ELECTRICAL ABBREVIATIONS, SYMBOLS, AND NOTES

(THIS IS A STANDARD LEGEND, NOT ALL SYMBOLS MAY BE APPLICABLE TO PROJECT)

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADO	AUTOMATIC DOOR OPENER
AF	AMPERE FRAME
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CB,CIB,CKT BKR	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
D	DEMOLITION
DC	DIRECT CURRENT
DP	DISTRIBUTION PANEL
EG	EQUIPMENT GROUND
ELEC	ELECTRIC
E, EM	EMERGENCY
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FUSE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACU	FIRE ALARM CONTROL UNIT
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPS
FTU	FAN TERMINAL UNIT
G,GND	GROUND
GEN	GENERATOR
GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HV, H	HIGH VOLTAGE PANEL (277/480V)
IG	ISOLATED GROUND
JB, JBOX, J-BOX	JUNCTION BOX
LTG	LIGHTING
LV	LOW VOLTAGE PANEL (120/208V)
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG HGT	MOUNTING HEIGHT
NAC	NOTIFICATION AMPLIFICATION CIRCUIT
NF	NON-FUSED
NFSS	NON-FUSED SAFETY SWITCH
P	POLE
PH	PHASE
PB	PULL BOX
PNL	PANEL
POD	POWER OPERATED DAMPER
PWR	POWER
R	RELOCATED DEVICE
RECEPT,RCPT	RECEPTACLE
TEL	TELEPHONE
TR	TAMPER RESISTANT
TV	TELEVISION
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
VP	VAPOR PROOF
W	WIRE
W/	WITH
WP	WEATHER PROOF
XFMR, XFR, T	TRANSFORMER

UNIVERSAL

WALL BRACKET
- FIRE ALARM ELEVATION 7'-4"
- LIGHTING ELEVATION REFER TO FIXTURE SCHEDULE
- POWER ELEVATION REFER TO EQUIPMENT INSTALL MANUAL

WIRING

- HOMERUN
- NEUTRAL WIRE (SHORT STROKE)
- PHASE OR SWITHED WIRE (LONG STROKE)
- GROUND WIRE (FILLED CIRCLE)
- ISOLATED GROUND WIRE (OPEN CIRCLE)
- GROUND
- GROUNDING TRIAD
- CONDUIT CONCEALED IN WALL OR ABOVE CEILING
- CONDUIT CONCEALED IN SLAB, UNDER FLOOR, OR BELOW GRADE

TRANSFORMERS & PANELS

- T — TRANSFORMER
- PANEL BOARD (480/277 VOLT)
- SWITCHBOARD / DISTRIBUTION PANEL (480/277 VOLT)
- PANEL BOARD (208/120 VOLT)
- SWITCHBOARD / DISTRIBUTION PANEL (208/120 VOLT)

NOTE: NOT ALL SYMBOLS MAY BE USED.

SWITCHES & MISC.

NOTE: REFER TO CONTROLS DRAWINGS AND SEQUENCE OF OPERATIONS SCHEDULE FOR MORE INFORMATION

- $ — SWITCH (LOW VOLTAGE U.O.N.)
- $D — DIMMER SWITCH
- $LV — LINE VOLTAGE SWITCH
- $3,4 — THREE-WAY, FOUR-WAY SWITCH (REFER TO PLANS)
- $D3 — THREE WAY DIMMER SWITCH
- $M — MOTOR SWITCH
- $P — PROJECTOR SWITCH
- $PL — PILOT LIGHT SWITCH
- $WP — WEATHER PROOF SWITCH
- $OS — WALL MOUNTED OCCUPANCY SENSOR
- $VS — WALL MOUNTED VACANCY SENSOR
- VC — CEILING MOUNTED VACANCY SENSOR - REFER TO SPECIFICATIONS FOR TYPE
- OC — CEILING MOUNTED OCCUPANCY SENSOR - REFER TO SPECIFICATIONS FOR TYPE
- PC — PHOTO CELL
- TC — TIME CLOCK
- LIGHTING CONTACTOR
- DIMMER CONTROL PANEL
- VFD VFD — VARIABLE FREQUENCY DRIVE
- CB — ENCLOSED CIRCUIT BREAKER
- NON-FUSED DISCONNECT SWITCH
- CIRCUIT BREAKER IN NEMA ENCLOSURE
- FUSED DISCONNECT SWITCH 30A/30F/3P U.N.O.
- FUSED DISCONNECT SWITCH W/ MOTOR STARTER
- M — ELECTRIC METER
- ATS — AUTOMATIC TRANSFER SWITCH
- MOTOR
- ELECTRICAL CONNECTION TO MECHANICAL PROVIDED STARTER/DISCONNECT

OUTLETS & RECEPTACLES

- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- SINGLE RECEPTACLE
- FLOOR BOX
- DUPLEX RECEPTACLE (CEILING MOUNTED)
- SPECIAL OUTLET WITH NEMA CONFIGURATION TYPE CALLED OUT
- DUPLEX RECEPTACLE (1/2 SWITCHED)
- DUPLEX RECEPTACLE WITH USB PORT
- JUNCTION BOX
- TV — TELEVISION CONNECTION SERVICE
- POKE THRU DEVICE (FLOOR MOUNTED)
- WIRE MOLD
- POWER POLE
- GROUND BAR

ONE LINE/RISER DIAGRAM

- AMPS/POLES — SWITCH
- AMPS/POLES — FUSE
- AMPS/POLES — MOLDED CASE CIRCUIT BREAKER
- AMPS/POLES — DRAW OUT CIRCUIT BREAKER
- AUTOMATIC TRANSFER SWITCH
- GROUND ROD
- M — METER
- GF — GROUND FAULT RELAY
- AF / AT — FRAME RATING / TRIP RATING
- LSI / LSIG / LSIA — ELECTRONIC TRIP FUNCTIONS
- TRANSFORMER
- AMPS/POLES — GFCI CIRCUIT BREAKER
- GFR — GROUND FAULT RELAY
- BATTERY — BATTERY AND DISCONNECT
- K — KIRK KEY. SUBSCRIPT INDICATES CONNECTION GROUPING.
- N / G — NEUTRAL AND GROUND BUS. ARC INDICATES N-G BOND.

