

GENERAL NOTES	
GENERAL ELECTRICAL NOTES	
A.	ALL REFERENCES ON THE DRAWINGS AND IN THE SPECIFICATIONS TO "CONTRACTOR" AND "ELECTRICAL CONTRACTOR" REFER TO THE TENANT'S ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
B.	ALL WORK SHOWN AND SPECIFIED HEREIN SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE.
C.	THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID, INCLUDING ALL EXISTING SERVICES, EQUIPMENT, ETC. NO CLAIMS FOR EXTRAS DUE TO LACK OF FAMILIARITY WITH SITE CONDITIONS WILL BE APPROVED.
D.	THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS OF WORK AND SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
E.	THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL FIT THE WORK TO THE JOB, CAREFULLY INVESTIGATING STRUCTURAL, MECHANICAL, ELECTRICAL AND FINISH CONDITIONS AFFECTING THE WORK, AND SHALL FURNISH AND INSTALL ALL NECESSARY BENDS, OFFSETS, FITTINGS, JUNCTIONS, ETC. WHETHER OR NOT SPECIFICALLY SHOWN OR CALLED FOR, AND SEE THAT THERE ARE NO INTERFERENCES BETWEEN THIS WORK AND THE WORK OF OTHER TRADES.
F.	PROVIDE ALL EQUIPMENT AND MATERIALS, AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY APPLICABLE CODES.
G.	INSTALL ALL ELECTRICAL EQUIPMENT, MATERIALS AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, THE CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
H.	THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL ELECTRICAL SYSTEMS.
I.	NO ELECTRICAL EQUIPMENT, CONDUITS, FIXTURES, ETC. SHALL BE SUSPENDED FROM THE DECK, DUCTWORK, WATER PIPING, ETC. ALL ATTACHMENTS SHALL EXTEND TO THE TOP CHORD OF STRUCTURAL JOISTS, BEAMS OR AT PANEL POINT LOCATIONS.
J.	ALL ELECTRICAL EQUIPMENT AND DEVICES FURNISHED FOR THIS PROJECT SHALL BE UL LISTED, OR APPROVED EQUIVALENT. DEVICES, EQUIPMENT, SYSTEMS SHALL BE INSTALLED PER N.E.C. REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.
K.	ALL EQUIPMENT, MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LANDLORD CRITERIA.
L.	ALL 120V AND 277V BRANCH CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRAL CONDUCTORS. SHARED NEUTRALS WILL NOT BE PERMITTED FOR MULTI-CIRCUIT INSTALLATIONS. WHERE MULTIPLE CIRCUITS ARE RUN IN A COMMON RACEWAY, THE AMPACITY OF THE CONDUCTORS SHALL BE PROPERLY DERATED & CONDUIT SHALL BE SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN SIX (6) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT. REFERENCE NEC ARTICLE AND TABLE 310.15(B)(2)(A).
M.	THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS THAT ARE NOT DIMENSIONED ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE BASED ON SITE CONDITIONS. INSTALL ALL EQUIPMENT AS REQUIRED TO MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.
N.	COORDINATE LIGHT FIXTURE AND ELECTRICAL DEVICE LOCATIONS WITH ARCHITECTURAL PLANS, AND MAKE MINOR ADJUSTMENTS IN LOCATIONS AS REQUIRED.
