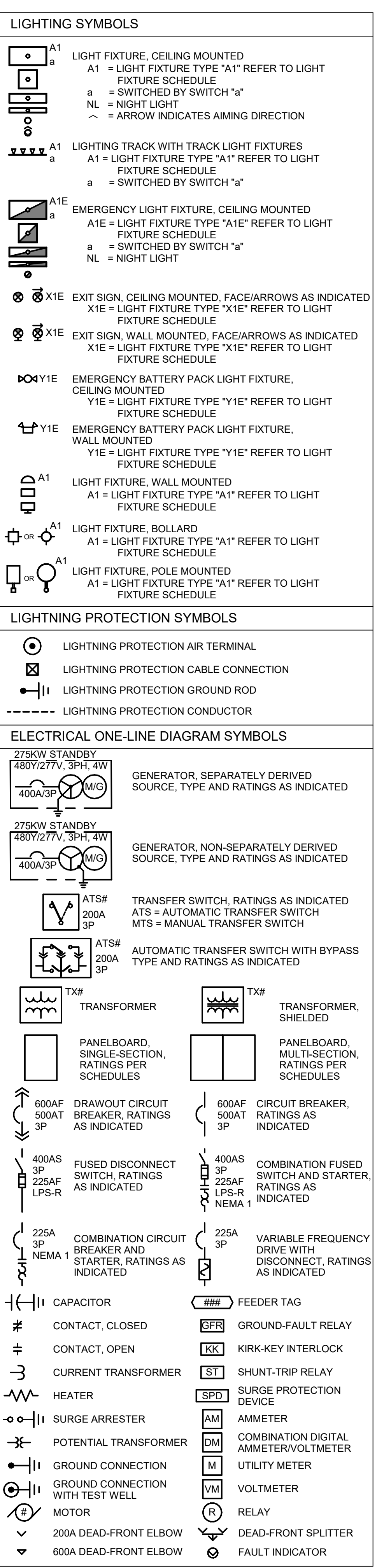
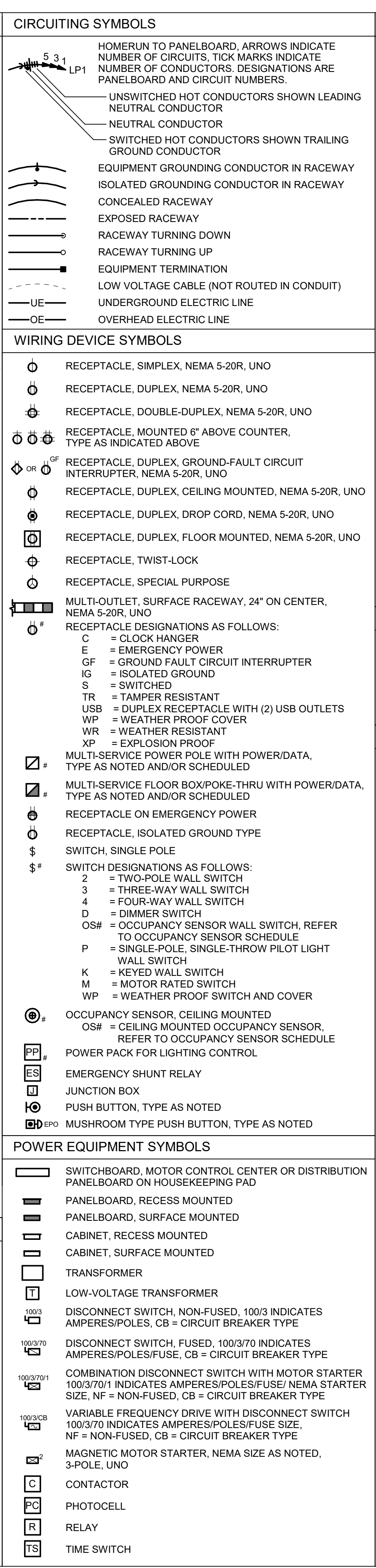


three-eighths inch = one foot
one-half inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

ABBREVIATIONS table with columns for symbol, description, and standard mounting heights. Includes sections for ANNOTATION and STANDARD MOUNTING HEIGHTS.



Revision # and Date table with columns for revision number and date.

CONSULTANT INFORMATION section listing Structural, Mechanical/Electrical, and Fire Protection engineers.

ARCHITECT section featuring SPUR DESIGN logo and contact information for the architect.

Office of Construction and Facilities Management logo and U.S. Department of Veteran Affairs affiliation.

SHEET TITLE ELECTRICAL LEGEND and APPROVED: PROJECT DIRECTOR section.

PROJECT PHASE BID DOCUMENTS and FULLY SPRINKLERED section.

PROJECT TITLE RENOVATE A & B WING BLDG 6, PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622, and drawing number 6-E-000.

VA PROJECT NUMBER 589-A5-19-116, BUILDING NUMBER 6, DRAWING NUMBER 6-E-000, and Dwg. 122 OF 160.

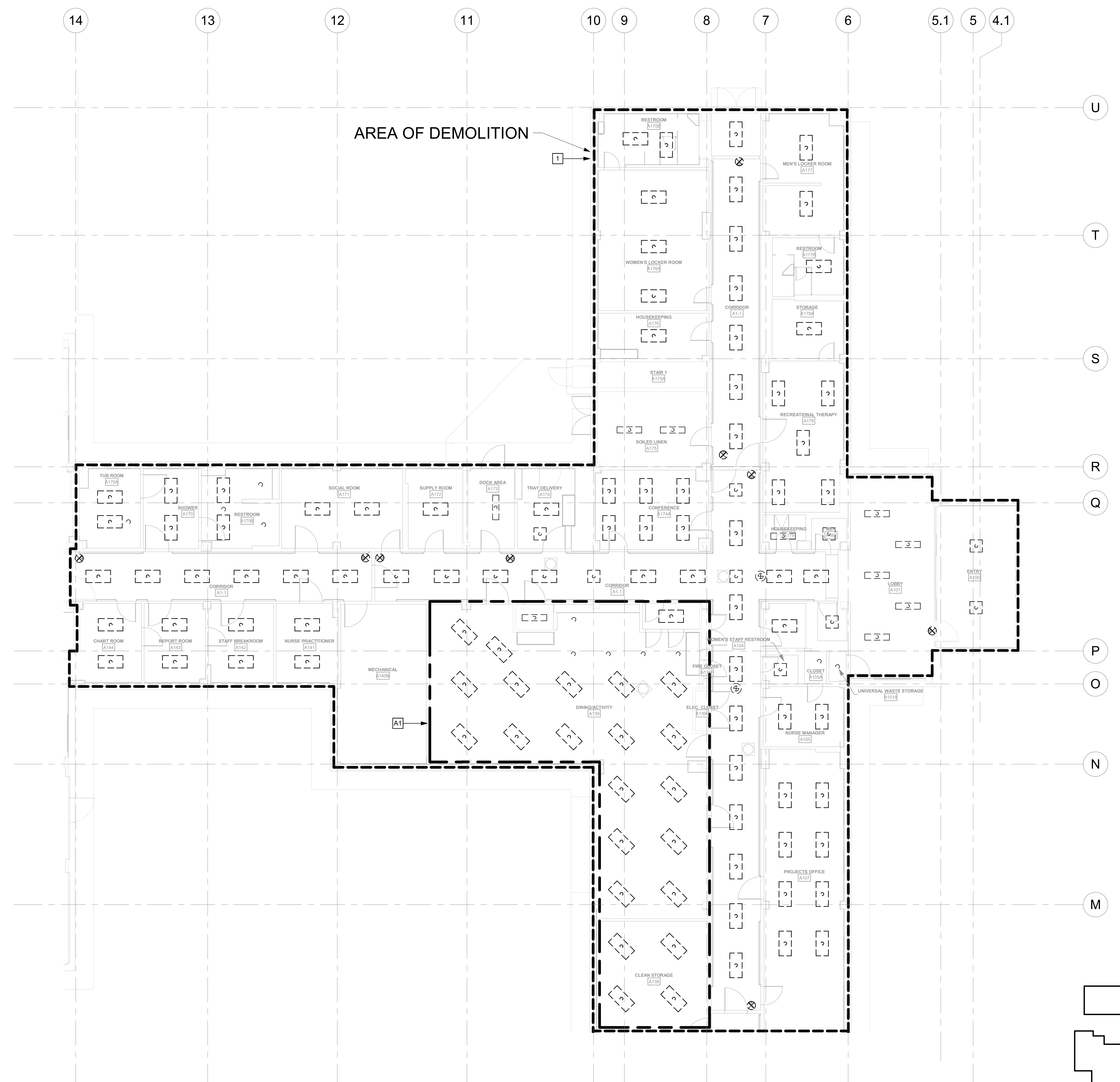
- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
  6. THE DEMOLITION DRAWINGS ARE DEEMED SCHEMATIC AND BASED OFF OF AVAILABLE INFORMATION AND MAY NOT REPRESENT ALL DEVICES/EQUIPMENT REQUIRED FOR DEMOLITION. FIELD VERIFY ALL EXISTING DEMOLITION WORK PRIOR TO SUBMISSION OF PROPOSAL.

**DEDUCT ALTERNATE & PHASING:**  
 ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.  
 IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

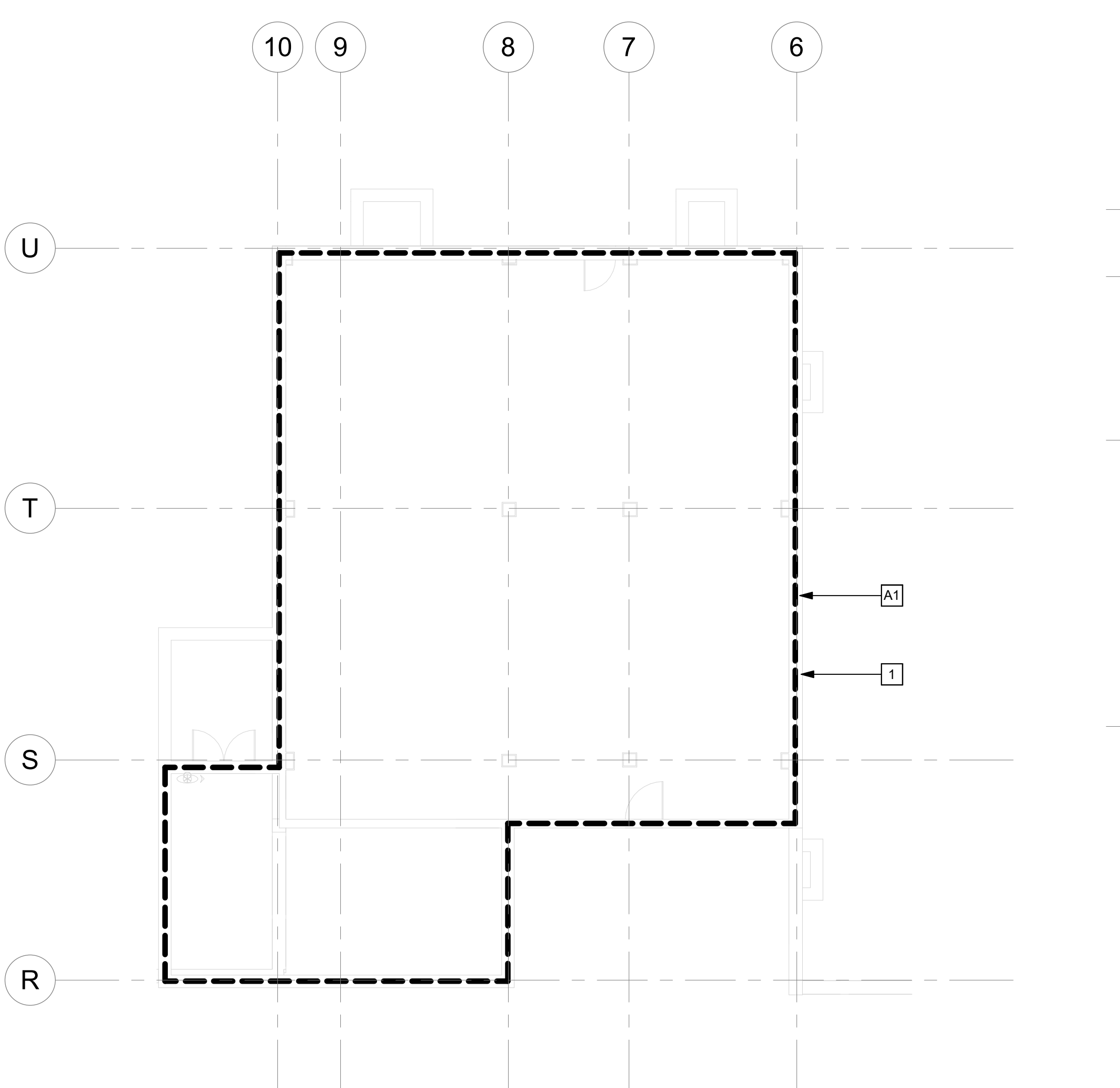
- ELECTRICAL PLAN NOTES:**
1. REMOVE ALL LIGHT FIXTURES, LIGHTING CONTROLS AND CIRCUIT CONDUCTORS BACK TO THE PANELBOARDS WITHIN THE AREA OF WORK.

**DEDUCT ALTERNATE NOTES:**

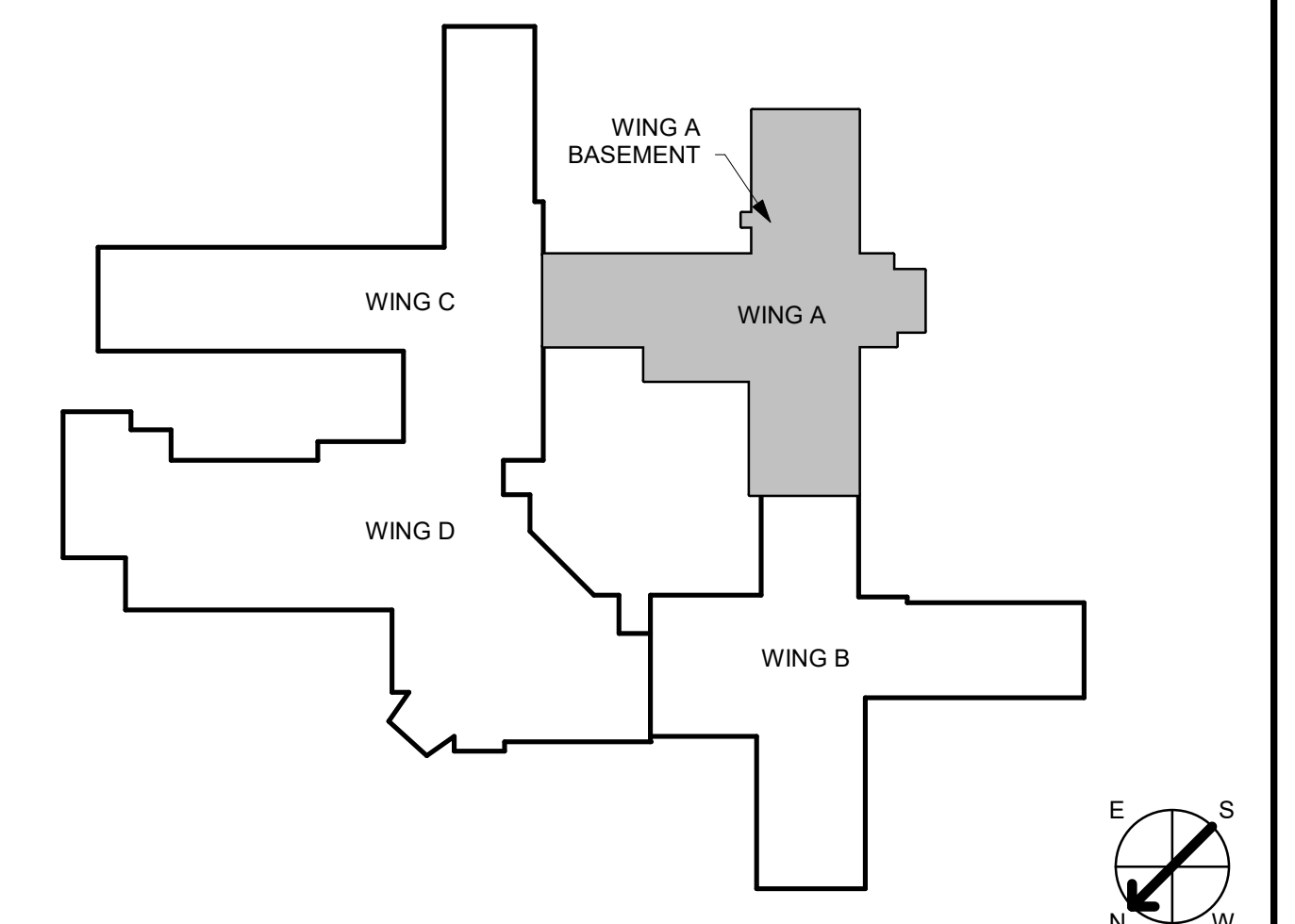
- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT DEMOLITION OF ALL CIRCUITING, LIGHTING, AND LIGHTING CONTROLS OUTSIDE OF THE AREA SHOWN. DEMOLISH ALL LIGHTING AND LIGHTING CONTROLS WITHIN THE AREA SHOWN. TRACE CIRCUIT TO CLOSEST FIXTURE OR CIRCUIT NOT BEING REMOVED. REMOVE ALL CIRCUITING BACK TO THIS POINT. IF CIRCUIT ONLY FEEDS LIGHTS BEING DEMOLISHED, DEMOLISH CIRCUITING BACK TO PANELBOARD AND UPDATE PANELBOARD TO REFLECT "SPARE".



**1** ELECTRICAL LIGHTING DEMOLITION PLAN - A WING  
 1/8" = 1'-0"

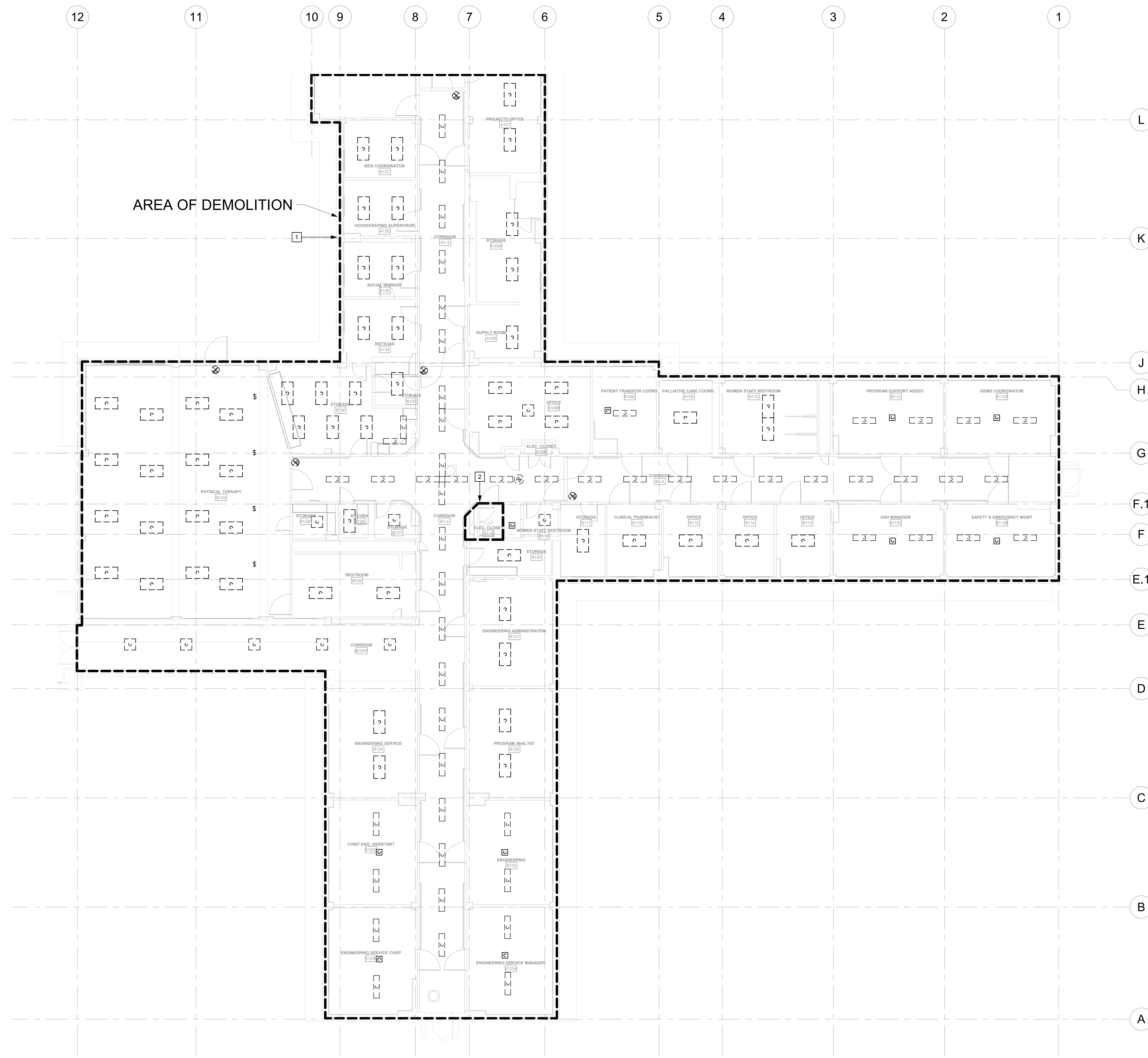


**2** ELECTRICAL LIGHTING DEMOLITION PLAN - BASEMENT  
 1/8" = 1'-0"



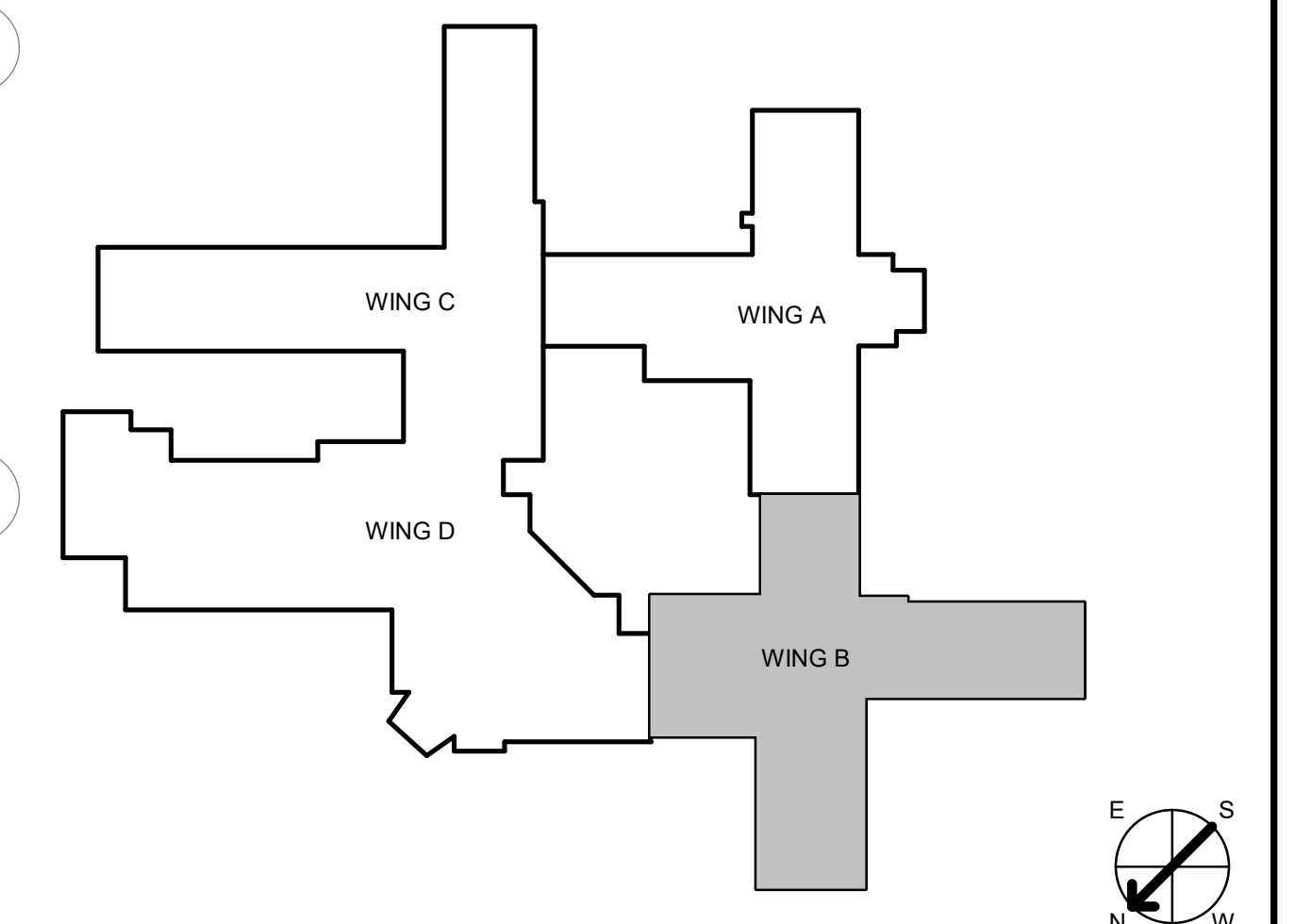
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER FIRE PROTECTION ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169 SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100 POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b>  312 SW 23th Street Overland Park, KS 66150 (913) 214-2169 11020 King Street, Suite 350 Overland Park, KS 66210 (405) 842-6100  KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE <b>ELECTRICAL LIGHTING DEMOLITION PLAN - A WING</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> <b>FULLY SPRINKLERED</b>		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION <b>2200 SW GAGE BLVD          TOPEKA, KS 66622</b>		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-ELD101A</b> Dwg. 123 OF 160	
Revision #      Date		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>								


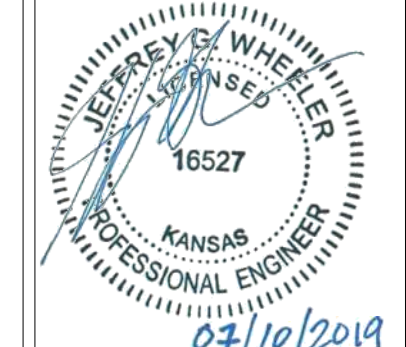
three eighths inch = one foot  
 one eighth inch = one foot  
 one quarter inch = one foot  
 three eighths inch = one foot  
 one half inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 two inches = one foot  
 three inches = one foot  
 four inches = one foot  
 five inches = one foot  
 six inches = one foot  
 seven inches = one foot  
 eight inches = one foot  
 nine inches = one foot  
 ten inches = one foot  
 eleven inches = one foot  
 twelve inches = one foot



- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
  6. THE DEMOLITION DRAWINGS ARE DEEMED SCHEMATIC AND BASED OFF OF AVAILABLE INFORMATION AND MAY NOT REPRESENT ALL DEVICES/EQUIPMENT REQUIRED FOR DEMOLITION. FIELD VERIFY ALL DEMOLITION WORK PRIOR TO SUBMISSION OF PROPOSAL.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- ELECTRICAL PLAN NOTES:**
1. REMOVE ALL LIGHT FIXTURES, LIGHTING CONTROLS, CIRCUIT CONDUCTORS AND LIGHTING CIRCUIT CONDUIT BACK TO THE PANELBOARDS WITHIN THE AREA OF WORK.
  2. ELECTRICAL CLOSET TO REMAIN UNTIL LIGHTING POWER CAN BE RELOCATED FOR THE EXISTING PHYSICAL THERAPY ROOM.

1 ELECTRICAL LIGHTING DEMOLITION PLAN - B WING  
 1/8" = 1'-0"



<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  513 SW 23rd Street Overland Park, KS 66150 spur-design.com 10303 Ford Street, Suite 300 Overland Park, KS 66150 spur-design.com		<b>Office of Construction and Facilities Management</b>  VA U.S. Department of Veteran Affairs		SHEET TITLE <b>ELECTRICAL LIGHTING DEMOLITION PLAN - B WING</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-ELD101B</b> Dwg. 124 OF 160	
Revision #      Date		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>											

GENERAL NOTES:

1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
2. SEE SHEET 6-GI-001 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
6. THE DEMOLITION DRAWINGS ARE DEEMED SCHEMATIC AND BASED OFF OF AVAILABLE INFORMATION AND MAY NOT REPRESENT ALL DEVICES/EQUIPMENT REQUIRED FOR DEMOLITION. FIELD VERIFY ALL EXISTING DEMOLITION WORK PRIOR TO SUBMISSION OF PROPOSAL.

DEDUCT ALTERNATE & PHASING:

ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.