GENERAL NOTES

GENERAL CONDITIONS

1. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING ELECTRICAL SYSTEM IN SAFE WORKING ORDER.
2. SYMBOLS FOR VARIOUS ELEMENTS AND SYSTEMS ARE SHOWN ON THE DRAWINGS. SHOULD THERE BE ANY DOUBT REGARDING THE MEANING OR INTENT OF THE SYMBOLS USED, AN INTERPRETATION SHALL BE OBTAINED FROM THE ARCHITECT IN WRITING. THE DECISION OF THE ARCHITECT SHALL BE FINAL.
3. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO EXAMINE THE CONTRACT DOCUMENTS CAREFULLY, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION, CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTORS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION.
4. WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, THE BETTER QUALITY, OR LARGER SIZE SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING.
5. THE SCALE OF EACH DRAWING IS RELATIVELY ACCURATE; ANY DIMENSIONS SHOWN ARE APPROXIMATE TO CENTERLINE FROM ASSUMED BUILDING PERIMETER. THE CONTRACTOR SHALL OBTAIN THE NECESSARY DIMENSIONS FOR ANY EXACT TAKEOFFS FROM THE ARCHITECT. NO ADDITIONAL COST TO THE OWNER WILL BE CONSIDERED FOR FAILURE TO OBTAIN EXACT DIMENSIONS WHERE NOT CLEAR OR IN ERROR ON THE DRAWINGS. ANY DEVICE OR FIXTURE ROUGHED IN IMPROPERLY AND NOT POSITIONED ON IMPLIED CENTER-LINES OR AS REQUIRED BY GOOD PRACTICE MUST BE REPOSITIONED AT NO COST TO THE OWNER.
6. ALL WORK AND MATERIALS SHALL BE GUARANTEED FREE FROM DEFECTS FOR A MINIMUM PERIOD OF ONE YEAR UNLESS OTHERWISE NOTED . THE WARRANTY PERIOD SHALL BEGIN AT THE DATE OF BENEFICIAL OCCUPANCY OF THE FACILITY.
7. THE GENERAL CONTRACTOR SHALL REQUIRE ALL RELATED INFORMATION FROM THEIR SUB-CONTRACTORS AND SUPPLIERS THAT WILL ALLOW THE GENERAL CONTRACTOR TO INCORPORATE ALL ELEMENTS AND WORK OF ALL TRADES INTO A FULLY COORDINATED AUTO-CAD OR REVIT DRAWING SECTION THROUGH AREAS OF DENSE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SYSTEMS PRIOR TO THE FABRICATION OR INSTALLATION OF ANY WORK SO AS TO CONFIRM PROPER ACCESS TO ALL ELEMENTS FOR PROPER OPERATION AND MAINTENANCE SERVICE SPACE.
8. ONLY EXPERIENCED CRAFTSMEN KNOWLEDGEABLE IN THEIR RESPECTIVE TRADE SHALL PERFORM THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF NFPA STANDARD 70 (NATIONAL ELECTRICAL CODE). CONTRACTOR SHALL ALSO CONFORM TO ALL APPLICABLE LOCAL CODES AND AMENDMENTS.
10. ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO SWITCHGEAR, CONDUIT, WIRE, BOXES AND FITTINGS SHALL BE NEW AND SHALL MEET NEMA AND ANSI STANDARDS AND SHALL BEAR THE UL LABEL. ALL FEEDER AND BUSSING SHALL BE COPPER UNLESS OTHERWISE NOTED.
11. DURING RENOVATIONS PROJECTS, WHEN A CEILING IS OPENED UP, REMOVE ALL ABANDONED WIRE, CABLE, AND CONDUIT AND CLOSE/PROVIDE COVER PLATES FOR ALL JUNCTION BOXES.

CONDUIT & RACEWAY

1. ALL WORK SHALL BE COORDINATED SO THAT INTERFERENCES ARE AVOIDED. PROVIDE ALL NECESSARY OFFSETS IN CONDUITS, RACEWAYS, ETC., REQUIRED TO PROPERLY INSTALL THE WORK. EXPOSED WORK MUST BE KEPT AS CLOSE AS POSSIBLE TO WALLS, CEILINGS, COLUMNS, ETC., SO AS TO TAKE UP MINIMUM AMOUNT OF SPACE; ALL OFFSETS, FITTINGS, ETC., REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WORK SHALL BE COORDINATED WITH OTHER TRADES.
2. CONDUIT RUNS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER N.E.C. AND FOR COORDINATION WITH OTHER DISCIPLINES.
3. CONTRACTOR SHALL INSTALL (1) 3/4" CONDUIT FOR EACH SET OF (3) SPARES AND/OR SPACES OR FRACTION THEREOF FROM EACH FLUSH MOUNTED PANELBOARD. THE SPARE CONDUITS SHALL STUB-UP INTO THE NEAREST ACCESSIBLE CEILING CAVITY.
4. CONTRACTOR SHALL PROVIDE AND INSTALL ADEQUATE SUPPORTS NECESSARY FOR THE RACEWAY SYSTEM. THIS INCLUDES BUT IS NOT LIMITED TO BLOCKING FOR SURFACE AND FLUSH MOUNTED PANELS. CONTRACTOR SHALL REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SIZES AND QUANTITIES OF ALL SUPPORTING MEANS.
5. CONTRACTOR SHALL PROVIDE FIRE STOPPING SYSTEMS FOR ALL CONDUIT AND RACEWAY SYSTEMS AT ALL PENETRATIONS OF WALLS, FLOORS, ROOFS; AND STRUCTURAL BEAMS FOR THE PASSAGE OF ELECTRICAL PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF, AND FIRE PROOF INTEGRITY OF THE SYSTEM PENETRATED. THE CONDUITS SHALL BE DRIED PRIOR TO INSTALLATION OF WIRE/CABLE AND SHALL BE SEALED AT TERMINATIONS.
6. ALL BOXES AND CONDUIT IN WALLS AND CEILING SHALL BE FLUSH MOUNTED OR CONCEALED UNLESS NOTES OTHERWISE.

