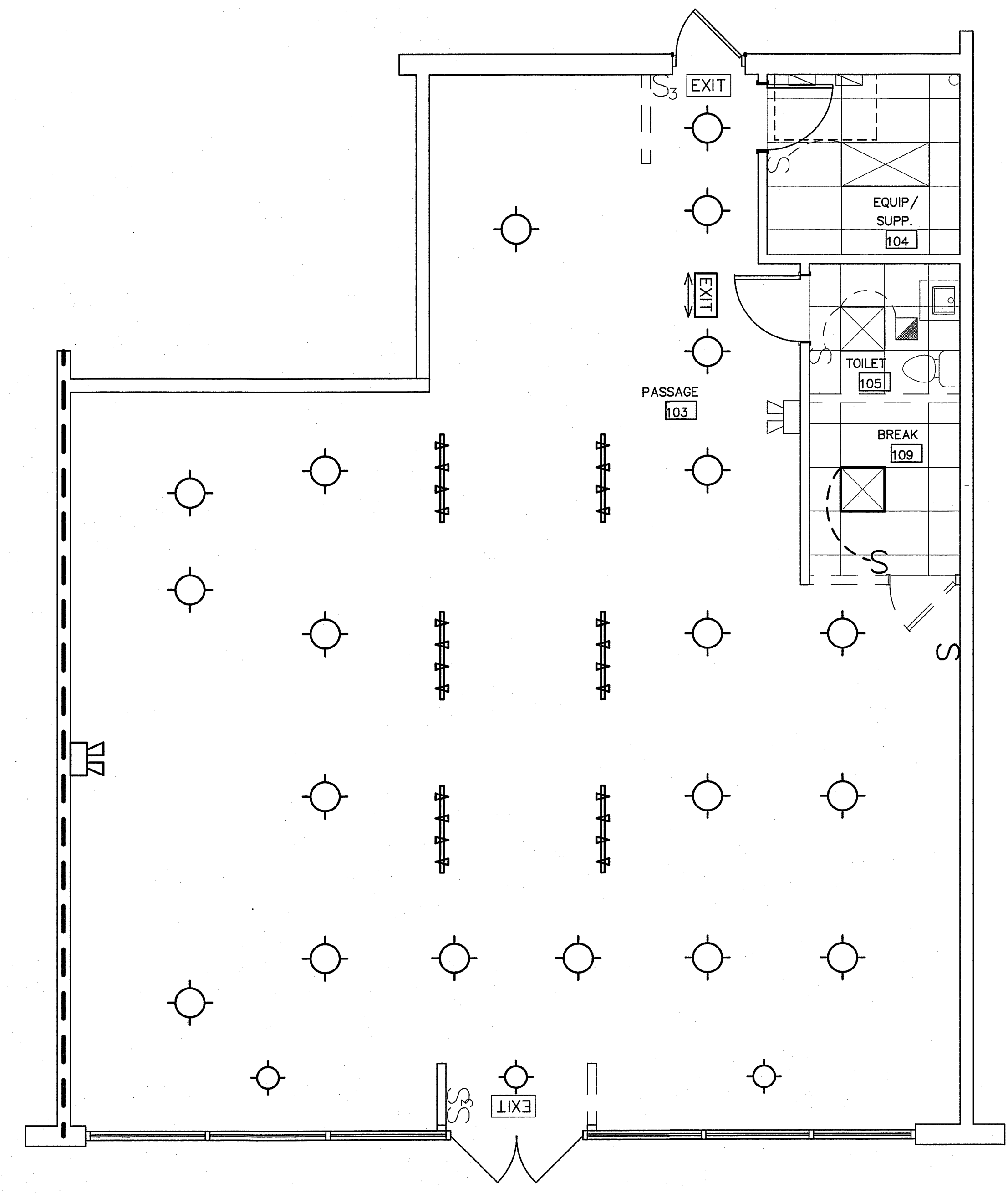


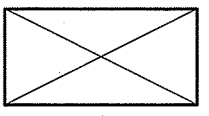
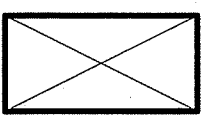


NOTE:  
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THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL RELEVANT INFORMATION.  
THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER  
OF ANY DISCREPANCIES NOTED.