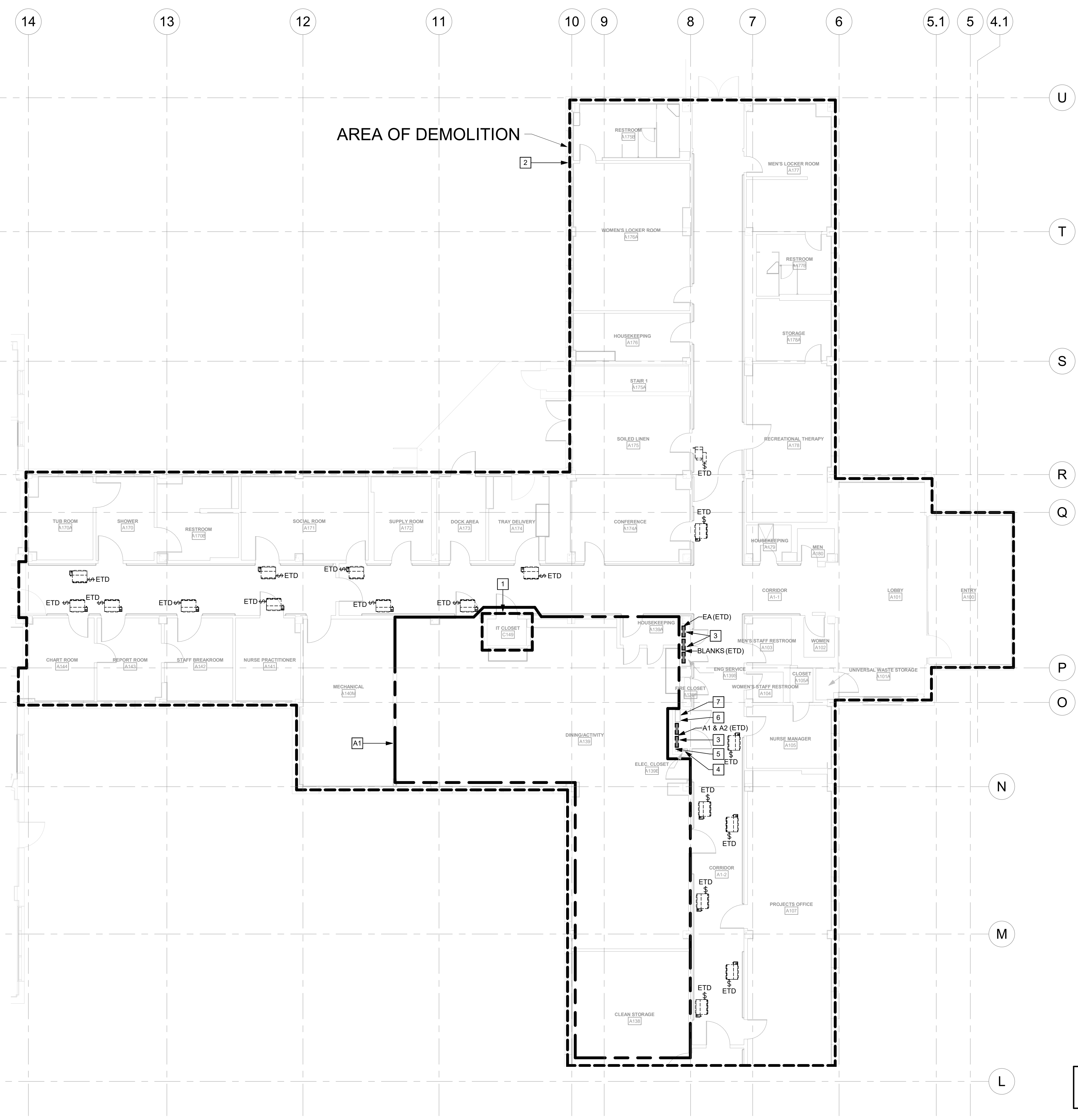
IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

ELECTRICAL PLAN NOTES:

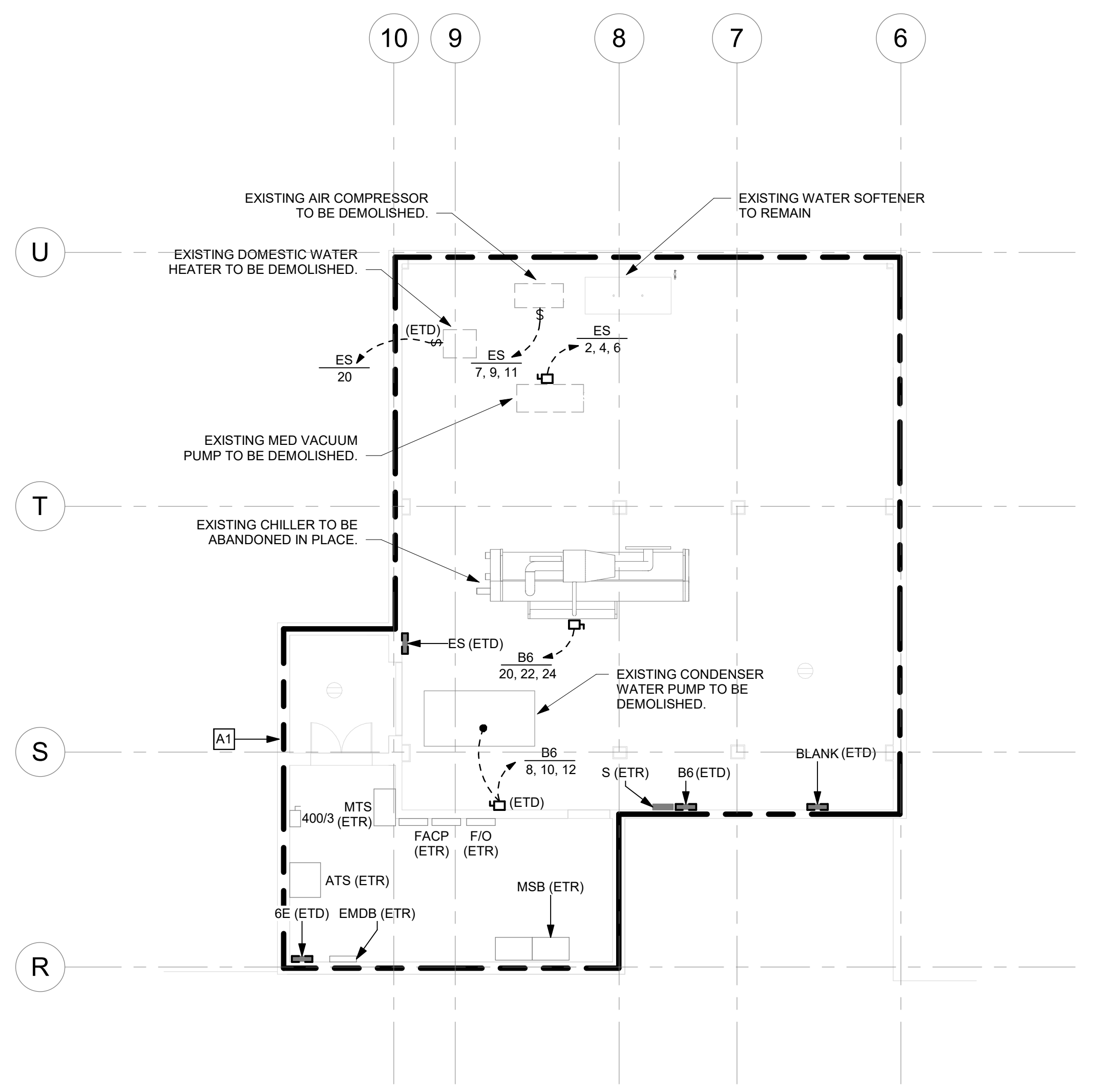
1. EXISTING IT ROOM AND EQUIPMENT TO REMAIN. THIS ROOM IS TO REMAIN OPERATIONAL THROUGHOUT THE PERIOD OF WORK. EXISTING INFRASTRUCTURE EXTENDING FROM THIS ROOM, THROUGH B WING AND SERVING OTHER SPACES IS TO REMAIN INTACT AND OPERATIONAL. PHASE DEMOLITION OF EXISTING POWER AND PROVISION OF NEW POWER TO MINIMIZE DOWN TIME. COORDINATE WITH VA COR AND VA O&T.
2. REMOVE ALL EXISTING ELECTRICAL POWER DEVICES AND CIRCUIT CONDUCTORS BACK TO THE PANELBOARDS WITHIN THE AREA OF WORK.
3. REMOVE EXISTING PANELBOARD AND FEEDER BACK TO THE UPSTREAM DISTRIBUTION EQUIPMENT.
4. EXISTING WALL MOUNTED BAS DATA SWITCH TO REMAIN. PROTECT EQUIPMENT DURING CONSTRUCTION.
5. EXISTING WALL MOUNTED DATA ENCLOSURE TO REMAIN. PROTECT EQUIPMENT DURING CONSTRUCTION.
6. EXISTING WALL MOUNTED CAMDEX SECURITY ENCLOSURE TO REMAIN. PROTECT EQUIPMENT DURING CONSTRUCTION.
7. EXISTING WALL MOUNTED FIBER TERMINATION UNIT TO REMAIN. PROTECT EQUIPMENT DURING CONSTRUCTION.

DEDUCT ALTERNATE NOTES:

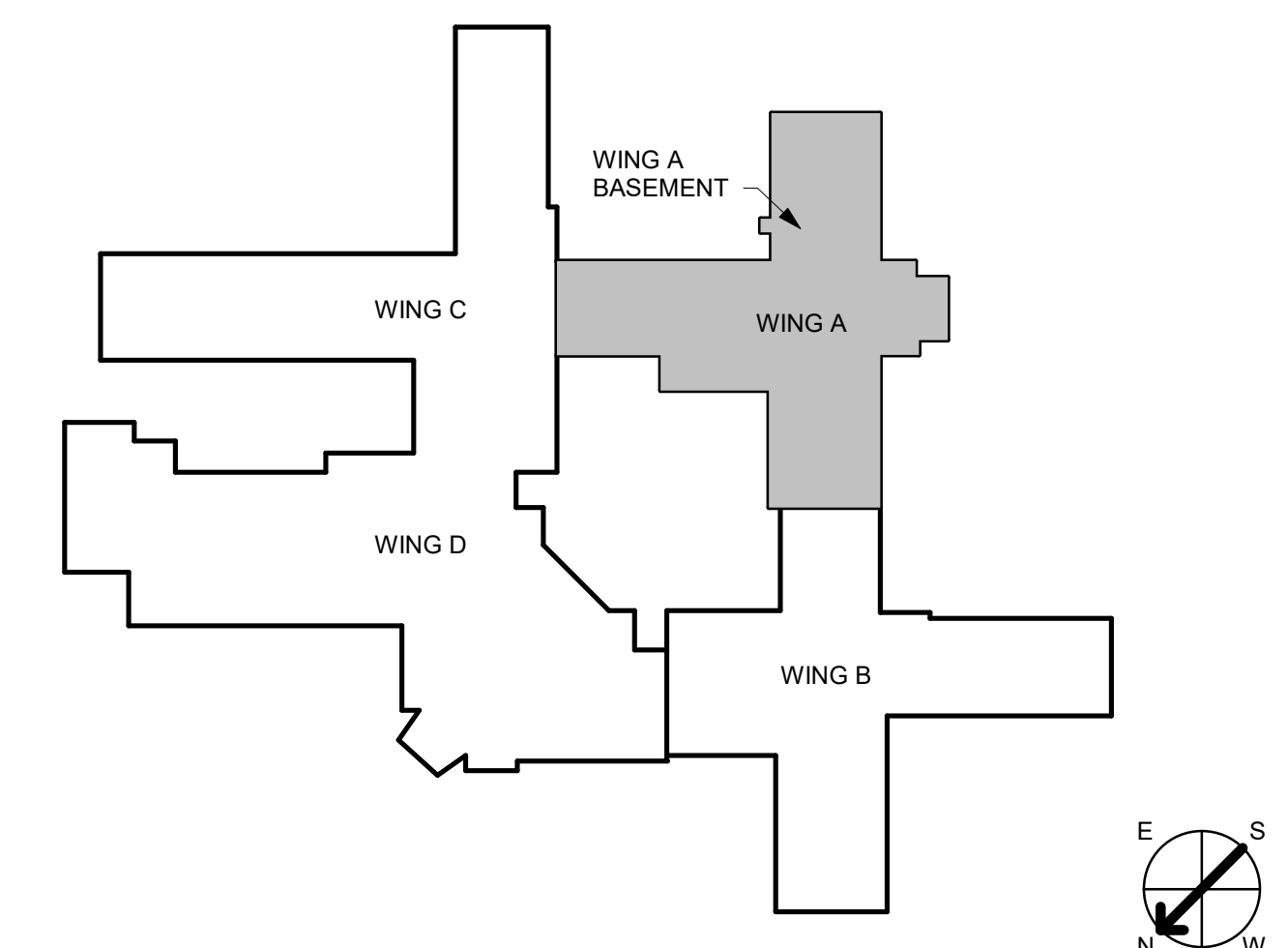
- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT DEMOLITION OF ALL CIRCUITING, RECEPTACLES, AND OTHER ELECTRICAL DEVICES OUTSIDE OF THE AREA SHOWN. DEMOLISH ALL CIRCUITS WITHIN THE AREA SHOWN BACK TO PANELBOARD FED FROM. UPDATE PANELBOARD SCHEDULE TO REFLECT "SPARE".



1 ELECTRICAL POWER DEMOLITION PLAN - A WING  
1/8" = 1'-0"



2 ELECTRICAL POWER DEMOLITION PLAN - BASEMENT  
1/8" = 1'-0"



<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC.			<b>ARCHITECT</b>  312 SW 23rd Street, Overland Park, KS 66209 913) 214-2169		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs		SHEET TITLE: ELECTRICAL POWER DEMOLITION PLAN - A WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-EPD101A Dwg. 125 OF 160	
DATE: 07/10/2019 CHECKED BY: BEN		DRAWN BY: ABM		REVISION # _____ DATE _____										

GENERAL NOTES:

1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
2. SEE SHEET 6-GH-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
6. THE DEMOLITION DRAWINGS ARE DEEMED SCHEMATIC AND BASED OFF OF AVAILABLE INFORMATION AND MAY NOT REPRESENT ALL DEVICES/EQUIPMENT REQUIRED FOR DEMOLITION. FIELD VERIFY ALL EXISTING DEMOLITION WORK PRIOR TO SUBMISSION OF PROPOSAL.

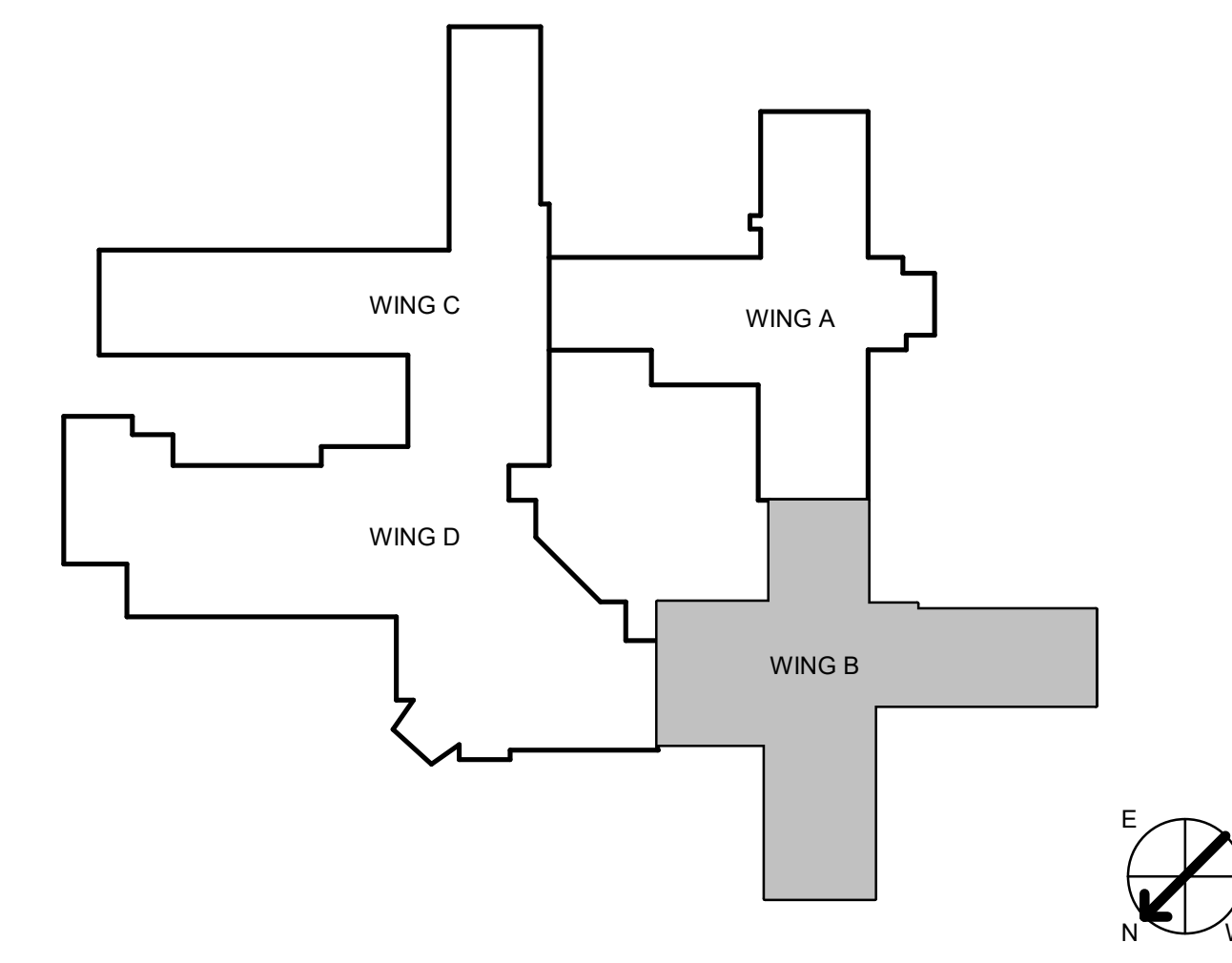
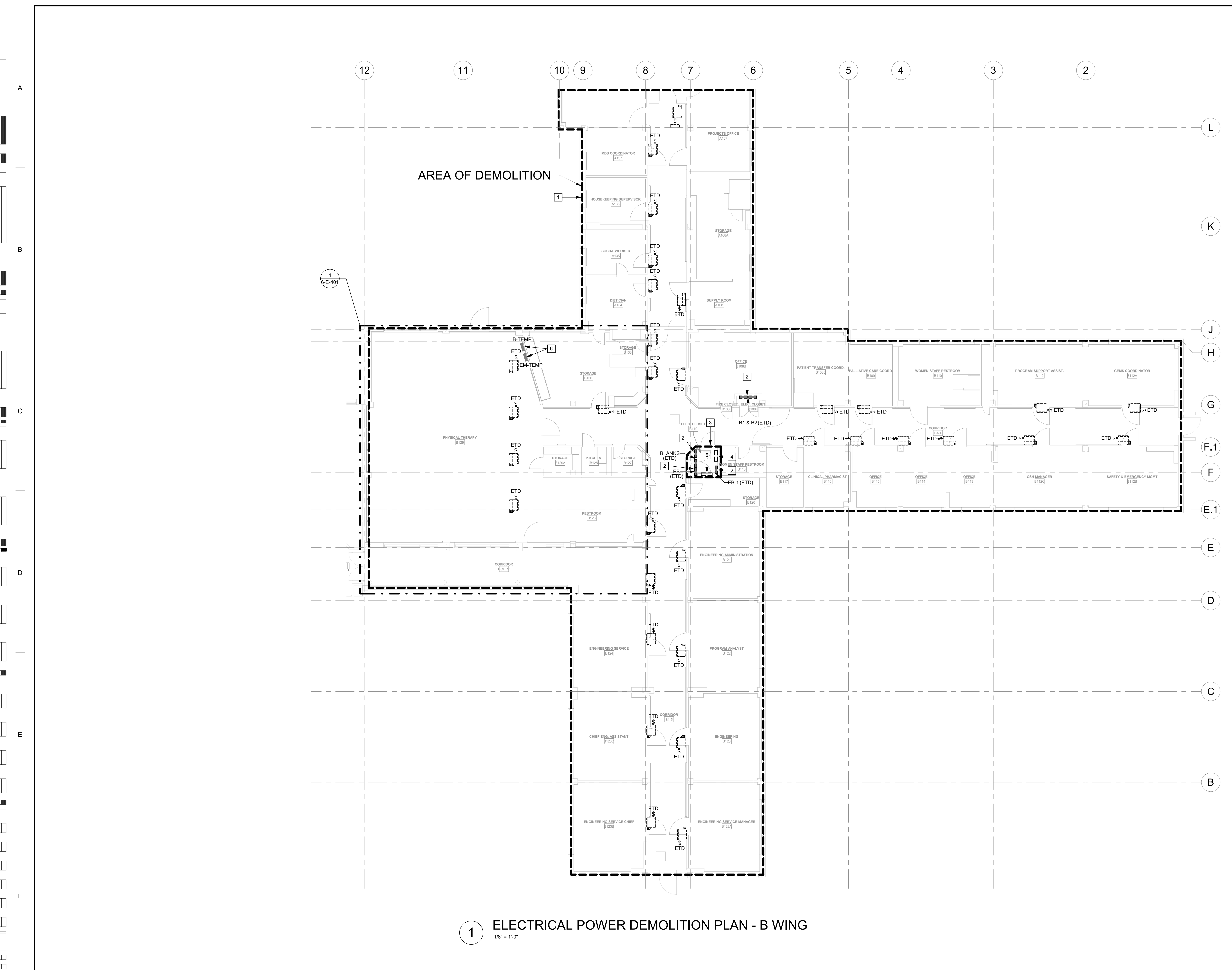
DEDUCT ALTERNATE & PHASING:

ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GH-102.

IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GH-105.

ELECTRICAL PLAN NOTES:

1. REMOVE ALL EXISTING ELECTRICAL POWER DEVICES, CIRCUIT CONDUCTORS AND POWER CIRCUIT CONDUIT BACK TO THE PANELBOARD WITHIN THE AREA OF WORK.
2. REMOVE EXISTING PANELBOARD AND FEEDER BACK TO THE UPSTREAM DISTRIBUTION EQUIPMENT.
3. ELECTRICAL CLOSET TO REMAIN UNTIL POWER CAN BE RELOCATED FOR THE EXISTING PHYSICAL THERAPY ROOM.
4. DISCONNECT AND REMOVE POWER TO PUBLIC ADDRESS SYSTEM ENCLOSURE AFTER ENCLOSURE HAS BEEN RELOCATED. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
5. DISCONNECT AND REMOVE POWER TO NURSE CALL SYSTEM PANEL AFTER PANEL HAS BEEN RELOCATED. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
6. PROVIDE TEMPORARY PANELBOARD AS PART OF PHASE #2. REFER TO 6-EP101B FOR ADDITIONAL INFORMATION.



1 ELECTRICAL POWER DEMOLITION PLAN - B WING  
 1/8" = 1'-0"

**CONSULTANT INFORMATION**

<b>STRUCTURAL / CIVIL ENGINEER</b> STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	<b>MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER</b> SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	<b>FIRE PROTECTION ENGINEER</b> POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (813) 829-8650
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**ARCHITECT**

**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

SHEET TITLE <b>ELECTRICAL POWER DEMOLITION PLAN - B WING</b>	PROJECT PHASE <b>BID DOCUMENTS</b>
APPROVED: PROJECT DIRECTOR	FULLY SPRINKLERED

PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b>	VA PROJECT NUMBER <b>589-A5-19-116</b>
PROJECT LOCATION <b>2200 SW GAGE BLVD TOPEKA, KS 66622</b>	BUILDING NUMBER <b>6</b>
DATE <b>07/10/2019</b>	DRAWING NUMBER <b>6-EPD101B</b>
CHECKED BY <b>BEN</b>	Dwgs. <b>126 OF 160</b>
DRAWN BY <b>ABM</b>	

**GENERAL NOTES:**

1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
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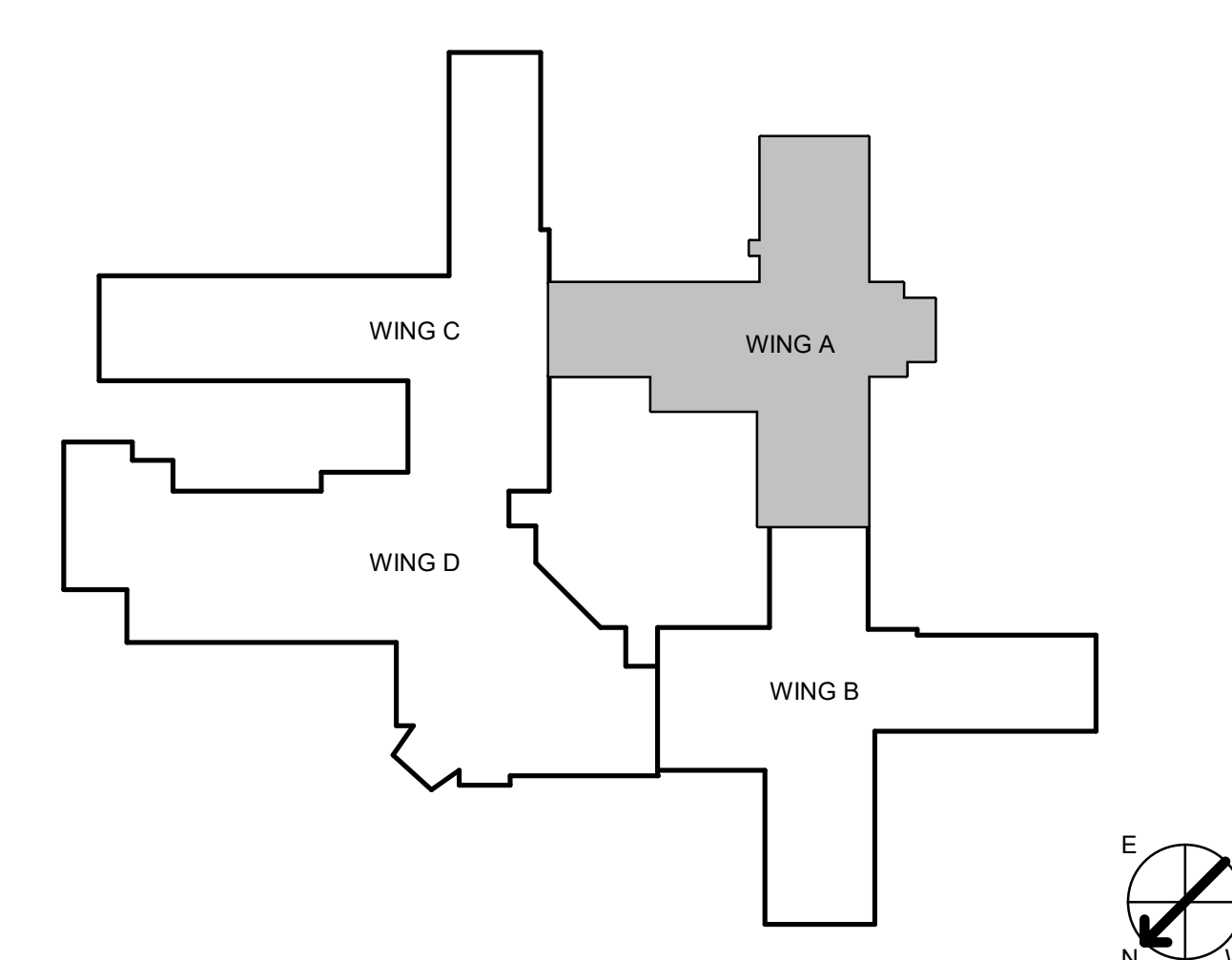
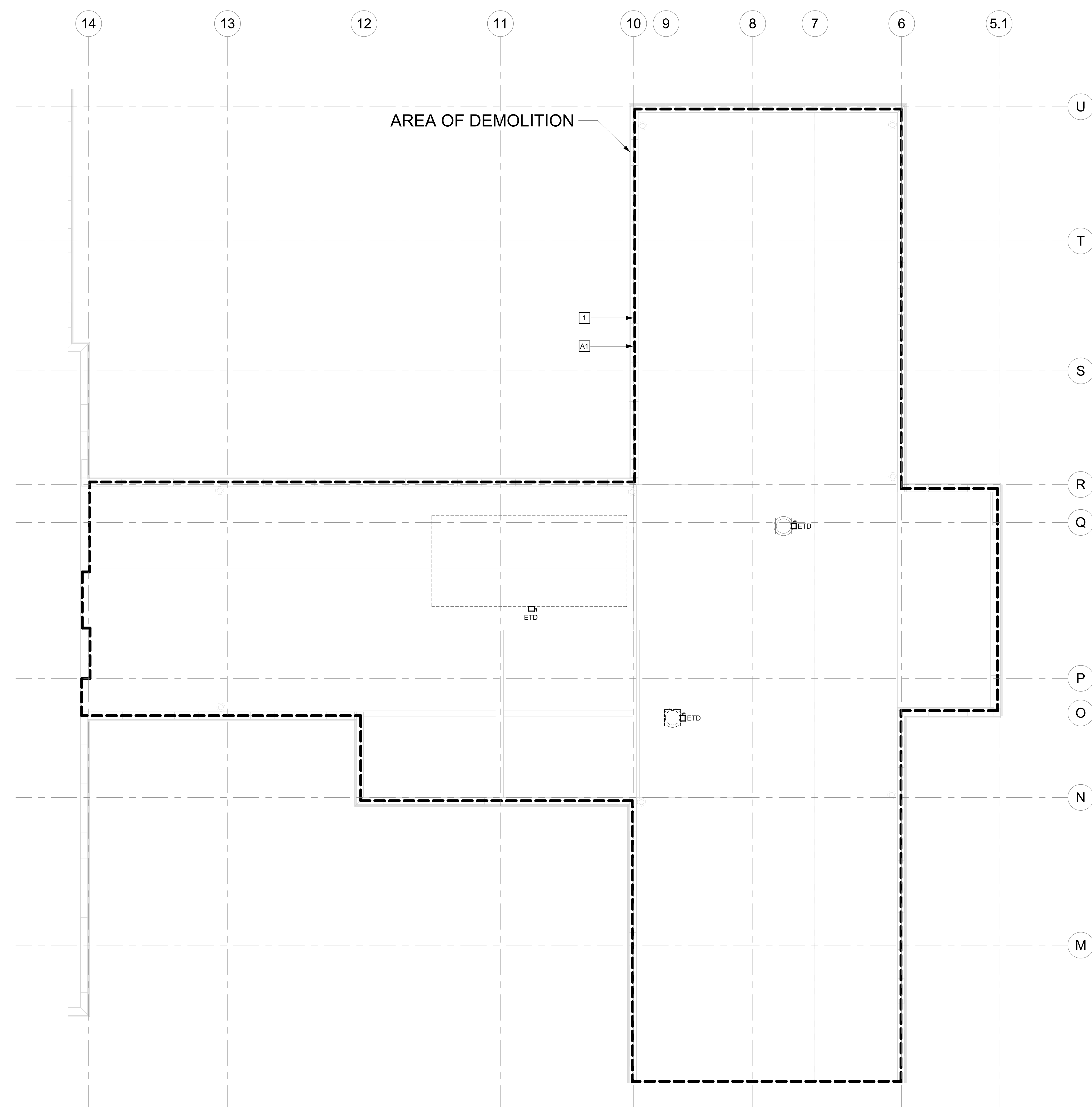
IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