BRANCH CIRCUITS AND FEEDERS

1. BRANCH CIRCUITS MAXIMUM VOLTAGE DROP SHALL NOT EXCEED 3%. FOR 120V, 20A/1P FEEDERS, PROVIDE #12 AWG WIRING UP TO 100 FEET RUN. PROVIDE #10 AWG WIRING UP TO 200 FEET RUN. PROVIDE #8 AWG WIRING UP TO 300 FEET RUN. UPSIZE WIRING IF NEEDED. REFER TO SPECIFICATIONS FOR ADDITIONAL WIRING INFORMATION. BRANCH CIRCUITS MAXIMUM VOLTAGE DROP SHALL NOT EXCEED 3%. FOR 277V, 20A/1P FEEDERS, PROVIDE WIRING UP TO 200 FEET RUN. PROVIDE #10 AWG WIRING UP TO 400 FEET RUN. PROVIDE #8 AWG WIRING UP TO 700 FEET RUN. UPSIZE WIRING IF NEEDED. REFER TO SPECIFICATIONS FOR ADDITIONAL WIRING INFORMATION.
2. ALL CONDUCTORS SHALL BE SOFT DRAWN ANNEALED COPPER, 98% CONDUCTIVITY CONTINUOUS FROM OUTLET TO OUTLET. CONDUCTOR SIZES #12 AWG AND #10 AWG SHALL BE SOLID. CONDUCTOR SIZES #8 AWG AND LARGER MAY BE STRANDED.
3. A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED WITH ALL CIRCUIT CONDUCTORS. CONDUIT DOES NOT COUNT AS A GROUND PATH. DEDICATED GROUNDS FOR EACH CIRCUIT AND NO COMMON NEUTRALS.
4. CONTRACTOR SHALL GROUND ALL EQUIPMENT AND ELECTRICAL SYSTEM PER N.E.C.

MECHANICAL & PLUMBING COORDINATION

1. CONTRACTOR SHALL REFERENCE THE MECHANICAL AND PLUMBING DRAWINGS FOR ALL EQUIPMENT NEEDING ELECTRICAL CONNECTIONS. MAKE ALL CONNECTIONS AND PROVIDE APPROPRIATE WIRE, CONDUIT, AND OVERCURRENT PROTECTION FOR ALL EQUIPMENT.
2. ALL FUSED SWITCHED OR CIRCUIT BREAKERS SERVING EQUIPMENT SHALL HAVE HANDLE LOCKS.
3. ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BEAR AN 'HACR' RATING.
4. CONTRACTOR SHALL COORDINATE BETWEEN TRADES AND PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC, AS REQUIRED TO ENSURE A COMPLETE, FULLY FUNCTIONAL HVAC SYSTEM. CONTRACTOR SHALL REFERENCE MECHANICAL DRAWINGS AND COORDINATE WITH OTHER TRADES PRIOR TO ELECTRICAL ROUGH-IN.
5. CONTRACTOR SHALL COORDINATE MOTOR DISCONNECT AND CONTROL WITH MECHANICAL DRAWINGS AND BETWEEN TRADES. PROVIDE STARTERS AND DISCONNECTS FOR ALL MECHANICAL EQUIPMENT THAT IS NOT PROVIDED INTEGRAL TO THE EQUIPMENT. COORDINATE STARTER REQUIREMENTS WITH BMCS CONTRACTOR WHO IS FURNISHING THE UNITARY CONTROLLER. PROVIDE MOTOR-RATED SWITCHES FOR ALL MOTORS LESS THAN 1 HP. PROVIDE ALL NECESSARY WIRE, CONDUIT AND POWER FOR INTERLOCKED MOTOR CONTROL.