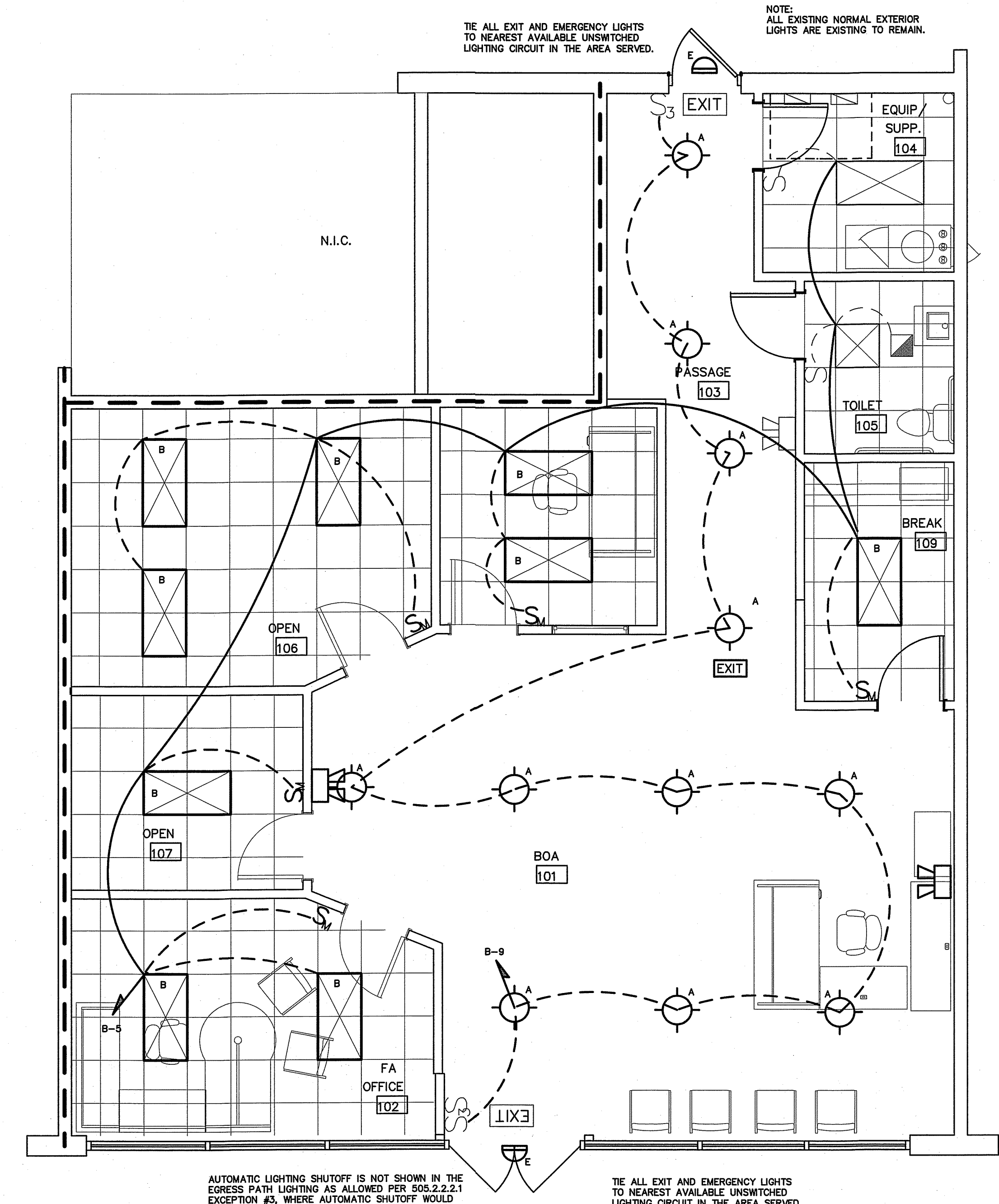
LIGHTING SCHEDULE *						
MARK	MANUFACTURER	CATALOG NO.	VOLT.	LAMPS		REMARKS
				NO.	TYPE	
A	SELECTED BY OWNER/ARCHITECT, PROVIDED BY EC		120	4	LED	36" LED PENDANT (\$175 ALLOWANCE EA.)
B	COLUMBIA	LJT24-35LWG-FSA12F-EDU	120	-	LED	2X4 LAY-IN LED TROFFER
E	DUAL-LITE	PGN	120	4	LED	EXTERIOR NORMAL/EMERGENCY LIGHT FIXTURE- COLOR BY ARCH
EXIT	DUAL-LITE	LXURW	120	-	LED	LED EXIT LIGHT
EXIT	DUAL-LITE	LZ15-03L	120	-	LED	LED EMERGENCY EGRESS LIGHT

\* OR APPROVED EQUAL, PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. CATALOG NUMBERS ARE FOR REFERENCE ONLY.  
ACTUAL NUMBERS MAY VARY. "EB" DENOTES ELECTRONIC BALLAST. FOR FLUORESCENT LIGHTING CONTROLLED BY MOTION SENSOR, PROVIDE "PROGRAMMED  
RAPID START" BALLASTS. (TENANTS MAY CHOOSE TO UPGRADE FIXTURES AT ADDITIONAL COST)  
\*\* VERIFY FIXTURE HAS INTEGRAL LOCAL DISCONNECTING MEANS PER NEC 410.130 (G) (2008).



 = EXISTING FIXTURE TO REMAIN  
 = EXISTING FIXTURE TO BE RELOCATED/REMOVED

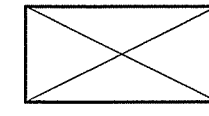
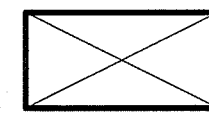
**1** EXISTING LIGHTING PLAN  
SCALE: 1/4" = 1'-0"



NOTE: ALL EXISTING NORMAL EXTERIOR LIGHTS ARE EXISTING TO REMAIN.  
TIE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.