**ELECTRICAL PLAN NOTES:**

1. REMOVE ALL EXISTING ELECTRICAL POWER DEVICES AND CIRCUIT CONDUCTORS BACK TO THE PANELBOARDS WITHIN THE AREA OF WORK.

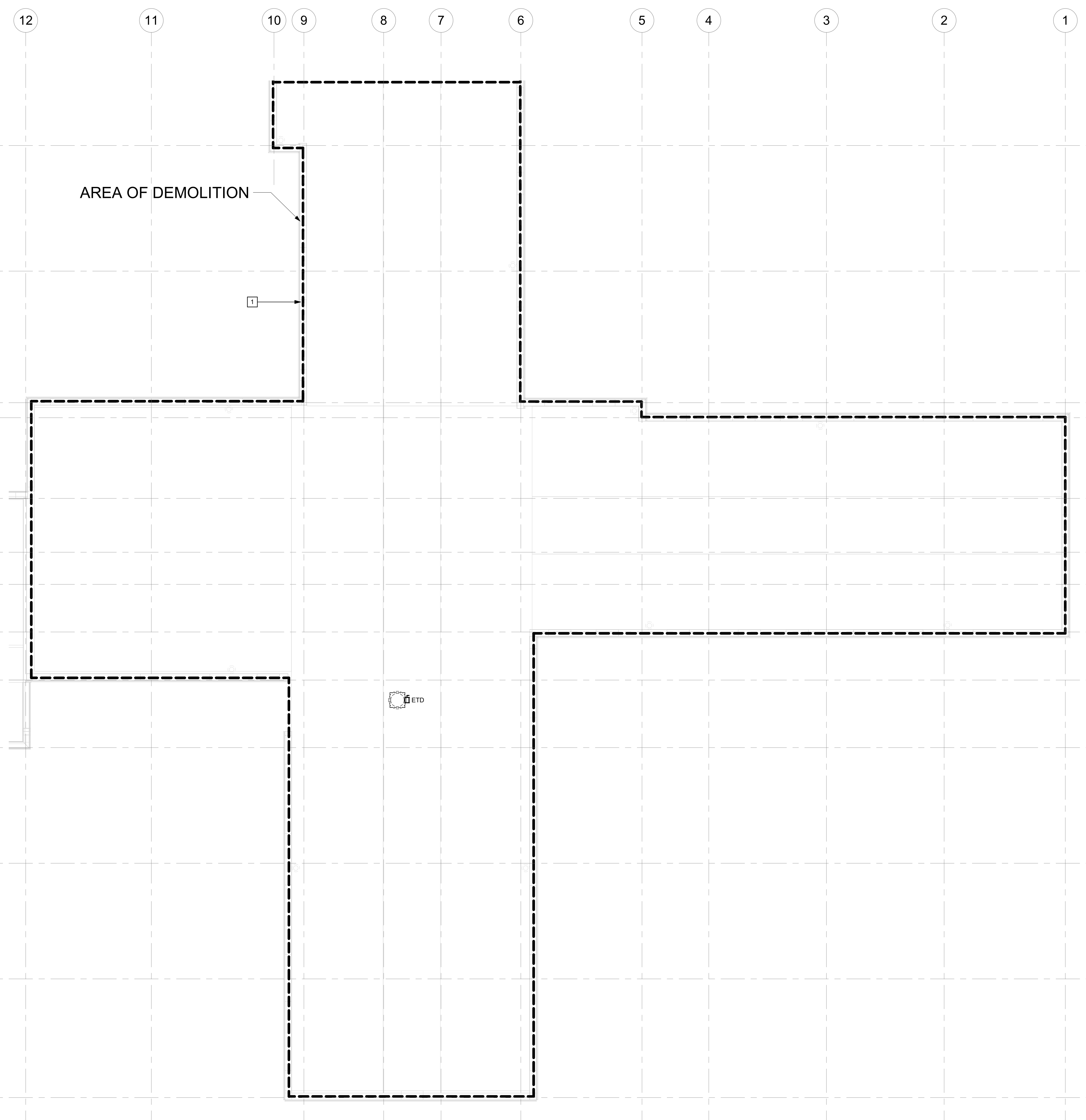
**DEDUCT ALTERNATE NOTES:**

- A1. IF THE ALTERNATE IS ELECTED, NO DEMOLITION WORK WILL BE PERFORMED FOR THIS ROOF AREA.



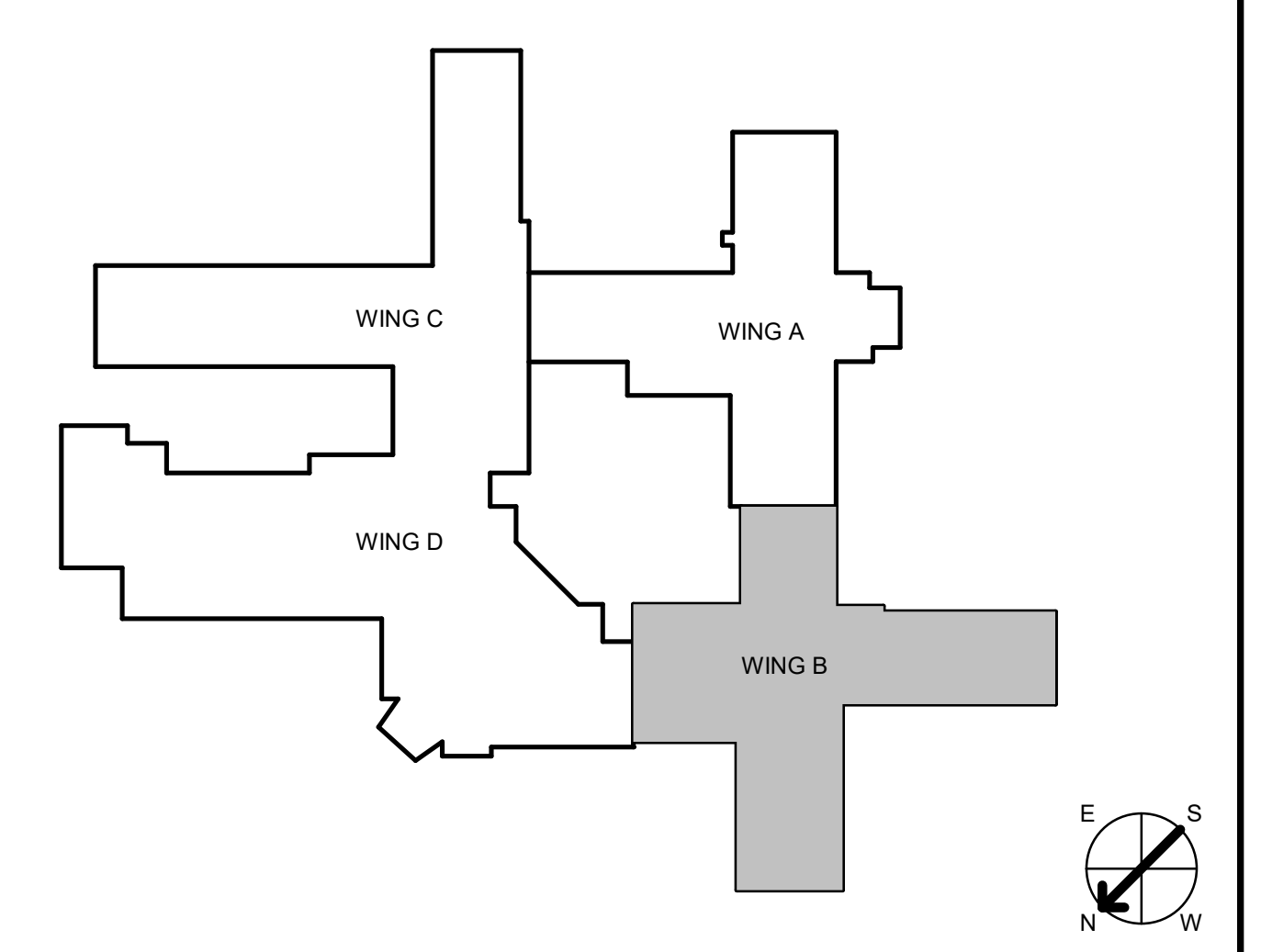
**1** ELECTRICAL POWER DEMOLITION ROOF PLAN - A WING  
1/8" = 1'-0"


<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  512 5th Street Overland Park, KS 66159 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE <b>ELECTRICAL POWER DEMOLITION ROOF PLAN - A WING</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b>		VA PROJECT NUMBER <b>589-A5-19-116</b>	
Revision #		Date								PROJECT LOCATION <b>2200 SW GAGE BLVD TOPEKA, KS 66622</b>		BUILDING NUMBER <b>6</b>		DRAWING NUMBER <b>6-EPD102A</b>			
										DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>			
														Dwg. 127 OF 160			



- GENERAL NOTES:**
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- ELECTRICAL PLAN NOTES:**
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1 ELECTRICAL POWER DEMOLITION ROOF PLAN - B WING  
1/8" = 1'-0"

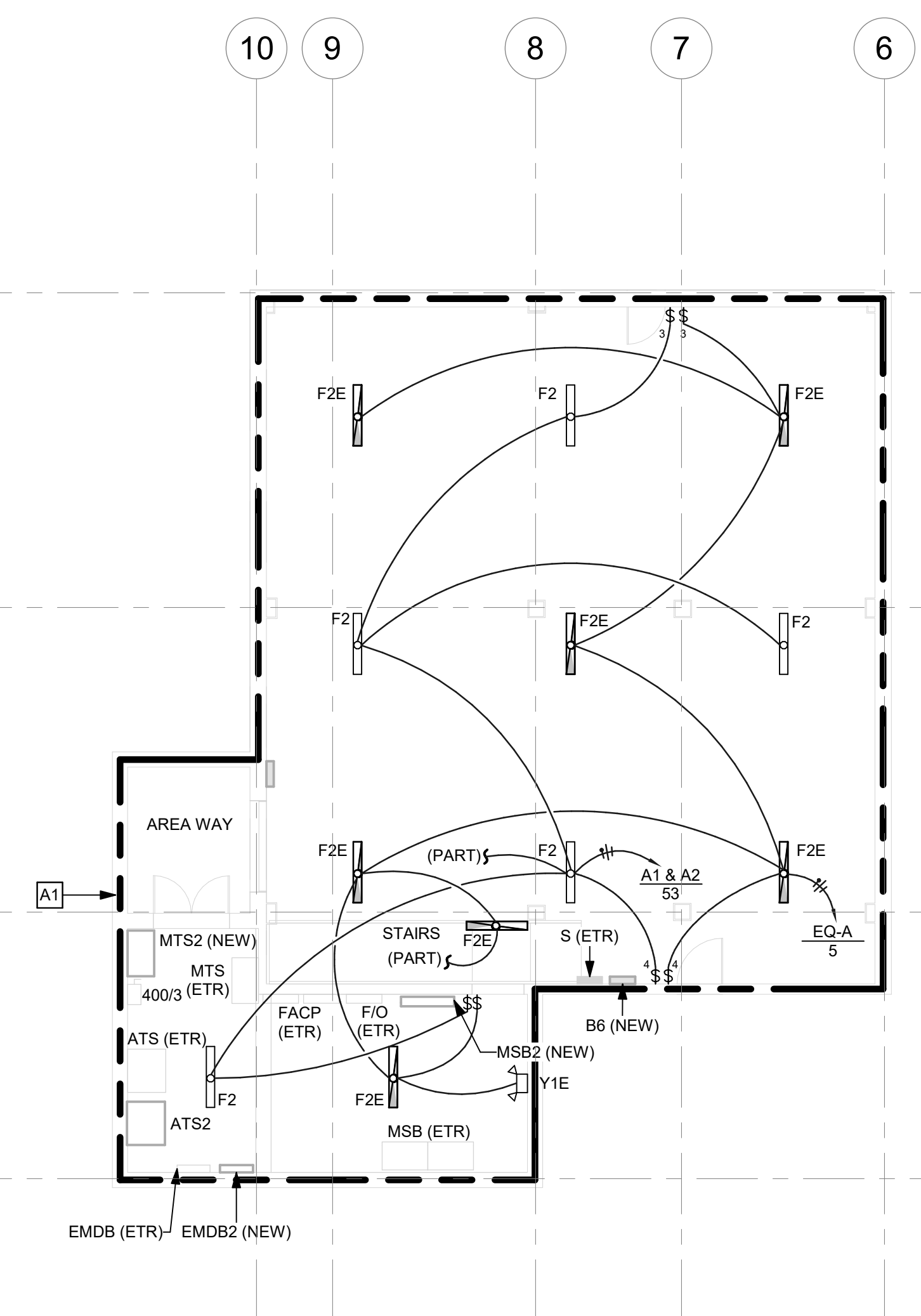
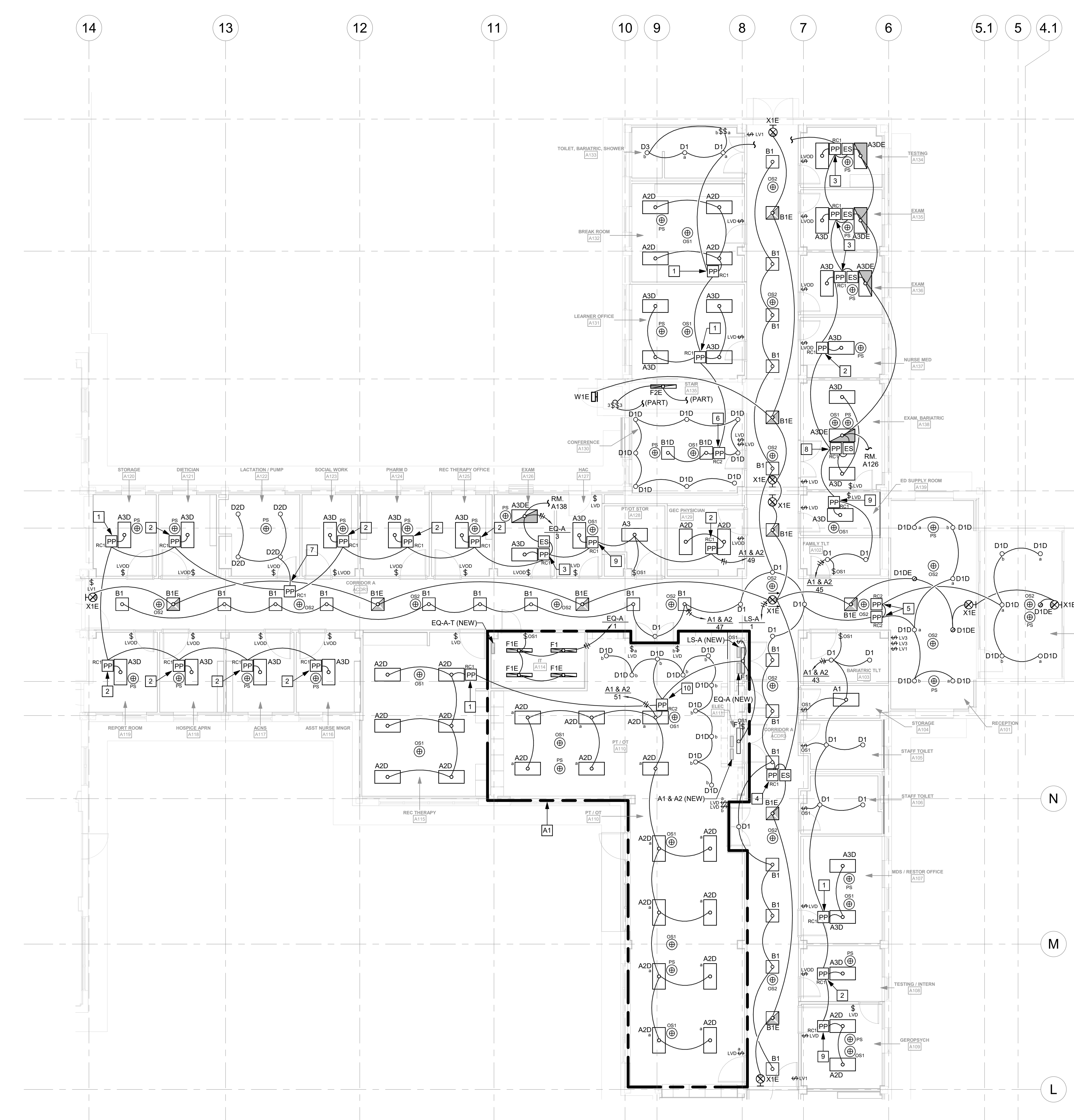


<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  512 SW 23th Street Overland Park, KS 66159 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  VA U.S. Department of Veteran Affairs		SHEET TITLE ELECTRICAL POWER DEMOLITION ROOF PLAN - B WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BLDG 6 PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER 589-A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-EPD102B Dwg. 128 OF 160	
Revision #	Date									DATE 07/10/2019		CHECKED BY BEN		DRAWN BY ABM			

- GENERAL NOTES:**
- THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  - SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  - COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  - COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  - PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

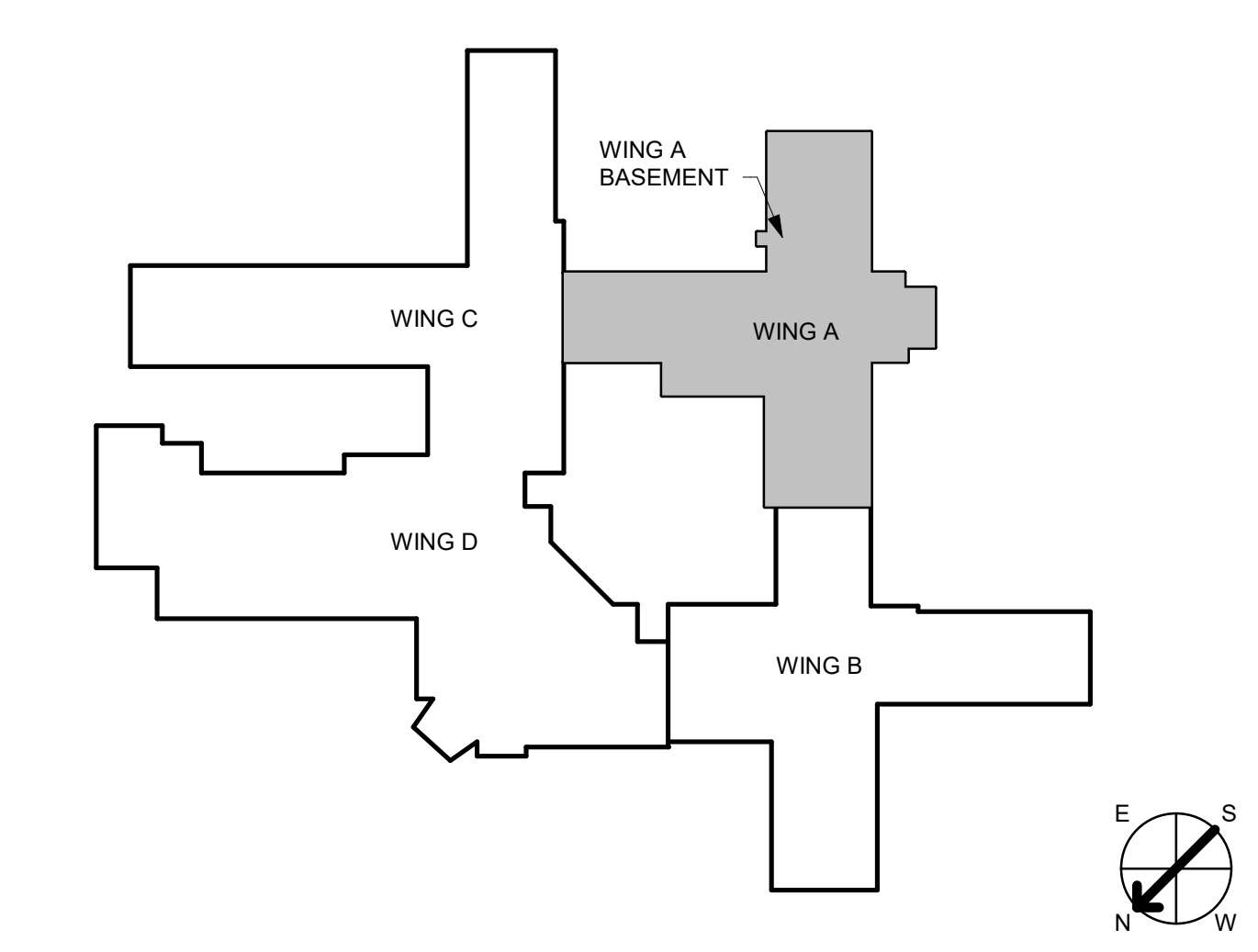
- ELECTRICAL PLAN NOTES:**
- REFER TO DETAIL 1, SHEET 6-E-701 FOR WIRING DIAGRAM OF ALL TYPICAL ROOM CONTROLLERS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
  - REFER TO DETAIL 2, SHEET 6-E-701 FOR WIRING DIAGRAM OF TYPICAL OFFICE LIGHTS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
  - REFER TO DETAIL 5, SHEET 6-E-701 FOR WIRING DIAGRAM OF ALL EXAM ROOM LIGHTS WITH SWITCHES.
  - REFER TO DETAIL 6, SHEET 6-E-701 FOR WIRING DIAGRAM OF CORRIDOR LIGHTS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
  - REFER TO DETAIL 2, SHEET 6-E-702 FOR WIRING DIAGRAM OF TYPICAL OFFICE LIGHTS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
  - REFER TO DETAIL 3, SHEET 6-E-702 FOR WIRING DIAGRAM OF CONFERENCE ROOM A130 WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
  - REFER TO DETAIL 2, SHEET 6-E-701 FOR WIRING DIAGRAM OF LACTATION/PUMP ROOM A122 WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS. LOCATE CONTROLLER IN ADJACENT ACCESSIBLE CEILING.
  - REFER TO DETAIL 6, SHEET 6-E-702 FOR WIRING DIAGRAM OF EXAM ROOM A138 LIGHTS WITH SWITCHES, OCCUPANCY SENSORS, AND DAYLIGHT SENSORS.
  - REFER TO DETAIL 5, SHEET 6-E-702 FOR WIRING DIAGRAM OF HAC ROOM 127, GEROPSYCH ROOM A109 AND ED SUPPLY ROOM A139 WITH SWITCHES.
  - REFER TO DETAIL 4, SHEET 6-E-701 FOR WIRING DIAGRAM OF PT/OT ROOM A110 CONTROLLERS WITH SWITCHES, OCCUPANCY SENSORS, AND DAYLIGHT SENSORS.

- DEDUCT ALTERNATE NOTES:**
- IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING, LIGHTING, AND LIGHTING CONTROLS OUTSIDE OF THE AREA SHOWN. PROVIDE CIRCUITING, LIGHTING, AND LIGHTING CONTROLS WITHIN THE AREA SHOWN. TIE NEW CIRCUITS INTO EXISTING PANELBOARD A1 AND A2. PROVIDE NEW 20A BREAKERS AS REQUIRED.



**2 ELECTRICAL LIGHTING PLAN - BASEMENT**  
1/8" = 1'-0"

**1 ELECTRICAL LIGHTING PLAN - A WING**  
1/8" = 1'-0"



<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 1127 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b>  312 SW 23rd Street, Overland Park, KS 66209 10000 Ring Street, Suite 300, Overland Park, KS 66202 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE: ELECTRICAL LIGHTING PLAN - A WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-EL101A Dwg. 129 OF 160	
Revision #      Date								DATE: 07/10/2019 CHECKED BY: BEN		DRAWN BY: ABW				



**GENERAL NOTES:**

1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.

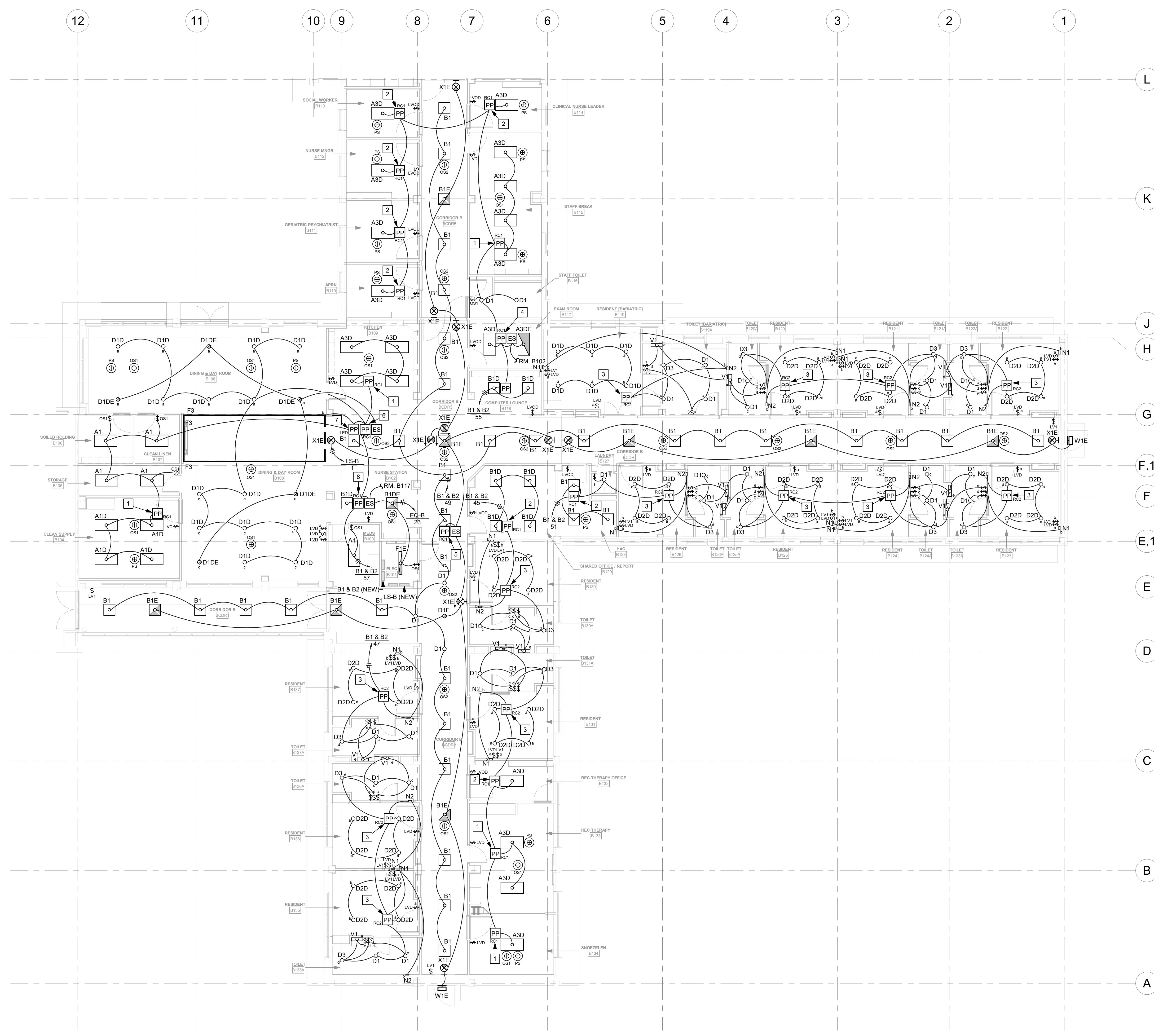
**DEDUCT ALTERNATE AND PHASING:**

ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.

