



ARCHITECT OF RECORD For
Building Shell is
rufledge alcock architects
619 east college avenue
suite d1, decatur, ga 30030
ph 404.214.5797

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ISSUED:
DATE: FOR:

08-05-20 RELEASED FOR CONSTRUCTION

REVISIONS:
NO: DATE: DESCRIPTION:

ATLANTA PREMIER OBGYN
764 MEMORIAL DRIVE SE
STE 101-102, ATLANTA, GA30316

Date 08/05/2020
MECHANICAL PLAN
SCALE As indicated
M1

ISSUED FOR CONSTRUCTION

WALL LOUVERS				
MARK	SERVICE	MANUFACTURER MODEL	FACE SIZE	NOTES
LV-B	EXHAUST	GREENHECK ESD-603	18 X 12	A, B, C, D, E
LV-C	INTAKE	GREENHECK ESD-603	18 X 12	A, B, C, D, E

NOTES:
A. ALL ALUMINUM CONSTRUCTION.
B. SCREENS SHALL BE CONTAINED WITHIN A REMOVABLE FRAME
C. UNIT SHALL BE AMCA LICENSED
D. BAKED ENAMEL FINISH - COLOR SELECTED BY ARCHITECT
E. EQUAL BY RUSKIN, ARROW

CEILING EXHAUST FAN SCHEDULE								
MARK	AREA SERVED	MANUFACTURER MODEL	CFM	ESP	MOUNTING FAN TYPE	V/PH/VZ (PLEN)	DRIVE CONTROL METHOD	NOTES
EF1	RESTROOM	COOK GC-124	75	0.125	CEILING CENTRIFUGAL	120/1/60 (64)	DIRECT WALL SWITCH	A, B, D
EF2	RESTROOM	COOK GC-124	100	0.125	CEILING CENTRIFUGAL	120/1/60 (64)	DIRECT CONTINUOUS	A, B, D

GENERAL INFORMATION (ALL UNITS):
1. FANS SHALL BE AMCA CERTIFIED AS WELL AS UL OR ETL LISTED.
2. PROVIDE FACTORY MOUNTED DISCONNECT (AS APPLICABLE).
3. CONTRACTOR SHALL USE SCHEDULED EQUIPMENT OR APPROVED EQUAL.

NOTES:
A. PROVIDE FACTORY PRE-WIRED FAN SPEED CONTROLLER.
B. PROVIDE GRAVITY BACKDRAFT DAMPER AND ALUMINUM GRILLE.
C. PROVIDE SPRING VIBRATION ISOLATORS FOR HANGER ROD SUPPORTS.