NOTE: ALL EXISTING NORMAL EXTERIOR LIGHTS ARE EXISTING TO REMAIN.  
TIE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.

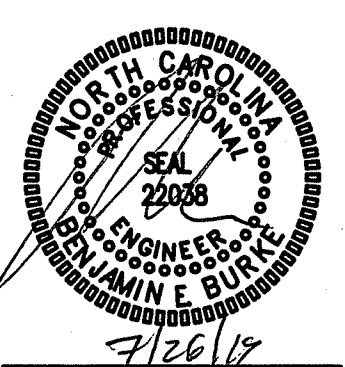
AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED PER 905.2.2.2.1 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.

 = EXISTING FIXTURE TO REMAIN  
 = NEW/RELOCATED FIXTURE

**2** REVISED LIGHTING PLAN  
SCALE: 1/4" = 1'-0"

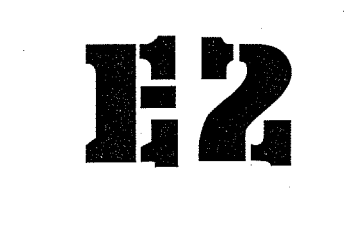
REVISIONS	BY

**BURKE DESIGN GROUP, PA**  
3305-109 DURHAM DRIVE  
RALEIGH, NC 27603  
PHONE: (919) 771-1916  
FAX: (919) 779-0826  
email: benburke@nc.rr.com



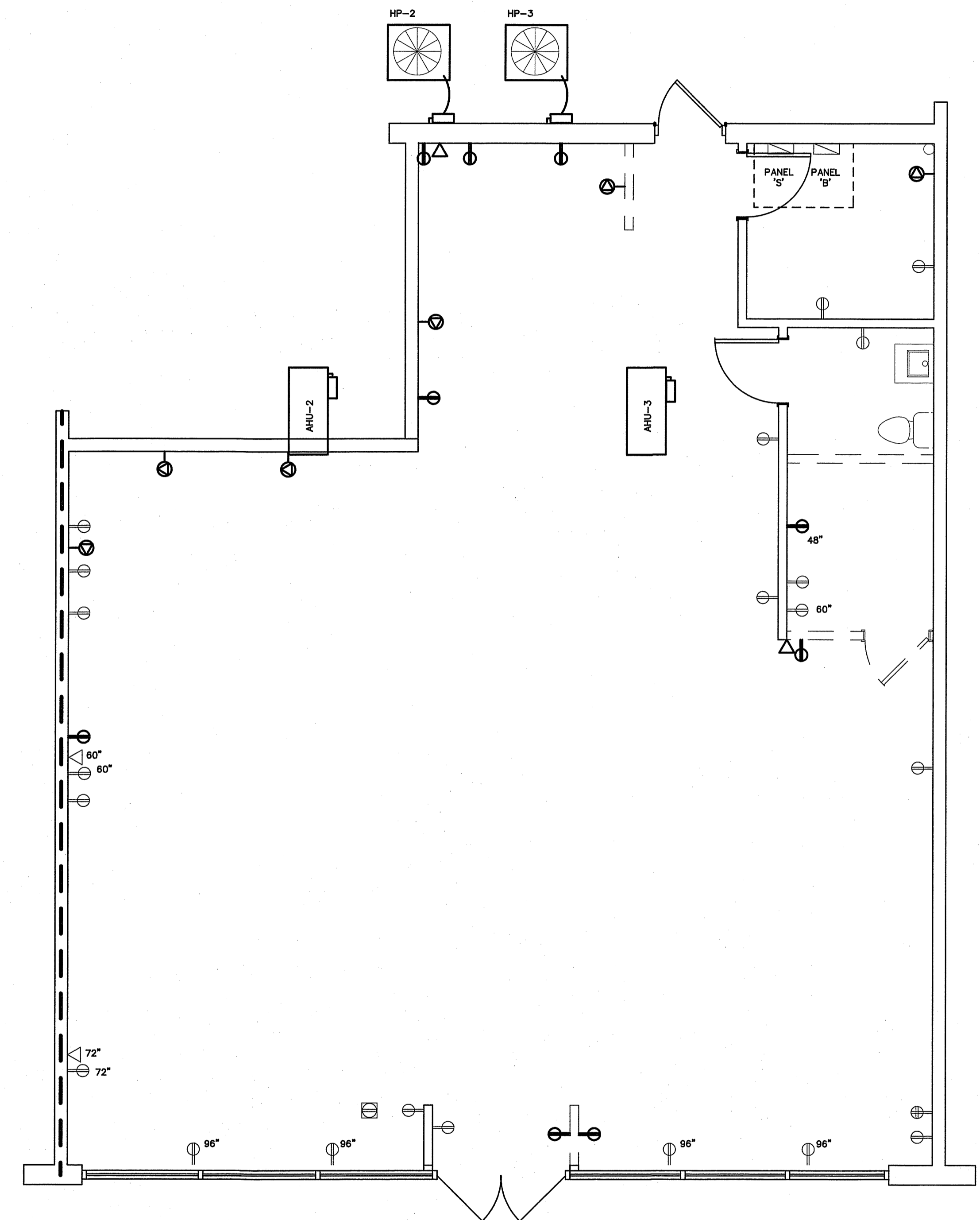
**EDWARD JONES**  
9625 BITTER MELON DR.,  
ANGIER, NC

DRAWN BY	SWB
CHECKED BY	BEB
DATE	07/26/19
SCALE	1/4" = 1'-0"
JOB NO.	