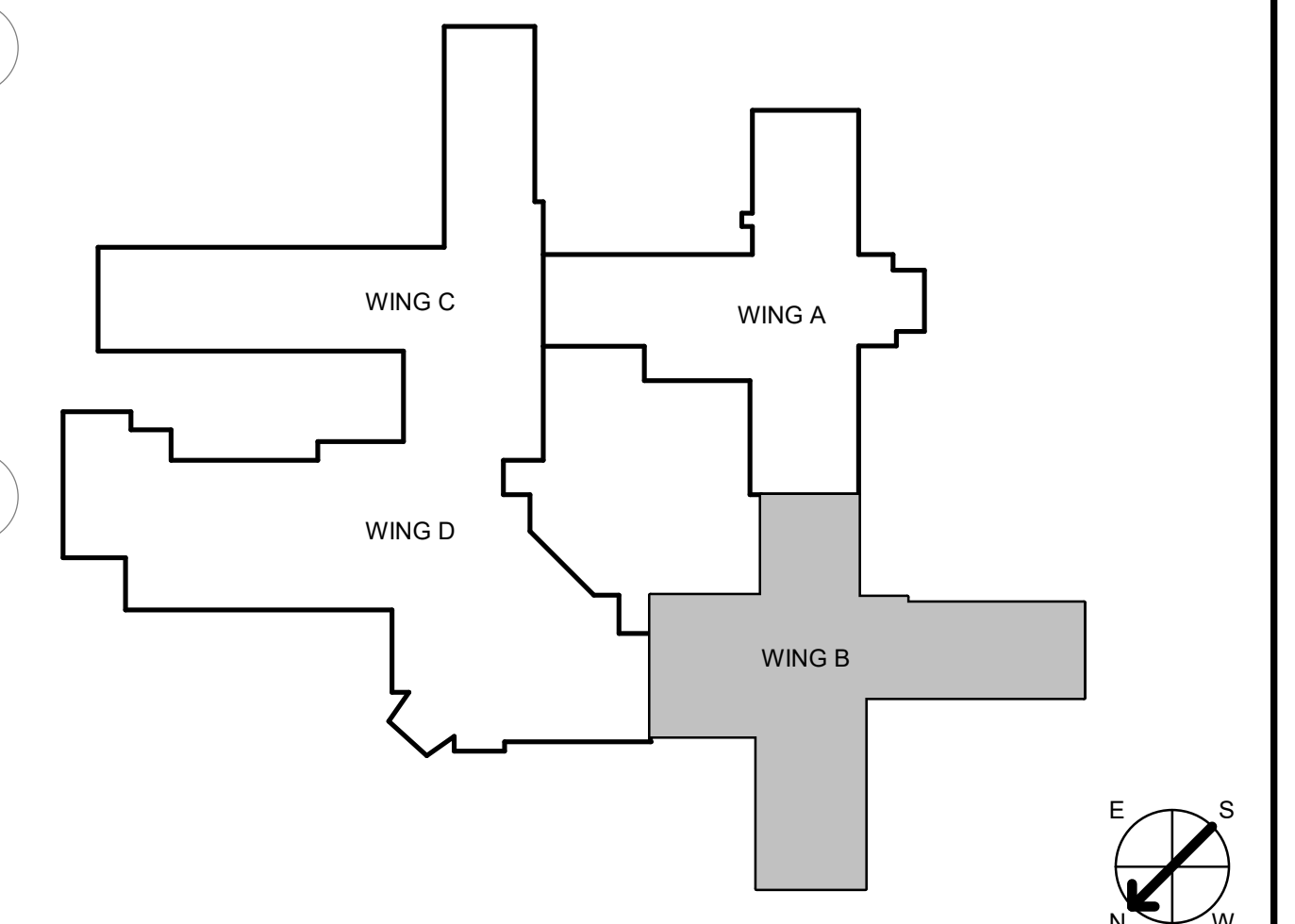
IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

**ELECTRICAL PLAN NOTES:**

1. REFER TO DETAIL 1, SHEET 6-E-701 FOR WIRING DIAGRAM OF ALL TYPICAL ROOM CONTROLLERS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
2. REFER TO DETAIL 2, SHEET 6-E-701 FOR WIRING DIAGRAM OF TYPICAL OFFICE LIGHTS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
3. REFER TO DETAIL 3, SHEET 6-E-701 FOR WIRING DIAGRAM OF TYPICAL RESIDENT ROOM LIGHTS WITH SWITCHES.
4. REFER TO DETAIL 5, SHEET 6-E-701 FOR WIRING DIAGRAM OF NURSE STATION B102 AND ALL EXAM ROOM LIGHTS WITH SWITCHES.
5. REFER TO DETAIL 6, SHEET 6-E-701 FOR WIRING DIAGRAM OF CORRIDOR LIGHTS WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS.
6. REFER TO DETAIL 4, SHEET 6-E-702 FOR WIRING DIAGRAM OF DINING AND DAY ROOM B108 WITH SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS. LOCATE CONTROLLER IN ADJACENT ACCESSIBLE CEILING.
7. REFER TO DETAIL 1, SHEET 6-E-702 FOR WIRING DIAGRAM OF DAY ROOM ENTRANCE WITH SWITCHES. LOCATE CONTROLLER IN ADJACENT ACCESSIBLE CEILING.
8. REFER TO DETAIL 8, SHEET 6-E-702 FOR WIRING DIAGRAM OF NURSE STATION WITH SWITCHES AND OCCUPANCY SENSORS.



**1 ELECTRICAL LIGHTING PLAN - B WING**  
1/8" = 1'-0"



three eighths inch = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

**CONSULTANT INFORMATION**

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

**ARCHITECT**

**SPUR DESIGN**

313 SW 23rd Street  
Overland Park, KS 66209  
spur-design.com

10000 King Street, Suite 350  
Overland Park, KS 66210  
overlandpark.com

KS ARCH REG. NO. A-1139, EXP. 12/31/2019  
KS ENGR REG. NO. E-2586, EXP. 12/31/2019

**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

**SHEET TITLE**  
ELECTRICAL LIGHTING PLAN - B WING

APPROVED: PROJECT DIRECTOR

**PROJECT PHASE**  
BID DOCUMENTS

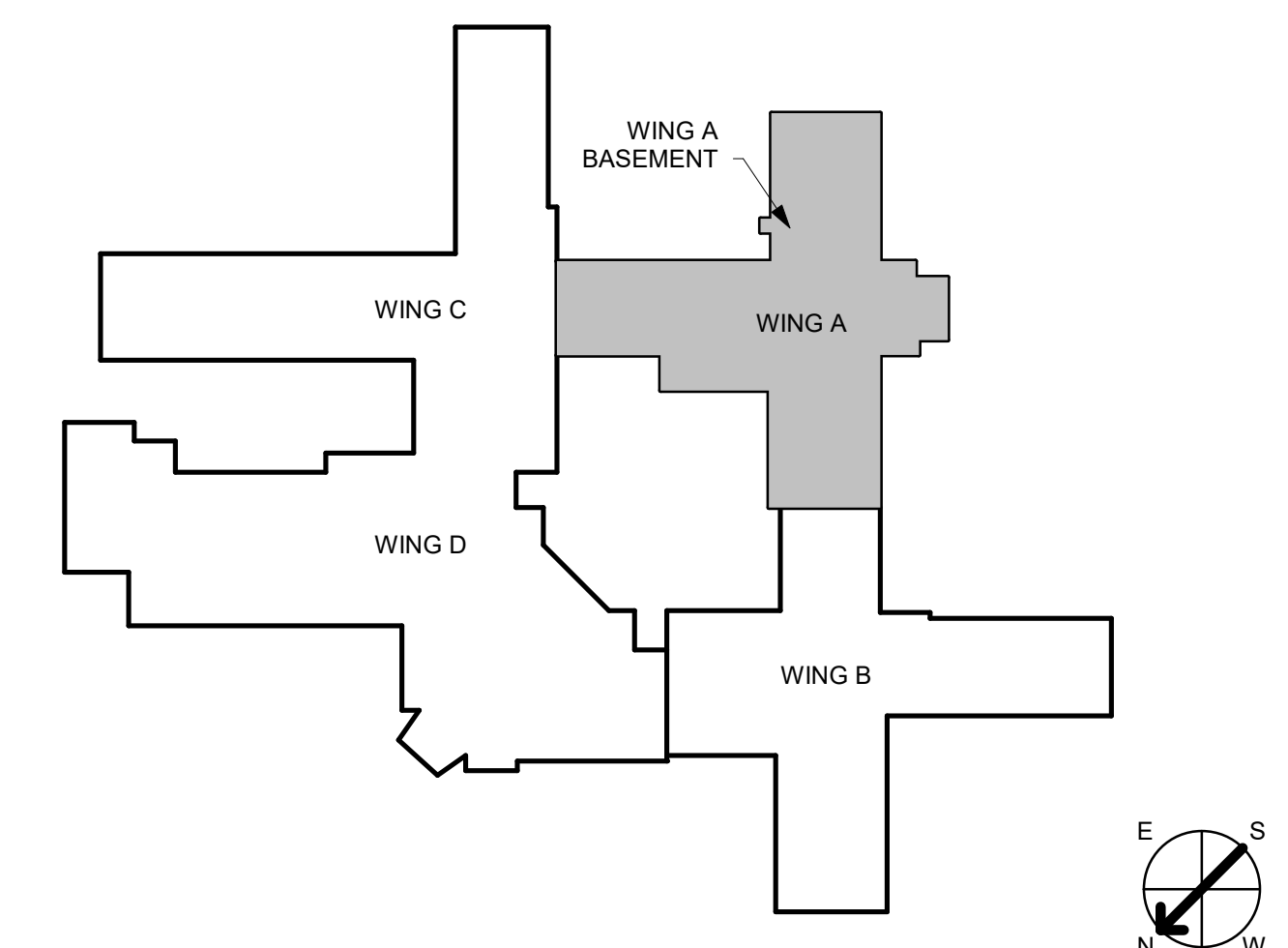
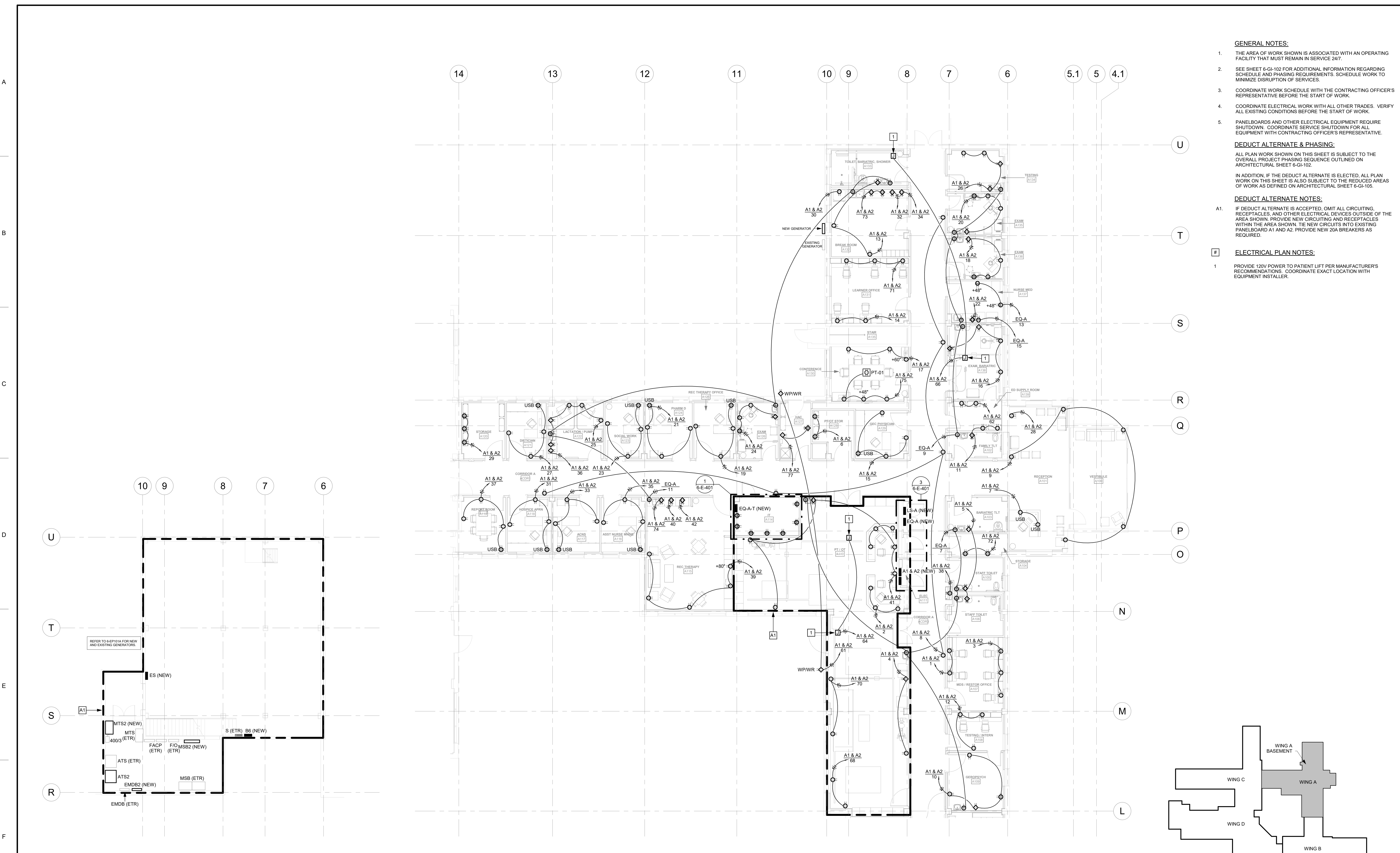
**FULLY SPRINKLERED**

<b>PROJECT TITLE</b> RENOVATE A & B WING BLDG 6		<b>VA PROJECT NUMBER</b> 589-A5-19-116
<b>PROJECT LOCATION</b> 2200 SW GAGE BLVD TOPEKA, KS 66622		<b>BUILDING NUMBER</b> 6
<b>DATE</b> 07/10/2019		<b>DRAWING NUMBER</b> 6-EL101B
<b>CHECKED BY</b> BEN	<b>DRAWN BY</b> ABM	<b>Dwg.</b> 130 OF 160

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

- DEDUCT ALTERNATE NOTES:**
- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING, RECEPTACLES, AND OTHER ELECTRICAL DEVICES OUTSIDE OF THE AREA SHOWN. PROVIDE NEW CIRCUITING AND RECEPTACLES WITHIN THE AREA SHOWN. TIE NEW CIRCUITS INTO EXISTING PANELBOARD A1 AND A2. PROVIDE NEW 20A BREAKERS AS REQUIRED.

- ELECTRICAL PLAN NOTES:**
1. PROVIDE 120V POWER TO PATIENT LIFT PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.



**2 ELECTRICAL POWER PLAN - BASEMENT**  
1/8" = 1'-0"

**1 ELECTRICAL POWER PLAN - A WING**  
1/8" = 1'-0"

<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 1127 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		<b>MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER</b> SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		<b>FIRE PROTECTION ENGINEER</b> POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  312 SW 23rd Street, Overland Park, KS 66209 11020 King Street, Suite 350, Overland Park, KS 66210 ks ARCH REG. NO. A-1139, EXP. 12/31/2019 ks ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		<b>SHEET TITLE</b> ELECTRICAL POWER PLAN - A WING APPROVED: PROJECT DIRECTOR		<b>PROJECT PHASE</b> BID DOCUMENTS FULLY SPRINKLERED		<b>PROJECT TITLE</b> RENOVATE A & B WING BLDG 6 PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		<b>VA PROJECT NUMBER</b> 589-A5-19-116 <b>BUILDING NUMBER</b> 6 <b>DRAWING NUMBER</b> 6-EP101A Dwg. 131 OF 160	
<b>Revision #</b>		<b>Date</b>		<b>DATE</b> 07/10/2019		<b>CHECKED BY</b> BEN		<b>DRAWN BY</b> ABM									

**GENERAL NOTES:**

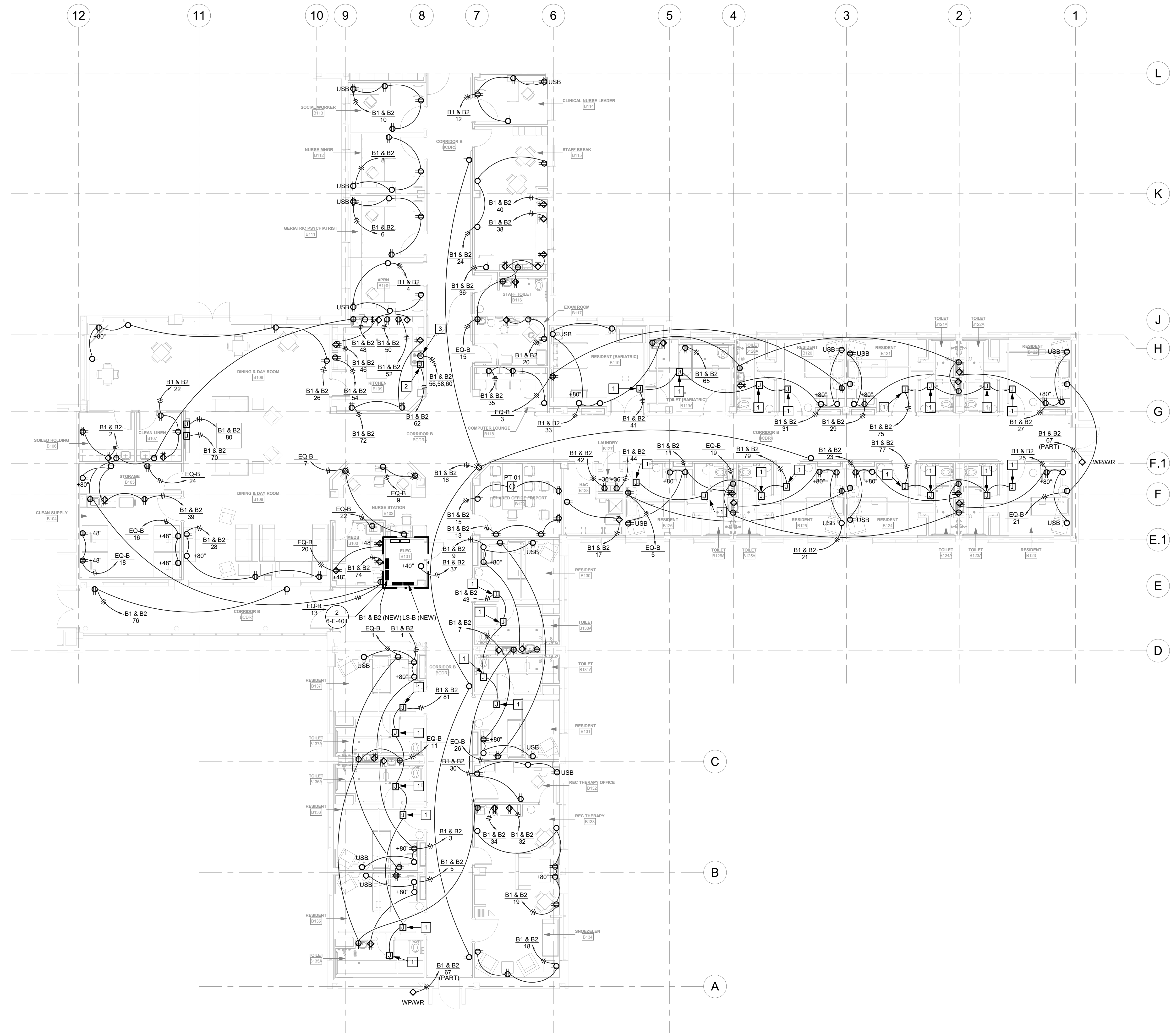
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**DEDUCT ALTERNATE & PHASING:**

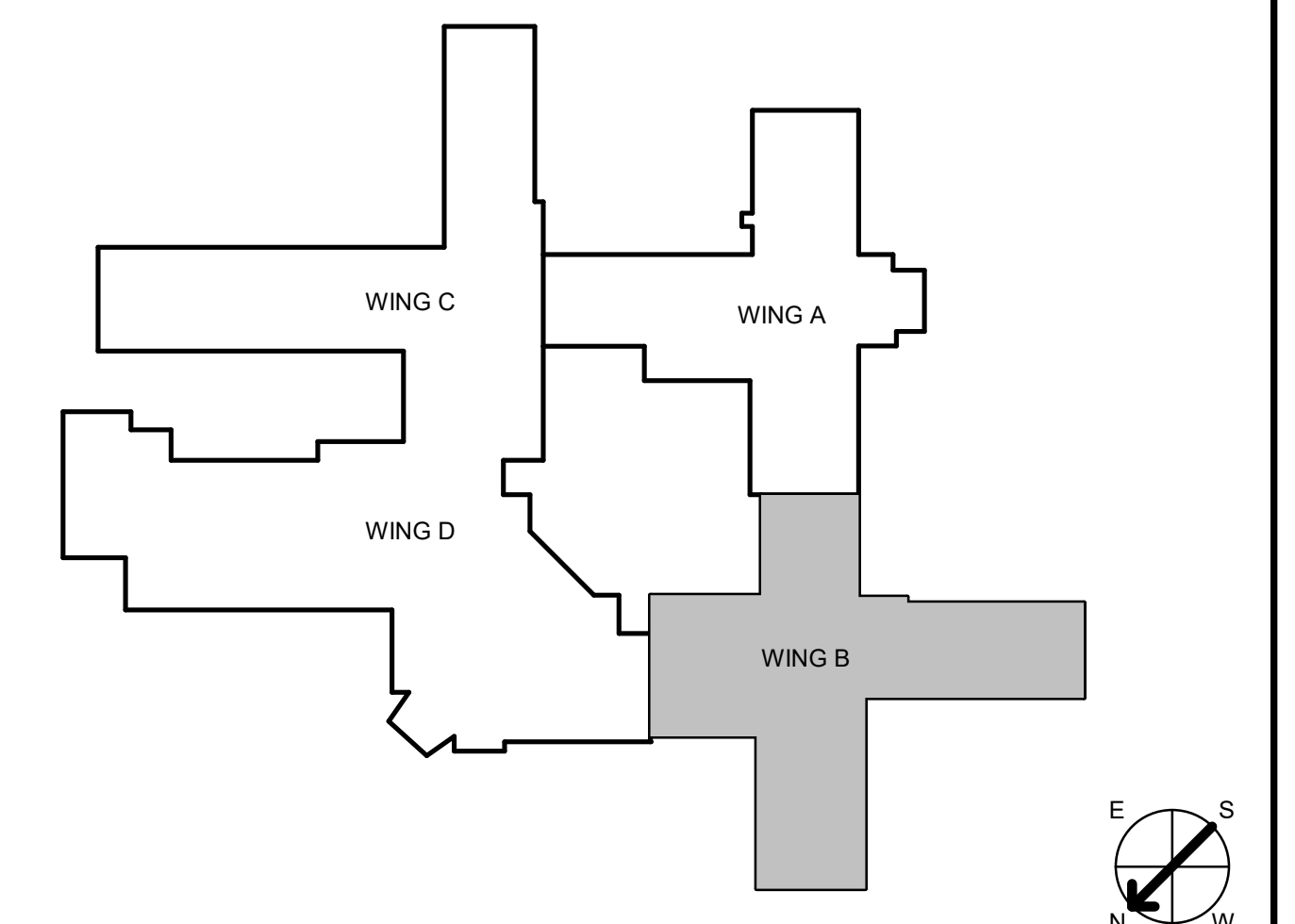
ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.  
 IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

**ELECTRICAL PLAN NOTES:**

1. PROVIDE 120V POWER TO PATIENT LIFT PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
2. COORDINATE INTERCONNECTION WITH HOOD FIRE SUPPRESSION SYSTEM.
3. INSTALL NEMA 14-50 RECEPTACLE PROVIDED BY GREENHECK.



**1 ELECTRICAL POWER PLAN - B WING**  
 1/8" = 1'-0"

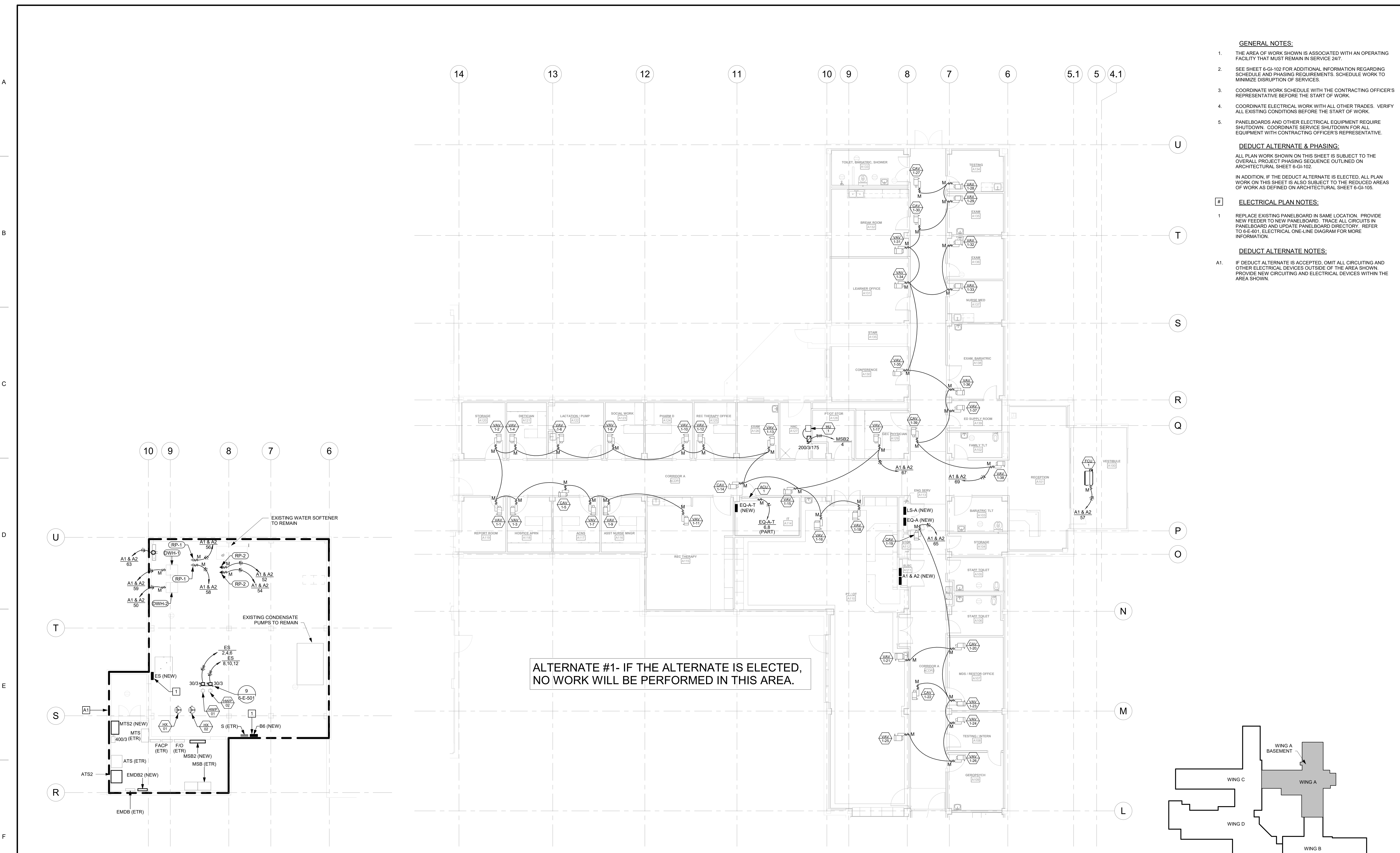


three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11927 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b>  333 SW 23rd Street, Overland Park, KS 66209 10000 Ring Street, Suite 300, Overland Park, KS 66209 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE: ELECTRICAL POWER PLAN - B WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622 DATE: 07/10/2019 CHECKED BY: BEN DRAWN BY: ABM		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-EP101B Dwg. 132 OF 160	
Revision #      Date														

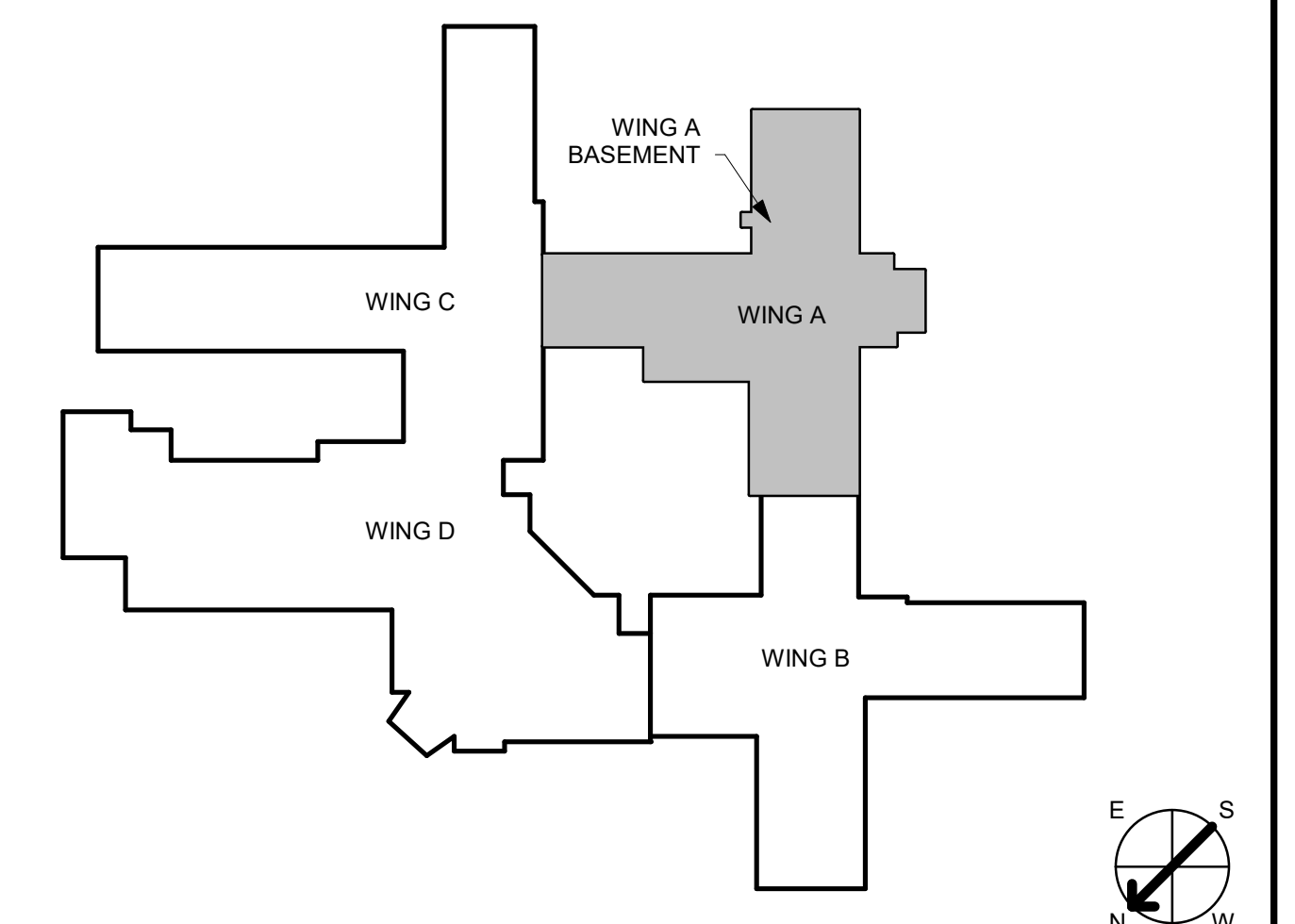
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- ELECTRICAL PLAN NOTES:**
1. REPLACE EXISTING PANELBOARD IN SAME LOCATION. PROVIDE NEW FEEDER TO NEW PANELBOARD. TRACE ALL CIRCUITS IN PANELBOARD AND UPDATE PANELBOARD DIRECTORY. REFER TO 6-E-601, ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
- DEDUCT ALTERNATE NOTES:**
- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING AND OTHER ELECTRICAL DEVICES OUTSIDE OF THE AREA SHOWN. PROVIDE NEW CIRCUITING AND ELECTRICAL DEVICES WITHIN THE AREA SHOWN.