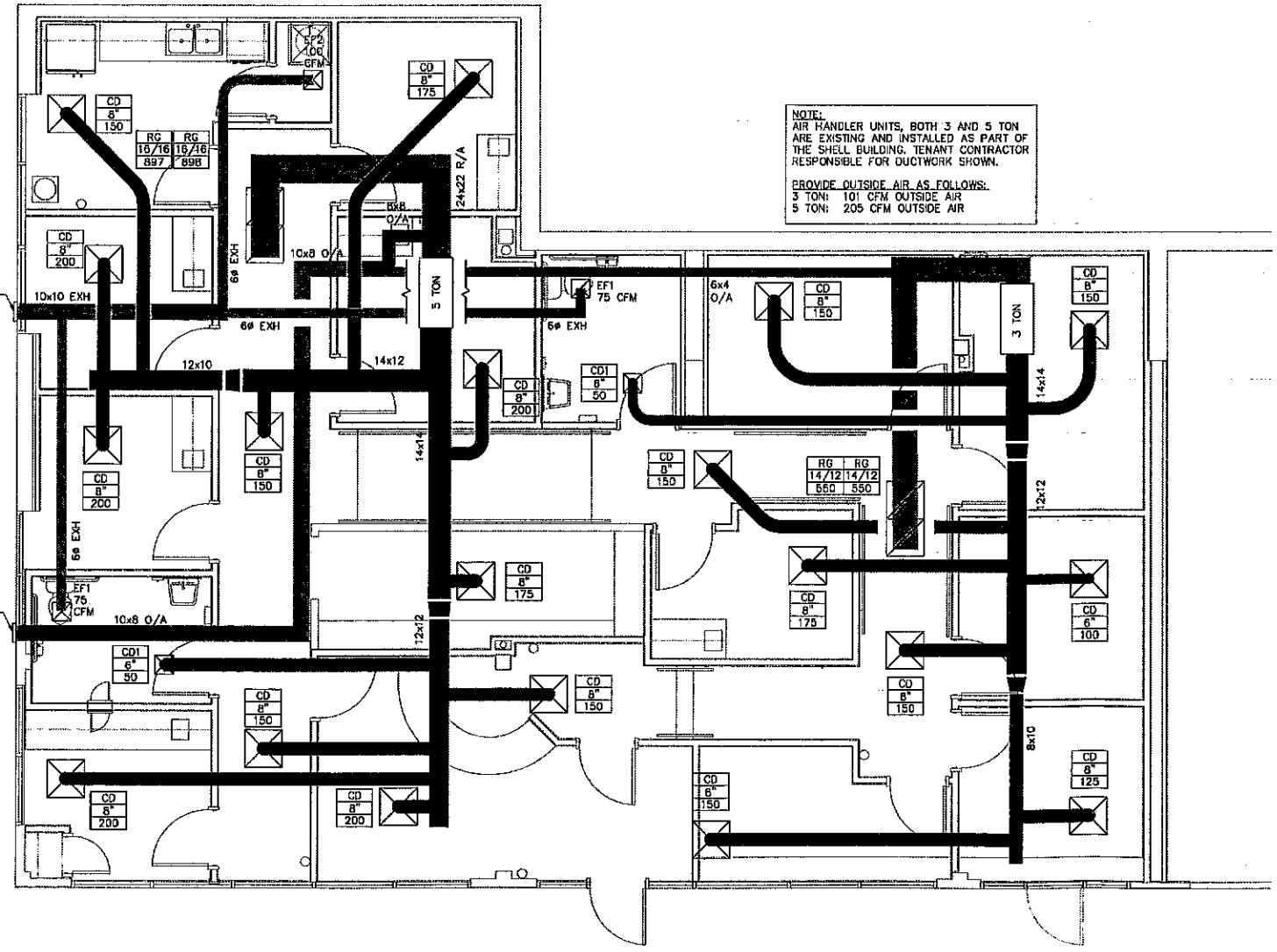
AIR DEVICE UNIT SCHEDULE						
MARK	SERVICE	MANUFACTURER MODEL	STYLE	FRAME TYPE BORDER #	FACE SIZE	NOTES
CD	SUPPLY AIR	TITUS TMS-AA	ROUND NECK CEILING DIFFUSER	LAY-IN (TYPE 3)	24 X 24	A, B, C, E
CDI	SUPPLY AIR	TITUS TMS	ROUND NECK CEILING DIFFUSER	LAY-IN (TYPE 3)	12 X 12	A, B, C, E
RG	RETURN AIR	TITUS 50F	EGGCRATE CEILING GRILLE	LAY-IN (TYPE 3)	24 X 24	A, B, D, E

NOTES:
A. ALL ALUMINUM CONSTRUCTION.
B. BRANCH DUCT SIZE SHALL BE SAME AS NOTED DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
C. DAMPER AT TAKEOFF TO DEVICE.
D. OPPOSED BLADE DAMPER IN NECK.
E. STANDARD WHITE BAKED ENAMEL FINISH.
F. PROVIDE DIFFUSER PLENUM FOR DUCT CONNECTION.

