

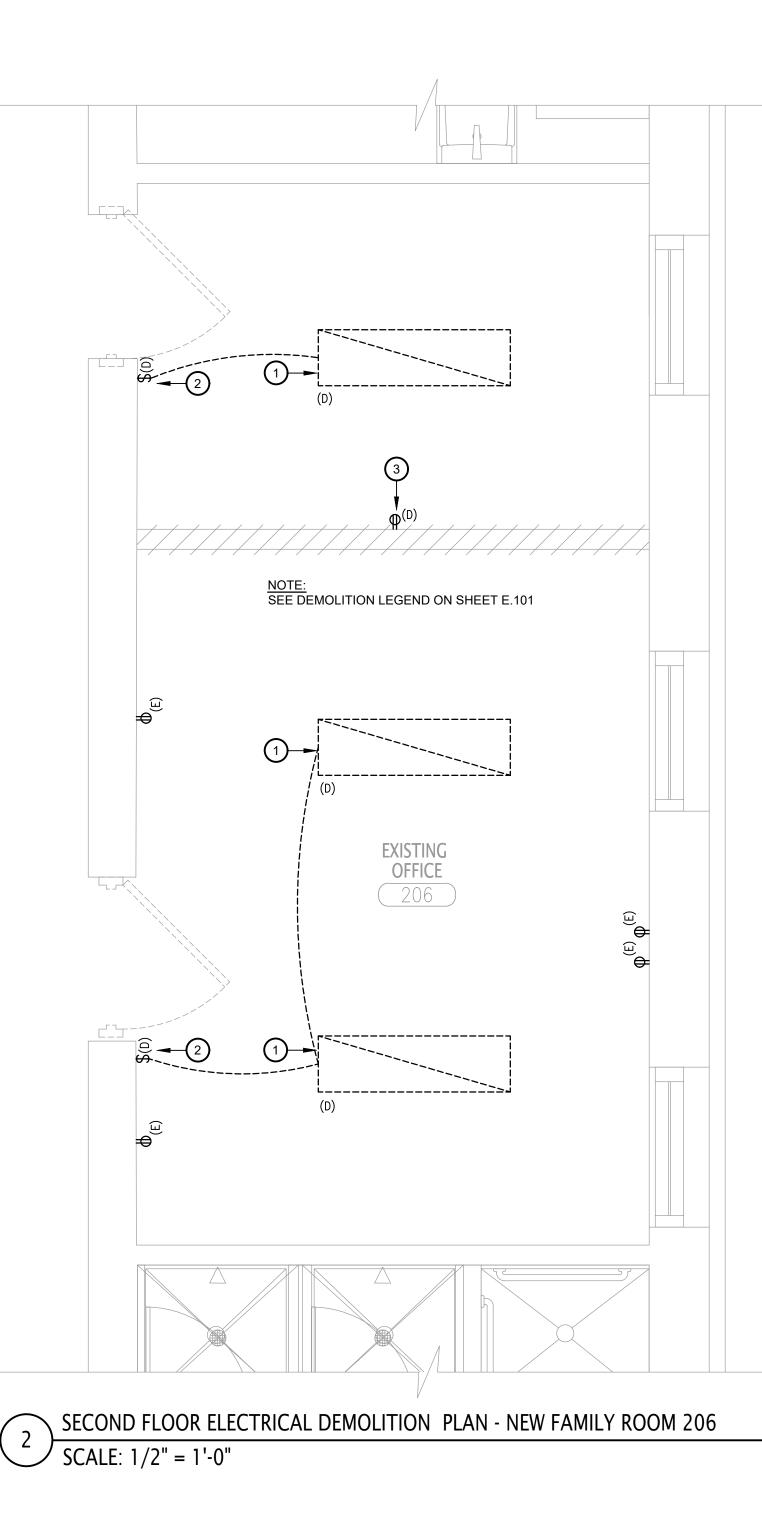
	LIGHTING FIXTURE SCHEDULE									
TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	MOUNTING	SIZE	NOTES
А	Ø	LSI LIGHTING LED TROFFER SFP22-LED-30-UE-DIM-35-U-FK22	LED	120	1	30	30	PENDANT MTD.	2'x2'	3500K COLOR TEMPERATURE; FURNISH W/ PENDANT MOUNT KIT
A-EM		LSI LIGHTING LED TROFFER SFP22-LED-30-UE-DIM-35-U-EM-FK22	LED	120	1	30	30	PENDANT MTD.	2'x2'	3500K COLOR TEMPERATURE; FURNISH W/ PENDAN MOUNT KIT & 90-MINUTE BATTERY BACKUP
в	B	LC DOANE LIGHTING LED VANDAL RESISTANT TROFFER SS2-2L35-NCW-VARDM-122-30-PH-D-3900	LED	120	1	33	33	SURFACE MTD.	2'x2'	3500K COLOR TEMPERATURE; VANDAL DAMP LOCAT LISTED
B-EM	B	LC DOANE LIGHTING LED VANDAL RESISTANT TROFFER SS2-2L35-NCW-VARDM-122-30-PH-D-3900	LED	120	1	33	33	SURFACE MTD.	2'x2'	3500K COLOR TEMPERATURE; VANDAL DAMP LOCAT LISTED; 90-MINUTE EMERGENCY DRIVER
с		LC DOANE LIGHTING LED VANDAL RESISTANT WALL VSB2-1W16-35-VARDM-OPWH-TP-65	LED	120	1	17	17	WALL MTD.	2'	3500K COLOR TEMPERATURE; WET LOCATION LISTE MOUNT 6" ABOVE MIRRORS
D	Q	LSI LIGHTING LED VANDALPROOF CANOPY LUMINAIRE WCPLED-3L-DA-W-UNV-DIM-40	LED	120	1	24.5	24.5	SURFACE MTD.	12"x12"	4000K COLOR TEMPERATURE
F	Ð	PEACHTREE LIGHTING LED VANDALPROOF DOWNLIGHT 4BLRD-VR-08-35-80-PP-LHW-WL-120	LED	120	1	9	9	RECESSED	4"Ø	3500K COLOR TEMPERATURE; VANDAL DAMP LOCA LISTED