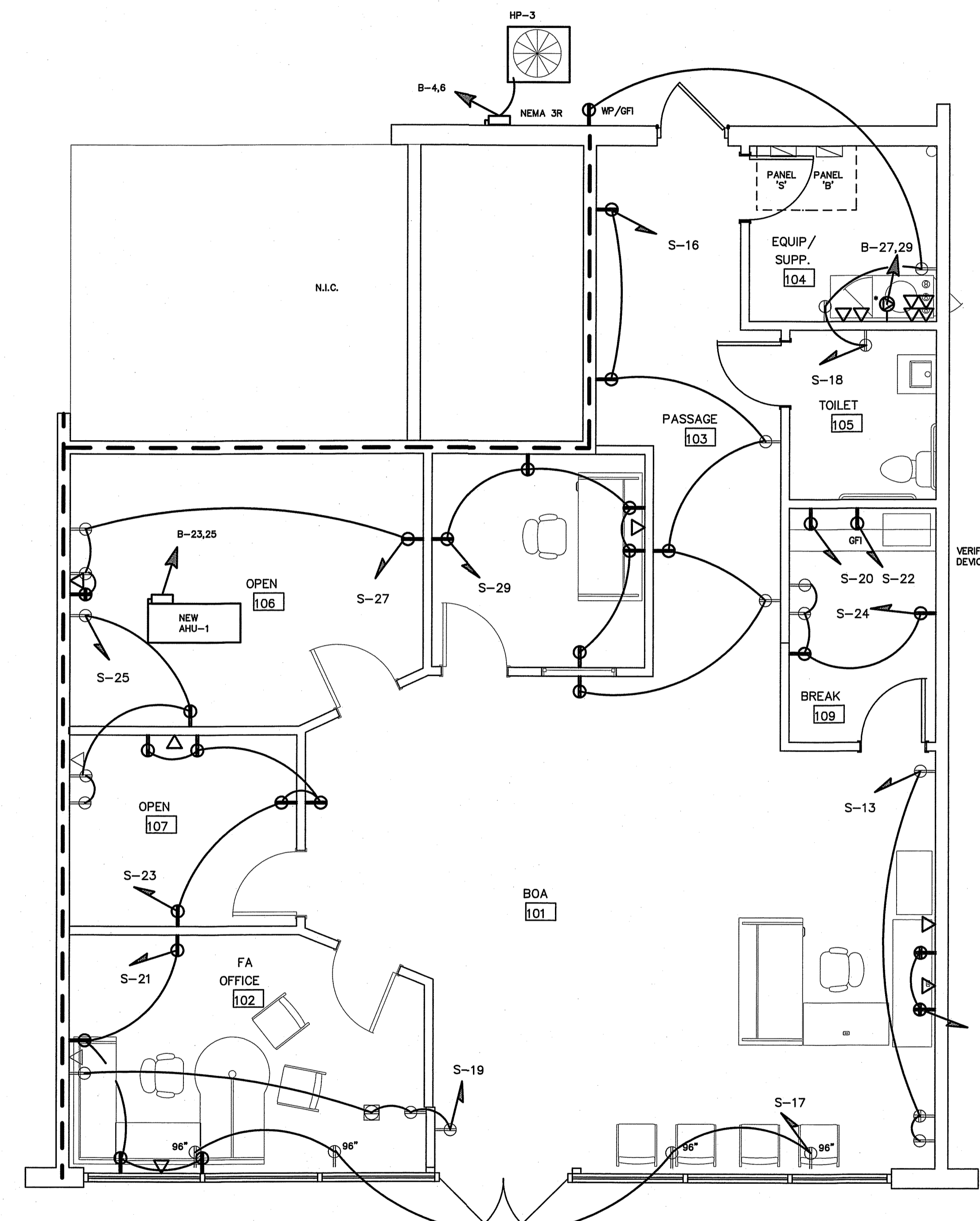


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 OF ANY DISCREPANCIES NOTED.



- = EXISTING DEVICE TO REMAIN
- = EXISTING DEVICE TO BE RELOCATED/REMOVED

1 EXISTING POWER PLAN  
 SCALE: 1/4" = 1'-0"



- = EXISTING DEVICE TO REMAIN
- = NEW/RELOCATED DEVICE

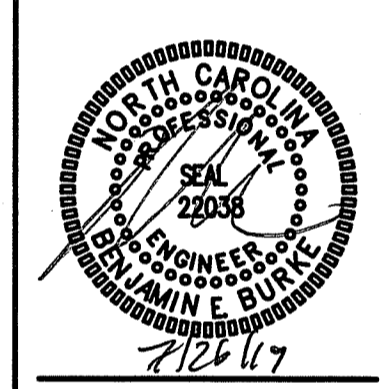
2 REVISED POWER PLAN  
 SCALE: 1/4" = 1'-0"

\* VERIFY REQUIREMENTS  
 WITH TENANT PRIOR  
 TO BID

VERIFY HEIGHT/LOCATION OF ALL  
 DEVICES PRIOR TO INSTALLATION.