MECHANICAL SYMBOLS	
	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN DUCT IN SECTION
	EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	VOLUME/BALANCE DAMPER
	SUPPLY CEILING DIFFUSER
	RETURN CEILING GRILLE
	DIFFUSER OR GRILLE TYPE BRANCH DUCT & NECK SIZE CFM
	THERMOSTAT

GENERAL NOTES

- NOT USED
- LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER AND GRILLE LOCATIONS. LOCATE DIFFUSERS AND GRILLES TO ACCOMMODATE LIGHTING LAYOUT.
- DUCT SIZES SHOWN ON DRAWINGS ARE NET FREE AREA. CONTRACTOR'S OPTION, ROUND DUCTWORK OF EQUIVALENT FREE AREA MAY BE USED IN LIEU OF RECTANGULAR. INCREASE RECTANGULAR SHEET METAL SIZE AS REQUIRED FOR LINER. REFER TO SPECIFICATIONS FOR THE INSULATION THICKNESS.
- PROVIDE VOLUME CONTROL DAMPERS AT DUCTS TO DIFFUSERS. PROVIDE ACCESS AS REQUIRED. LOCATE VOLUME CONTROL DAMPERS IN OFFICES AND TENANT SPACES AT A MINIMUM OF 36" AWAY FROM DIFFUSERS AND MAXIMUM OF 60" ABOVE THE CEILING.



1 MECHANICAL PLAN
1/4" = 1'-0"



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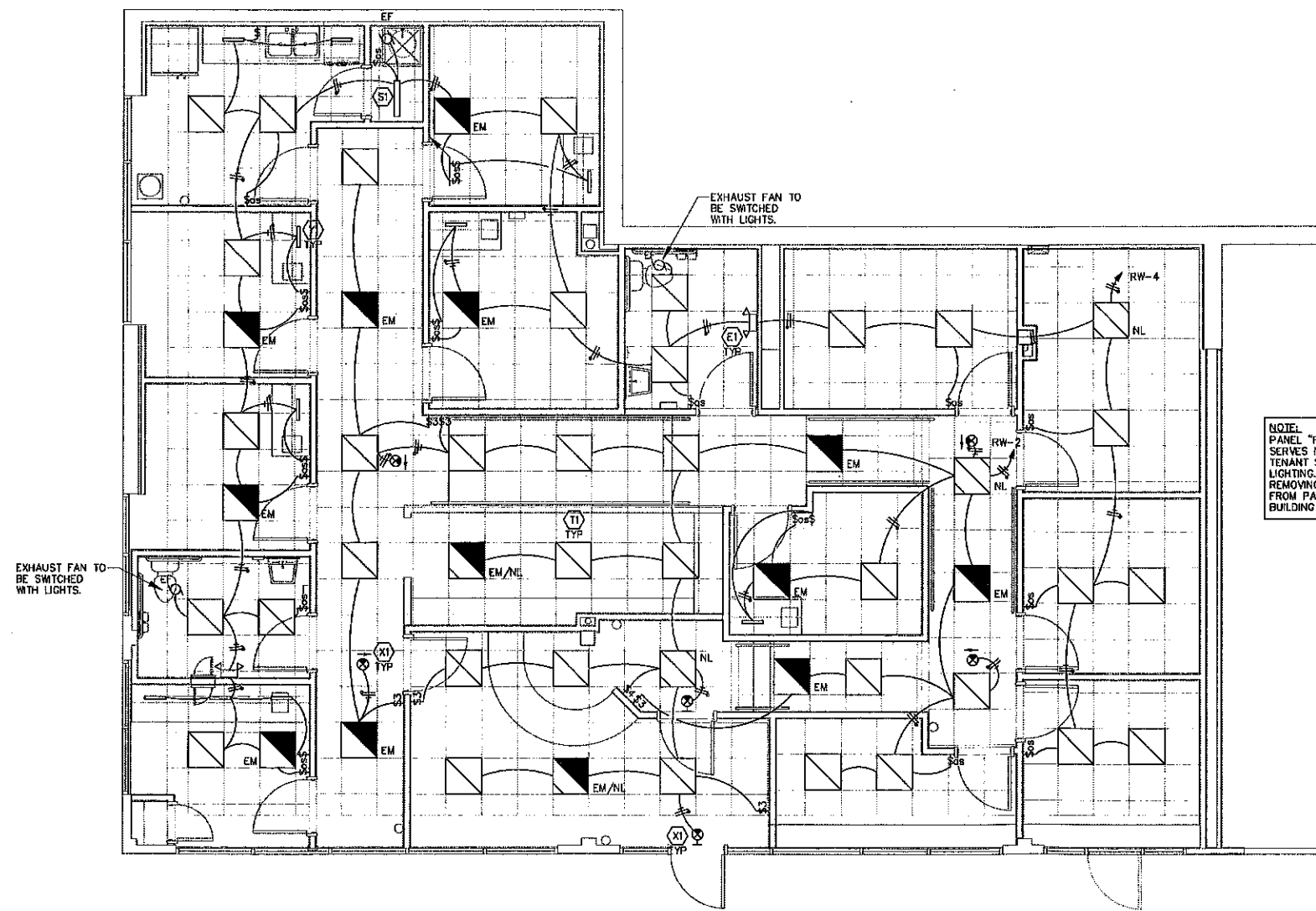
LIGHTING PLAN
SCALE
As indicated