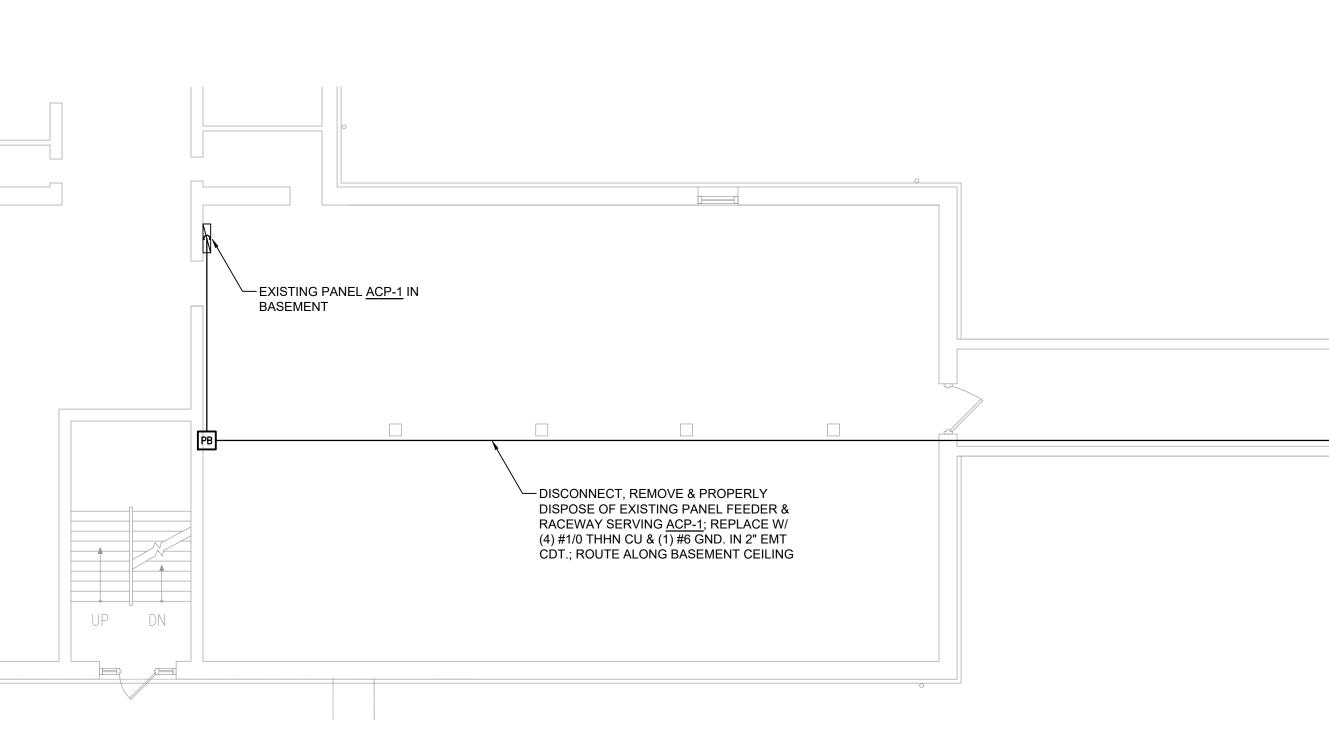
120/208V 3Ø 4W+G					-		-			MAIN LUGS ONLY
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOA
MINI-SPLIT #1 (EXISTING)	EXISTING	20	1 3	1.5 1.5	1.5		2 4	20	EXISTING	MINI-SPLIT #2 (EXISTING
MINI-SPLIT CU-1	(2) #10 CU & (1) #10 GND.	25	5		/ 1.0	1.6	6	20	EXISTING	COPIER (EXISTING
WIINI-SPEIT CO-T	(2) #10 CO & (1) #10 GND.	25	7	1.6			8	20	EXISTING	A/C OUTLET (EXISTING
MINI-SPLIT CU-2	(2) #10 CU & (1) #10 GND.	25	9 11		1.6	1.6	10 12	25	(2) #10 CU & (1) #10 GND.	MINI-SPLIT CU-
MINI-SPLIT CU-4	(2) #10 CU & (1) #10 GND.	25	13 15	1.6 2.1	1.6		14 16	30	(2) #10 CU & (1) #10 GND.	MINI-SPLIT CU-
EXHAUST FANS EF-1 & 2	(2) #12 CU & (1) #12 GND.	20	17			- 2.1	18			
-	-	-	19	- 2.1			20	30	(2) #10 CU & (1) #10 GND.	MINI-SPLIT CU-
-	-	-	21	ľ i	•		22	-	-	
-	-	-	23			•	24	-	-	
* ALL CKTS. & BREAKERS A	RE NEW UNLESS OTHERWISE		ED	11.9	9.8	8.4	30.	1 kVA	TOTAL	