REVISIONS	BY

**BURKE DESIGN GROUP, PA**  
 3305-109 DURHAM DRIVE  
 RALEIGH, NC 27603  
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**EDWARD JONES**  
 9625 BITTER MELON DR.,  
 ANGIER, NC

DRAWN BY	SWB
DESIGNED BY	BEB
DATE	07/26/19
SCALE	1/4" = 1'-0"
JOB NO.	
SHEET	



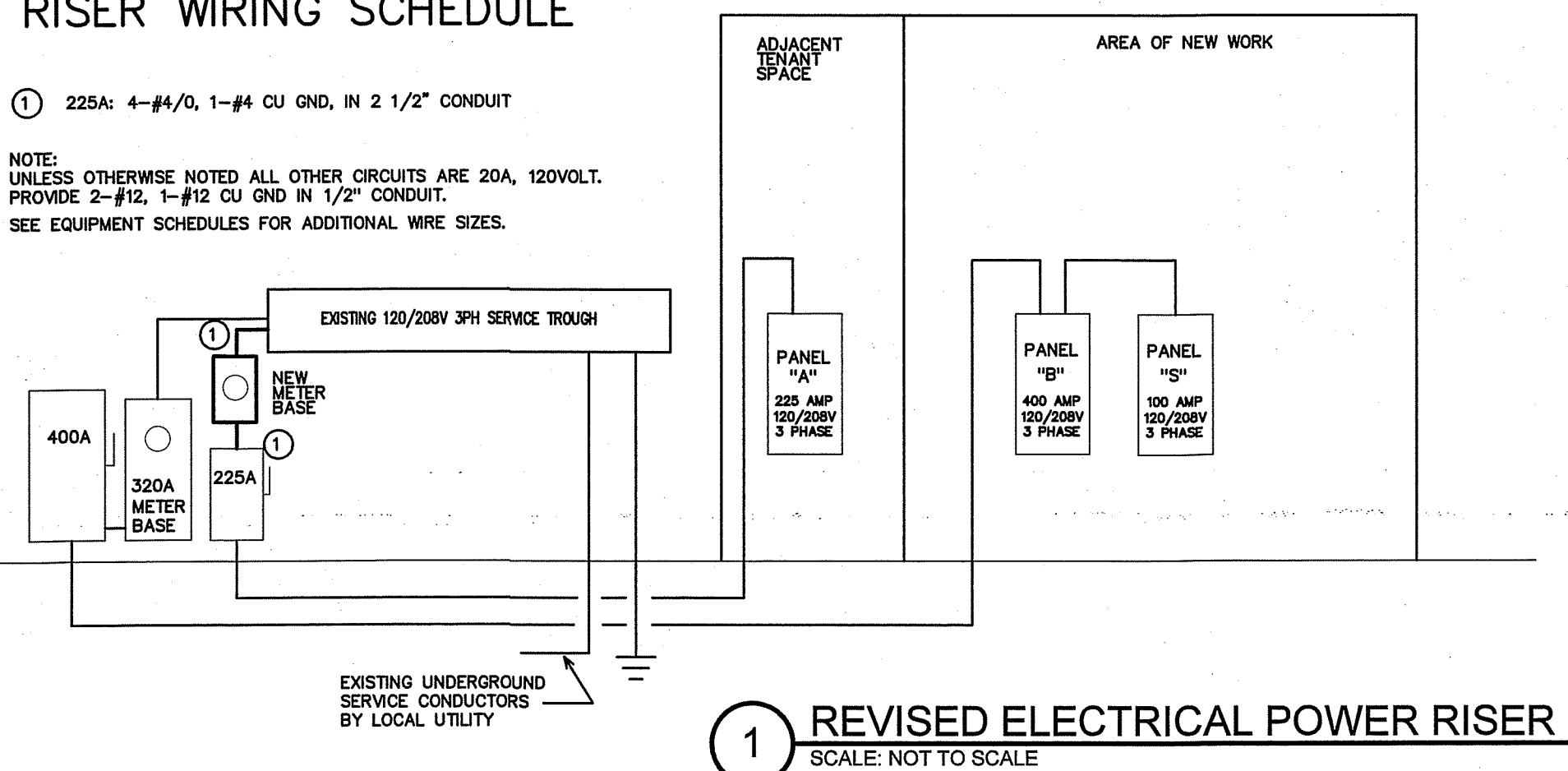
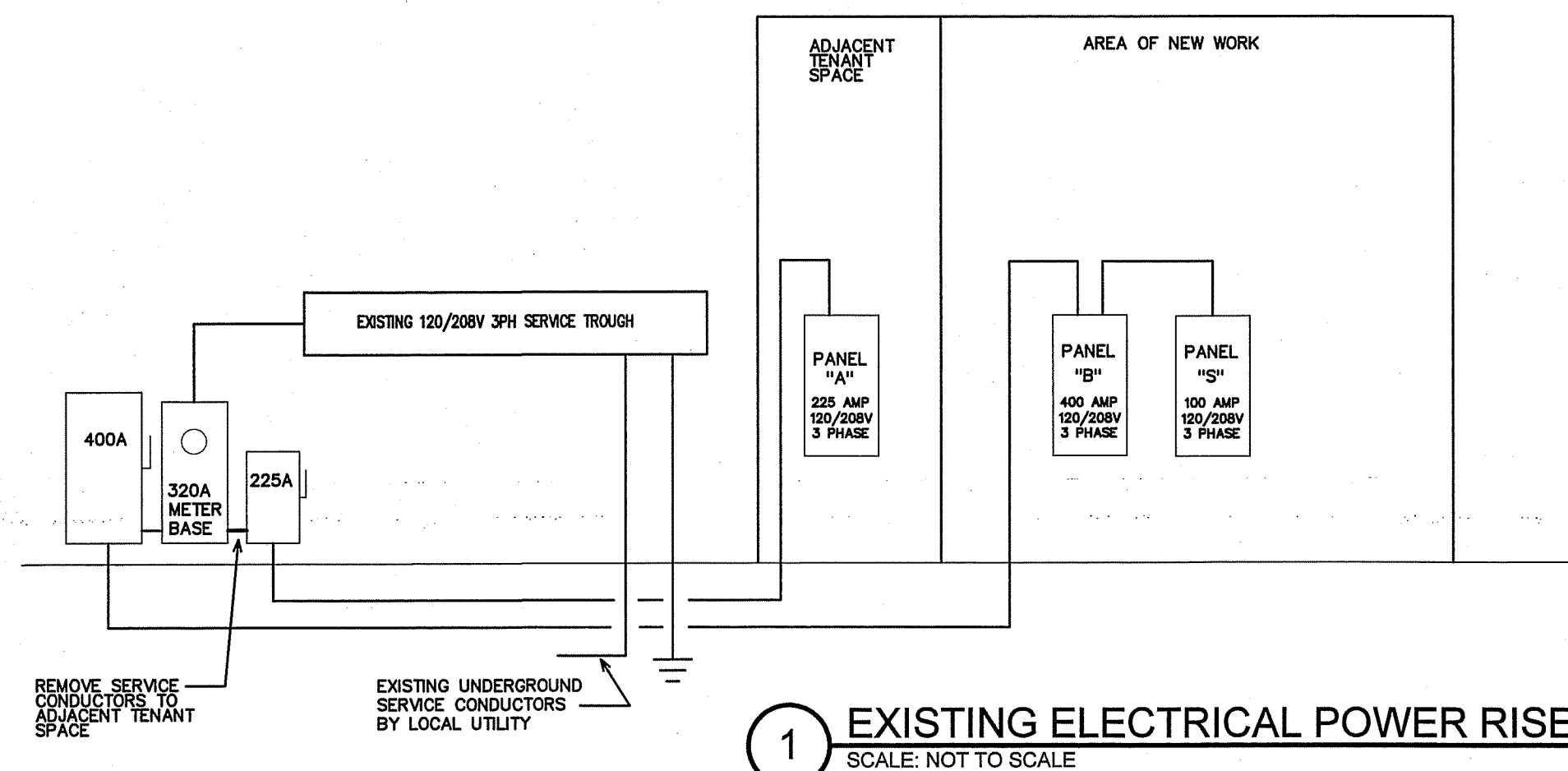
EXISTING PANEL- 'B'		MAKE: CUTLER HAMMER			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
		TYPE: PRL1A			MOUNTING: FLUSH			EQUIPMENT GROUND BUS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
		MINIMUM AIC: VERIFY			SERVICE ENTRY RATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT BRKR	LOAD SERVICE		
LTS: 108-112	20A		1		2		20A	FURNACE		
SPARE	20A		3		4		50A	CONDENSING UNIT		
LTS: 101-103,105	20A		5		6		20A	REC: 101		
