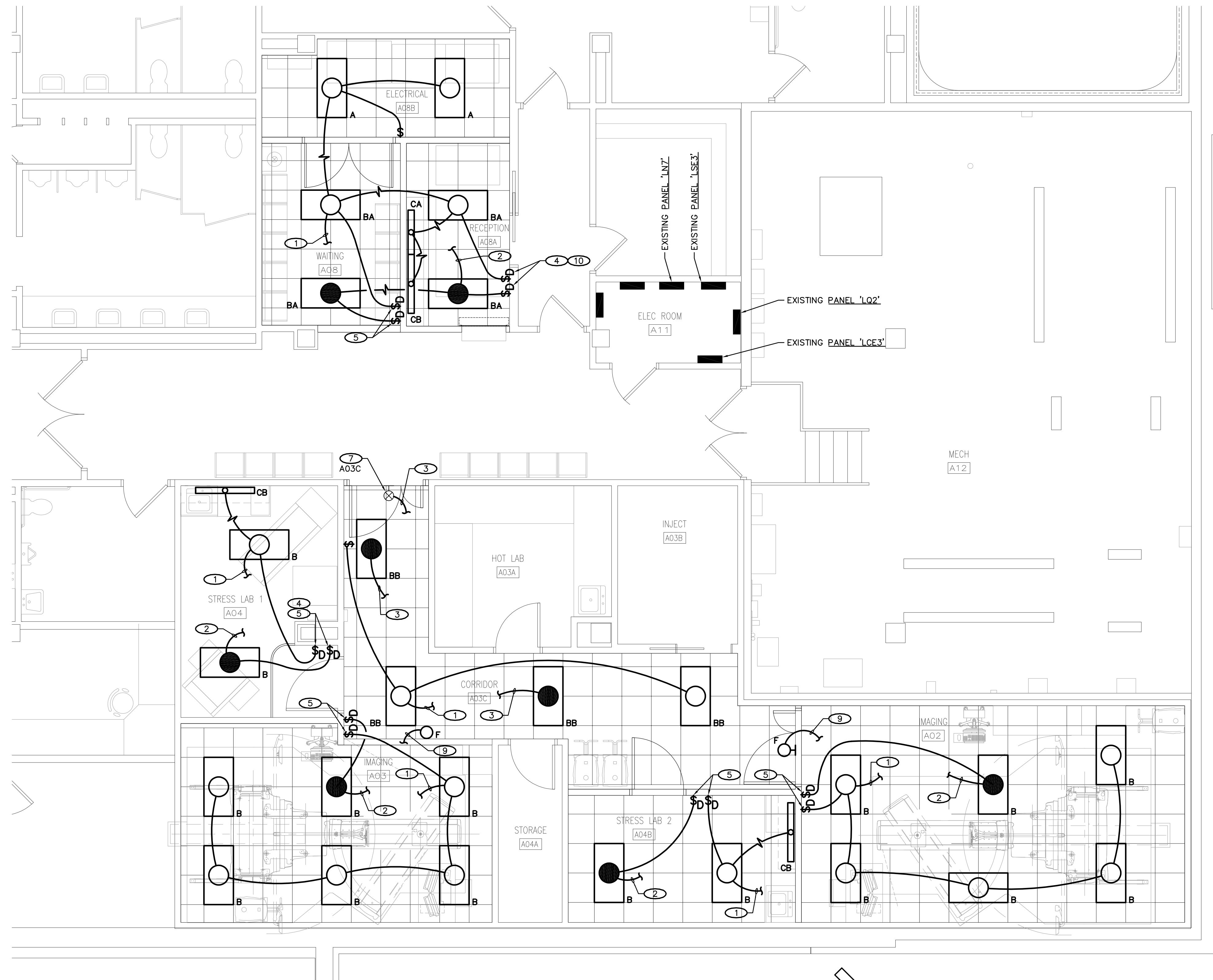