1 Existing Distribution Panel ACP-1 E.101 Scale: None

KEY PLAN NTS





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

<u>NOTE:</u> ALL	DIMENSIONS AF	RE TO CENTER	OF DEVICE	UNLESS OTHE	RWISE NOTED
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DEVICE MOUNTING HEIGHTS						
POWER RECEPTACLES (INTERIOR)	18" A.F.F.					
POWER RECEPTACLES (EXTERIOR)	36" A.F.G.					
POWER RECEPTACLES (@ COUNTER)	44" A.F.F.					
IGHT SWITCHES	44" A.F.F. TO TOP OF DEVICE					
DISCONNECT SWITCHES	SEE NEC 404.8(A)					
TELEPHONE/DATA RECEPTACLES	18" A.F.F.					
TELEPHONE/DATA RECEPTACLES (@ COUNTER)	44" A.F.F.					
WALL TELEPHONE RECEPTACLES	48" A.F.F. TO TOP OF DEVICE					
FIRE ALARM PULL STATIONS	42" A.F.F. MIN./44" A.F.F. MAX.					
FIRE ALARM AUDIO/VISUAL DEVICES	80" A.F.F. MIN./96" A.F.F. MAX.					
EXIT LIGHTS (WALL MOUNTED)	12" ABOVE DOOR					
EMERGENCY LIGHTS (WALL MOUNTED)	90" A.F.F.					
TV & A/V OUTLETS	18" A.F.F.					

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## ELECTRICAL LEGEND:

Ø	MOTOR							
$\tilde{1}$	EARTH GROUND							
÷ Ø	JUNCTION BOX							
РВ	PULL BOX							
	FUSE WITH RATING							
$\bigcirc$	MOLDED CASE CIRCUIT BREAKER							
47	DISCONNECT SWITCH, FUSED							
-	DISCONNECT SWITCH, UNFUSED							
4	STARTER, COMBINATION WITH DISCONNECT SWITCH							
	STARTER OR MOTOR CONTROLLER							
M	METER							
Ð	20A 120V SIMGLE RECEPTACLE							
Ð	20A 120V DUPLEX RECEPTACLE							
#	20A 120V DUPLEX RECEPTACLE WITH ( INTERRUPTER	GROUND FAULT CIRCUIT						
#	20A 120V QUADRAPLEX RECEPTACLE							
<del>-</del> Ø	RECEPTACLE, SPECIAL PURPOSE							
€ <sub>USB</sub>	20A 120V USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL							
ſ₩ <sup>F</sup>	FLOOR BOX WITH STAINLESS COVER TYPICAL OF LEW EECTRIC #OB-1-SP OR ACCEPTABLE EQUAL; PUSH BUTTON OPEN; FULLY IP66 RATED WATER PROOF (WHEN IN CLOSED POSITION); W/ 20A 125V E60120 GFCI RECEPTACLE (UNLESS OTHERWISE NOTED)							
$\Delta_{M}$	WALL PHONE OUTLET MTD. 48" A.F.F.; 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD							
$\diamond$	WALL BOX FOR TELEVISION CONNECTION; 1-1/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD							
$\mathbf{V}$	TELEPHONE/DATA COMMUNICATION BOX W/ (2) 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD; NO FACE PLATE							
€	BRANCH CIRCUIT HOMERUN; LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS; ONE SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN							
\$2	SWITCHBLANK = SINGLE POLE2 = DOUBLE POLE3 = THREE-WAY4 = FOUR-WAYD = DIMMERK = KEY OPERATEDP = WITH PILOT LIGHTPB= PUSH BUTTONT = TIMER OPERATEDWP= WEATHER PROOFX = EXPLOSION PROOFOC= OCCUPANCY SENSOR							
ES∕	HORN/STROBE DEVICE, ONE ASSEMBLY; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED							
ST	STROBE DEVICE; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED							
$\diamond$	MANUAL PULL STATION; MTD. 48" A.F.F.							
🖉 Р	DETECTOR; LETTER INDICATES AS FOLLOWS: BLANK = SMOKE DETECTOR P = PHOTOELECTRIC SMOKE SB = PHOTOELECTRIC SMOKE W/ SOUNDER BASE D = PHOTOELECTRIC DUCT SMOKE DETECTOR E = EXISTING DEVICE, TO REMAIN							
H R	RATE OF RISE HEAT DETECTOR, 135°F							
CO	CARBON MONOXIDE DETECTOR; MTD.	60" A.F.F.						
_(E)	EXISTING DEVICE & WIRING TO REMAI	Ν						
(D)	EXISTING DEVICE & WIRING TO BE PRO							