CODES
2020 NEC
2021 IECC

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STATE OF TEXAS — LAURA COWLEY — 121809 — LICENSED PROFESSIONAL ENGINEER

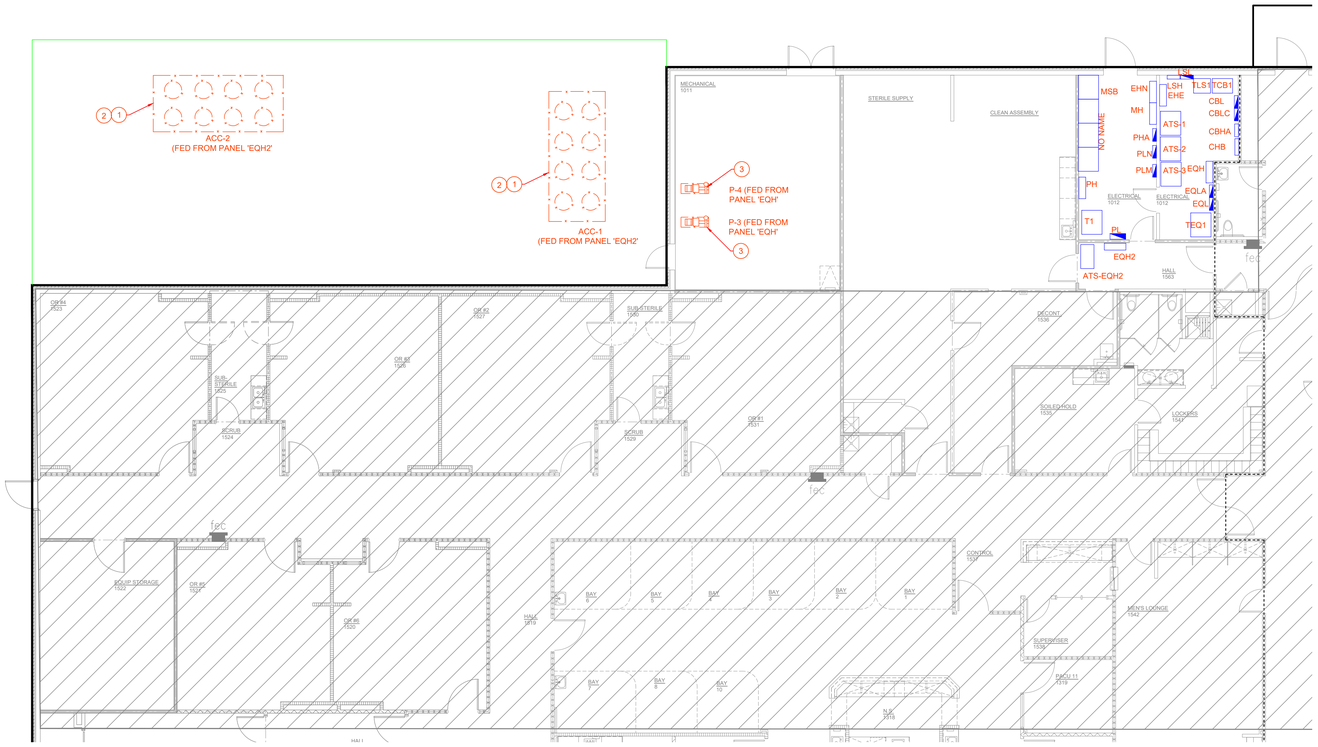
11/05/2025

JPS ARLINGTON SURGERY OR HVAC REPLACEMENT PROJECT
4400 NEW YORK AVE. ARLINGTON, TX 76018

PROJECT #: 05194.09

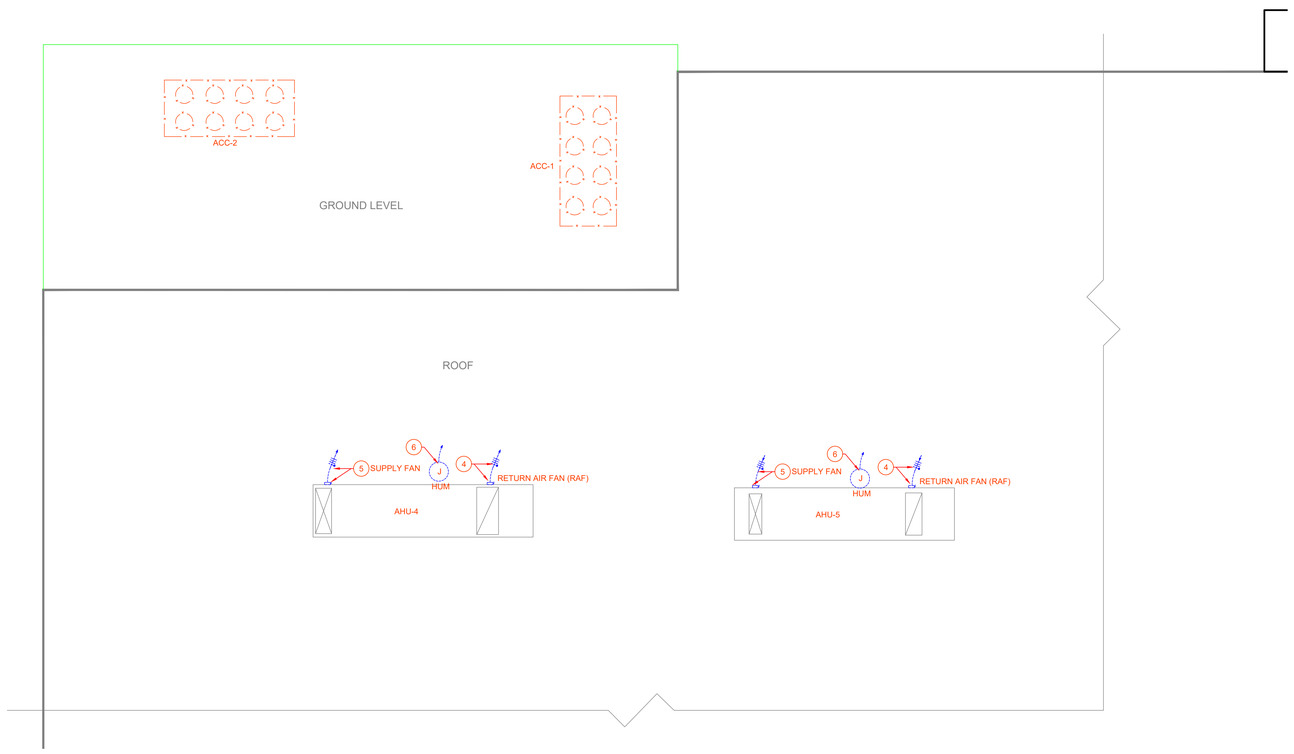
SHEET TITLE:
ELECTRICAL COVER

SHEET #:
E-001



01 PARTIAL ELECTRICAL DEMOLITION PLAN

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



02 PARTIAL ELECTRICAL DEMOLITION ROOF PLAN

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

GENERAL NOTES:

1. REFER TO SHEET E-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL PROJECT NOTES.
2. VERIFY EXACT LOCATIONS FOR HVAC EQUIPMENT WITH MECHANICAL DRAWINGS.
3. ALL ELECTRICAL PANELS AND TRANSFORMERS ARE EXISTING TO REMAIN.

ELECTRICAL DEMOLITION KEYED NOTES:

1. DISCONNECT ELECTRICAL CONNECTION TO THE EXISTING CHILLER. REMOVE DISCONNECT, REMOVE CONDUIT AND WIRING BACK TO POWER SOURCE. REFER TO SHEET E-301 FOR CIRCUITING.
2. EXISTING LOW VOLTAGE CIRCUITS (RECEPTACLE, HEAT TRACE, .. ETC) TO REMAIN. SUPPORT HUMIDIFIER AND RECEPTACLE AND REINSTALL.
3. DISCONNECT ELECTRICAL CONNECTION TO THE EXISTING ELECTRICAL PUMP. REMOVE CONDUIT AND WIRING BACK TO POWER SOURCE.
4. DISCONNECT ELECTRICAL CONNECTION TO THE EXISTING AIR HANDLING UNIT (AHU) RETURN AIR FAN. REMOVE DISCONNECT SWITCH, CONDUIT, AND WIRING BACK TO POWER SOURCE. REMOVE EXISTING 3P/30A RFA CIRCUIT BREAKER IN PANEL 'EQH'.
5. DISCONNECT ELECTRICAL CONNECTION TO THE EXISTING AIR HANDLING UNIT (AHU) SUPPLY AIR FAN. REMOVE DISCONNECT SWITCH, CONDUIT, AND WIRING BACK TO POWER SOURCE. REMOVE EXISTING 3P/30A RFA CIRCUIT BREAKER IN PANEL 'EQH'.
6. DISCONNECT ELECTRICAL CONNECTION TO THE EXISTING HUMIDIFIER. REMOVE DISCONNECT SWITCH, CONDUIT, AND WIRING BACK TO POWER SOURCE. REMOVE EXISTING CIRCUIT BREAKER IN PANEL 'MH'.

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11/05/2025

JPS ARLINGTON SURGERY OR HVAC REPLACEMENT PROJECT
4400 NEW YORK AVE. ARLINGTON, TX 76018

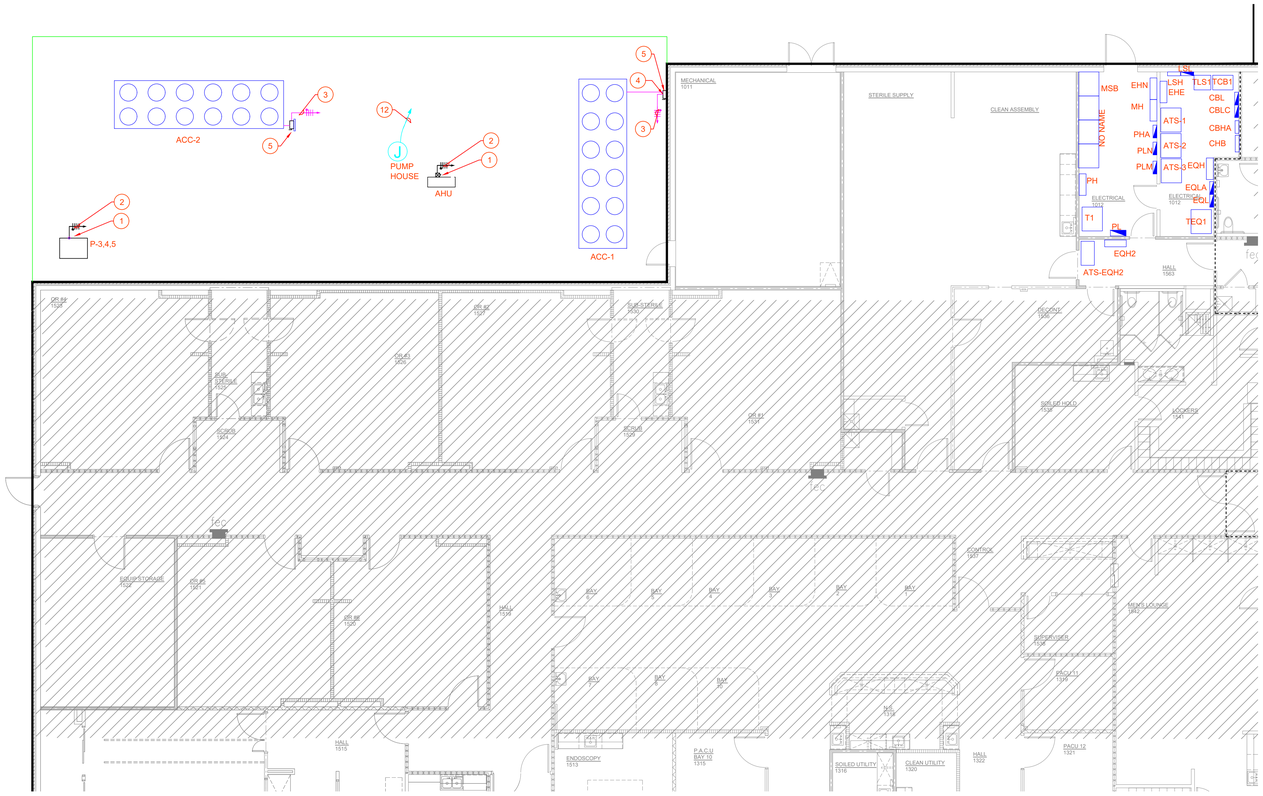
PROJECT #: 05194.09

SHEET TITLE:

PARTIAL ELECTRICAL DEMOLITION PLAN

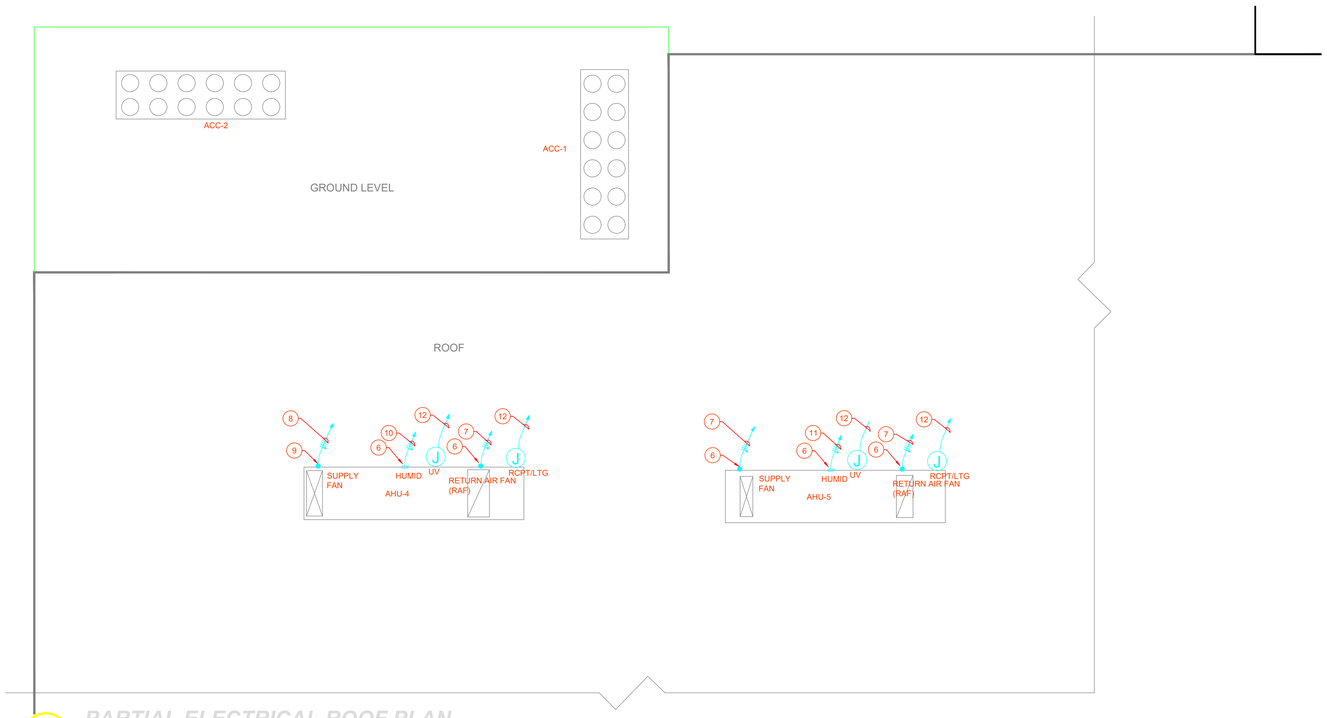
SHEET #:

E-011



01 PARTIAL ELECTRICAL PLAN

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



02 PARTIAL ELECTRICAL ROOF PLAN

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

GENERAL NOTES:

1. REFER TO SHEET E-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL PROJECT NOTES.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) & THE AMERICANS WITH DISABILITIES ACT (ADA).
3. REFER TO RELATED MECHANICAL DRAWINGS FOR RELATED INFORMATION.
4. ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS. VERIFY EXACT LOCATIONS FOR HVAC EQUIPMENT WITH MECHANICAL DRAWINGS.
5. WHERE WIRE SIZES ARE NOTED ON DRAWINGS, THAT SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.

ELECTRICAL KEYED NOTES:

1. COMBINATION MOTOR STARTER/SAFETY SWITCH PROVIDED BY MECHANICAL CONTRACTOR.
2. RUN 3#10, #10G. IN 3/4" CONDUIT TO A 35A/3P CIRCUIT BREAKER MADE AVAILABLE FROM DEMOLITION OF A 30A/3P BREAKER IN EXISTING PANEL 'EQH'.
3. REFER TO SHEET E-301 FOR CONDUIT AND WIRE SIZE.
4. PROVIDE NEMA 3R DISCONNECT 600/450/3.
5. PROVIDE NEMA 3R DISCONNECT 600/450/3MOUNT ON EXISTING UNISTRUIT AND/OR BUILDING..
6. 30A/NF/3P DISCONNECT SWITCH WITH NEMA 3R ENCLOSURE.
7. RUN 3#10, #10G.- 3/4"C. TO A NEW 25A/3P CIRCUIT BREAKER IN EXISTING PANEL 'EQH'. MATCH BREAKER AIC RATING WITH EXISTING.
8. RUN 3#8, #10G.- 3/4"C. TO A NEW 40A/3P CIRCUIT BREAKER IN EXISTING PANEL 'EQH'. MATCH BREAKER AIC RATING WITH EXISTING.
9. CONNECT TO MECHANICAL EQUIPMENT.
10. RUN 3#12, #10G.- 3/4"C. TO 25A/3P BREAKER IN 'MH' MADE AVAILABLE BY DEMOLITION.
11. RUN 3#12, #12G.- 3/4"C. TO 20A/3P BREAKER IN 'MH' MADE AVAILABLE BY DEMOLITION.
12. CIRCUIT TO 20A/1P BREAKER IN PANEL "PL".