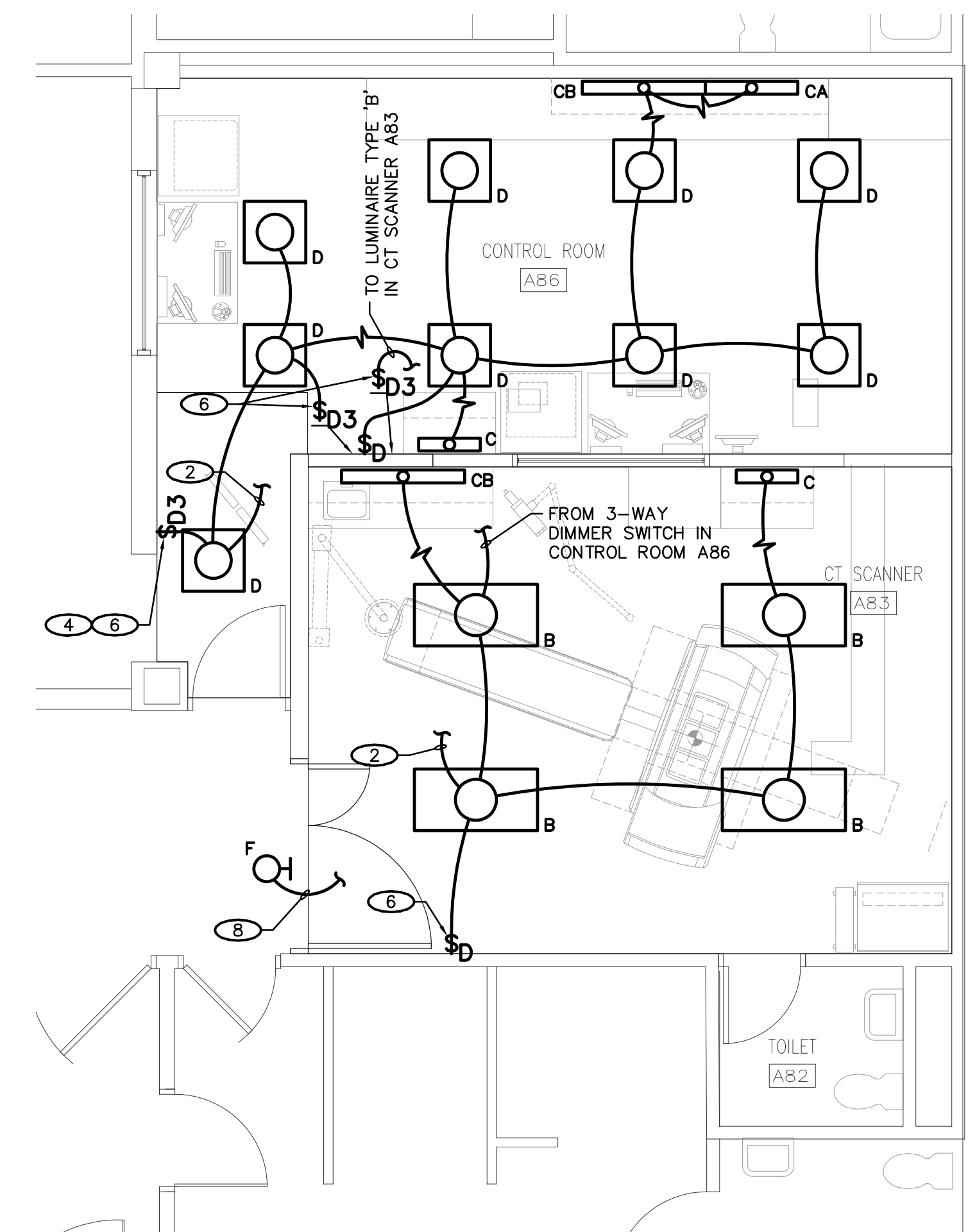