(D) EXISTING DEVICE & WIRING TO BE PROPERLY DISCONNECTED, ----- REMOVED & PROPERLY DISPOSED OF

## **ELECTRICAL NOTES:**

- 1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- 2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- 3. THIS CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH THAT OF ALL OTHER TRADES.
- 4. ALL CUTTING, FIRE-STOPPING, AND ROUGH PATCHING IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- 5. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- 6. EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
- 8. ALL WORK OF THIS CONTRACT SHALL BE PERFROMED IN STRICT COMPLIANCE WITH THE 2014 NATIONAL ELECTRIC CODE, 2015 INTERNATIONAL BUILDING CODE WITH 2017 NEW YORK STATE UNIFORM CODE SUPPLEMENT, AS WELL AS THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH 2016 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE SUPPLEMENT (REV AUG. 2016).
- 9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL UTILITY COMPANY AND/OR THE TELEPHONE COMPANY. ALL WORK INVOLVING THE UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
- 10. ALL CONDUCTORS SHALL BE COPPER, SHALL NOT BE LESS THAN #12 AWG, AND SHALL NOT EXCEED 70 FEET FROM PANEL BOARD TO FURTHEST CONNECTION UNLESS OTHERWISE NOTED ON PLANS.
- 11. WIRING SHALL CONSIST OF METALLIC ARMORED CABLES (TYPE AC) INSTALLED WHERE CONCEALED IN FRAMED WALLS, CEILINGS, OR PERMITTED BY THE NEC. OTHER AREAS SHALL CONSIST OF INSULATED CONDUCTORS INSTALLED IN RIGID STEEL CONDUIT (RGS), ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR FLEXIBLE METALLIC ARMORED CABLE (GREENFIELD).
- 12. LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
- 13. CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH & INSTALL ALL SMALL DETAILS AND INCIDENTAL WORK NOT SHOWN OR SPECIFIED, BUT WHICH CAN BE REASONABLY INFERRED AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OF HIGH QUALITY MEETING ALL APPLICABLE CODES AND REGULATIONS.
- 14. FOR EACH NEW OR MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT ALL CIRCUITING. ADDITIONALLY, THE CONTRACTOR SHALL LABEL (WITH A PERMANENT MARKER OR LABEL) EACH RECEPTACLE ON THE INSIDE OF EACH FACE PLATE WITH PANEL AND CIRCUIT NUMBER DESIGNATION.
- 15. MINIMUM REQUIREMENT FOR EQUIPMENT GROUNDING SHALL BE GOVERNED BY THE NEC. ALL GROUNDS, BONDING, ETC. SHALL MEET THESE REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS.
- 16. ALL CONDUIT AND CABLE SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- 17. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, WIRING, DEVICES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- 24. THE CONTRACTOR SHALL BE RESPONSIBLE TO HOLD THE REQUIRED LICENSING IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. PROOF OF LICENSING SHALL BE PROVIDED PRIOR TO CONTRACT SIGNING.

<u>NOTE:</u> ALL NEW FIRE ALARM DEVICES ARE TO BE WIRED BACK TO THE EXISTING BUILDING FIRE ALARM CONTROL PANEL; ELECTRICAL CONTRACTOR IS TO VERIFY MAKE, MODEL AND COMPATIBILITY WITH EXISTING FIRE ALARM SYSTEM