E1

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LIGHT FIXTURE SCHEDULE								
TAG	DESCRIPTION	FIXTURE DATA			LAMP DATA			REMARKS
		MANU.	CATALOG NUMBER	MOUNTING	VOLT	VA	QUANT	
E1	EMERGENCY LIGHT	LITHONIA	ELM2L	SURFACE	120/277	1.09	N/A	LED
S1	2' LED STRIP LIGHT	LITHONIA	ZLIN L24 5000LM FST MVOLT 40K 80CRI WH	SURFACE	120/277	34	N/A	LED
T1	2X2 LED LIGHT	LITHONIA	CPANL 2X2 24/33/44LM 40K M4	RECESSED	120/277	39	N/A	LED
X1	CEILING MOUNTED EXIT UNIT COMBO	LITHONIA	LHQM LED R	SURFACE	120/277	4.3	N/A	LED
X2	WALL MOUNTED EXIT UNIT COMBO	LITHONIA	LHQM LED R	SURFACE	120/277	4.3	N/A	LED
Y1	UNDER CABINET LED LIGHT	LITHONIA		SURFACE	120/277		N/A	LED

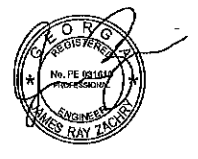
ELECTRICAL SYMBOLS LEGEND (SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)	
SYMBOL	DESCRIPTION
○/○	INCANDESCENT OR HID FIXTURE (WALL MOUNTED/CEILING MOUNTED)
□	FLUORESCENT FIXTURE, SURFACE MOUNTED
□	FLUORESCENT FIXTURE, RECESSED - LENS/PARABOLIC
□	FLUORESCENT FIXTURE, NIGHT LIGHT/EMERGENCY LIGHT
○/○	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
⊕	EMERGENCY FIXTURE, +7'-6" UNO
⊕	LIGHT FIXTURE CALL-OUT, SEE SCHEDULE
⊕	SWITCH, SINGLE POLE, +44" UNO
⊕	SWITCH, 3-WAY, +44" UNO
▽	TELEPHONE/DATA OUTLET, PROVIDE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING
TV	TELEVISION OUTLET, PROVIDE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING
⊕	RECEPTACLE, DUPLEX, +16" UNO
⊕	RECEPTACLE, DOUBLE DUPLEX, +16" UNO
—	CIRCUIT, EXPOSED
—	CIRCUIT, CONCEALED
—	EXISTING EQUIPMENT OR CIRCUIT
—	HOMERUN CIRCUIT
⊕	KEY NOTE, REFER TO NOTES
⊕	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
□	DISCONNECT SWITCH
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUCIATOR PANEL
⊕	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE
⊕	FIRE ALARM VISUAL NOTIFICATION DEVICE
⊕	FIRE ALARM MANUAL PULL STATION
⊕	FIRE ALARM SMOKE DETECTOR
⊕	FIRE ALARM HEAT DETECTOR
⊕	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR
⊕	FIRE ALARM SPRINKLER FLOW SWITCH
⊕	FIRE ALARM SPRINKLER TAMPER SWITCH
⊕	MECHANICAL EQUIPMENT REFER TO MECHANICAL OR PLUMBING SHEETS FOR EQUIPMENT SCHEDULE
X/XX	DETAIL REFERENCE X-DETAIL NUMBER XX-SHEET NUMBER
LIGHT SWITCH SUBSCRIPTS	
a, b, c LOWER CASE LETTERS INDICATE SWITCHING CONFIGURATION.	
ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
+	AFF
EF	EXHAUST FAN
EM	EMERGENCY
EWC	ELECTRIC WATER COOLER
GR	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPTER
NTS	NOT TO SCALE
RE	REFERENCE
TYP	TYPICAL
UH	UNIT HEATER
WP	WEATHER PROOF
NOTE: ALL MOUNTING HEIGHTS INDICATED ON PLANS ARE TO BOTTOM OF DEVICE	