ELECTRICAL KEYNOTES: (○)

- 1 CONNECT EXISTING UNSWITCHED, NORMAL LIGHTING CIRCUIT PRESERVED AT PREVIOUS, APPROXIMATE LUMINAIRE LOCATION.
- 2 CONNECT EXISTING UNSWITCHED, EMERGENCY LIGHTING CIRCUIT (CRITICAL) PRESERVED AT PREVIOUS, APPROXIMATE LUMINAIRE LOCATION.
- 3 CONNECT EXISTING UNSWITCHED, EMERGENCY LIGHTING CIRCUIT (LIFE SAFETY) PRESERVED AT PREVIOUS, APPROXIMATE LUMINAIRE LOCATION.
- 4 REMOVE EXISTING SINGLE POLE SWITCH(ES) AND INSTALL DEVICES IN EXISTING BACKBOX.
- 5 PROVIDE 0-10V WALL BOX DIMMER COMPATIBLE WITH LED LOAD TO BE CONTROLLED. DIMMER SHALL BE PRESET SWITCH WITH SLIDE ADJUSTABLE DIMMING FROM 1% TO 100% OF CONNECTED LUMINAIRE LUMEN OUTPUT. SWITCH SHALL HAVE POSITIVE OFF POSITION.
- 6 PROVIDE 3-WAY, 0-10V WALL BOX DIMMER COMPATIBLE WITH LED LOAD TO BE CONTROLLED. DIMMER SHALL BE PRESET SWITCH WITH SLIDE ADJUSTABLE DIMMING FROM 1% TO 100% OF CONNECTED LUMINAIRE LUMEN OUTPUT. SWITCH SHALL HAVE POSITIVE OFF POSITION.
- 7 RELOCATED, EXISTING SALVAGED LUMINAIRE FROM PREVIOUS ROOM NOTED.
- 8 PROVIDE CONNECTIONS FOR THE 'X-RAY IN USE' LUMINAIRE TO THE PDC OR LINE CONNECTION BOX PER SIEMENS FINAL SITE PREPARATION SUPPORT DOCUMENTS.
- 9 PROVIDE CONNECTIONS FOR THE 'X-RAY IN USE' LUMINAIRE TO THE WARNING LIGHT CONTROL BOX AND CT GANTRY PER GE HEALTHCARE FINAL SITE PREPARATION SUPPORT DOCUMENTS.
- 10 PROVIDE 0-10V WALL BOX DIMMER COMPATIBLE WITH LED LOAD TO BE CONTROLLED. SWITCH SHALL HAVE PASSIVE INFRARED OCCUPANCY SENSOR FOR MANUAL (LAST NON-ZERO STATE) OR AUTOMATIC 'ON' FEATURE. DIMMER SHALL HAVE PRESET 'ON' LEVEL OPTION WITH UP/DOWN BUTTONS ADJUSTABLE DIMMING FROM 1% TO 100% OF CONNECTED LUMINAIRE LUMEN OUTPUT.



2F NUCLEAR MEDICINE AREA LIGHTING PLAN  
SCALE: 1/4" = 1'-0"



8C CT SCANNER AREA LIGHTING PLAN  
SCALE: 1/4" = 1'-0"

BID DOCUMENTS	10/10/2018
CONSTRUCTION DOCUMENTS 100% SUBMITTAL - UPDATE	9/28/2018
CONSTRUCTION DOCUMENTS 100% SUBMITTAL	9/7/2018
DESIGN DEVELOPMENT 90% SUBMITTAL	8/3/2018
SCHEMATIC DESIGN 36% SUBMITTAL 2	7/5/2018
SCHEMATIC DESIGN 35% SUBMITTAL	6/6/2018
Revisions:	Date:

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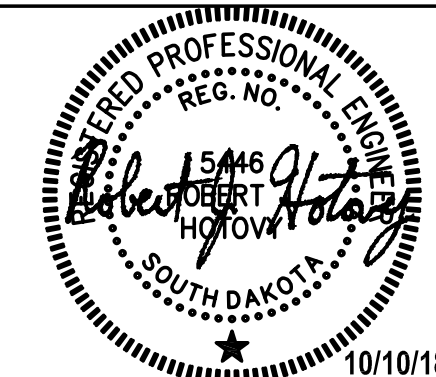
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STAMP



Office of  
Construction  
and Facilities  
Management



Drawing Title

Lighting Plans

Approved: Project Director

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

Second CT Scanner  
Site Prep Design

Location  
Sioux Falls, SD

Issue Date  
October 10, 2018

Checked  
RJH

Drawn  
DMM

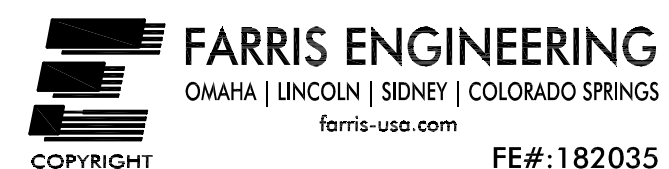
Project Number

438-18-103

Building Number  
5

Drawing Number

EL101



A

B

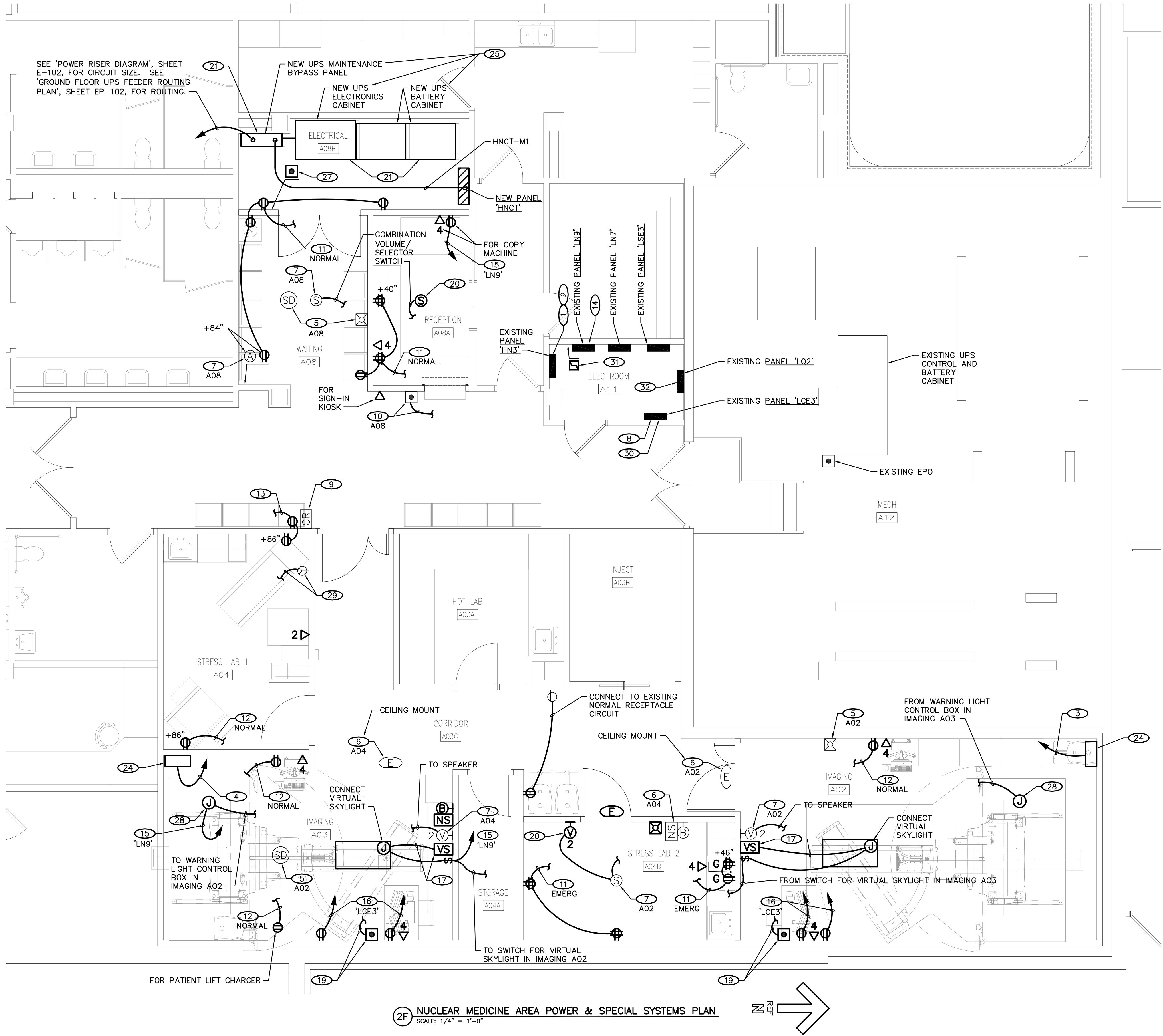
C

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E

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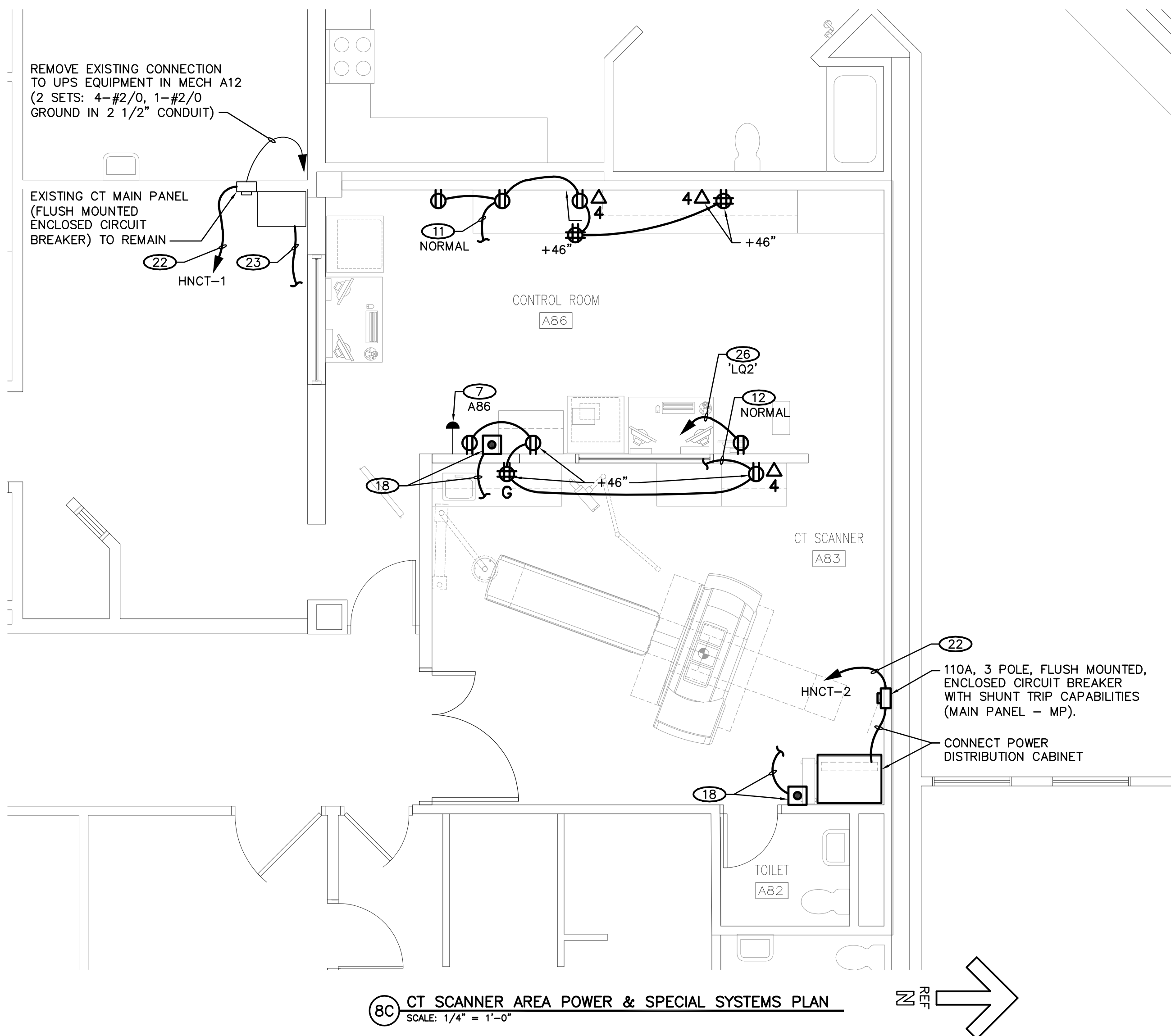
DISTRIBUTION PANEL 'HNCT'				
277/480 VOLT, 3 PHASE, 4 WIRE		500 AMP MAIN BREAKER		
FULL NEUTRAL		600 AMP BUS		
WALL MOUNTED		65,000 AIC RATING		
CKT NO.	C/B TRIP	LOAD	EMD KVA	WIRE SIZE/CONDUIT SIZE
M1	500/3	MAIN BREAKER		2 SETS: 4-250 KCMIL, 1-250 KCMIL GRD., 3" CONDUIT
1	110/3	EXIST. CT SCANNER - CT SCANNER A37		4-#1, 1-#1 GRD., 2" CONDUIT
2	110/3	NEW CT SCANNER - CT SCANNER A83		4-#1, 1-#1 GRD., 2" CONDUIT