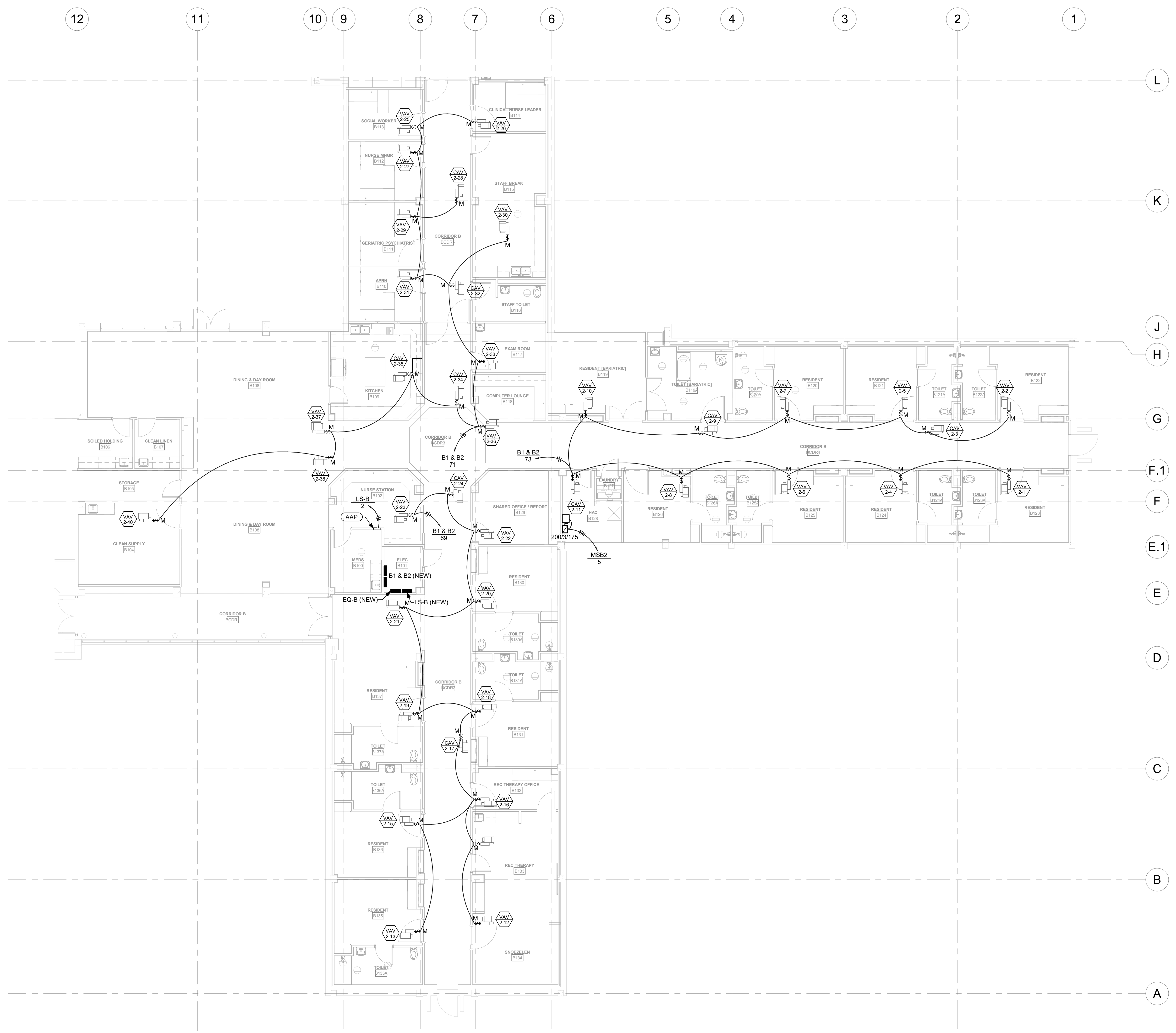
**2 ELECTRICAL MECHANICAL EQUIPMENT PLAN - BASEMENT**  
1/8" = 1'-0"

**1 ELECTRICAL MECHANICAL EQUIPMENT PLAN - A WING**  
1/8" = 1'-0"

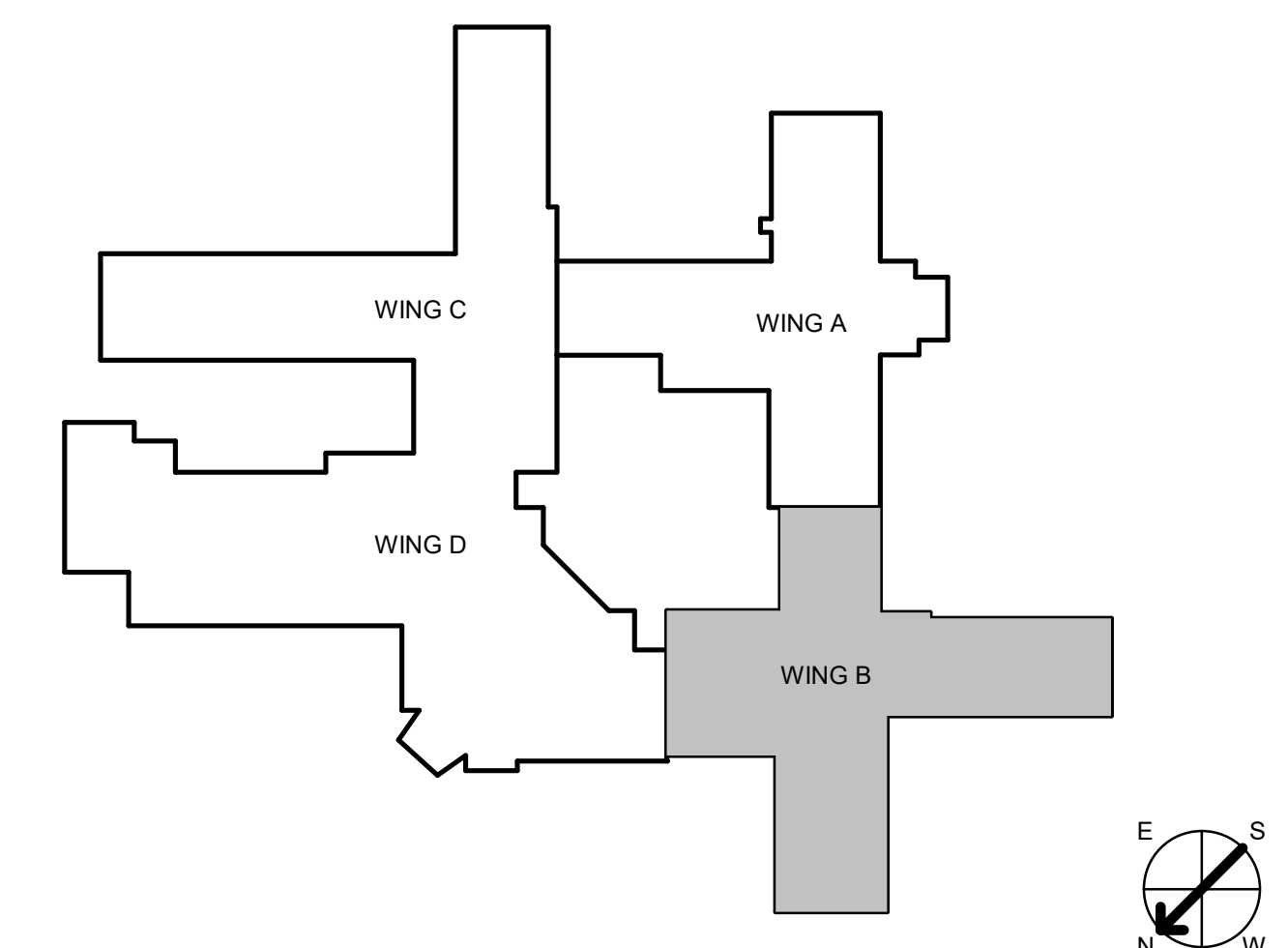


<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC.			<b>ARCHITECT</b>  313 W 23rd Street, Overland Park, KS 66209 1000 Ring Street, Suite 300, Overland Park, KS 66209		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs		SHEET TITLE: ELECTRICAL MECHANICAL EQUIPMENT PLAN - A WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-EQ101A	
Revision #      Date		KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019				DATE: 07/10/2019		CHECKED BY: BEN		DRAWN BY: ABM		Dwg. 133 OF 160		

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
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- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.



**1 ELECTRICAL MECHANICAL EQUIPMENT PLAN - B WING**  
1/8" = 1'-0"



three eighths inch = one foot  
one and one-half inches = one foot  
one inch = one foot  
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one-quarter inch = one foot  
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CONSULTANT INFORMATION		
STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11227 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650
Revision #	Date	

**ARCHITECT**

**SPUR DESIGN**

312 SW 23rd Street  
Overland Park, KS 66150  
spur-design.com

10303 Ring Street, Suite 300  
Overland Park, KS 66150  
spur-design.com

KS ARCH REG. NO. A-1139, EXP. 12/31/2019  
KS ENGR REG. NO. E-2586, EXP. 12/31/2019

**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

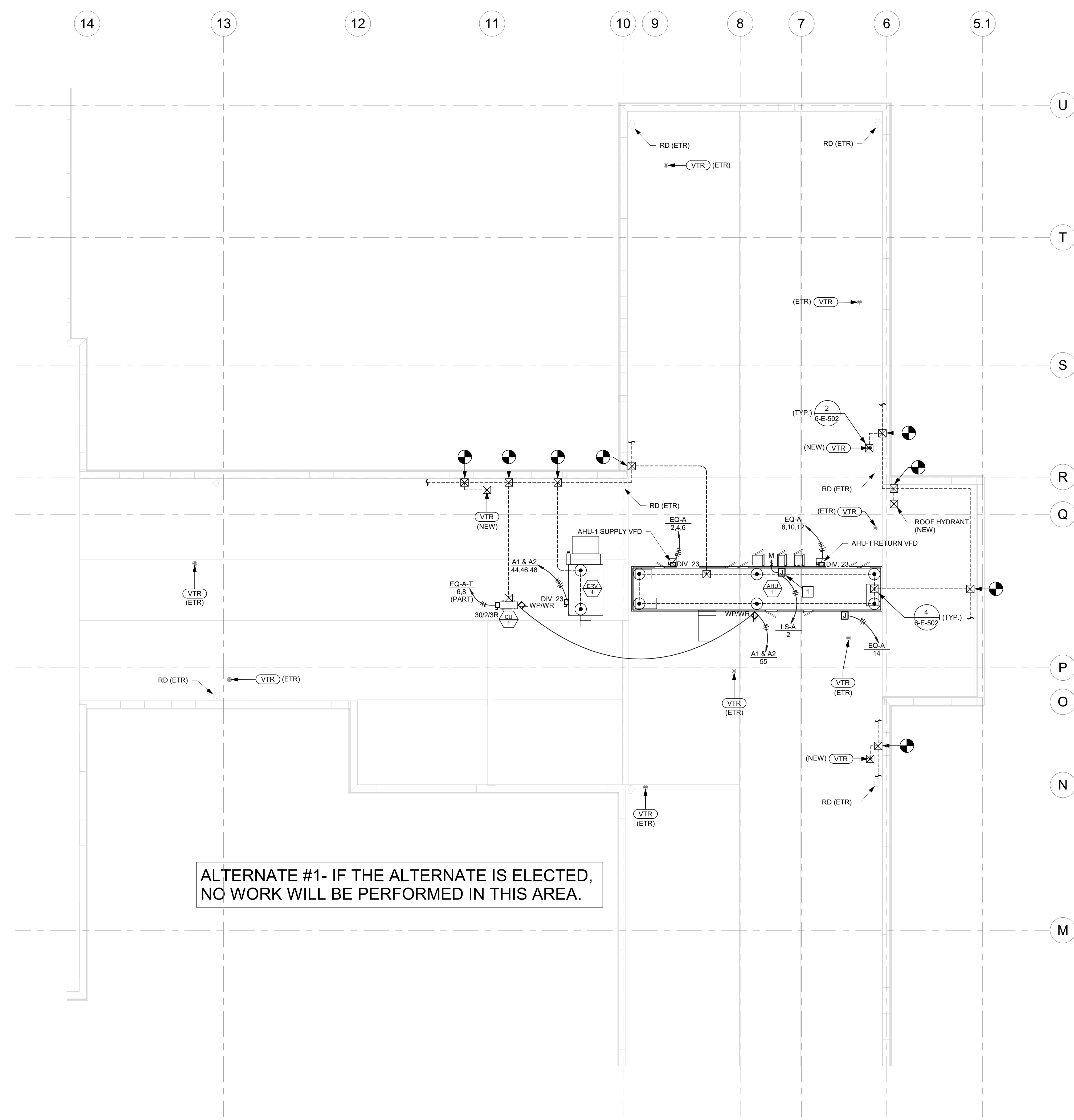
Professional Engineer  
16527  
04/10/2019

SHEET TITLE <b>ELECTRICAL MECHANICAL EQUIPMENT PLAN - B WING</b>
APPROVED: PROJECT DIRECTOR

PROJECT PHASE <b>BID DOCUMENTS</b>
<b>FULLY SPRINKLERED</b>

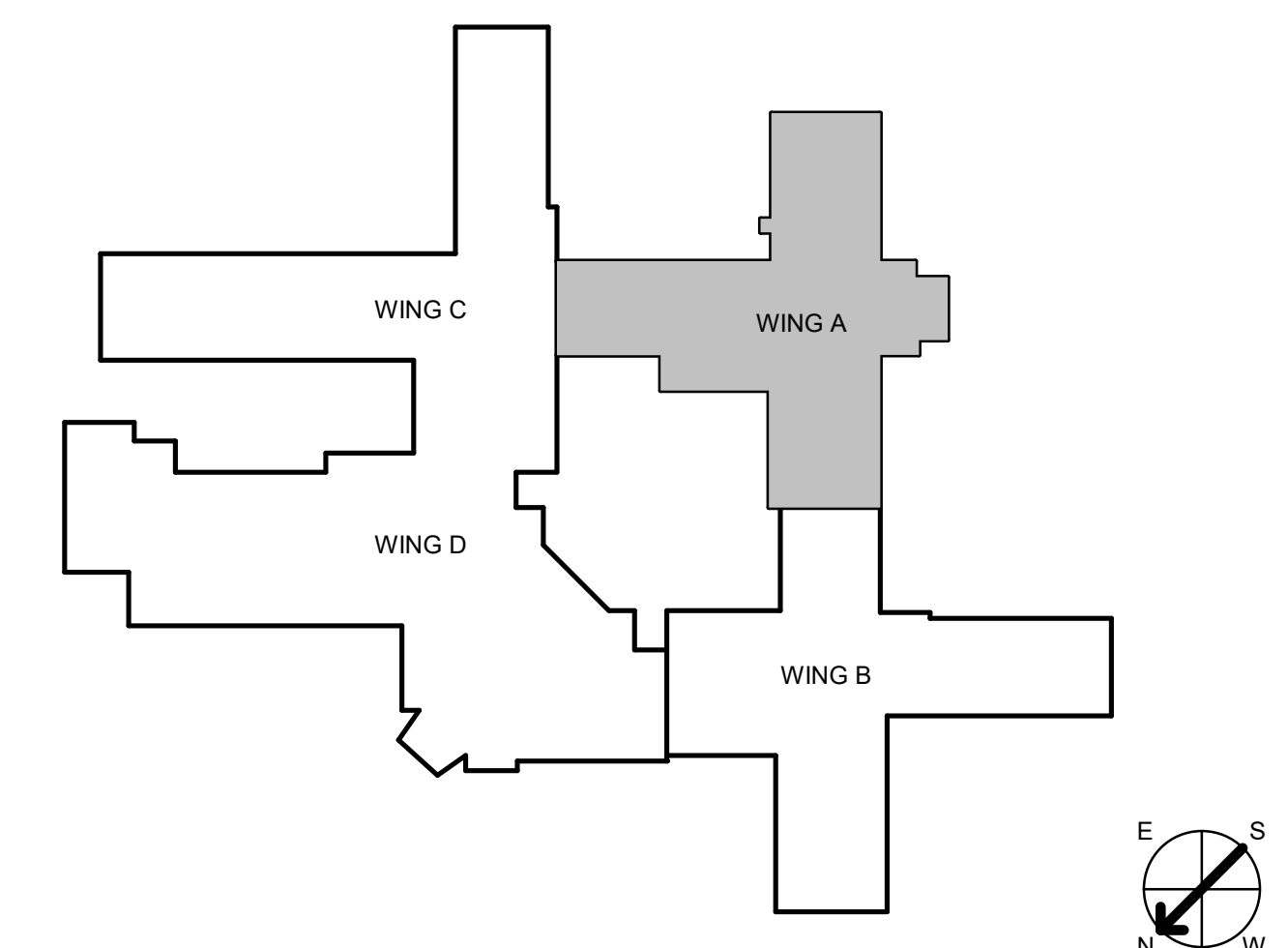
PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b>	VA PROJECT NUMBER <b>589-A5-19-116</b>
PROJECT LOCATION <b>2200 SW GAGE BLVD TOPEKA, KS 66622</b>	BUILDING NUMBER <b>6</b>
DATE <b>07/10/2019</b>	DRAWING NUMBER <b>6-EQ101B</b>
CHECKED BY <b>BEN</b>	DWGN BY <b>ABM</b>
Dwg. 134 OF 160	

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- ELECTRICAL PLAN NOTES:**
1. PROVIDE NEMA 3R RATED J-BOX FOR HEAT TRACE SYSTEM. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER.



ALTERNATE #1- IF THE ALTERNATE IS ELECTED, NO WORK WILL BE PERFORMED IN THIS AREA.

1 ELECTRICAL MECHANICAL EQUIPMENT ROOF PLAN - A WING  
1/8" = 1'-0"



**CONSULTANT INFORMATION**

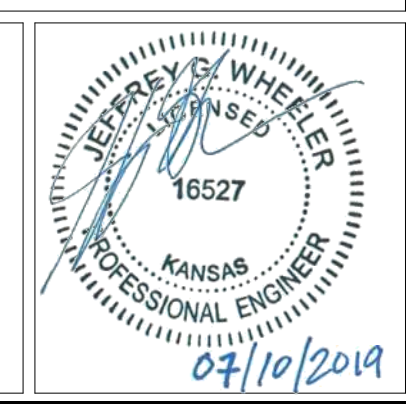
STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

**ARCHITECT**

**SPUR DESIGN**

313 SW 23th Street  
Overland Park, KS 66150  
913-214-2169

11020 King Street, Suite 350  
Overland Park, KS 66210  
405-842-6100



**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

SHEET TITLE  
ELECTRICAL MECHANICAL EQUIPMENT ROOF PLAN - A WING

APPROVED: PROJECT DIRECTOR

PROJECT PHASE  
BID DOCUMENTS

FULLY SPRINKLERED

PROJECT TITLE  
RENOVATE A & B WING BLDG 6

PROJECT LOCATION  
2200 SW GAGE BLVD  
TOPEKA, KS 66622

DATE  
07/10/2019

CHECKED BY  
BEN

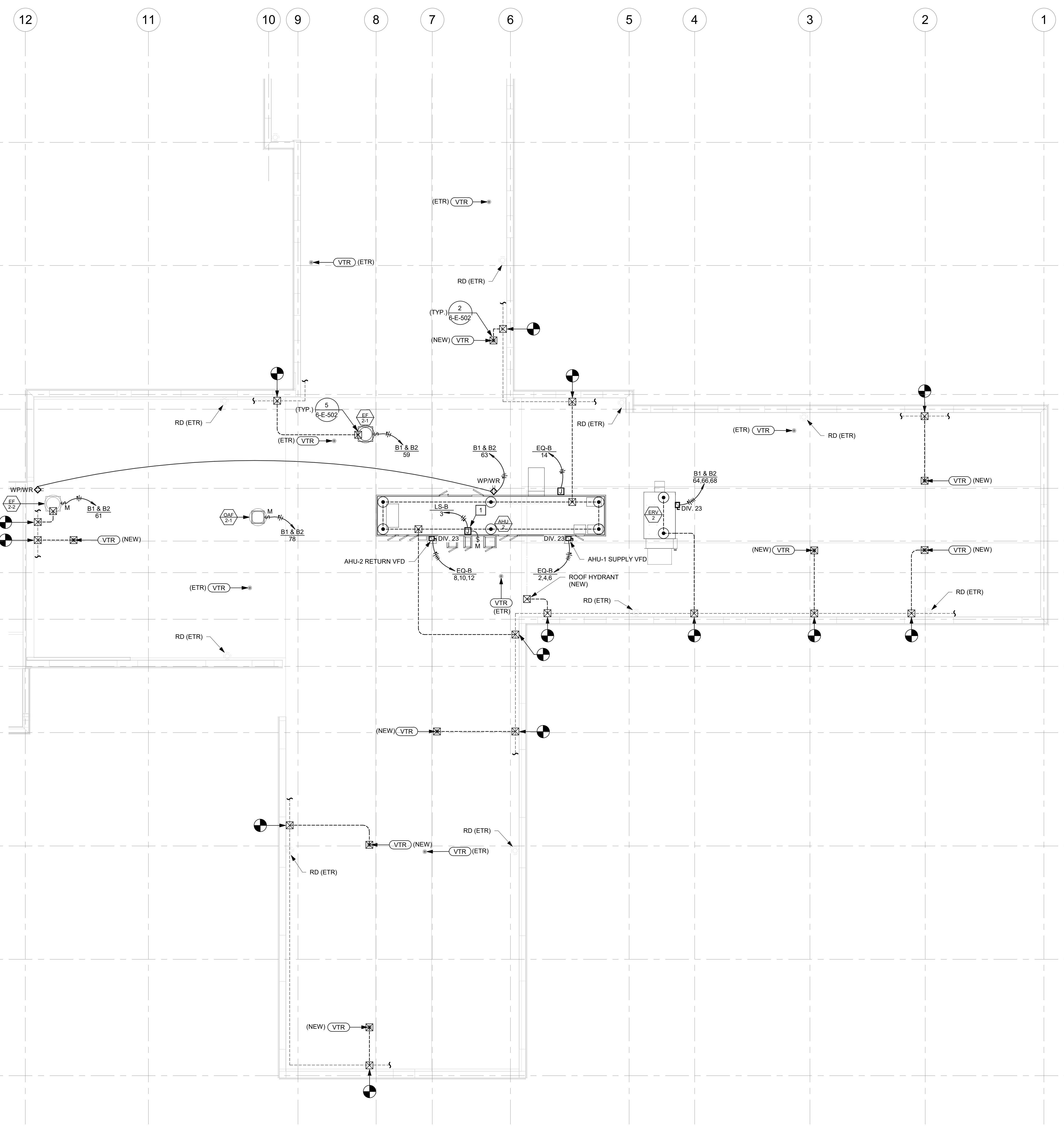
DRAWN BY  
ABM

VA PROJECT NUMBER  
589-A5-19-116

BUILDING NUMBER  
6

DRAWING NUMBER  
6-EQ102A

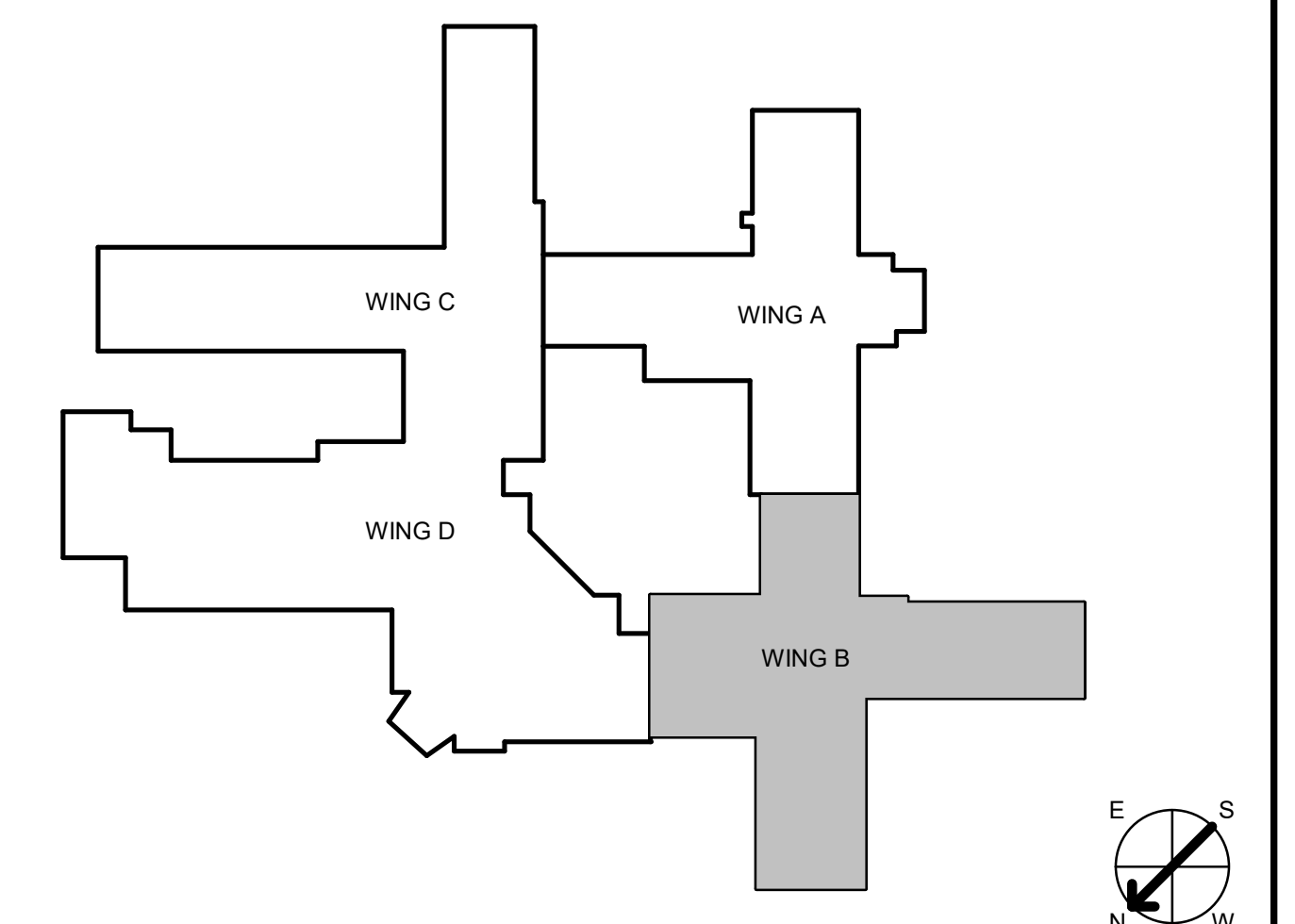
Dwg. 135 OF 160



- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- ELECTRICAL PLAN NOTES:**
1. PROVIDE NEMA 3R RATED J-BOX FOR HEAT TRACE SYSTEM. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER.

three eighths inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 one inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot

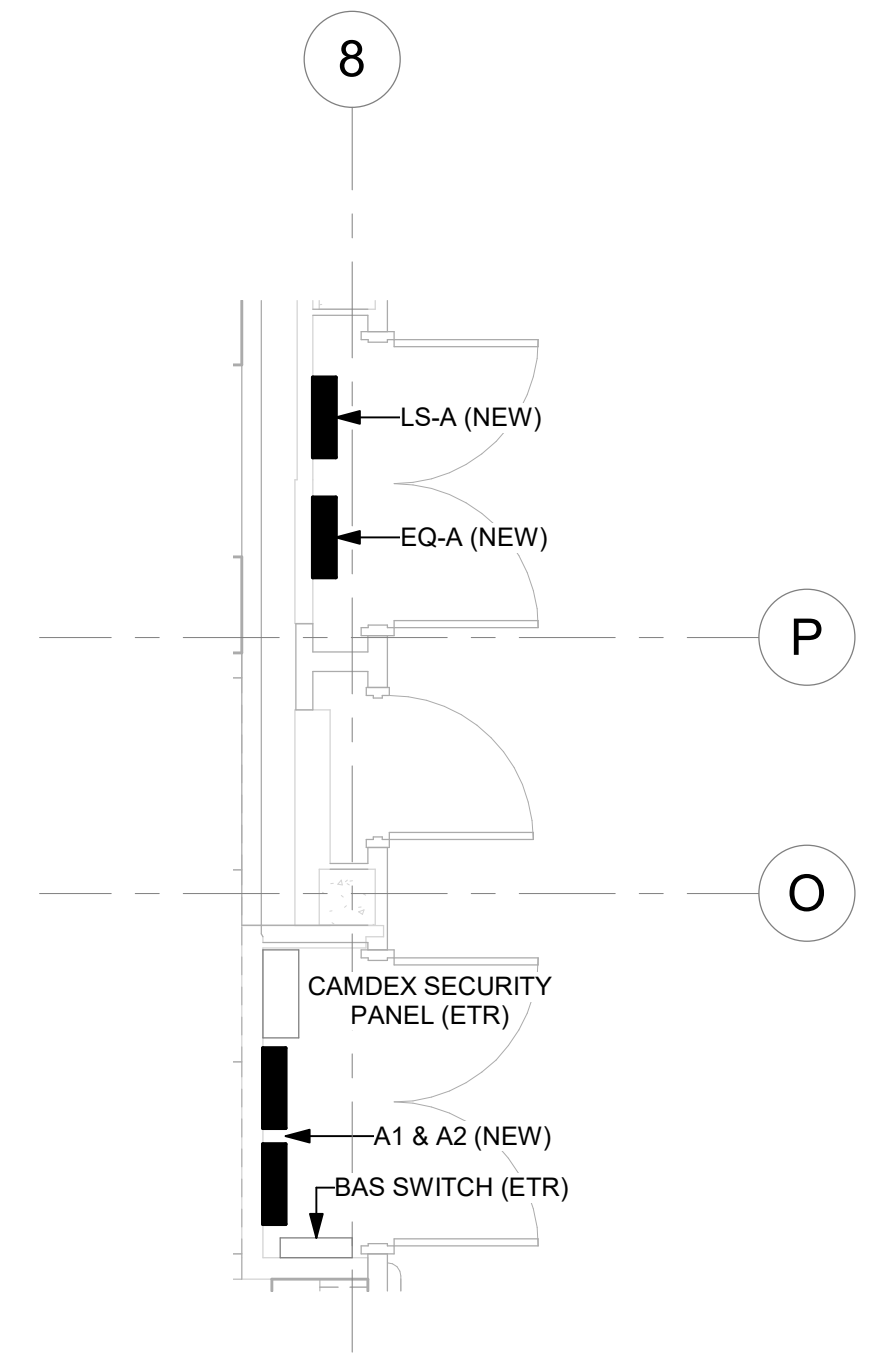
**1 ELECTRICAL MECHANICAL EQUIPMENT ROOF PLAN - B WING**  
 1/8" = 1'-0"