NOTE:
PANEL "RM" CURRENTLY SERVES NEIGHBORING TENANT SPACE TEMPORARY LIGHTING. COORDINATE REMOVING LIGHTING CIRCUIT FROM PANEL RM WITH BUILDING OWNER

EXHAUST FAN TO BE SWITCHED WITH LIGHTS.

1 LIGHTING PLAN
1/4" = 1'-0"



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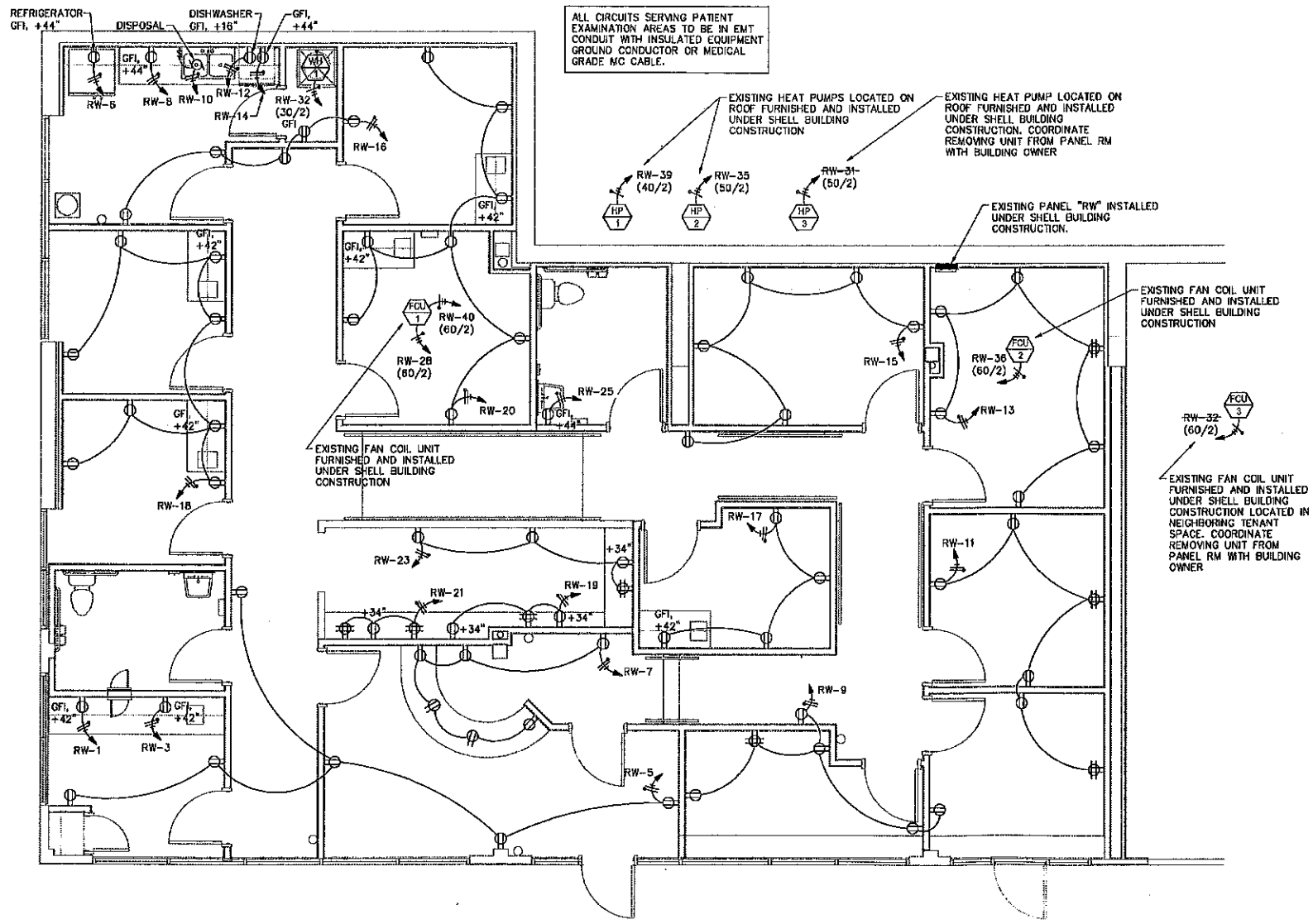
POWER PLAN