2F NUCLEAR MEDICINE AREA POWER & SPECIAL SYSTEMS PLAN  
SCALE: 1/4" = 1'-0"

ELECTRICAL KEYNOTES:

- REPLACE EXISTING 100 AMP, 3 POLE, SPARE CIRCUIT BREAKER WITH A NEW 30 AMP, 3 POLE CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL (GE, NHB). RETURN REMOVED CIRCUIT BREAKER TO THE COR. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING.
- PROVIDE A 30 AMP, 3 POLE CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL (GE, NHB) AND INSTALL IN AVAILABLE SPACE. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING.
- CONNECT 30 AMP, 3 POLE CIRCUIT BREAKER ADDED TO PANEL 'HN3' BY KEYNOTE 1 WITH 4-#6, 1-#6 GROUND IN 1 1/4" CONDUIT.
- CONNECT 30 AMP, 3 POLE CIRCUIT BREAKER ADDED TO PANEL 'HN3' BY KEYNOTE 2 WITH 4-#6, 1-#6 GROUND IN 1 1/4" CONDUIT.
- RELOCATED, EXISTING SALVAGED, FIRE ALARM (FA) SYSTEM DEVICE FROM PREVIOUS ROOM NOTED. PROVIDE NEW CIRCUITING TO MATCH EXISTING THAT IS COMPATIBLE WITH EXISTING FA SYSTEM AND CONNECT EXISTING SYSTEM CIRCUITING PRESERVED AT PREVIOUS DEVICE LOCATION.
- RELOCATED, EXISTING SALVAGED, NURSE CALL SYSTEM DEVICE FROM PREVIOUS ROOM NOTED. PROVIDE NEW CIRCUITING TO MATCH EXISTING THAT IS COMPATIBLE WITH EXISTING NURSE CALL SYSTEM AND CONNECT EXISTING SYSTEM CIRCUITING PRESERVED AT PREVIOUS DEVICE LOCATION.
- RELOCATED, EXISTING SALVAGED, SOUND/COMMUNICATION SYSTEM DEVICE FROM PREVIOUS ROOM NOTED. PROVIDE NEW CIRCUITING TO MATCH EXISTING THAT IS COMPATIBLE WITH SOUND/COMMUNICATION SYSTEM AND CONNECT EXISTING SYSTEM CIRCUITING PRESERVED AT PREVIOUS DEVICE LOCATION.
- REPLACE TWO EXISTING 30 AMP, 2 POLE, CIRCUIT BREAKERS AT CIRCUIT POSITIONS 18 AND 22 WITH FOUR NEW 20 AMP, SINGLE POLE CIRCUIT BREAKERS COMPATIBLE WITH EXISTING PANEL (GE, NLAB). RETURN REMOVED CIRCUIT BREAKER TO THE COR. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING.
- RELOCATED, EXISTING SALVAGED, SECURITY SYSTEM DEVICE. PROVIDE NEW CIRCUITING TO MATCH EXISTING THAT IS COMPATIBLE WITH EXISTING ACCESS CONTROL SYSTEM AND CONNECT EXISTING SYSTEM CIRCUITING PRESERVED AT PREVIOUS DEVICE LOCATION.
- RELOCATED, EXISTING SALVAGED, WALL MOUNTED, DOORBELL PUSHBUTTON. PROVIDE NEW CIRCUITING TO MATCH EXISTING THAT IS COMPATIBLE WITH EXISTING DOORBELL SYSTEM AND CONNECT EXISTING SYSTEM CIRCUITING PRESERVED AT PREVIOUS DEVICE LOCATION.
- CONNECT EXISTING 20 AMP CIRCUIT BREAKER (DEDICATED) IN NORMAL OR EMERGENCY (EMERG) PANEL SERVING THIS AREA MADE SPARE BY DEMOLITION WORK.
- CONNECT EXISTING NORMAL OR EMERGENCY RECEPTACLE CIRCUIT AS INDICATED IN THIS AREA WITH CAPACITY CREATED BY THE DEMOLITION OF ADJACENT RECEPTACLES.
- CONNECT TO PREVIOUS RECEPTACLE CIRCUIT SERVING THIS SPACE. SEE KEYNOTE 16, SHEET ED01.
- PROVIDE THREE NEW 20 AMP, SINGLE POLE CIRCUIT BREAKERS COMPATIBLE WITH EXISTING PANEL (GE, NLAB) AND INSTALL IN AVAILABLE SPACE. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING.