O.	ALL ROOF CUTTING, PATCHING AND FLASHING REQUIRED TO INSTALL THE ELECTRICAL SYSTEMS SHALL BE BY A LANDLORD-APPROVED ROOFING CONTRACTOR AT THIS CONTRACTOR'S EXPENSE. COORDINATE ROOF PENETRATIONS WITH LANDLORD AND GENERAL CONTRACTOR.
P.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO LANDLORD'S BASE BUILDING SYSTEMS. RE-USE EXISTING CONNECTION POINTS WHERE POSSIBLE. COORDINATE ALL REQUIREMENTS IN FIELD WITH LANDLORD.
Q.	NOTIFY TENANT'S PROJECT MANAGER IF ANY EXISTING ELECTRICAL CONNECTION POINTS ARE SMALLER THAN SIZES SHOWN ON DRAWINGS.
R.	CONTRACTOR SHALL CLEAN AND SERVICE ALL EXISTING ELECTRICAL EQUIPMENT THAT IS BEING RE-USED. REPAIR OR REPLACE UNIT COMPONENTS AS REQUIRED TO MAKE UNIT FULLY FUNCTIONAL.
S.	REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FEEDERS, BRANCH CIRCUITING, WIRING DEVICES, CONTROLS, ETC. NOT BEING RE-USED. DO NOT ABANDON IN PLACE. MAINTAIN SERVICES PASSING THROUGH SPACE TO OTHER TENANT SPACES.
T.	ALL DEVICES, EQUIPMENT, FIXTURES, ETC. MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
U.	COORDINATE LOCATIONS OF ALL MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT WITH RESPECTIVE SUBCONTRACTOR.
V.	ELECTRICAL INSTALLATION REQUIREMENTS FOR ALL HVAC, PLUMBING, FIRE PROTECTION, SPECIAL SYSTEMS AND OWNER EQUIPMENT BEING FURNISHED BY OTHERS SHALL BE REVIEWED AND COORDINATED WITH OTHER TRADES PRIOR TO ROUGH-IN. OBTAIN EQUIPMENT SHOP DRAWINGS FROM PARTY FURNISHING EQUIPMENT, FOR REVIEW AND COORDINATION. CONTACT ARCHITECT/ENGINEER PRIOR TO ROUGH-IN REGARDING ANY DISCREPANCIES FOUND BETWEEN CONSTRUCTION DRAWINGS AND EQUIPMENT BEING FURNISHED.
W.	ALL RECEPTACLES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED HORIZONTALLY BY 8" MINIMUM.
X.	ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ALL CUTTING, TRENCHING AND PATCHING ASSOCIATED WITH THE ELECTRICAL INSTALLATION.
Y.	ALL PENETRATIONS THROUGH FIRE RATED WALLS ASSOCIATED WITH THE ELECTRICAL INSTALLATION SHALL BE SLEEVED AND FIRE-STOPPED USING A UL APPROVED METHOD. UL APPROVED METHOD SHALL MEET OR EXCEED FIRE RATING OF STRUCTURE BEING PENETRATED. REFERENCE ARCHITECTURAL PLANS FOR FIRE RATED STRUCTURES.
Z.	CONTRACTOR SHALL FIELD VERIFY SLAB ON GRADE FLOOR CONSTRUCTION TYPE PRIOR TO CUTTING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT A STRUCTURAL FLOOR SLAB THICKER THAN FOUR (4") INCHES WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD. NOTIFY ENGINEER OF RECORD OF ANY SLAB THICKNESS GREATER THAN FOUR (4") INCHES PRIOR TO PROCEEDING WITH ANY SAW CUTTING.
AA.	IF THE SPACE ABOVE THE CEILING IS DESIGNED AS A RETURN AIR PLENUM. ALL CONSTRUCTION MATERIALS ABOVE CEILING SHALL BE NON-COMBUSTIBLE, AND SHALL HAVE MAXIMUM FLAME SPREAD/FUEL CONTRIBUTED/SMOKE DEVELOPED RATING OF 25/25/50 IN ACCORDANCE WITH UL 723, NFPA 90A AND ASTM E84. WIRING SHALL BE LABELED PLENUM RATED PER NFPA 70, OR INSTALLED IN CONDUIT. THIS ALSO APPLIES TO ALL EXISTING MATERIALS.