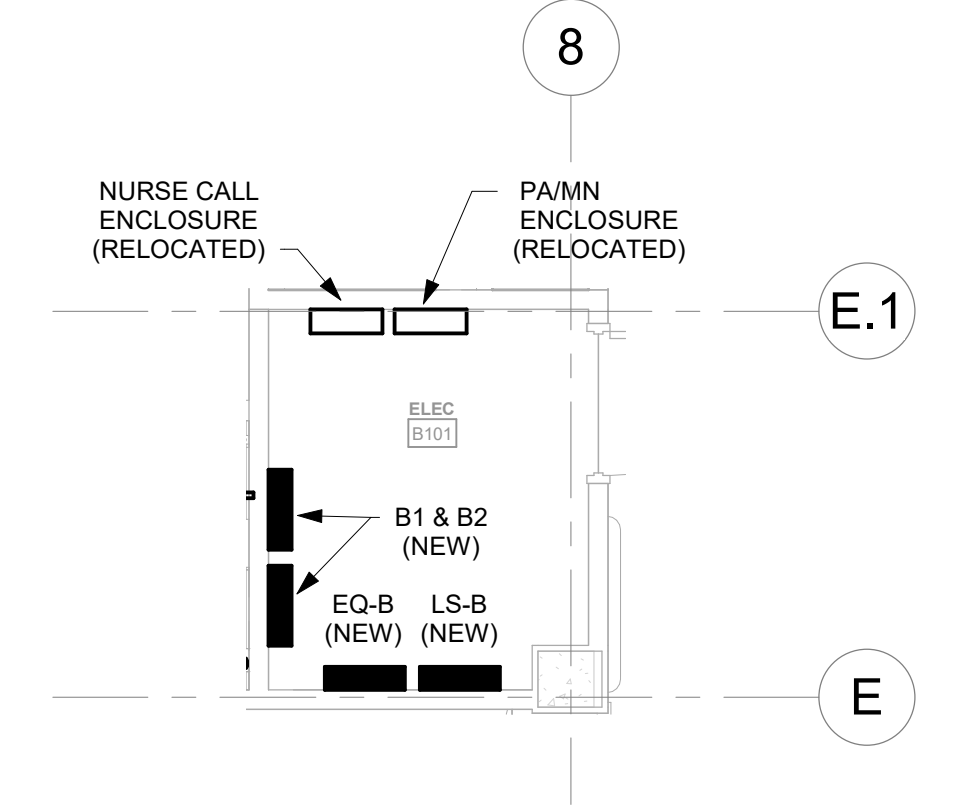
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11627 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  313 SW 23th Street, Overland Park, KS 66150 10000 King Street, Suite 300, Overland Park, KS 66150 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs 		SHEET TITLE: ELECTRICAL MECHANICAL EQUIPMENT ROOF PLAN - B WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622 DATE: 07/10/2019 CHECKED BY: BEN DRAWN BY: ABM		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-EQ102B Dwg. 136 OF 160	
Revision #	Date												

- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
- BID ALTERNATIVE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE BID ALTERNATIVE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

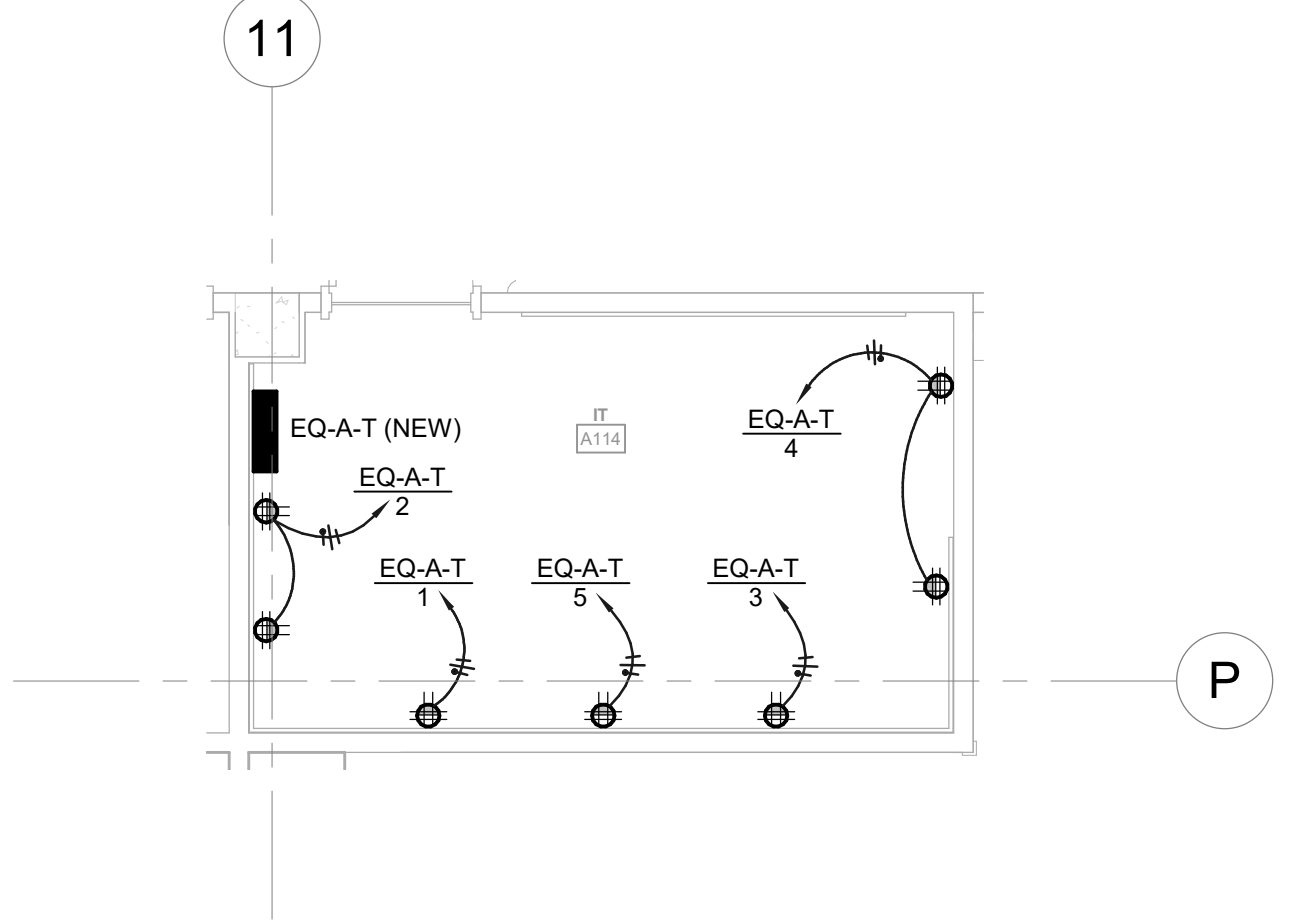
- ELECTRICAL PLAN NOTES:**
1. DURING PHASE #1, PROVIDE TEMPORARY PANELBOARDS AND INTERCEPT ALL EXISTING LIGHTING, GENERAL HVAC AND EMERGENCY POWER LOADS RESIDING IN THE EXISTING PHYSICAL THERAPY ROOM AND PROVIDE TEMPORARY POWER FROM PANELBOARD B-TEMP AND EM-TEMP. DO NOT COMBINE, BUT MAINTAIN ALL CIRCUITS AS CONNECTED WHEN REFERRING TO THE TEMPORARY PANELBOARD. PROVIDE EACH EXISTING CIRCUIT WITH A NEW BREAKER IN THE TEMPORARY PANELBOARD TO MATCH THE SIZE OF THE EXISTING UPSTREAM CIRCUIT BREAKER. NORMAL POWER LOADS WILL CONNECT TO PANELBOARD B-TEMP. EMERGENCY POWER LOADS WILL CONNECT TO PANELBOARD EM-TEMP.



**3 ELECTRICAL RM A111 PARTIAL FLOOR PLAN**  
1/4" = 1'-0"

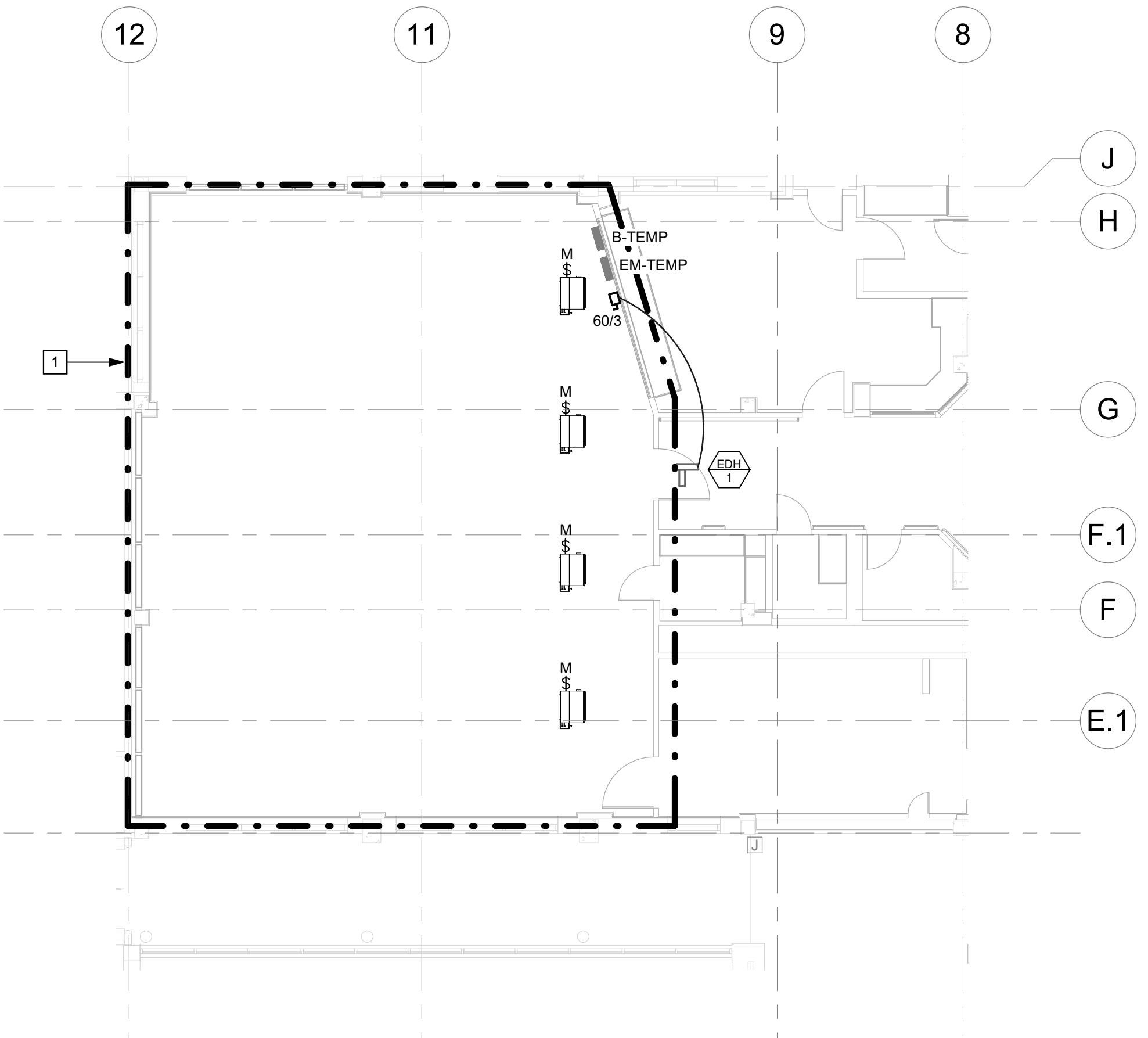


**2 ELECTRICAL RM B101 PARTIAL FLOOR PLAN**  
1/4" = 1'-0"



**1 IT EXTENSION RM 114 PARTIAL FLOOR PLAN**  
1/4" = 1'-0"

Alternate #1: IF THE ALTERNATE IS SELECTED, THIS PHASING WORK FOR THE EXISTING PT ROOM WILL BE OMITTED. IN THAT CASE, THE NEW PT/OT SPACES WILL BE COMPLETED IN PHASE #1 AND PHASING OF THIS SPACE WILL NOT BE REQUIRED.



**4 ELECTRICAL POWER PLAN - EXISTING PT PHASING**  
1/8" = 1'-0"

**CONSULTANT INFORMATION**

STRUCTURAL / CIVIL ENGINEER  
STAND STRUCTURAL ENGINEERING  
11827 W. 112TH STREET, SUITE 200  
OVERLAND PARK, KS 66210  
(913) 214-2169

MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER  
SPUR DESIGN  
11020 KING STREET, SUITE 350  
OVERLAND PARK, KS 66210  
(405) 842-6100

FIRE PROTECTION ENGINEER  
POOLE FIRE PROTECTION, INC.  
19910 W. 161ST STREET  
OLATH, KS 66062  
(913) 829-8650

**ARCHITECT**



**Office of Construction and Facilities Management**



SHEET TITLE  
**ELECTRICAL ENLARGED FLOOR PLANS**

APPROVED: PROJECT DIRECTOR

PROJECT PHASE  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

PROJECT TITLE  
**RENOVATE A & B WING BLDG 6**

PROJECT LOCATION  
**2200 SW GAGE BLVD  
TOPEKA, KS 66622**

DATE  
**07/10/2019**

CHECKED BY  
**BEN**

DRAWN BY  
**ABM**

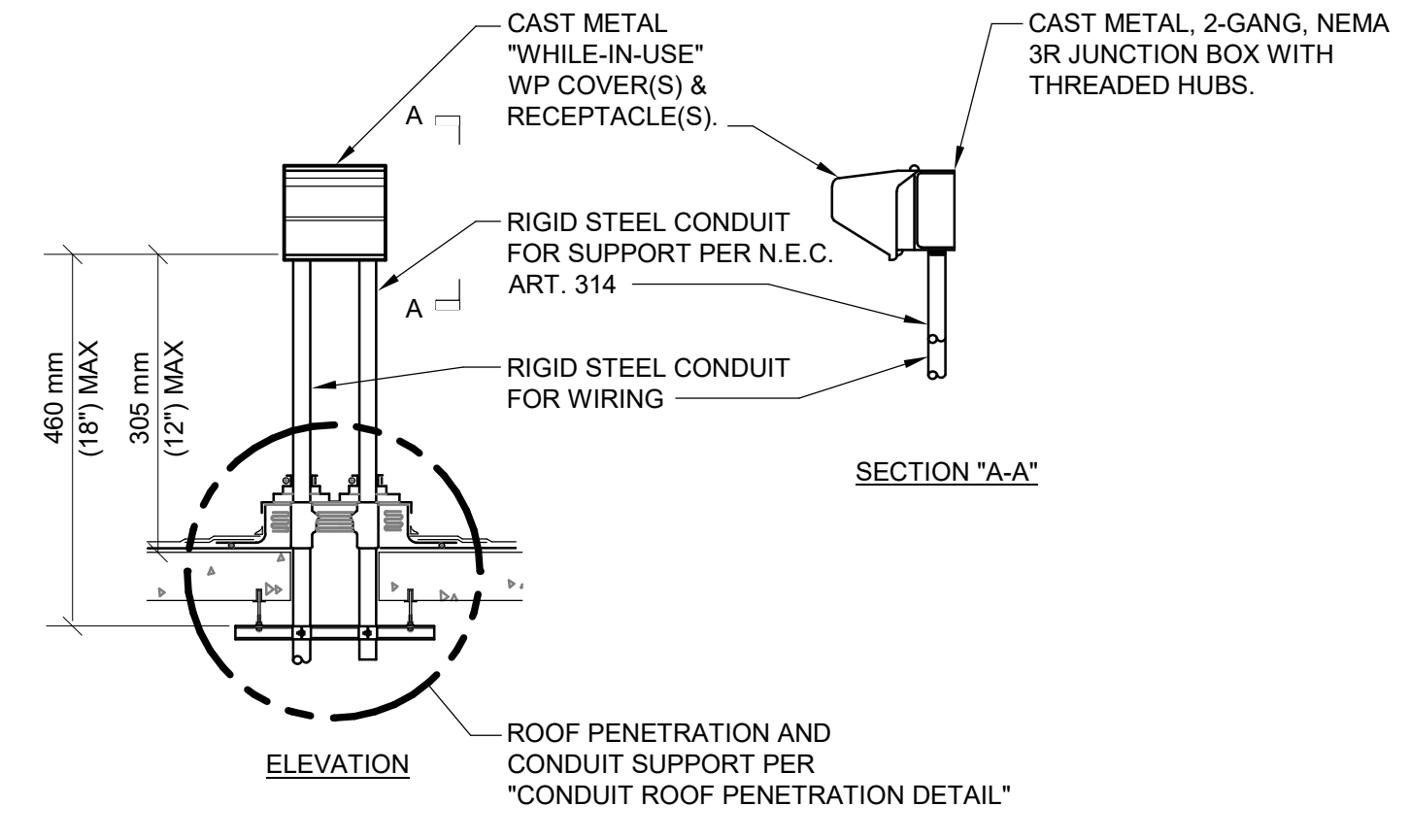
VA PROJECT NUMBER  
**589-A5-19-116**

BUILDING NUMBER  
**6**

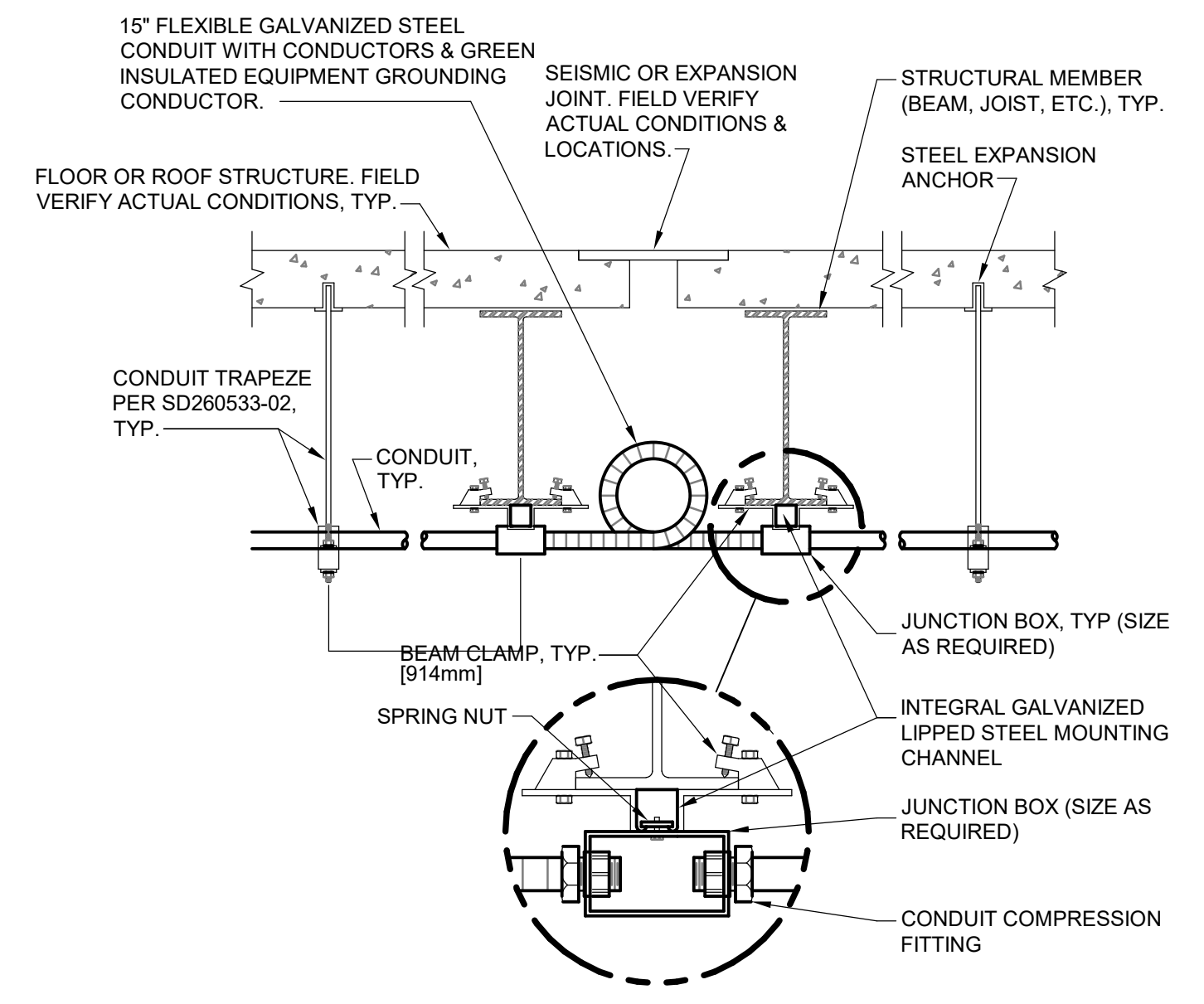
DRAWING NUMBER  
**6-E-401**

Dwg. 137 OF 160

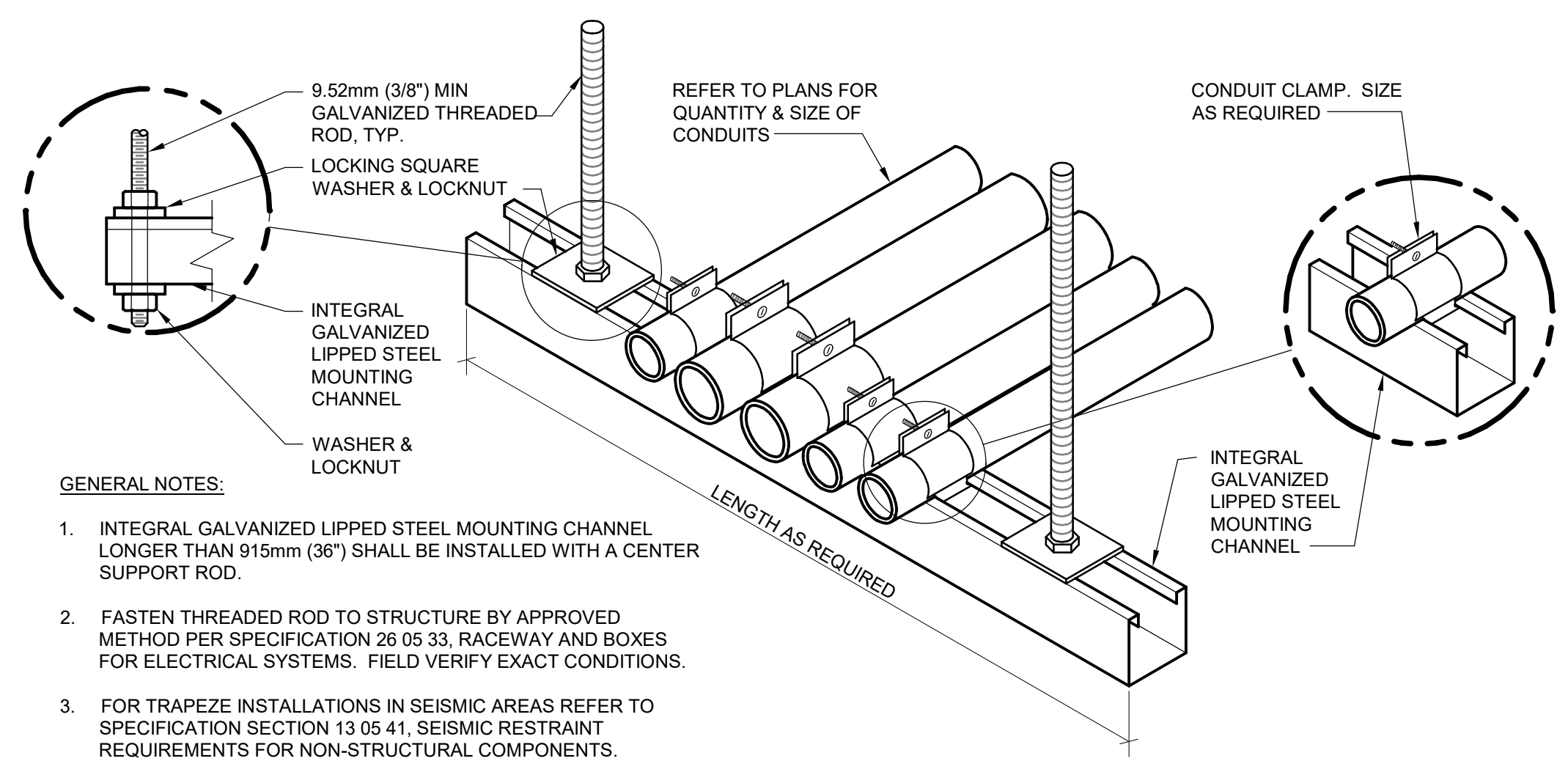




**10 VA RECEPTACLE ROOF MOUNTING DETAIL**  
NO SCALE

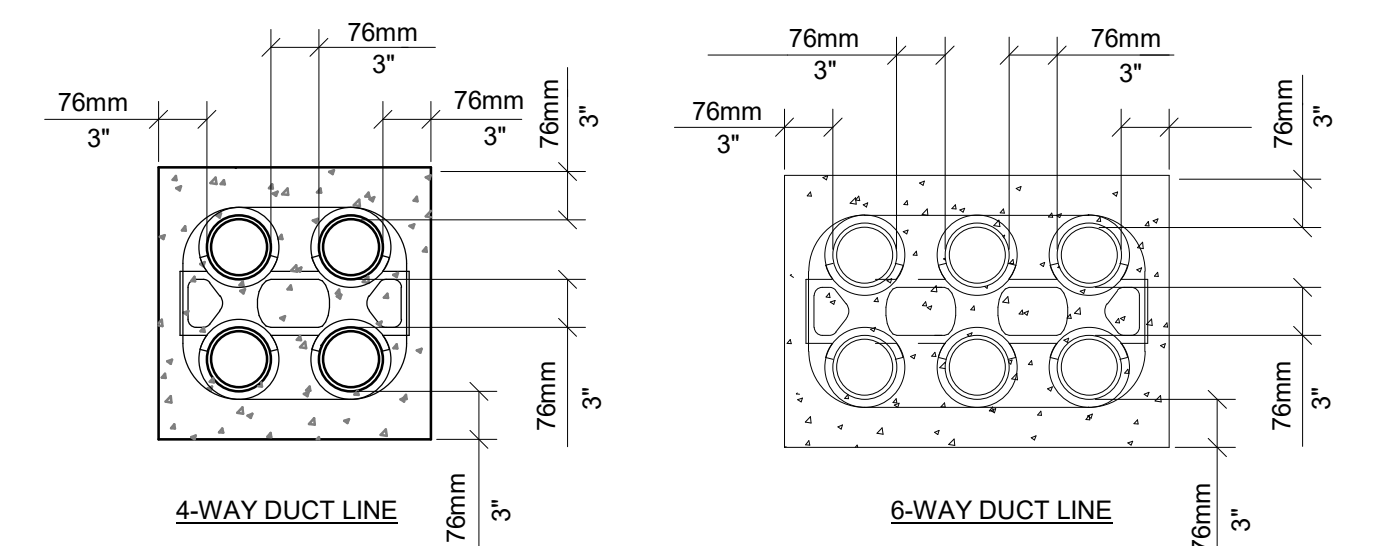


**7 CONDUIT JOINT CROSSING DETAIL**  
NO SCALE



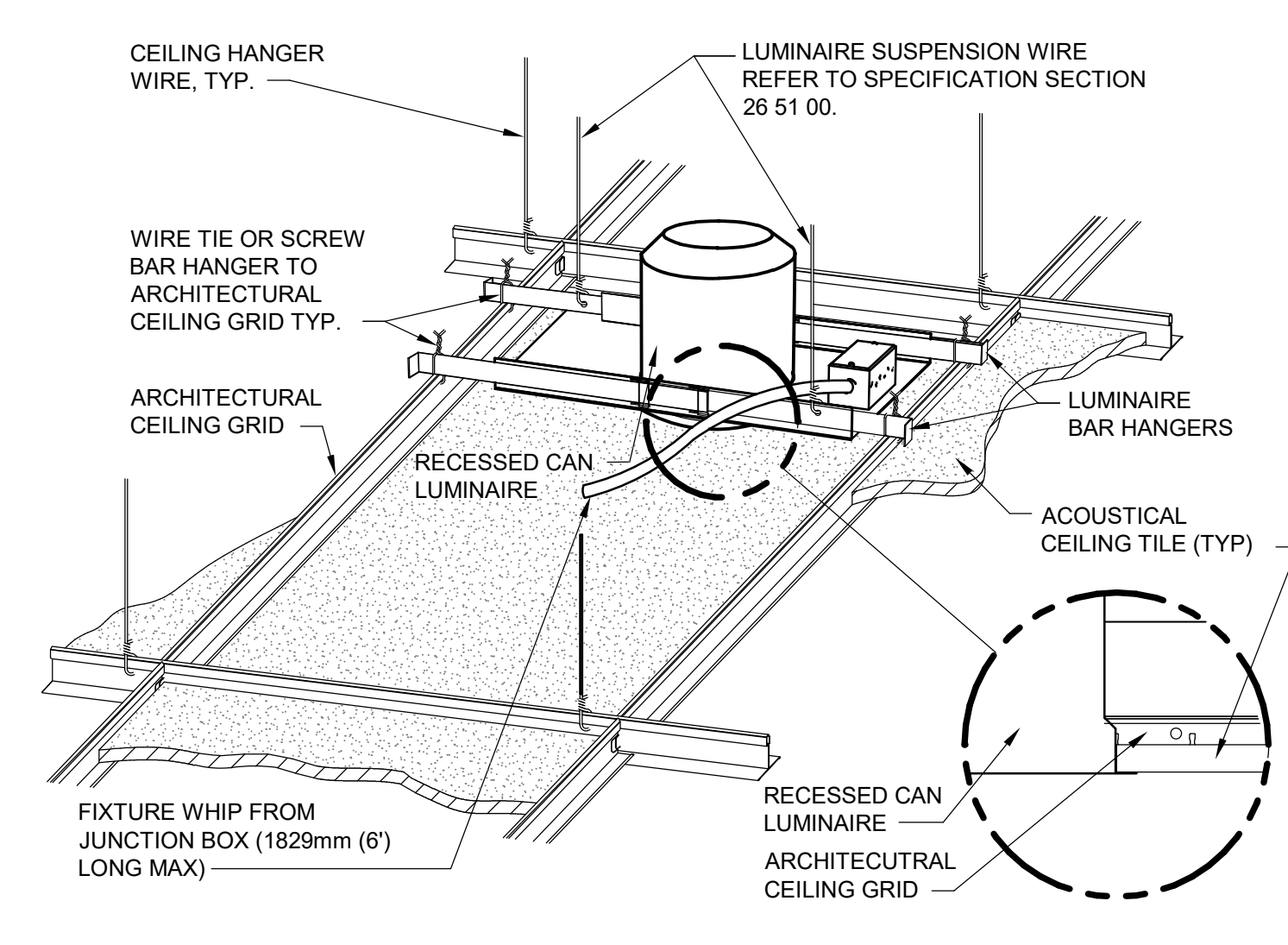
- GENERAL NOTES:**
- INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 915mm (36") SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
  - FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
  - FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