- CONNECT 20 AMP, SINGLE POLE CIRCUIT BREAKER (DEDICATED) ADDED IN PANEL INDICATED BY KEYNOTE 14 VIA FILTER AND SURGE PROTECTIVE DEVICE (KEYNOTE 31).
- CONNECT 20 AMP, SINGLE POLE CIRCUIT BREAKER (DEDICATED) ADDED IN PANEL INDICATED BY KEYNOTE 8.
- INSTALL AND CONNECT VIRTUAL SKYLIGHT CONTROLLER FURNISHED AS PART OF VIRTUAL SKYLIGHT EQUIPMENT. WALL MOUNT TOUCHSCREEN CONTROLLER PER MANUFACTURER'S RECOMMENDATIONS. FIELD VERIFY MOUNTING HEIGHT.
- PROVIDE EMERGENCY POWER 'OFF' (EPO) DEVICE. PROVIDE RED 'MUSHROOM' HEAD, SHUNT TRIP PUSHBUTTON WITH GUARD TO PREVENT ACCIDENTAL ACTIVATION. CONNECT TO MAIN DISCONNECT PANEL. COORDINATE FINAL LOCATION OF EPO DEVICE WITH THE VA COR AND TYPE TO BE CAPABLE OF FUNCTION/OPERATION AS REQUIRED WHEN CONNECTED PER GE HEALTHCARE FINAL SITE PREPARATION SUPPORT DOCUMENTS.
- PROVIDE EMERGENCY POWER 'OFF' (EPO) DEVICE. PROVIDE RED 'MUSHROOM' HEAD, SHUNT TRIP PUSHBUTTON WITH GUARD TO PREVENT ACCIDENTAL ACTIVATION. CONNECT TO MAIN DISCONNECT PANEL. COORDINATE FINAL LOCATION OF EPO DEVICE WITH THE VA COR AND TYPE TO BE CAPABLE OF FUNCTION/OPERATION AS REQUIRED WHEN CONNECTED PER GE HEALTHCARE FINAL SITE PREPARATION SUPPORT DOCUMENTS.
- PROVIDE EMERGENCY POWER 'OFF' (EPO) DEVICE. PROVIDE RED 'MUSHROOM' HEAD, SHUNT TRIP PUSHBUTTON WITH GUARD TO PREVENT ACCIDENTAL ACTIVATION. CONNECT TO MAIN DISCONNECT PANEL. COORDINATE FINAL LOCATION OF EPO DEVICE WITH THE VA COR AND TYPE TO BE CAPABLE OF FUNCTION/OPERATION AS REQUIRED WHEN CONNECTED PER GE HEALTHCARE FINAL SITE PREPARATION SUPPORT DOCUMENTS.
- RELOCATED, EXISTING SALVAGED, SPECIAL RECEPTACLE (FOR TREADMILL). CONNECT TO BRANCH CIRCUIT SERVING DEVICE AT PREVIOUS LOCATION. SEE KEYNOTE 17, SHEET ED01 FOR EXISTING LOCATION.
- REPLACE EXISTING 30 AMP, 2 POLE, CIRCUIT BREAKER AT CIRCUIT POSITION 21 WITH A NEW 20 AMP, 2 POLE CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL (GE, NLAB). RETURN REMOVED CIRCUIT BREAKER TO THE COR. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING.
- PROVIDE POWER FILTER AND SURGE PROTECTION DEVICE EQUAL TO EATON INNOVATIVE TECHNOLOGY MODEL ITG12030. INSTALL DEVICE IN JUNCTION BOX ADJACENT TO PANEL 'LN9'. SIZE JUNCTION BOX PER THE N.E.C. FOR THE DEVICE, AND LINE AND LOAD CONNECTIONS. PROVIDE LABEL AFFIXED TO JUNCTION BOX COVER INDICATING 'IMAGING ROOMS VIDEO SKYLIGHT'.
- PROVIDE ONE NEW 20 AMP, SINGLE POLE CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL (GE, NLAB) AND INSTALL IN AVAILABLE SPACE. NEW CIRCUIT BREAKER AIC RATING SHALL MATCH EXISTING.



8C CT SCANNER AREA POWER & SPECIAL SYSTEMS PLAN  
SCALE: 1/4" = 1'-0"

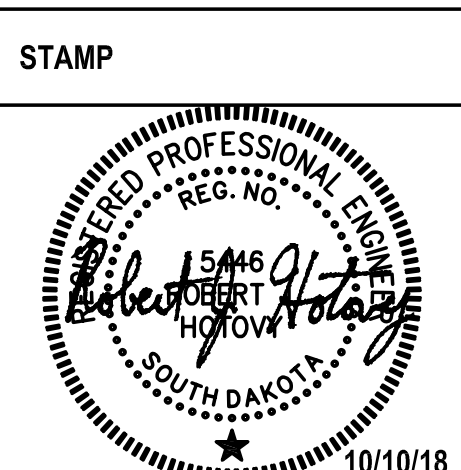
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Drawing Title	Power & Special Systems Plans
Approved: Project Director	

Phase	BID DOCUMENTS
FULLY SPRINKLERED	

Project Title	Second CT Scanner Site Prep Design
Location	Sioux Falls, SD
Issue Date	October 10, 2018
Checked	RJH
Drawn	DMM

Project Number	438-18-103
Building Number	5
Drawing Number	EP101