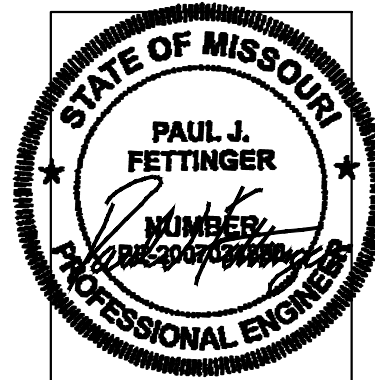
ELECTRICAL SYMBOLS											
WIRING DEVICE		DESCRIPTION	MOUNTING	DESIGN PRESENTATION		DESCRIPTION	BRANCH CIRCUITING		MISCELLANEOUS	DESCRIPTION	MOUNTING
<div>RECEPTACLE OPTIONS DENOTED BY "X", WHERE "X" CAN BE ONE OF THE FOLLOWING: D = DEDICATED CIRCUIT DG = DEDICATED GROUND GFI = GROUND FAULT INTERRUPTER TR = TAMPER RESISTANT SS = SURGE SUPPRESSOR WP = WEATHERPROOF (blank) = STANDARD RECEPTACLE 20A-2P-3W-125V SPLIT (2-CIRCUIT) GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED AT 18" A.F.F., UNLESS NOTED OTHERWISE. ONE CIRCUIT SHALL FEED TOP HALF AND ONE CIRCUIT SHALL FEED BOTTOM HALF OF RECEPTACLE.</div>					<div><div>◆</div><div>①</div><div>△</div><div>1</div><div>—</div><div>---</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><div>—</div><di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MECHANICAL EQUIPMENT SCHEDULE															
EQUIPMENT TAG	EQUIPMENT NAME	VOLT/ PHASE					CONDUIT - WIRE	STARTER BY	STARTER TYPE STARTER SIZE	DISCONNECT BY	DISC. SWITCH	FUSE SIZE	PANEL	CIRCUIT NUMBER	NOTE
			MCA	MOCP	HP	KW									
XBCU-1	EXISTING BLOWER COIL	208/3			1/3	15	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	1,3,5	
XBCU-2	EXISTING BLOWER COIL	208/3			1/3	15	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	7,9,11	
XBCU-3	EXISTING BLOWER COIL	208/3			1/2	20	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	13,15,17 14,16,18	
XBCU-4	EXISTING BLOWER COIL	208/3			1/3	15	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	19,21,23	
XBCU-5	EXISTING BLOWER COIL	208/3			1/2	20	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	25,27,29 26,28,30	
XBCU-6	EXISTING BLOWER COIL	208/3			1/2	20	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	31,33,35 32,34,36	
XBCU-7	EXISTING BLOWER COIL	208/3			1/2	20	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-B	37,39,41 38,40,42	
CU-1	CONDENSING UNIT	208/1	32.8	50			3/4"C 2#8, 1#10 GND.	DIV-15	WITH UNIT	DIV-16	60A/2P	NA	M-A	2,4	
CU-2	CONDENSING UNIT	208/1	20.3	30			3/4"C 2#10, 1#10 GND.	DIV-15	WITH UNIT	DIV-16	30A/2P	NA	M-A	6,8	
CU-3	CONDENSING UNIT	208/1	33.2	50			3/4"C 2#8, 1#10 GND.	DIV-15	WITH UNIT	DIV-16	60A/2P	NA	M-A	10,12	
CU-4	CONDENSING UNIT	208/1	32.8	50			3/4"C 2#8, 1#10 GND.	DIV-15	WITH UNIT	DIV-16	60A/2P	NA	M-A	14,16	
XCU-5	EXISTING CONDENSING UNIT	208/3	23.5	40			EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-A	26,28,30	
XCU-6	EXISTING CONDENSING UNIT	208/3	23.5	40			EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-A	32,34,36	
XCU-7	EXISTING CONDENSING UNIT	208/3	23.5	40			EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-A	38,40,42	
FCU-1	FAN COIL UNIT	208/1				50w	3/4"C 2#12, 1#12 GND.	DIV-15	WITH UNIT	DIV-16	30A/2P	--	--	--	E.C. TO PROVIDE WIRING FROM HP-1 TO FCU-1
HP-1	HEAT PUMP	208/1	9.1	15			3/4"C 2#12, 1#12 GND.	DIV-15	WITH UNIT	DIV-16	30A/2P	NA	M-A	13,15	
XEF-1	EXISTING EXHAUST FAN	120/1			1/6		EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	P	13	
EF-2	EXHAUST FAN	120/1				53W	3/4"C-2#12, 1#12 GND.	DIV-16	MSS	DIV-16	30A/1P	NA	L	17	
EF-3	EXHAUST FAN	120/1				53W	3/4"C-2#12, 1#12 GND.	DIV-16	MSS	DIV-16	30A/1P	NA	L	17	
CP-1	CIRCULATION PUMP	120/1				1/12	3/4"C-2#12, 1#12 GND.	DIV-16	MSS	DIV-16	30A/1P	NA	P	5	
XEWH-1	EXISTING WATER HEATER	208/3				11	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-A	1,3,5	
XEWH-2	EXISTING WATER HEATER	208/3				11	EXISTING TO REMAIN	EXIST.	EXIST.	EXIST.	EXIST.	NA	M-A	7,9,11	



DAMIAN
FARRELL
DESIGN
GROUP

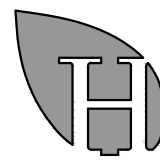
359 METTY DRIVE, SUITE 4A
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tel: 734.998.1331



01.12.2024

FOR PERMIT ISSUE

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12.28.2023	REVIEW SET
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