**11 CONDUIT TRAPEZE MOUNTING DETAIL**  
NO SCALE



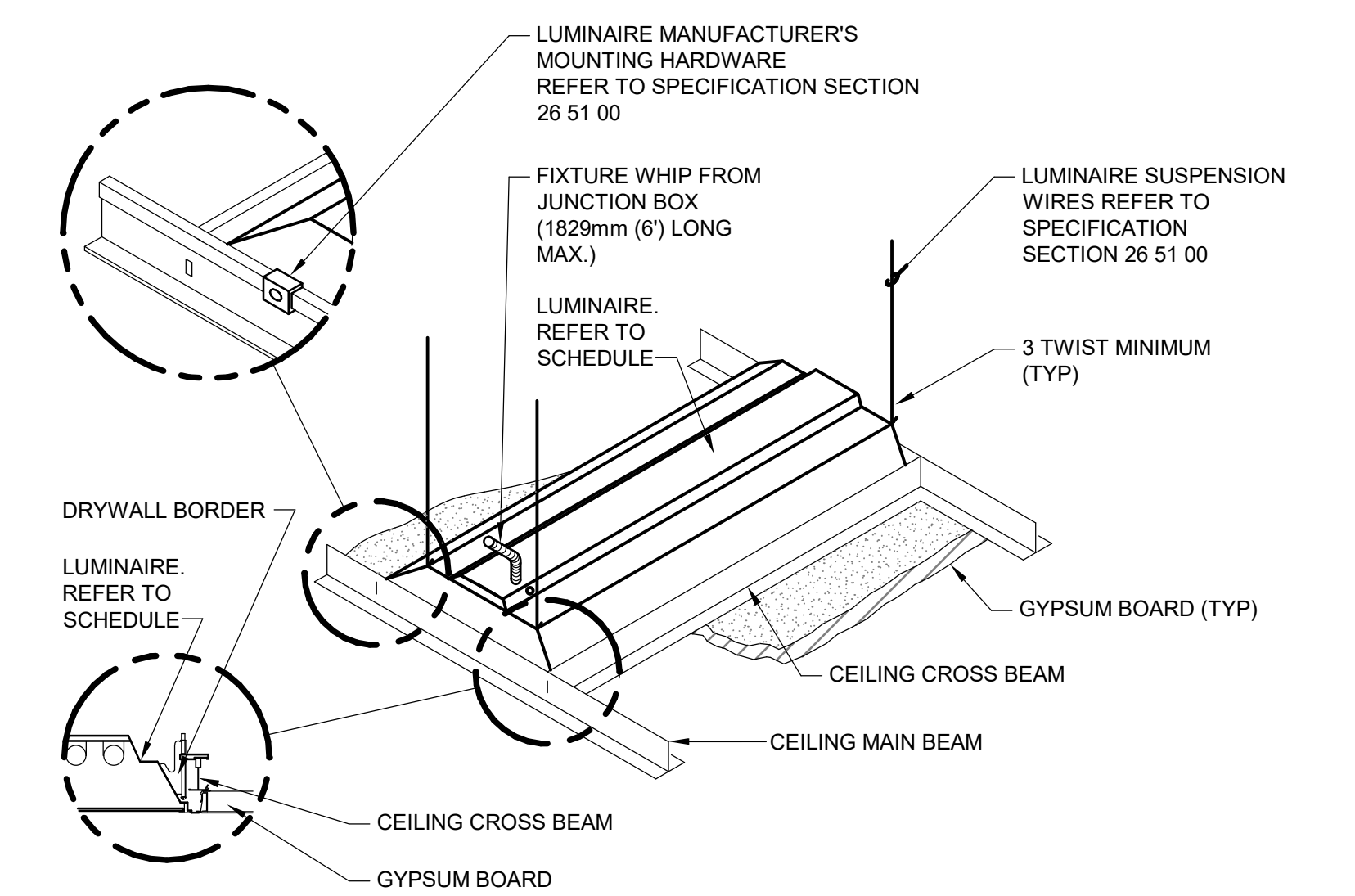
- GENERAL NOTES:**
- CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
  - PROVIDE #4 REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
  - MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 610mm (24") OR AS OTHERWISE SPECIFIED IN SECTION 26 05 41.
  - PROVIDE MINIMUM 153mm (6") SPACE BETWEEN POWER AND TELECOMMUNICATION DUCTS. INCREASE SIZE AS REQUIRED.
  - INNERDUCT QUANTITY AND SIZE AS INDICATED ON PLANS.

**8 DUCT BANK DETAIL**  
NO SCALE



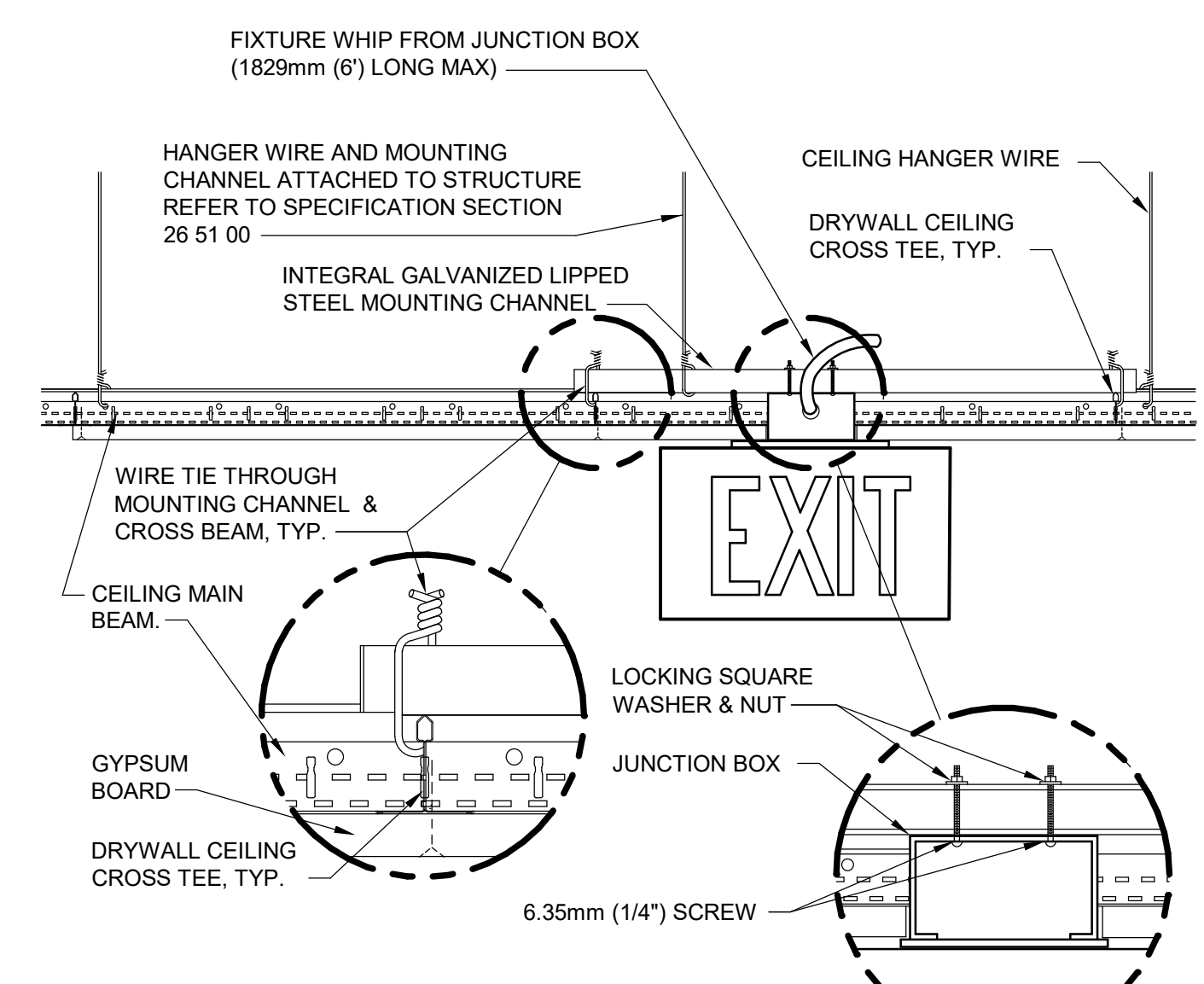
- GENERAL NOTE:**
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE.

**4 DOWNLIGHT MOUNTING - LAY - IN CEILING**  
NO SCALE



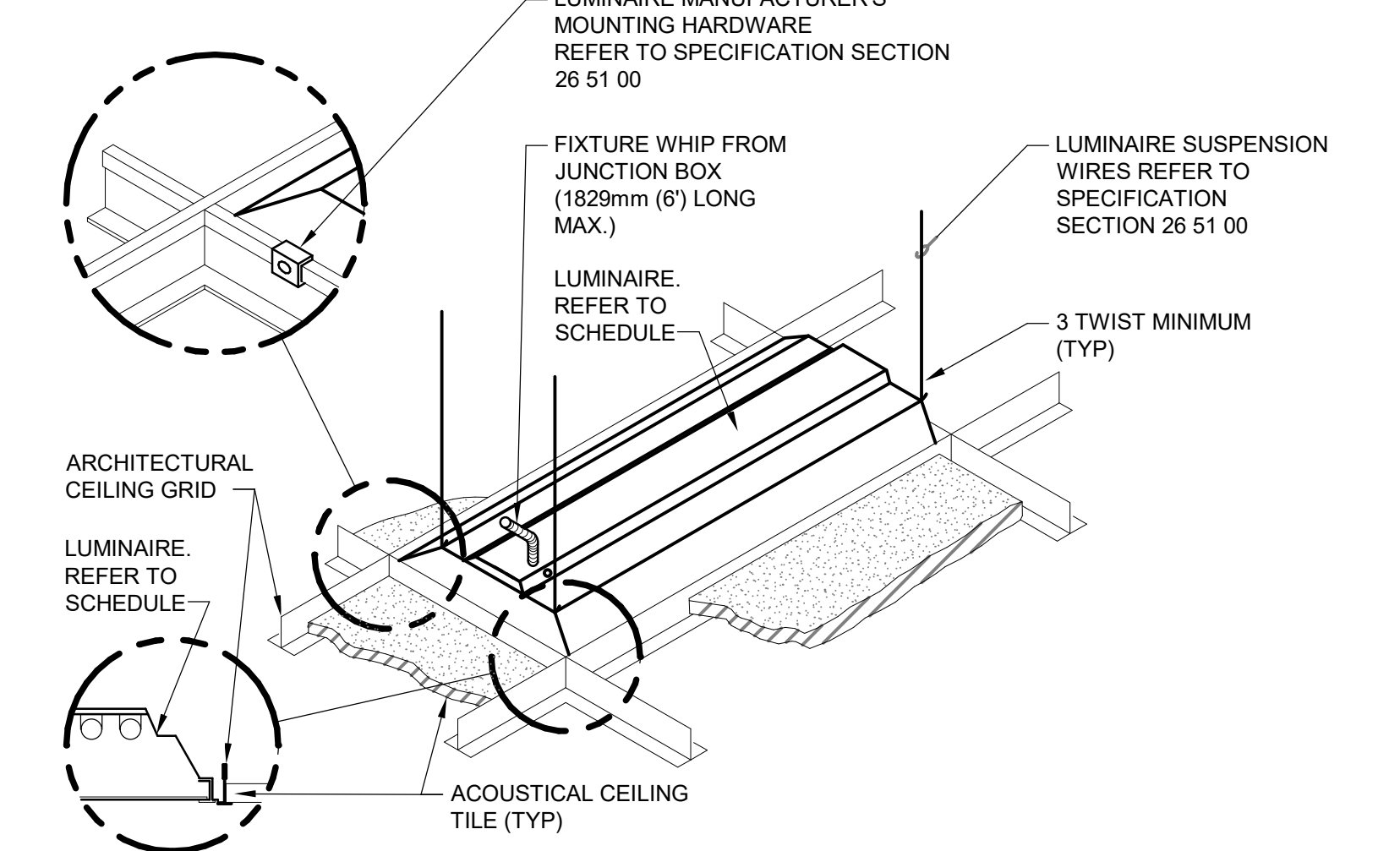
- GENERAL NOTE:**
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

**1 LUMINAIRE MOUNTING - GYPBOARD CEILING**  
NO SCALE



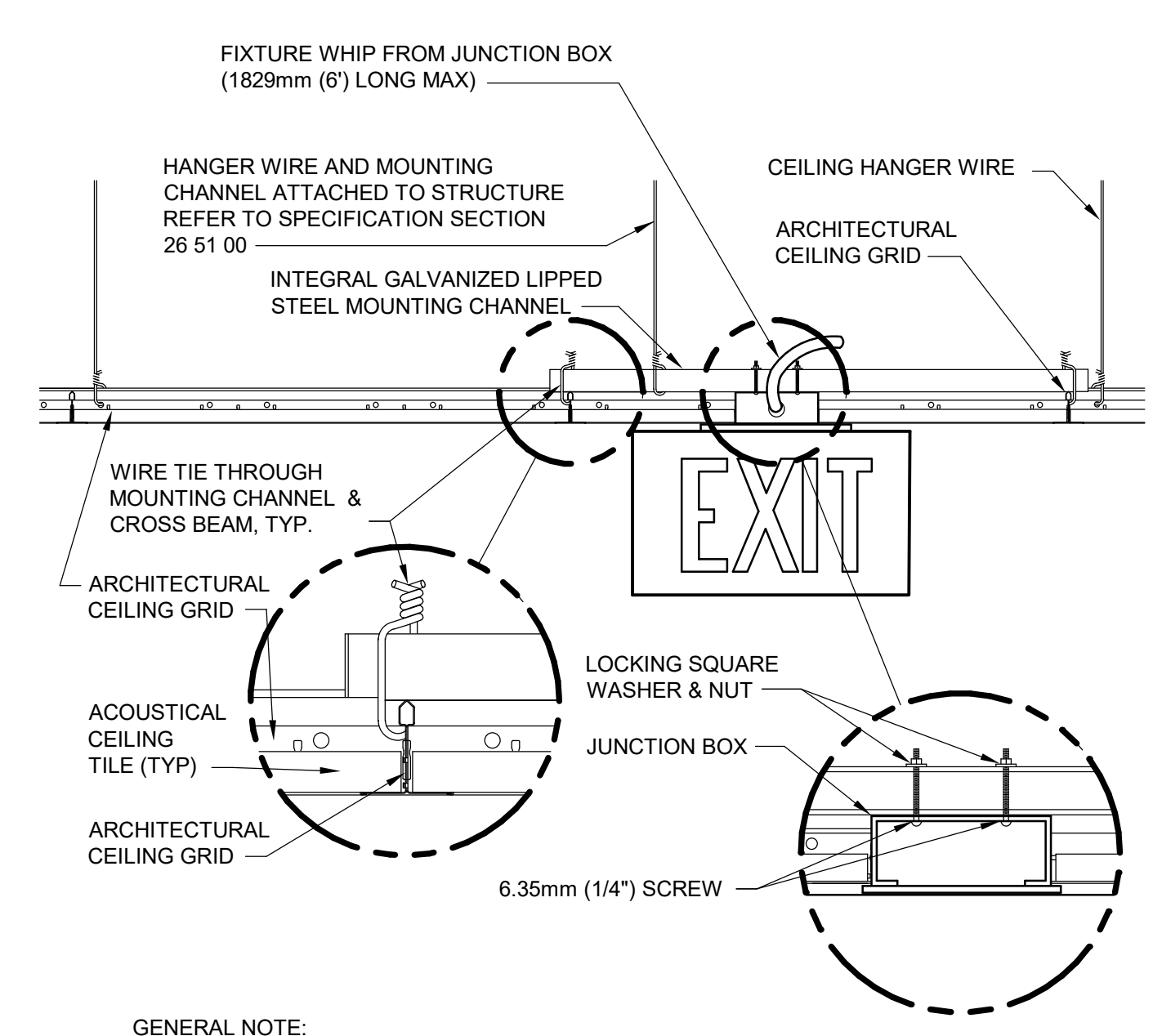
- GENERAL NOTE:**
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

**5 EXIT SIGN MOUNTING - GYPBOARD CEILING**  
NO SCALE



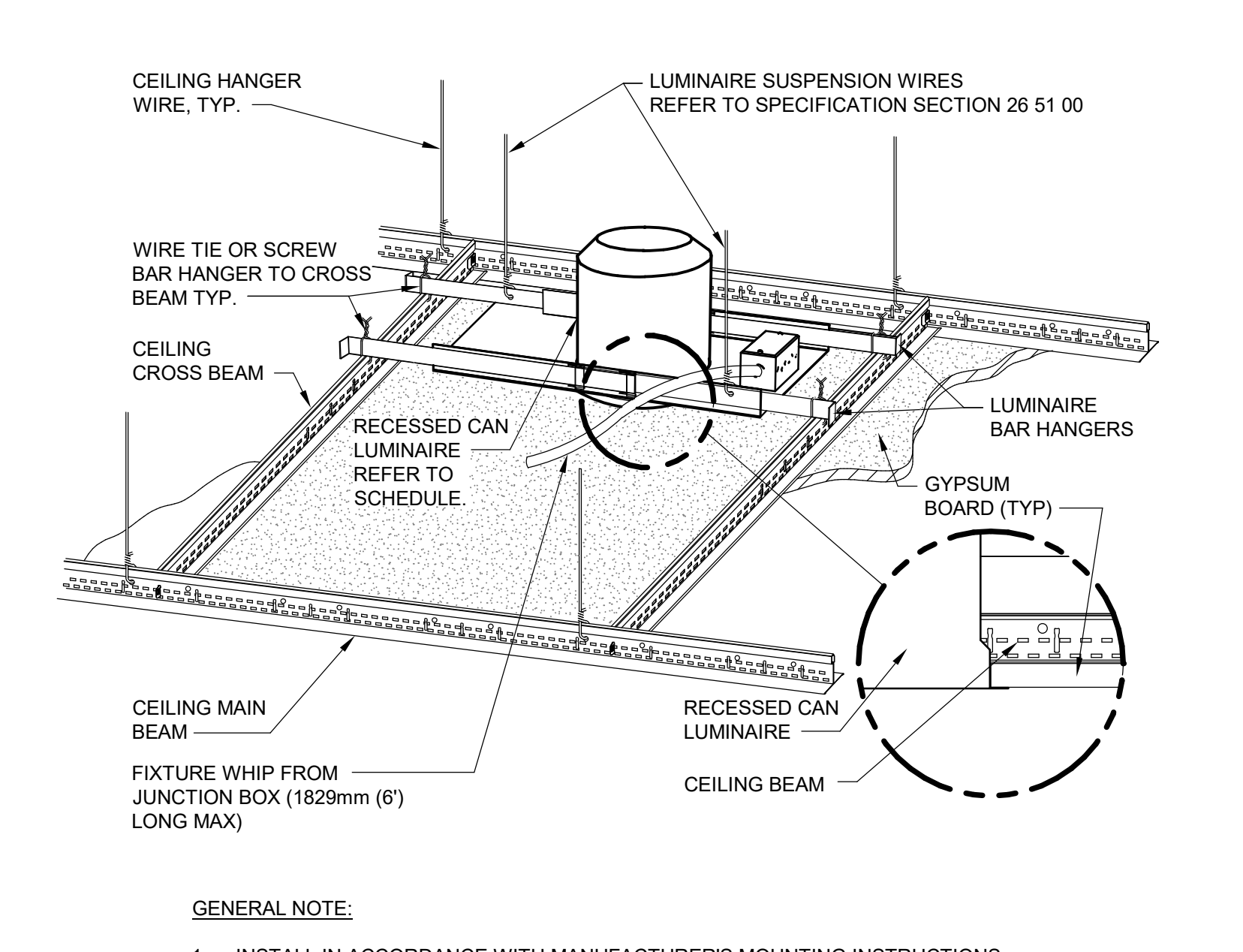
- GENERAL NOTE:**
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

**2 VA LUMINAIRE MOUNTING - LAY - IN CEILING**  
NO SCALE



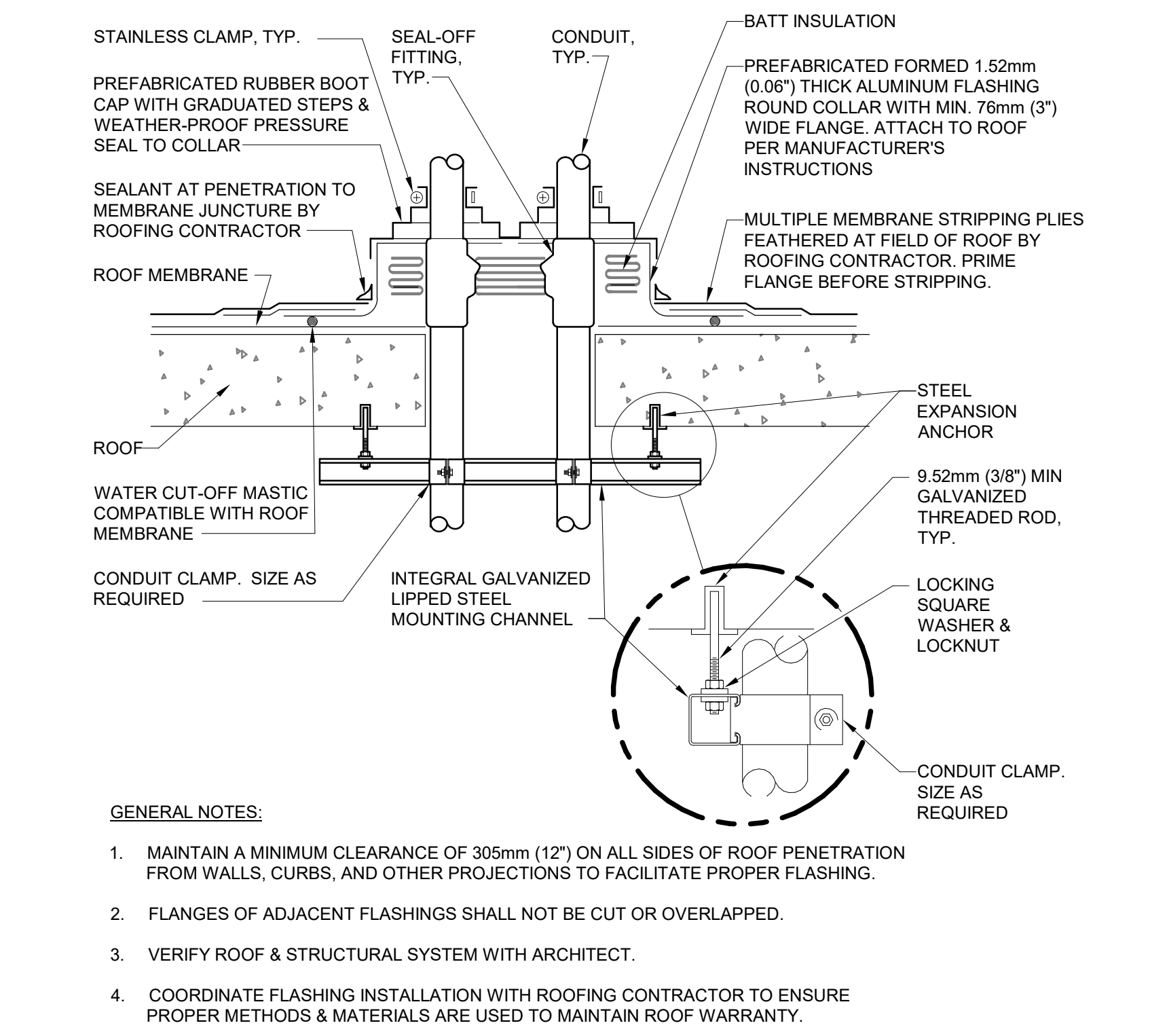
- GENERAL NOTE:**
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

**6 EXIT SIGN MOUNTING - LAY - IN CEILING**  
NO SCALE



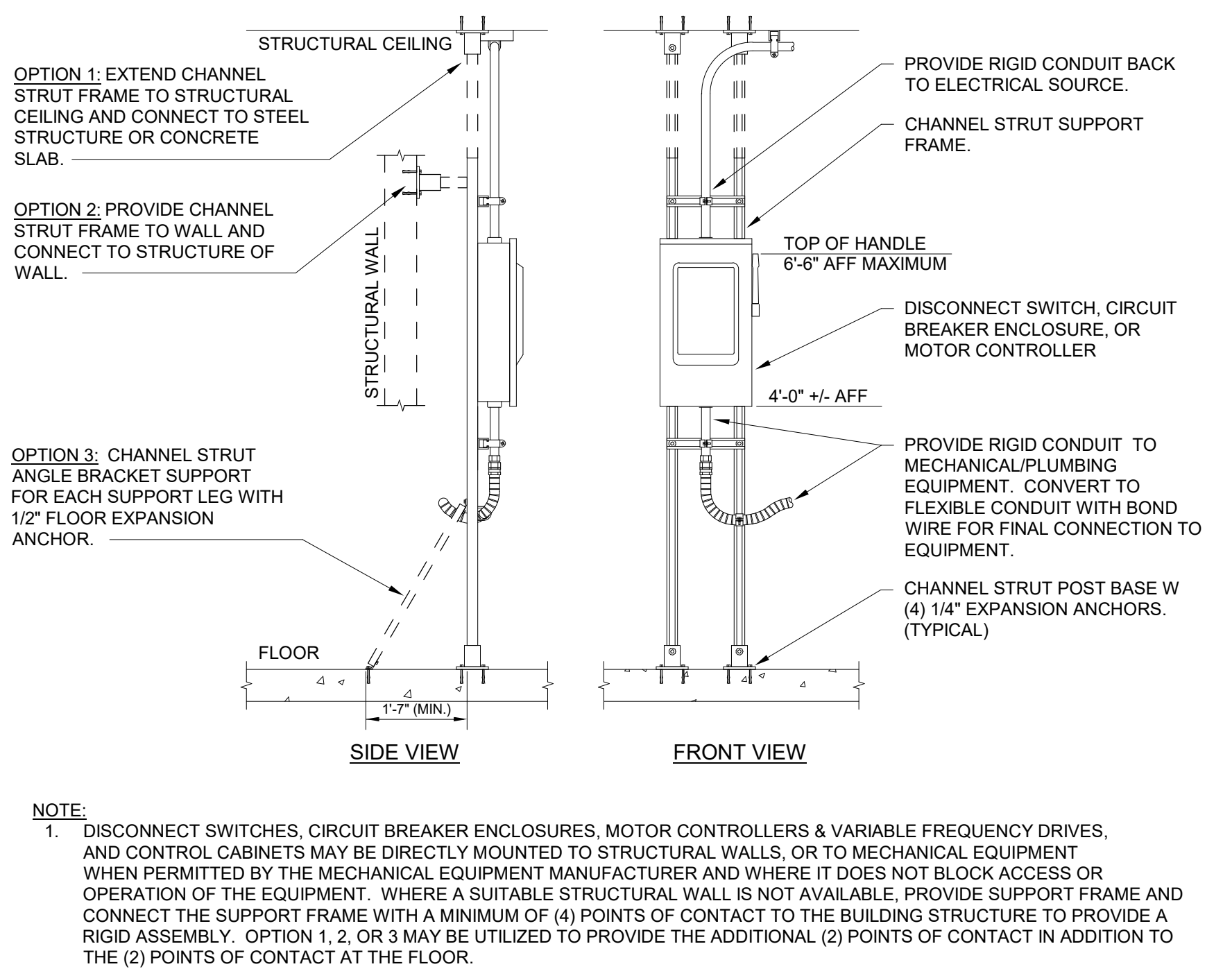
- GENERAL NOTE:**
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

**3 VA DOWNLIGHT MOUNTING - GYPBOARD CEILING**  
NO SCALE



- GENERAL NOTES:**
- MAINTAIN A MINIMUM CLEARANCE OF 305mm (12") ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
  - FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.
  - VERIFY ROOF & STRUCTURAL SYSTEM WITH ARCHITECT.
  - COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.