LTS: 101	20A		7		8		20A	REACH-IN FREEZER		
LTS & REC: FRONT	20A		9		10		20A	SPARE		
WASHER	20A		11		12		20A	RESTROOM & ICE CREAM FREEZER		
DRYER	30A		13		14		20A	REC: OFFICE		
#??	20A		15		16		20A	REC: DISP. AREA		
SPARE	20A		17		18		20A	SPARE		
FURNACE	20A		19		20		20A	REC		
CONDENSING UNIT	50A		21		22		20A	REACH-IN REFRIGERATOR		
REACH-IN FREEZER	20A		23		24		20A	PRODUCE COOLER		
SPARE	20A		25		26		20A	REACH-IN FREEZER		
REACH-IN REFRIGERATOR	20A		27		28		20A	SHUNT TRIP		
REC: WINDOW	20A		29		30		100A	PANEL 'S'		
REC: WINDOW	20A		31		32					
REC: WINDOW	20A		33		34					
LOTTO	20A		35		36					
LOTTO	20A		37		38					
LOTTO	20A		39		40					
LOTTO	20A		41		42					
NOTES	SUB-TOTALS 'B'			400A BUS			SUB-TOTALS 'A'			
				400A LUGS			SUB-TOTALS 'B'			
				400A FEED			GRAND TOTAL			
				VERIFY SIZE			AMPS/PHASE			

