	27	20	1	UH-1		100		SPARE	1	20	28	E
E	29	20	1	FIRE SMOKE DAMPER			200	SPACE	1	20	30	
E	31	20	1	SPARE				SPACE	1	20	32	
E	33	20	1	SPARE				SPACE	1	20	34	
E	35	20	1	SPARE				SPACE	1	20	36	
	37	-	1	SPACE				SPACE	1	20	38	
	39	-	1	SPACE				SPACE	1	20	40	
	41	-	1	SPACE				SPACE	1	20	42	
CONNECTED LOAD (VA)					8,216	7,643	7,780	23,639 VA				
CONNECTED LOAD (AMPERES)					68	64	65	66 A				
DEMAND LOAD (VA) *					8,390	8,054	7,780	24,224 VA				
DEMAND LOAD (AMPERES) *					70	67	65	67 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

EXISTING PANEL 3D

VOLTAGE : 120/208V,3PH,4W | AMPERE RATING: 225 A
MOUNTING: SURFACE | MAIN CIRCUIT BREAKER RATING: MLO
SUPPLIED FROM: MDP | SHORT CIRCUIT CURRENT RATING (SCCR): 10,000 A

	CKT	AMP	POLE	LOAD DESCRIPTION	PHASE A VA	PHASE B VA	PHASE C VA	LOAD DESCRIPTION	POLE	AMP	CKT	
N,GF	1	30		DRYER	2,500	432		LTG - CORRIDOR	1	20	2	E
	3		2			2,500	432	LTG - CORRIDOR	1	20	4	E
N,GF	5	30		DRYER			2,500 432	LTG - CORRIDOR	1	20	6	E
	7		2		2,500	9,480				110	8	
N,GF	9	30		DRYER		2,500	9,480	RTU - 3			10	N
	11		2				2,500 9,480		3		12	
N,GF	13	20	1	WASHER	1,500	530		EF-4 (ON ROOF)	1	20	14	E
N,GF	15	20	1	WASHER		1,500		SPARE	1	20	16	E
N,GF	17	20	1	WASHER			1,500	SPARE	1	20	18	E
E	19	20	1	REC - CORRIDOR	1,080			SPARE	1	20	20	E
E	21	20	1	REC - CORRIDOR		1,080		SPARE	1	20	22	E
E	23	20	1	REC - CORRIDOR			720	SPARE	1	20	24	E
E	25	20	1	EF-2	100			SPARE	1	20	26	E
E	27	20	1	REC - ROOFTOP		360		REC - ROOFTOP	1	20	28	E
E	29	20	1	UH-1			100	SPARE	1	20	30	E
E	31	20	1	FIRE SMOKE DAMPER	200			SPARE	1	20	32	E
E	33	20	1	SPARE				SPARE	1	20	34	E
E	35	20	1	SPARE				SPARE	1	20	36	E
E	37	20	1	SPARE				SPARE	1	20	38	E
E	39	20	1	SPARE				SPACE	1	-	40	
E	41	20	1	SPARE				SPACE	1	-	42	
CONNECTED LOAD (VA)					18,322	17,852	17,232	53,406 VA				
CONNECTED LOAD (AMPERES)					153	149	144	148 A				
DEMAND LOAD (VA) *					20,800	20,330	19,710	60,840 VA				
DEMAND LOAD (AMPERES) *					173	169	164	169 A				

N - NEW CIRCUIT BREAKER, A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER, E - EXISTING CIRCUIT BREAKER & LOAD TO REMAIN, R - RECONFIGURED LOAD ON EXISTING CIRCUIT BREAKER
GF - PROVIDE CLASS A GFI TYPE CIRCUIT BREAKER (5mA), GP - PROVIDE CLASS B EPD TYPE CIRCUIT BREAKER (30mA), SH - PROVIDE SHUNT TRIP TYPE CIRCUIT BREAKER
* - DEMAND LOAD CALCULATED WITH LIGHTING & LARGEST MOTOR LOAD AT 125%

STATE OF ALASKA 49 TH
SAMANTHA V. REDICK
EE-117987
01/15/26
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATE OF AUTHORIZATION NO:
T3 ALASKA, LLC AECL #: 1625

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COOK INLET HOUSING AUTHORITY
KENAITZE RENOVATIONS
ANCHORAGE, ALASKA

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	2025.119.0
DATE	2026.01.16
DRAWN	SVR
REVIEWED	TCA

SHEET NAME
PANEL SCHEDULES

SHEET NO.
E5.02

PERMIT DOCUMENTS

HALF SCALE WHEN PRINTED AT 11x17