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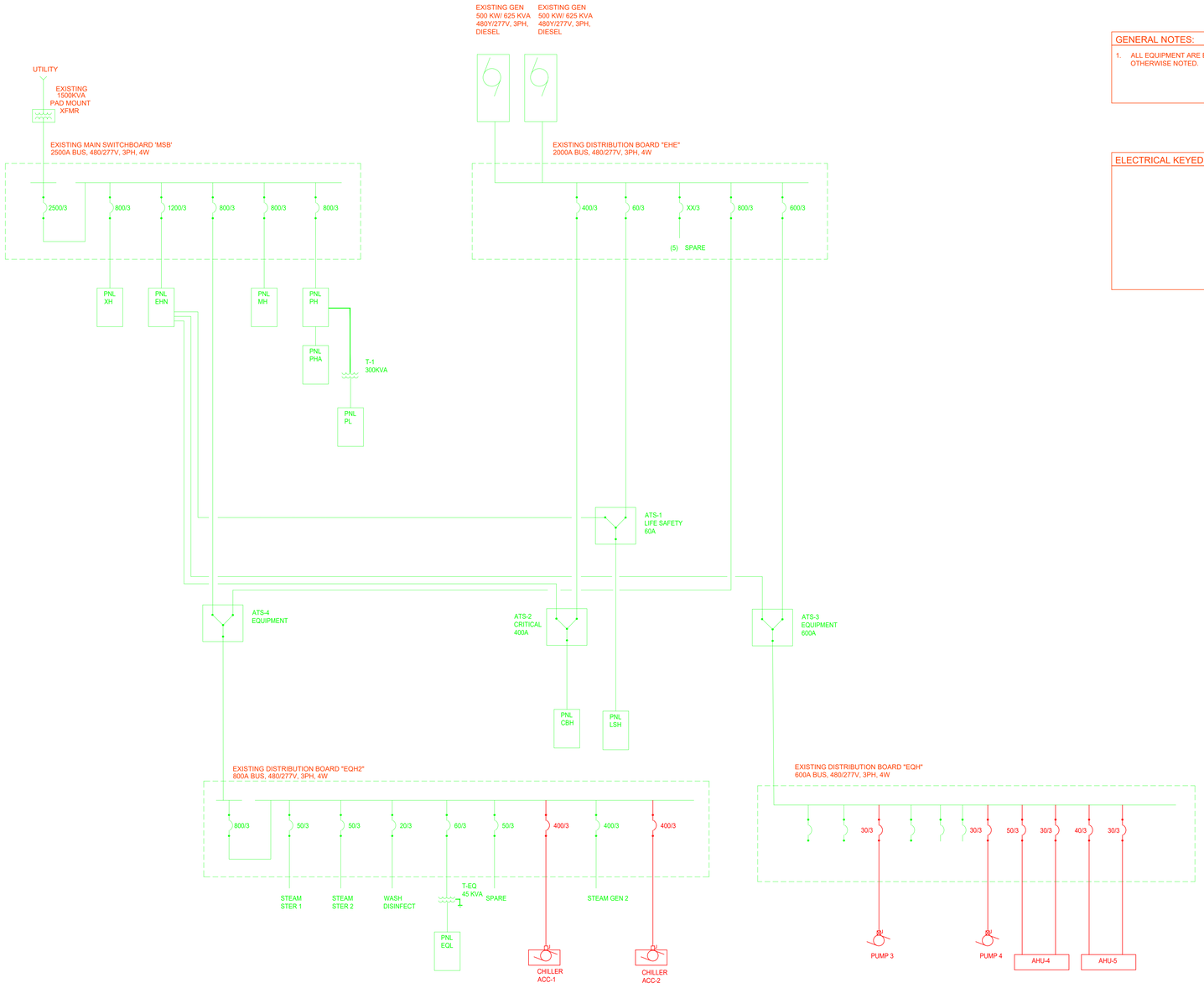
PROJECT #: 05194.09

SHEET TITLE:

PARTIAL ELECTRICAL PLAN

SHEET #:

E-111



GENERAL NOTES:

1. ALL EQUIPMENT ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

ELECTRICAL KEYED NOTES:

01 PARTIAL ELECTRICAL DEMOLITION 1-LINE

SCALE: NONE

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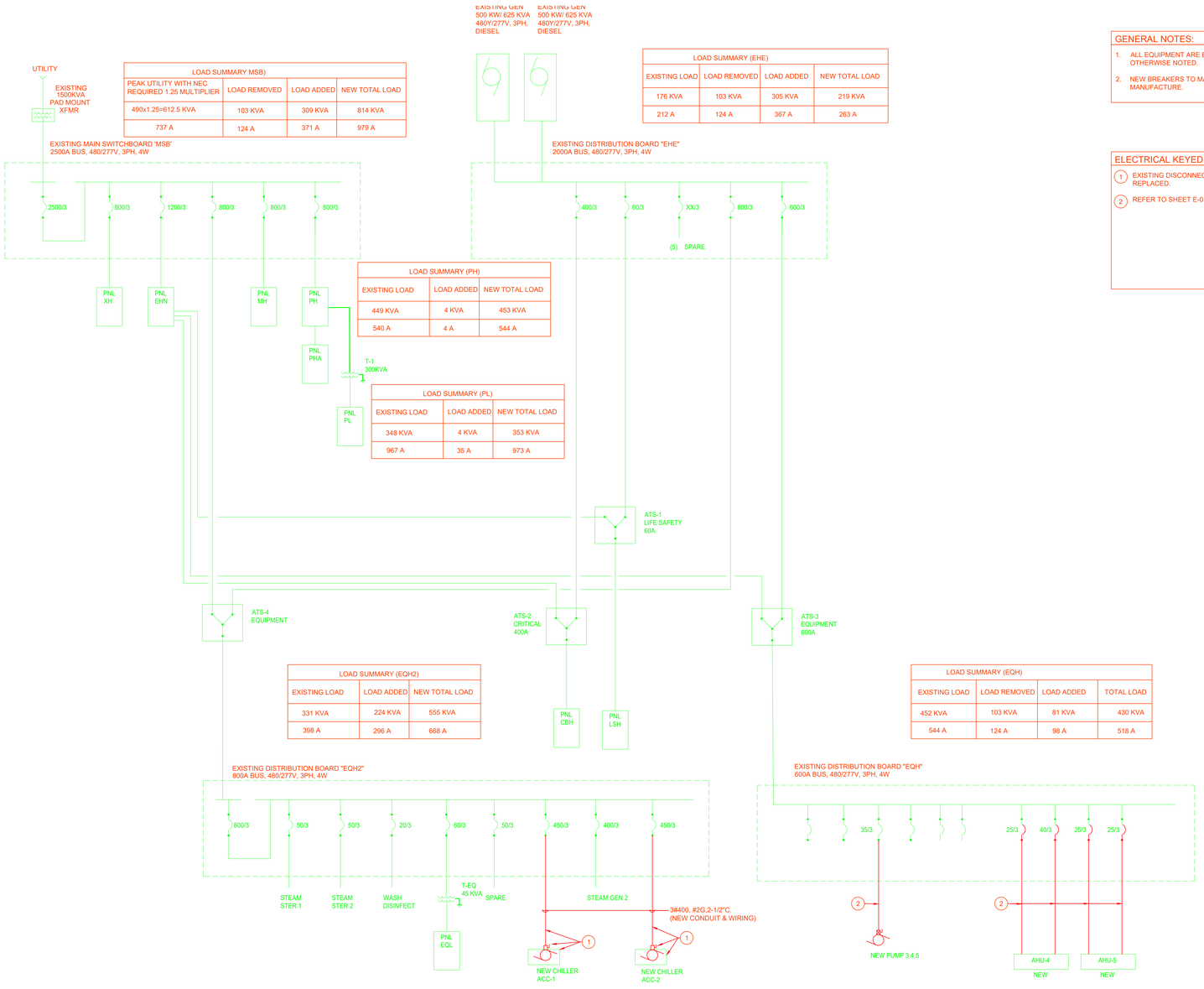
4400 NEW YORK AVE.
ARLINGTON, TX 76018

PROJECT #: 05194.09

SHEET TITLE:
PARTIAL ELECTRICAL DEMOLITION 1LINE

SHEET #:
E-301



LOAD SUMMARY MSB)			
PEAK UTILITY WITH NEC REQUIRED 1.25 MULTIPLIER	LOAD REMOVED	LOAD ADDED	NEW TOTAL LOAD
490x1.25=612.5 KVA	103 KVA	309 KVA	814 KVA
737 A	124 A	371 A	979 A

LOAD SUMMARY (EHE)			
EXISTING LOAD	LOAD REMOVED	LOAD ADDED	NEW TOTAL LOAD
176 KVA	103 KVA	305 KVA	219 KVA
212 A	124 A	367 A	263 A

LOAD SUMMARY (PH)		
EXISTING LOAD	LOAD ADDED	NEW TOTAL LOAD
449 KVA	4 KVA	453 KVA
540 A	4 A	544 A

LOAD SUMMARY (PL)		
EXISTING LOAD	LOAD ADDED	NEW TOTAL LOAD
348 KVA	4 KVA	353 KVA
967 A	35 A	973 A

LOAD SUMMARY (EQH2)		
EXISTING LOAD	LOAD ADDED	NEW TOTAL LOAD
331 KVA	224 KVA	555 KVA
398 A	296 A	668 A

LOAD SUMMARY (EQH)			
EXISTING LOAD	LOAD REMOVED	LOAD ADDED	TOTAL LOAD
452 KVA	103 KVA	81 KVA	430 KVA
544 A	124 A	98 A	518 A

GENERAL NOTES:

1. ALL EQUIPMENT ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. NEW BREAKERS TO MATCH EXISTING BREAKER TYPE AND MANUFACTURE.

ELECTRICAL KEYED NOTES:

1. EXISTING DISCONNECT, CONDUIT AND WIRING TO BE REPLACED.
2. REFER TO SHEET E-011 FOR MORE INFORMATION.

01 PARTIAL ELECTRICAL NEW 1-LINE

SCALE: NONE

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PROJECT #: 05194.09

SHEET TITLE:

PARTIAL ELECTRICAL NEW 1LINE

SHEET #:

E-302