EXISTING PANEL- 'S'		MAKE: CUTLER HAMMER			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
		TYPE: PRL1A			MOUNTING: FLUSH			EQUIPMENT GROUND BUS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
		MINIMUM AIC: VERIFY			SERVICE ENTRY RATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT BRKR	LOAD SERVICE		
REC: BACK WALL	20A		1		2		20A	REACH-IN FREEZER		
ICE CREAM FREEZER	20A		3		4		20A	SPARE		
REC: BACK WALL	20A		5		6		20A	SPARE		
REFRIGERATOR	20A		7		8		20A	SPARE		
SPACE	20A		9		10		20A	SPARE		
REFRIGERATOR	20A		11		12		20A	SPARE		
SPACE	20A		13		14		20A	PRODUCE COOLER LTS & FAN		
REC:	20A		15		16		20A	SPACE		
SPACE	20A		17		18		20A	SPACE		
SPACE	20A		19		20		20A	SPACE		
SPACE	20A		21		22		20A	SPACE		
SPACE	20A		23		24		20A	SPACE		
SPACE	20A		25		26		20A	LTS: STORAGE		
SPACE	20A		27		28		20A	REC: STORAGE		
SPACE	20A		29		30		20A	REC: STORAGE		
NOTES	SUB-TOTALS 'B'			100A BUS			SUB-TOTALS 'A'			
				100A LUGS			SUB-TOTALS 'B'			
				100A FEED			GRAND TOTAL			
				VERIFY SIZE			AMPS/PHASE			

REVISED PANEL- 'B'		MAKE: CUTLER HAMMER			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
		TYPE: PRL1A			MOUNTING: FLUSH			EQUIPMENT GROUND BUS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
		MINIMUM AIC: VERIFY			SERVICE ENTRY RATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT BRKR	LOAD SERVICE		
SPARE	20A		1		2		20A	SPARE		
SPARE	20A		3		4	2870	50A	HP-1		
LTS: 101-103,105	20A	534	5		6	2870	20A	COMP: 28.4A, FAN: 1.2A		
SPARE	20A		7		8		20A	SPARE		
LTS & REC: FRONT	20A	528	9		10		20A	SPARE		
SPARE	20A		11		12		20A	SPARE		
SPARE	30A		13		14		20A	SPARE		
SPARE	20A		15		16		20A	SPARE		
SPARE	20A		17		18		20A	SPARE		
SPARE	20A		19		20		20A	SPARE		
SPARE	20A		21		22		20A	SPARE		
AHU-1	60A	4389	23		24		20A	SPARE		
MOTOR: 8A, HEAT: 36.2A	4389		25		26		20A	SPARE		
SPECIAL RECEPTACLE	20A	1960	27		28		20A	SPARE		
SPARE	20A		29		30		20A	SPARE		
SPARE	20A		31		32		20A	SPARE		
SPARE	20A		33		34		20A	SPARE		
SPARE	20A		35		36		20A	SPARE		
SPARE	20A		37		38	2980	100A	PANEL 'S'		
SPARE	20A		39		40	4420				
SPARE	20A		41		42	3780				
NOTES	SUB-TOTALS 'B'			400A BUS			SUB-TOTALS 'A'			
				400A LUGS			SUB-TOTALS 'B'			
				400A FEED			GRAND TOTAL			
				VERIFY SIZE			AMPS/PHASE			

REVISED PANEL- 'S'		MAKE: CUTLER HAMMER			RATING: 208/120V 3 PHASE 4 WIRE			M.L.O. MAIN CIRCUIT BREAKER		
		TYPE: PRL1A			MOUNTING: FLUSH			EQUIPMENT GROUND BUS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
		MINIMUM AIC: VERIFY			SERVICE ENTRY RATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
LOAD SERVICE	CKT BRKR	WATTS PER PHASE	CKT NO	NEUTRAL A B C	CKT NO	WATTS PER PHASE	CKT BRKR	LOAD SERVICE		
SPARE	20A		1		2		20A	SPARE		
SPARE	20A		3		4		20A	SPARE		
SPARE	20A		5		6		20A	SPARE		
SPARE	20A		7		8		20A	SPARE		
REC: 101	20A	720	9		10		20A	SPARE		
REC: 101	20A	720	11		12		20A	SPARE		
REC: 101	20A	720	13		14		20A	SPARE		
REC: 101,102	20A	720	15		16	1080	20A	REC: 103		
REC: 101,102	20A	720	17		18	540	20A	REC: 104,105		
REC: 101,102	20A	720	19		20	1000	20A	REC: 109		
REC: 102	20A	720	21		22	1000	20A	REC: 109		
REC: 107	20A	900	23		24	720	20A	REC: 109		
REC: 106,107	20A	720	25		26		20A	SPARE		
REC: 107	20A	900	27		28		20A	SPARE		
REC: OFFICE	20A	900	29		30		20A	SPARE		
NOTES	SUB-TOTALS 'B'			100A BUS			SUB-TOTALS 'A'			
				100A LUGS			SUB-TOTALS 'B'			
				100A FEED			GRAND TOTAL			
				VERIFY SIZE			AMPS/PHASE			

