

E-67399

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PROJECT: COLUMBUS ONCOLOGY AND HEMATOLOGY ASSOCIATES 810 JASONWAY AVE. COLUMBUS, OH 43214-2329

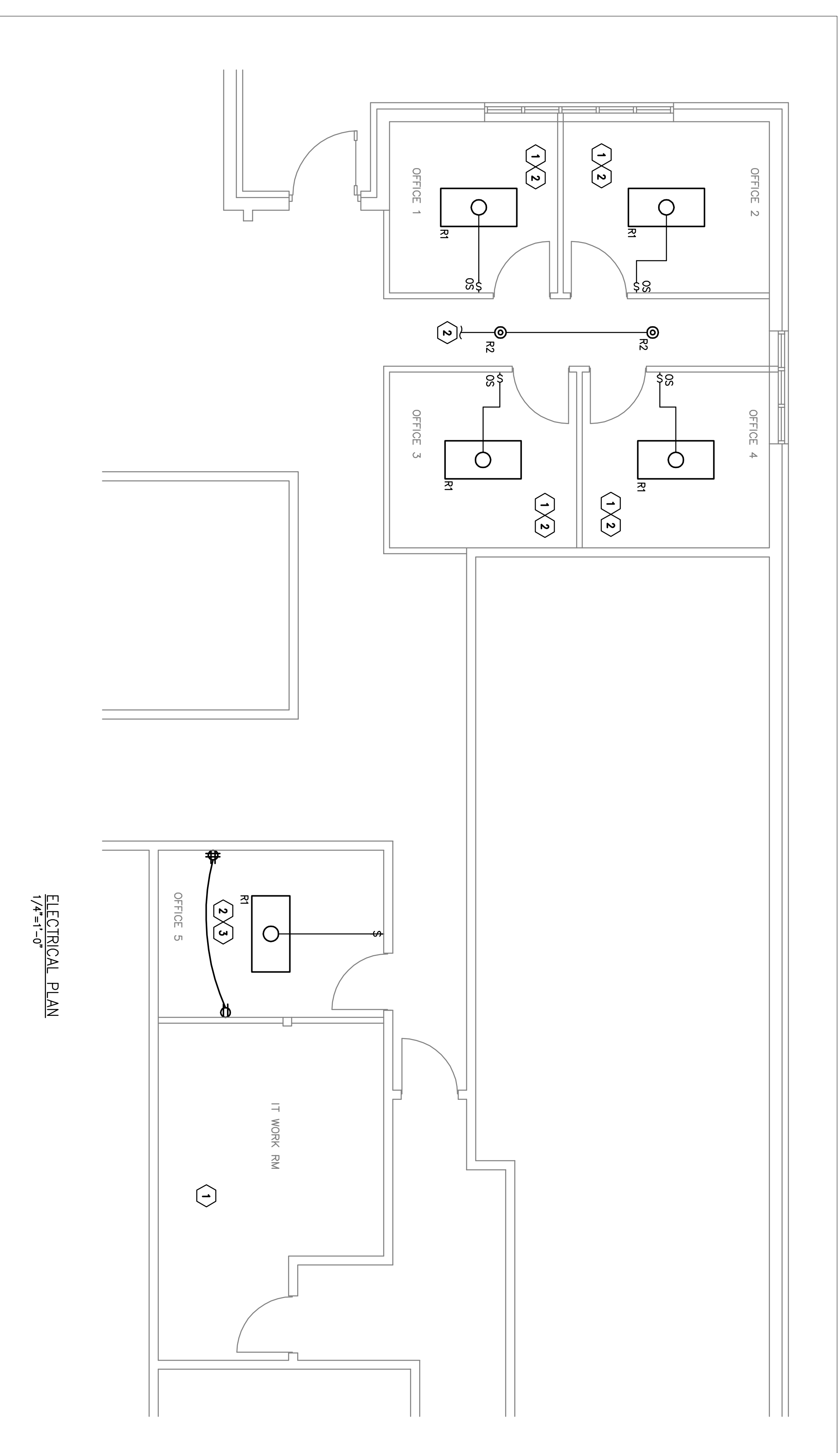
SHEET: ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

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ISSUE / REVISION	DATE

**E1-1**



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

- CODED NOTES:**
- EXISTING RECEPTACLES IN THIS ROOM TO REMAIN IN PLACE
  - CONNECT RELOCATED LIGHT FIXTURES TO EXISTING CIRCUIT IN SPACE
  - EXTEND EXISTING RECEPTACLE CIRCUIT TO NEW DEVICES

LIGHTING FIXTURE SCHEDULE		
TYPE	DESCRIPTION	MANUFACTURER/CATALOG NUMBER
R1	EXISTING 2x4 LAY-IN FLOURESCENT FIXTURE TO BE RELOCATED	F032/735 EXISTING RELOCATED
R2	EXISTING RECESSED DOWNLIGHT TO BE RELOCATED	EXIST RELOCATED

