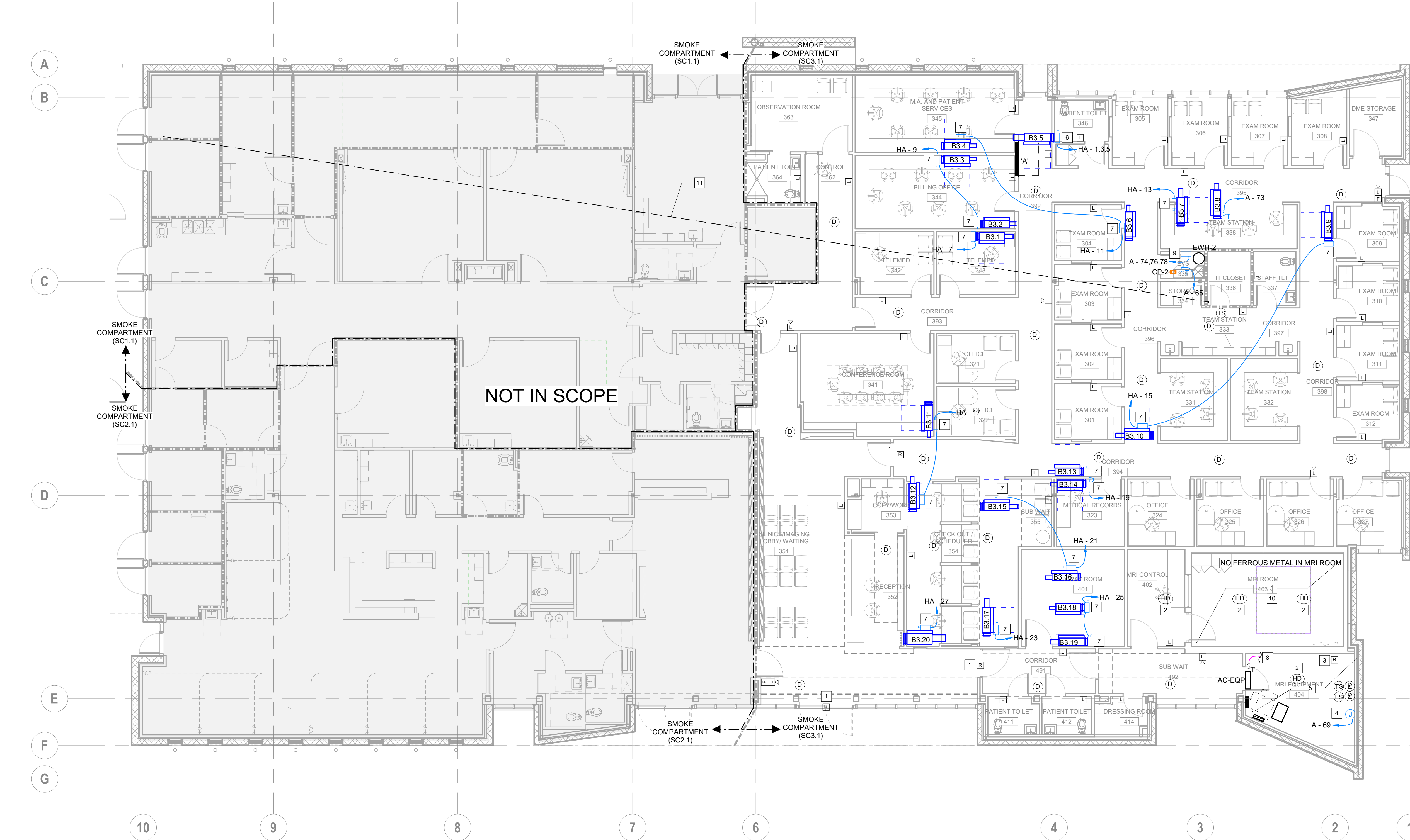




1 ELEC/HVAC - FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES:

- ALL NEW OR MODIFIED CIRCUITS ARE TO BE PROVIDED WITH DEDICATED NEUTRAL CONDUCTORS. THE USE OF SHARED NEUTRALS SHALL NOT BE PERMITTED.
- REFER TO ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS FOR THE LOCATION OF ALL ELECTRICAL DEVICES.
- FIELD COORDINATE THE LOCATION OF ALL DISCONNECT SWITCHES TO PROVIDE SAFE AND ADEQUATE SPACE FOR MAINTENANCE AND TESTING. PROVIDE FUSE PER MANUFACTURER NAMEPLATE RATING.
- ALL FIRE ALARM DEVICES INDICATED ON THESE ENGINEERING DOCUMENTS ARE ONLY FOR INFORMATIONAL PURPOSES ONLY TO REPRESENT THE MINIMUM DESIGN CONCEPT. THIS NOTE IS TO SATISFY STATE OF FL ADMINISTRATIVE CODE 61G15-30.003(3).
- REFER TO PROJECT SPECIFICATIONS AND SUBMIT SHOP DRAWINGS UNDER THE SUPERVISION OF A FLORIDA LICENSED PROFESSIONAL ENGINEER AND STATE LICENSED FIRE ALARM CONTRACTOR AS A DEFERRED SUBMITTAL.
- WHENEVER THE FIRE ALARM SYSTEM SENSES SMOKE/FIRE, THE FIRE ALARM SYSTEM SHALL COMPLETE THE FOLLOWING:
 - THE FIRE ALARM SYSTEM IS TO DE-ENERGIZE THE UNIT AND SHALL PERFORM THE FOLLOWING:
 - SHUTDOWN THE SUPPLY AIR FAN
 - SHUTDOWN THE RETURN AIR FAN
 - SHUTDOWN THE ASSOCIATED EXHAUST FANS
 - THE DCC SYSTEM UIS TO PERFORM THE FOLLOWING UPON A LOSS OF SUPPLY FAN STATUS:
 - CLOSE CHILLED WATER VALVE V-CHW
 - CLOSE THE OUTSIDE AIR DAMPER (D-MIN)
 - OPEN THE RETURN AIR DAMPER (D-RET)
- ALL ELECTRICAL WIRING SHALL COMPLY WITH NEC 517, INCLUDING 517.13 IN PATIENT CARE AREAS.