NEC ALLOWABLE DEMAND FACTORS	DIVERSIFIED LOAD SUMMARY																																																																														
<ol style="list-style-type: none"> <li>DEMAND FACTORS PER NEC 220</li> <li>LARGEST OF: NEC TABLE 220.12 OR CONNECTED LOAD</li> <li>NEC TABLE 220.56</li> <li>NEC 220.51</li> <li>NEC 220.43A, 200 VA/LINEAR FT</li> <li>NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED</li> </ol>	<table border="1"> <thead> <tr> <th>LOAD TYPE</th> <th>DEMAND FACTOR</th> <th>A</th> <th>B</th> <th>C</th> <th>TOTAL DIVERSIFIED LOAD</th> </tr> </thead> <tbody> <tr> <td>GENERAL LIGHTING</td> <td>125%</td> <td>660</td> <td>668</td> <td>1328</td> <td></td> </tr> <tr> <td>TRACK LIGHTING</td> <td>125%</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GENERAL USE RECEPTACLES</td> <td>100%</td> <td>2980</td> <td>3510</td> <td>3510</td> <td>10000</td> </tr> <tr> <td>MOTORS AND EQUIPMENT</td> <td>100%</td> <td>900</td> <td>3960</td> <td>3960</td> <td>8820</td> </tr> <tr> <td>WATER HEATERS</td> <td>100%</td> <td>2104</td> <td>2824</td> <td>4928</td> <td></td> </tr> <tr> <td>KITCHEN EQUIPMENT</td> <td>100%</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FIX. ELEC. SPACE HEAT.</td> <td>100%</td> <td>4344</td> <td>4344</td> <td>8688</td> <td></td> </tr> <tr> <td>SHOW WINDOW LIGHTS</td> <td>125%</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SIGN</td> <td>100%</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MISC</td> <td>100%</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>PHASE (TOTAL VA)</b></td> <td></td> <td><b>8224</b></td> <td><b>10889</b></td> <td><b>15441</b></td> <td><b>34354</b></td> </tr> <tr> <td><b>TOTAL AMPS</b></td> <td></td> <td><b>69A</b></td> <td><b>89A</b></td> <td><b>129A</b></td> <td><b>95A</b></td> </tr> </tbody> </table>	LOAD TYPE	DEMAND FACTOR	A	B	C	TOTAL DIVERSIFIED LOAD	GENERAL LIGHTING	125%	660	668	1328		TRACK LIGHTING	125%					GENERAL USE RECEPTACLES	100%	2980	3510	3510	10000	MOTORS AND EQUIPMENT	100%	900	3960	3960	8820	WATER HEATERS	100%	2104	2824	4928		KITCHEN EQUIPMENT	100%					FIX. ELEC. SPACE HEAT.	100%	4344	4344	8688		SHOW WINDOW LIGHTS	125%					SIGN	100%					MISC	100%					<b>PHASE (TOTAL VA)</b>		<b>8224</b>	<b>10889</b>	<b>15441</b>	<b>34354</b>	<b>TOTAL AMPS</b>		<b>69A</b>	<b>89A</b>	<b>129A</b>	<b>95A</b>
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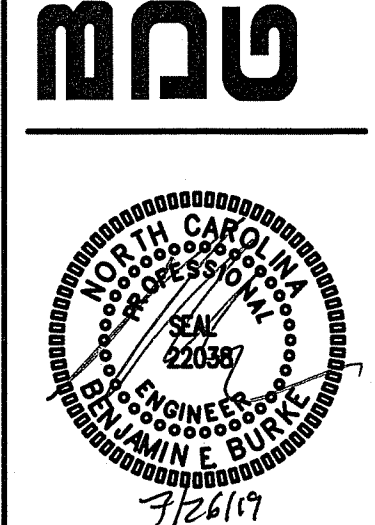


RISER WIRING SCHEDULE

- 225A: 4-#4/0, 1-#4 CU GND, IN 2 1/2" CONDUIT
- NOTE: UNLESS OTHERWISE NOTED ALL OTHER CIRCUITS ARE 20A, 120VOLT. PROVIDE 2-#12, 1-#12 CU GND IN 1/2" CONDUIT. SEE EQUIPMENT SCHEDULES FOR ADDITIONAL WIRE SIZES.

REVISIONS	BY

**BURKE DESIGN GROUP, PA**  
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 RALEIGH, NC 27603  
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 email: benburke@nc.crr.com



**EDWARD JONES**  
 9625 BITTER MELON DR.,  
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DESIGN BY	SWB
CHECKED BY	BEB
DATE	07/26/19
SCALE	1/4" = 1'-0"
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**1:4**