**SYMBOLS**

\$	WALL SWITCH WITH COVER PLATE
\$OS	WALL MOUNTED OCCUPANCY SENSOR (NON DIMMING) WAITSTOPPER- DSM-301
EXIT SIGN WITH EM HEADS	
WALL MTD. EMERGENCY LIGHT FIXTURE	
LAY-IN FLOURESCENT FIXTURE	
RECESSED DOWNLIGHT FIXTURE	
STANDARD DUPLEX, 20A RECEPTACLE	
STANDARD QUADRAPLEX, 20A RECEPTACLE	
COMBINATION VOICE/DATA ROUGH-IN OUTLET	
SURFACE MOUNTED PANEL BOARD	
JUNCTION BOX	
EXISTING TO REMAIN	
EXISTING TO BE RELOCATED	

**ELECTRICAL SPECIFICATIONS**

**PART 1 GENERAL**

1.0 GENERAL

A. THE ELECTRICAL CONTRACTOR SHALL FINISH ALL LABOR, MATERIAL, TOOLS AND EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEMS AND SYSTEMS OF THE BUILDING AS SHOWN ON THE DRAWINGS AND PER THE REQUIREMENTS OF THE ELECTRICAL CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR HIS WORK.

1.1 CODES AND STANDARDS

A. ALL WORK, MATERIAL AND EQUIPMENT SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2017 OHIO BUILDING CODE, THE 2017 NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), O.S.H.A. AND ALL OTHER ENFORCED STATE AND LOCAL CODES.

**PART 2 CONDUIT, WIRE, BOXES AND DEVICES**

2.1 CONDUIT

A. ALL CONDUIT SHALL BE 3/4" MINIMUM EXCEPT WHERE NOTED OTHERWISE. ALL CONDUITS IN FINISHED SPACES SHALL BE CONCEALED.

B. RIGID, INTERMEDIATE GRADE, EMT, ARE PERMITTED FOR WIRING.

2.2 WIRE

A. ALL SINGLE CONDUCTOR POWER WIRE SHALL BE 600 VOLT, THHN OR THHN COPPER CONDUCTORS, METAL CLAD (MC CABLE) IS ALSO PERMITTED.

B. MINIMUM WIRE SIZE SHALL BE #12 AWG, EXCEPT WHERE OTHERWISE NOTED.

C. CONDUCTORS FOR POWER FEEDERS AND BRANCH CIRCUITS SHALL HAVE CONDUCTORS AND FEEDERS TO BE IDENTIFIED AS CALLED OUT FOR IN THE I.E.C. AND SHALL BE CONSISTENT THROUGHOUT.

2.3 BOXES

A. OUTLET AND DEVICE WIRING BOXES SHALL BE SHEET STEEL WITH STAMPED KNOCKOUTS, THREADED SCREW HOLES AND ACCESSORIES FOR EACH LOCATION INCLUDING MOUNTING BRACKETS, STRAPS, CABLE CLAMPS, EXTERIOR RINGS AND THROUGH STUDS.

2.4 DEVICES

A. ALL WIRING DEVICES SHALL BE HEAVY DUTY, SPECIFICATION GRADE AS MANUFACTURED BY BRYANT, HUBBELL, LEVITON OR APPROVED EQUAL. FINISH SHALL BE WHITE UNLESS NOTED OTHERWISE OR SELECTED BY THE OWNER OR ARCHITECT SHALL BE SINGLE POLE OCCUPANCY SENSOR TYPE AS INDICATED.

B. RECEPTACLES SHALL BE DUPLEX 2 POLE, 3-WIRE NEMA 5-20R GROUNDING TYPE RATED 20 AMP, 125VOLT. RECEPTACLE COVER PLATES SHALL MATCH BUILDING STANDARD.

D. ALL DEVICES SHALL BE FLUSH MOUNTED WITH PROPER FITTING PLATES.

**PART 3 GROUNDING**

3.1 GENERAL

A. PROVIDE ALL MATERIALS AND LABOR REQUIRED TO INSTALL AN APPROVED GROUNDING SYSTEM TO A GROUND SOURCE AS DESCRIBED IN N.E.C. 250.

B. GROUND ALL CONDUITS, FIXTURES, RECEPTACLES, MOTORS, PANELS AND OTHER ELECTRICAL EQUIPMENT TO THE GROUNDING SYSTEM AS DESCRIBED IN THE I.E.C. ACCORDANCE WITH ALL PROVISIONS LISTED IN THE I.E.C.

C. PROVIDE AN INSULATED GROUND WIRE IN ALL FEEDER AND BRANCH CIRCUIT CONDUITS.

**PART 4 SYSTEMS**

4.1 TELECOMMUNICATIONS

A. PROVIDE ROUGH-IN FOR TELECOMMUNICATION OUTLETS. ROUGH-INS TO INCLUDE BOX WITH BLANK COVER PLATE AND PULL STRING TO ABOVE ACCESSIBLE CEILING.

**PART 5 LIGHTING**

5.0 LIGHT FIXTURES

A. ALL FIXTURES ARE EXISTING TO BE RELOCATED.

B. FLOURESCENT FIXTURES SHALL HAVE BALLAST DISCONNECTS PER NEC.

C. BATTERY POWERED EXITS AND EMERGENCY FIXTURES ARE EXISTING TO REMAIN.