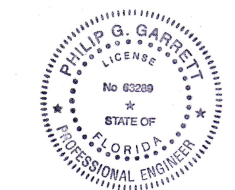
CODED NOTES:

- PROVIDE FIRE ALARM RELAY TO DISENGAGE THE AUTODOOR OPERATOR AND RELEASE LOCKING HARDWARE IN THE EVENT OF A FIRE ALARM.
- HEAT DETECTOR TO BE UL LISTED FOR THE PREACTION FIRE SUPPRESSION SYSTEM PROVIDED. COORDINATE WITH THE FIRE PROTECTION CONTRACTOR TO ENSURE THAT A COMPATIBLE DEVICE IS PROVIDED. DEVICE SHALL BE CONNECTED TO BOTH THE BUILDING FIRE ALARM SYSTEM AND THE PREACTION CONTROLLER.
- PROVIDE FIRE ALARM RELAYS TO MONITOR THE PREACTION SPRINKLER SYSTEM CONTROL PANEL. COORDINATE WITH THE FIRE PROTECTION CONTRACTOR AND VENDOR SHOP DRAWINGS. THE PREACTION SPRINKLER SYSTEM SHALL FUNCTION AS A STAND ALONE SUB-SYSTEM OF THE BUILDING FIRE ALARM SYSTEM AND SHALL REPORT ALL ALARMS TO THE BUILDING SYSTEM FUNCTIONING AS A SINGLE SYSTEM.
- JUNCTION BOX FOR POWER TO PREACTION SYSTEM CONTROL PANEL AND ASSOCIATED AIR COMPRESSOR. REFER TO MANUFACTURERS WIRING DIAGRAM IN ASSOCIATED WITH THE PREACTION SYSTEM SUBMITTAL.
- REFER TO SIEMENS VENDOR DRAWINGS FOR ADDITIONAL ROUGH-IN AND PROVIDE CABLE DIVIDERS ARE REQUIRED TO MAINTAIN SEPARATION OF ALL CABLES BASED ON VOLTAGE/INSULATION RATINGS PER NEC.
- PROVIDE 30A/3P/15A/480V DISCONNECT FOR REHEAT BOX. USE 3#10, 1#10G, 3/4". VERIFY EXACT FUSE SIZE WITH MANUFACTURER.
- PROVIDE 30A/1P/15A/277V DISCONNECT FOR REHEAT BOX. USE 2#10, 1#10G, 3/4". VERIFY EXACT FUSE SIZE WITH MANUFACTURER.
- ELECTRICAL CONTRACTOR IS TO MAKE THE 120V CONNECTION TO THE CONDENSING UNIT ON ROOF. PROVIDE DISCONNECT AS INDICATED.
- PROVIDE 30A/3P/30A/208V DISCONNECT FOR EWH. USE 3#8, 1#10G, 3/4". VERIFY EXACT FUSE SIZE WITH MANUFACTURER.
- ALL WIRING ENTERING THE MRI ROOM TO PASS THROUGH RF FILTER PRIOR TO ENTERING THE MRI ROOM. COORDINATE THE QUANTITY AND TYPE OF RF FILTERS REQUIRED WITH THE SHIELDING VENDOR.
- PROVIDE (2) 1-1/2" CONDUITS UNDERGROUND WITH MINIMUM OF 4" CONCRETE COVERAGE FOR USE IN MEETING SURVIVABILITY REQUIREMENTS OF THE FIRE ALARM SYSTEM. REFER TO FIRE ALARM SYSTEM DETAILS ON DETAILS SHEET E802A.



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SEAL



This seal has been digitally signed
and sealed by Philip D. Garrett on
the date indicated on the seal.
Printed copies of this document are
not considered signed and sealed
and the signature must be verified
on any electronic copies.

Digitally signed by Philip D. Garrett
DN: cn=Philip Garrett, email=garrett@ictthomasson.com,
ou=Engineering, o=I.C. Thomasson Associates, Inc., ou=Florida
Digital ID=phdgarrett, c=US
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DEUK SPINE
INSTITUTE
Surgery Center at Millenia, LLC

Hunton Brady
ARCHITECTS

DATE	SUBMISSION	NO
12.12.2023	CONSTRUCTION DOCUMENTS	
05.19.2026	CCD NO. 1	1
08.07.2026	CCD #2R	2

ELEC/HVAC & FIRE ALARM FLOOR PLAN

PROJ. NO. H-23016.00
DRAWN RC SHEET

E410B

WALL LEGEND	
-----	SMOKE PARTITION - SEAL ALL OPENINGS
-----	1-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
-----	1-HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
-----	2-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
-----	2-HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
-----	3-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
-----	3-HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
-----	4-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
-----	4-HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
WALLS WITH THE ABOVE SYMBOLS SHALL BE PROTECTED BY AN APPROVED UL LISTED FIRE DAMPER AND/OR COMBINATION DAMPER OR DAMPER AS APPROPRIATE. ALL PENING AND CONDUIT PENETRATIONS OF THE SAME WALLS SHALL ALSO BE APPROPRIATELY PROTECTED.	