SCALE
As indicated

E2

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PANELBOARD				VOLTAGE				RW			
1 SECTION				L-L	L-N	PHASE	WBE	400A MAIN BREAKER			
				VOLTS	VOLTS			10,000 AIG	GROUND BAR		
				208	120	3	4	GROUND BAR	SURFACE MOUNT		
DESCRIPTION	QTY	PKT	NOTE	PHASE A	PHASE B	PHASE C	NOTE	PKT	DESCRIPTION		
1 LAB RECEPTACLES	20	1		0.18	1.00			1	20 LIGHTING		
3 LAB RECEPTACLES	20	1			0.23	0.27		1	20 LIGHTING		
5 RECEPTACLES	20	1				1.00	0.73	1	20 REFRIGERATOR		
7 RECEPTACLES	20	1		1.00	0.19			1	20 BREAKROOM RECEPTACLE		
9 RECEPTACLES	20	1			1.28	0.79		1	20 DISPOSAL		
11 RECEPTACLES	20	1				1.00	1.00	1	20 BREAKROOM RECEPTACLE		
13 RECEPTACLES	20	1		1.24	0.19			1	20 RECEPTACLES		
15 RECEPTACLES	20	1			1.00	0.90		1	20 RECEPTACLES		
17 RECEPTACLES	20	1				0.77	1.04	1	20 RECEPTACLES		
18 NURSE STATION RECEPTACLES	20	1		0.79	1.04			1	20 RECEPTACLES		
21 NURSE STATION RECEPTACLES	20	1			0.80	0.80		1	20 SPARE		
22 NURSE STATION RECEPTACLES	20	1				0.70	0.80	1	20 SPARE		
23 TOILET ROOM RECEPTACLE	20	1		0.10	0.00			1	20 SPARE		
24 SPACE					0.00	4.00		2	60 FAN COIL UNIT FCU EXISTING		
25 SPACE					0.00	2.25		2	30 WATER HEATER		
26 SPACE					0.00	2.25		2	60 FAN COIL UNIT FCU EXISTING		
27 HEAT PUMP EXISTING	50	2		0.00	6.30			2	60 FAN COIL UNIT FCU EXISTING		
28 HEAT PUMP EXISTING	40	2			2.40	4.30		2	60 FAN COIL UNIT FCU EXISTING		
29								2	60 FAN COIL UNIT FCU EXISTING		
30								2	60 FAN COIL UNIT FCU EXISTING		
31								2	60 FAN COIL UNIT FCU EXISTING		
32								2	60 FAN COIL UNIT FCU EXISTING		
33								2	60 FAN COIL UNIT FCU EXISTING		
34								2	60 FAN COIL UNIT FCU EXISTING		
35								2	60 FAN COIL UNIT FCU EXISTING		
36								2	60 FAN COIL UNIT FCU EXISTING		
37								2	60 FAN COIL UNIT FCU EXISTING		
38								2	60 FAN COIL UNIT FCU EXISTING		
39								2	60 FAN COIL UNIT FCU EXISTING		
40								2	60 FAN COIL UNIT FCU EXISTING		
41								2	60 FAN COIL UNIT FCU EXISTING		
42								2	60 FAN COIL UNIT FCU EXISTING		
TOTAL				27.25	20.04	24.78		24	AUG		
TOTAL LOAD				127.00	107.00	107.00		107	AUG		
PER NEC ARTICLE 220 FEEDER LOAD				86.39	74	104.29		104	AUG		
				87.88	74	104.29		104	AUG		
LOAD (LIGHTS)				REC	REC	IMSC	COIT	STCH	HEAT	COOL	
CONNECTED LOAD (KW)				2.80	10.50	8.84	4.80	0.00	0.00	41.80	
DEMAND				125%	100%	80%	100%	125%	85%	0%	100%
FEEDER LOAD (KW)				2.80	10.50	4.02	4.50	0.00	0.00	41.80	



1 POWER PLAN
1/4" = 1'-0"

- NOTES
1. PROVIDE A SEPARATE GROUND WIRE IN ALL CONDUITS.
 2. UNLESS OTHERWISE NOTED, MOUNTING HEIGHTS STATED ARE TO BOTTOM OF DEVICE. STANDARD MOUNTING HEIGHTS ARE:
a. SWITCHES +44"
b. RECEPTACLES +16"
c. DATA OUTLETS +16"
 3. PROVIDE TYPED PANEL DIRECTORIES FOR EACH PANELBOARD.
 4. ALL CIRCUITS ARE 20 AMP, 1 POLE WITH 1/2" CONDUIT AND #12 AWG WIRE, UNLESS NOTED OTHERWISE.
 5. PERSONALLY INSPECT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. FAILURE TO DO SO IS NOT CONSIDERED SUFFICIENT JUSTIFICATION FOR EXTRA COMPENSATION.
 6. COORDINATE ALL WORK WITH OTHER CONTRACTORS TO SCHEDULE INSTALLATION AT THE PROPER TIME, IN THE AVAILABLE SPACE, AND ALLOWING FOR PROPER SERVICE ACCESS TO EQUIPMENT.
 7. DRAWINGS ARE SCHEMATIC IN NATURE, SHOWING COMPONENTS OF THE SYSTEMS AND INDICATING THEIR INTEGRATION WITH OTHER PARTS OF THE BUILDING.
 8. COMPLY WITH NFPA, STATE AND LOCAL BUILDING, AND/OR OTHER APPLICABLE CODES AND ORDINANCES.
 9. OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY THIS WORK.
 10. WARRANTY ALL WORK AND MATERIAL AGAINST DEFECT FOR A PERIOD OF ONE YEAR AFTER FINAL PAYMENT. INCLUDE LABOR TO REPLACE DEFECTIVE MATERIAL IN WARRANTY.
 11. CLEAN ALL EQUIPMENT INSTALLED UNDER THE ELECTRICAL CONTRACT.
 12. CONCEAL CONDUIT WHEREVER POSSIBLE. CONDUIT IS TO COMPLY WITH NEC AND HAVE A MINIMUM SIZE OF 1/2".
 13. PROVIDE EMT CONDUIT IN ALL LOCATIONS UNLESS NOTED OTHERWISE.
 14. COMPLY WITH NEC AND HAVE A MINIMUM SIZE OF #12 AWG WIRING. PROVIDE COPPER CONDUCTORS WITH U.L. LABEL AND 600 VOLT INSULATION OF THHN (DRY LOCATIONS), THWN (WET LOCATIONS), AND THWN OR XHHN FOR SERVICE ENTRANCE.
 15. INSTALL CONDUCTORS IN CONDUIT, UNLESS NOTED OTHERWISE.
 16. PROVIDE GALVANIZED STEEL KNOCKOUT BOXES SUITABLE FOR THE DESIGN THEY SERVE, SPACE THEY OCCUPY, AND SIZE REQUIRED FOR OUTLET, JUNCTION, AND PULL BOXES.
 17. PROVIDE SPECIFICATION GRADE WIRING DEVICES. LIGHT SWITCHES ARE RATED 20 AMPS, GENERAL USE RECEPTACLES ARE RATED 15 AMPS. PROVIDE WHITE NYLON DEVICES AND STAINLESS STEEL COVER PLATES.