**12 CONDUIT ROOF MOUNTING DETAIL**  
NO SCALE

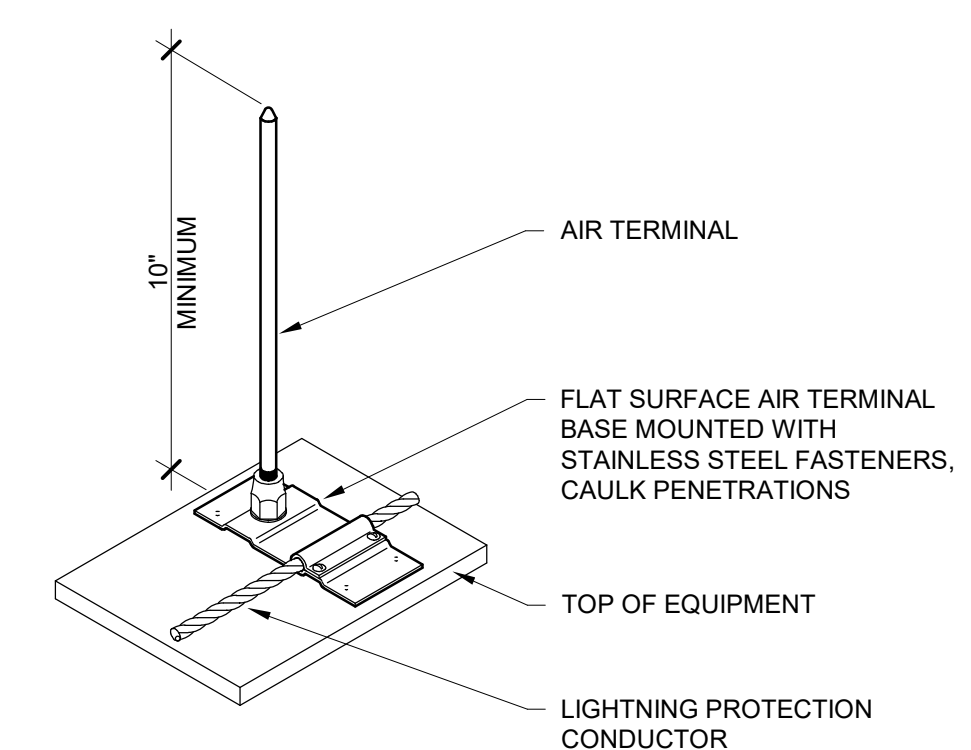


- NOTE:**
- DISCONNECT SWITCHES, CIRCUIT BREAKER ENCLOSURES, MOTOR CONTROLLERS & VARIABLE FREQUENCY DRIVES, AND CONTROL CABINETS MAY BE DIRECTLY MOUNTED TO STRUCTURAL WALLS, OR TO MECHANICAL EQUIPMENT WHEN PERMITTED BY THE MECHANICAL EQUIPMENT MANUFACTURER AND WHERE IT DOES NOT BLOCK ACCESS OR OPERATION OF THE EQUIPMENT. WHERE A SUITABLE STRUCTURAL WALL IS NOT AVAILABLE, PROVIDE SUPPORT FRAME AND CONNECT THE SUPPORT FRAME WITH A MINIMUM OF (4) POINTS OF CONTACT TO THE BUILDING STRUCTURE TO PROVIDE A RIGID ASSEMBLY. OPTION 1, 2, OR 3 MAY BE UTILIZED TO PROVIDE THE ADDITIONAL (2) POINTS OF CONTACT IN ADDITION TO THE (2) POINTS OF CONTACT AT THE FLOOR.

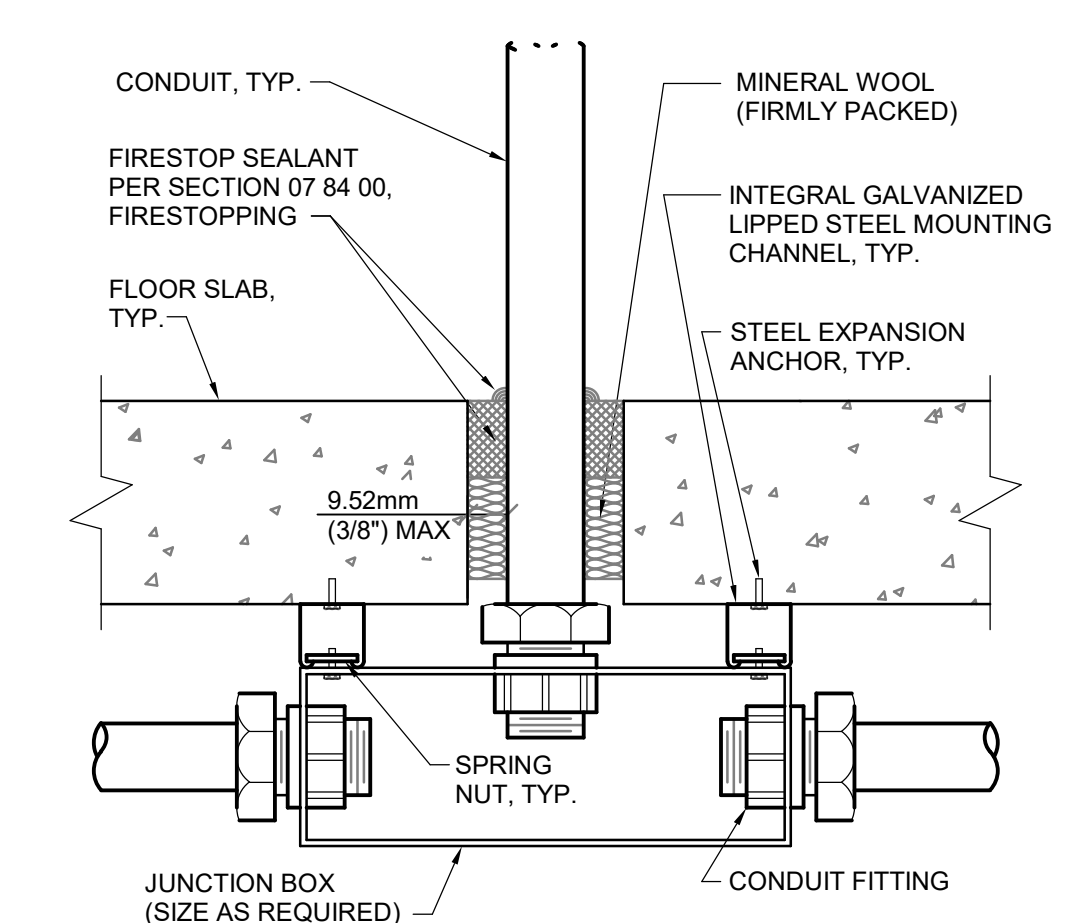
**9 ELECTRICAL EQUIPMENT MOUNTING DETAIL**  
NO SCALE

<b>CONSULTANT INFORMATION</b>			<b>ARCHITECT</b>			<b>Office of Construction and Facilities Management</b>			<b>SHEET TITLE</b> ELECTRICAL DETAILS			<b>PROJECT PHASE</b> BID DOCUMENTS			<b>PROJECT TITLE</b> RENOVATE A & B WING BLDG 6			<b>VA PROJECT NUMBER</b> 589-A5-19-116														
STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169			MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100			FIRE PROTECTION ENGINEER PEOPLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650			<b>SPUR DESIGN</b> 312 SW 23th Street Overland Park, KS 66204 913-214-2169 spur-design.com			10000 King Street, Suite 300 Overland Park, KS 66204 913-214-2169 spur-design.com			U.S. Department of Veteran Affairs			APPROVED: PROJECT DIRECTOR			FULLY SPRINKLERED			PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622			BUILDING NUMBER 6			DRAWING NUMBER 6-E-501		
Revision #			Date			KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019			Professional Engineer KANSAS 16527 04/10/2019			DATE 07/10/2019			CHECKED BY BEN			DRAWN BY ABM			Dwg. 138 OF 160											

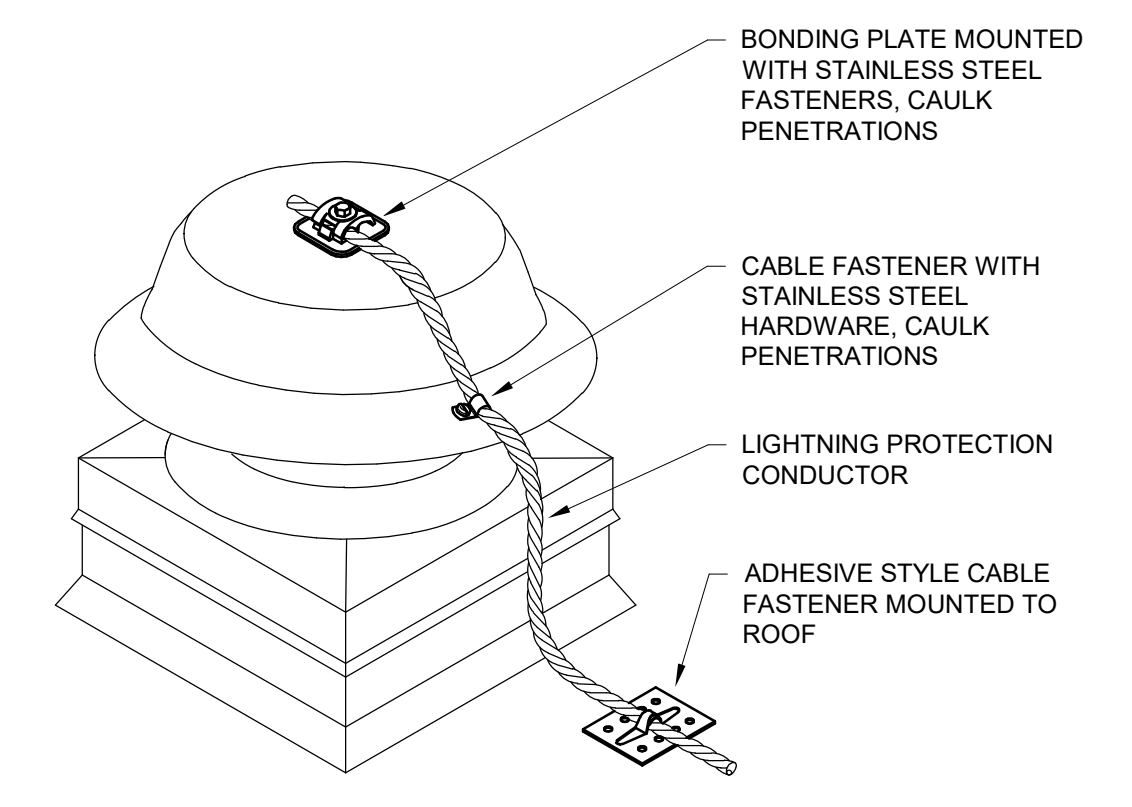
A  
B  
C  
D  
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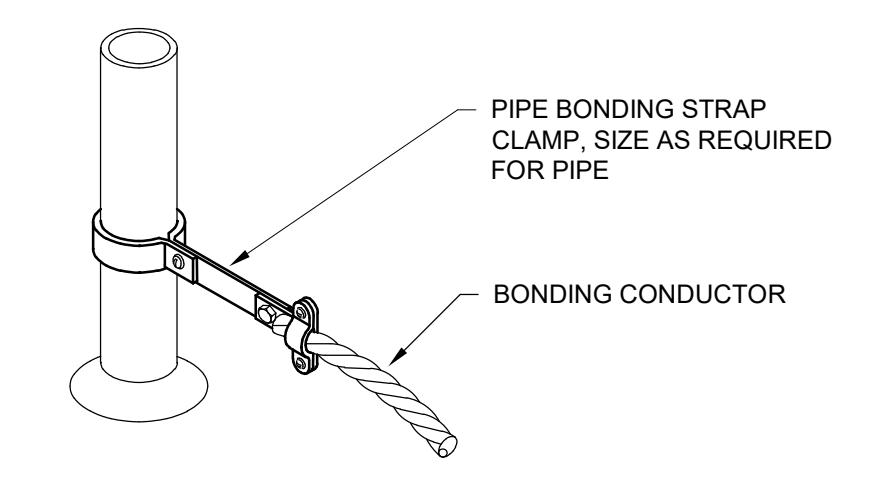
4 AIR TERMINAL ON EQUIPMENT  
NO SCALE



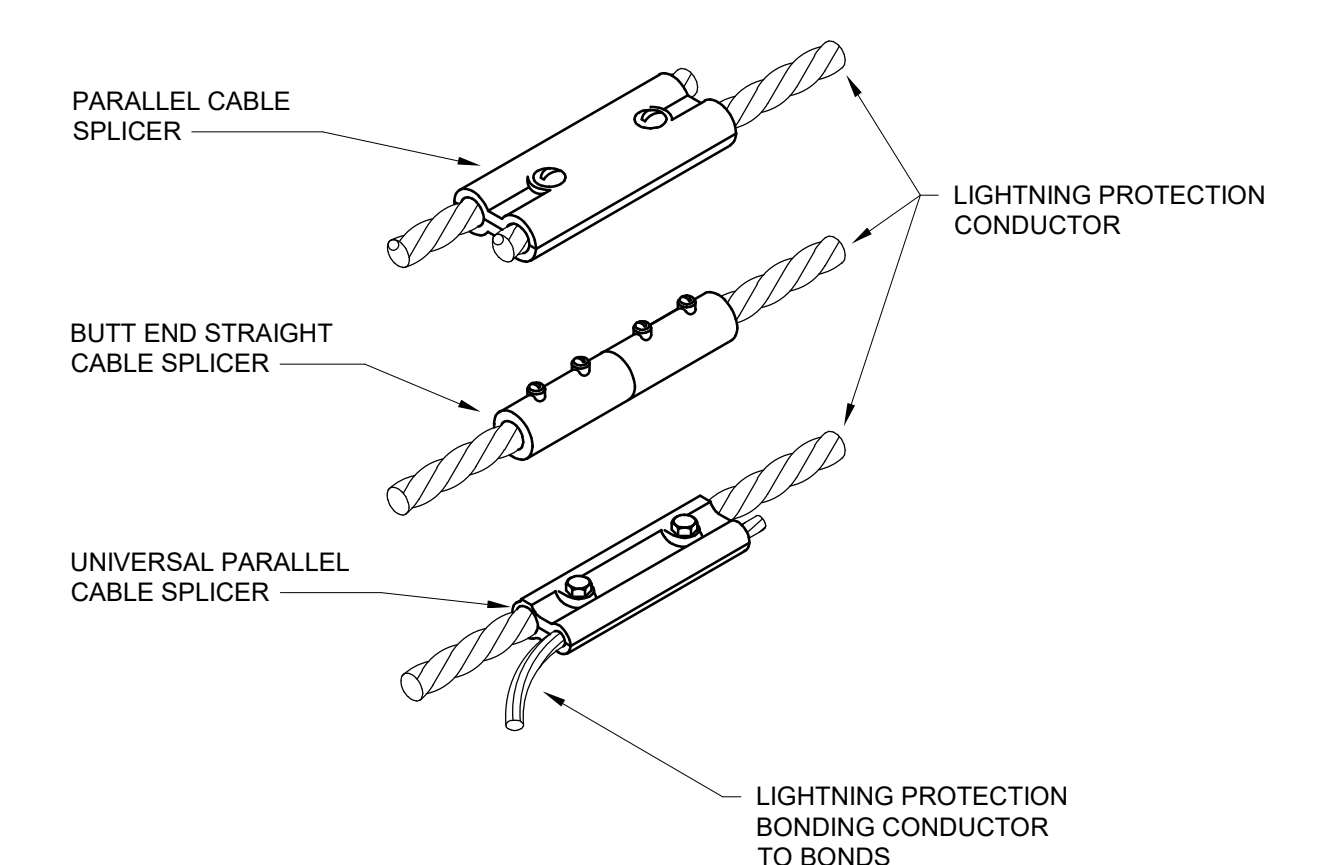
1 FLOOR SLAB PENETRATION DETAIL  
NO SCALE




5 MECHANICAL UNIT BONDING TERMINAL  
NO SCALE



2 VENT THRU ROOF DETAIL  
NO SCALE



3 SPLICERS/CONDUCTORS  
NO SCALE

<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  512 5th Street Overland Park, KS 66159 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com  04/10/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE <b>ELECTRICAL DETAILS</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622 DATE 07/10/2019 CHECKED BY BEN DRAWN BY ABM		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-E-502</b> Dwg. 139 OF 160	
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- GENERAL NOTES:**
- FEEDER AND BRANCH CIRCUIT LENGTHS SHOWN ARE FOR CALCULATION PURPOSES ONLY AND NOT TO BE USED FOR BIDDING PURPOSES. FIELD VERIFY EXACT ROUTINGS AND REQUIRED LENGTHS. PROVIDE FINAL CALCULATIONS FOR NEW EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTION 26.05.3.
  - PROVIDE SIGNAGE ON MSB AND MSB2 INDICATING "MAIN INDOOR DISCONNECT #1 OF 2" AND "MAIN INDOOR DISCONNECT #2 OF 2". MAIN SERVICE DISCONNECT SWITCHES ARE LOCATED WITHIN SECONDARY COMPARTMENTS OF OUTDOOR PAD-MOUNTED BUILDING SERVICE TRANSFORMER.
- ELECTRICAL PLAN NOTES:**
- REMOVE CONDUIT AND CONDUCTORS BACK TO NEAREST ACCESSIBLE LOCATION ABOVE CEILING.
  - FIELD VERIFY AND MATCH EXISTING CONDUIT AND CONDUCTOR SIZE AND EXTEND TO NEW BREAKER IN DISTRIBUTION BOARD EMOB.
  - PROVIDE TEMPORARY PANELBOARD IN THE EXISTING PHYSICAL THERAPY ROOM DURING PHASE #1 DEMOLITION. REMOVE PANELBOARD DURING PHASE #2 DEMOLITION. PANELBOARD IS NOT REQUIRED IF ALTERNATIVE #1 IS SELECTED.
  - REFER TO 6-EP101A FOR LOCATION OF NEW AND EXISTING TAP BOXES.
  - MAIN SERVICE ENTRANCE DISCONNECT DISCONNECT SWITCH TO BE LOCATED WITHIN TRANSFORMER SECONDARY ENCLOSURE.
  - PROVIDE RED PLACARD ADJACENT TO MAIN CIRCUIT BREAKER WITH "1" TALL, WHITE LETTERING INDICATING "BUILDING SERVICE DISCONNECT SWITCH #1 OF 2". SERVICE DISCONNECT SWITCH #2 OF 2 LOCATED IN THIS ELECTRICAL ROOM.
  - PROVIDE RED PLACARD ADJACENT TO MAIN CIRCUIT BREAKER WITH "1" TALL, WHITE LETTERING INDICATING "BUILDING SERVICE DISCONNECT SWITCH #2 OF 2". SERVICE DISCONNECT SWITCH #1 OF 2 LOCATED IN THIS ELECTRICAL ROOM.

**MSB2 (NEW) LOAD SUMMARY**

SERVICE DESCRIPTION: 208Y/120V, 3PH, 4W  
BUILDING AREA: 21730  
OCCUPANCY TYPE: I

LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
EXISTING LOAD (E)	0	125%	0
COOLING (C)	0	0.00%	0
HEATING (H)	0	0.00%	0
LIGHTING (L) (Per NEC T220.12)	43.46	125%	54.33
EXTERIOR LIGHTING	0	125%	0
RECEPTACLES (R) (Per NEC T220.44)	75.96	57%	42.98
MOTORS (M)	144.18	100%	144.18
LARGEST MOTOR	12.35	125%	15.44
SUPPLEMENTAL ELECTRIC HEAT (Y)	0	100%	0
MISCELLANEOUS EQUIPMENT (Z)	74.22	100%	74.22
TOTAL LOAD	350.17	KVA	331.15
TOTAL AMPACITY	888	AMPS	920
SERVICE AMPACITY	1200	AMPS	1200
SPARE CAPACITY		AMPS	280

**EMDB2 (NEW) LOAD SUMMARY**

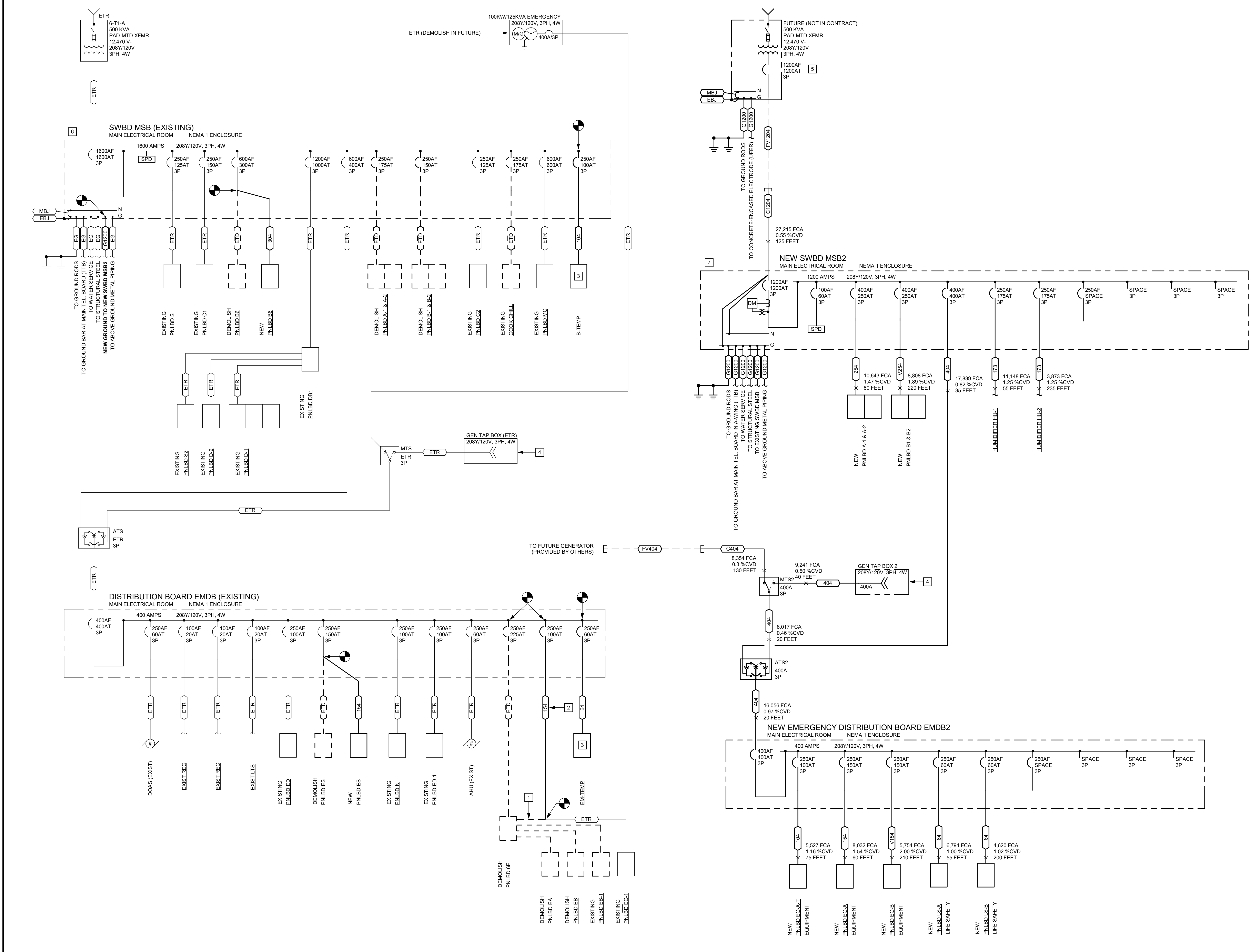
SERVICE DESCRIPTION: 208Y/120V, 3PH, 4W  
BUILDING AREA: 21730  
OCCUPANCY TYPE: I

LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
EXISTING LOAD (E)	0	125%	0
COOLING (C)	0	0.00%	0
HEATING (H)	0	0.00%	0
LIGHTING (L) (Per NEC T220.12)	1.8	125%	2.25
EXTERIOR LIGHTING	0	125%	0
RECEPTACLES (R) (Per NEC T220.44)	16.32	81%	13.01
MOTORS (M)	33.64	100%	33.64
LARGEST MOTOR	4.03	125%	5.03
SUPPLEMENTAL ELECTRIC HEAT (Y)	0	100%	0
MISCELLANEOUS EQUIPMENT (Z)	25.38	100%	25.38
TOTAL LOAD	80.87	KVA	78.86
TOTAL AMPACITY	225	AMPS	219
SERVICE AMPACITY	400	AMPS	400
SPARE CAPACITY		AMPS	181

**FEEDER/BRANCH CIRCUIT SCHEDULE**

TAG #	AMPS	DESCRIPTION
84	60A	(4)#8, (1)#10G, 1 IN. C
84	80A	(4)#4, (1)#6G, 1-1/4 IN. C
104	100A	(4)#3, (1)#6G, 1-1/4 IN. C
154	150A	(4)#1/0, (1)#6G, 1-1/2 IN. C
173	175A	(3)#2/0, (1)#6G, 1-1/2 IN. C
224	225A	(4)#4/0, (1)#4G, 2-1/2 IN. C
254	250A	(4) 250KCMIL, (1)#4G, 2-1/2 IN. C
304	300A	(4) 350KCMIL, (1)#4G, 3 IN. C
404	400A	(2) 2 IN. C, EACH W/ (4)#3/0, (1)#3G
C404	N/A	(4) 3 IN. C, EXTEND 5 FT BEYOND BUILDING AND CAP FOR FUTURE CONNECTION
C1204	N/A	(6) 3-1/2 IN. C, EXTEND 5 FT BEYOND BUILDING AND CAP FOR FUTURE CONNECTION
EBJ	N/A	EQUIPMENT BONDING JUMPER
EG	N/A	EXISTING COPPER GROUND TO REMAIN
ETD	N/A	EXISTING TO DEMO
ETR	N/A	EXISTING TO REMAIN
FV404	400A	FUTURE (4) 3 IN. C, EACH W/ (4) 250KCMIL, (1) 250KCMIL G, UPSIZED FOR VOLTAGE DROP
FV1204	1200A	FUTURE (6) 3-1/2 IN. C, EACH W/ (4) 500KCMIL, (1) 400KCMIL G, UPSIZED FOR VOLTAGE DROP
G1200	GND	#30 COPPER GROUND, 3/4 IN. C
MBJ	N/A	MAIN BONDING JUMPER
V154	150A	(4) 350KCMIL, (1)#1/0G, 3 IN. C
V254	250A	(2) 2-1/2 IN. C, EACH W/ (4)#4/0, (1)#1/0G, UPSIZED FOR VOLTAGE DROP

NOTE: ALL CONDUCTOR SIZES ARE BASED ON 75 DEGREE C RATED TERMINATION AND COPPER CONDUCTORS WITH TYPE THHN/THWN-2 INSULATION. FOR TERMINATION OF INSULATION TYPES RATED LESS THAN 75 DEGREE C, MODIFY SIZES ACCORDING TO NFPA 70.



**1 ELECTRICAL ONE-LINE DIAGRAM**  
NO SCALE

<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11927 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b>  333 SW 20th Street, Overland Park, KS 66209 10000 King Street, Suite 300, Overland Park, KS 66210 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs SHEET TITLE: ELECTRICAL ONE-LINE DIAGRAM APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622 VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-E-601 DATE: 07/10/2019 CHECKED BY: JGW DRAWN BY: BEN Dwg. 140 OF 160	
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### OCCUPANCY SENSOR AND SWITCH SCHEDULE

**GENERAL NOTES:**

- SENSOR LAYOUT BASED ON COVERAGE PATTERNS OF MANUFACTURER INDICATED BELOW. ADJUST QUANTITIES AND LOCATIONS FOR ALTERNATE MANUFACTURERS.
- PROVIDE ALL SENSORS FROM SAME MANUFACTURER.
- VERIFY COLOR(S) FOR WALL SWITCHES WITH COR.
- ALL SENSORS SHALL HAVE AN ADJUSTABLE TIME DELAY RANGE OF 30 SECONDS TO 30 MINUTES, UNLESS NOTED OTHERWISE.
- DO NOT INSTALL LINE VOLTAGE SENSORS ON GFCI PROTECTED CIRCUITS.

**NOTES:**

- WALL SWITCH SENSOR REQUIRES NEUTRAL CONDUCTOR FOR OPERATION.

SYMBOL TYPE	BASIS OF DESIGN: MANUFACTURER AND MODEL	VOLTAGE	COVERAGE	ON MODE	TIME DELAY	DESCRIPTION	NOTES
PP <sub>RC1</sub>	WATTSTOPPER: LMRC-211-U	120/277V, 24V DC, 0-10V DC DIMMING	N/A	N/A	N/A	ONE RELAY/ZONE DIGITAL ROOM CONTROLLER WITH 0-10V DIMMING OUTPUT AND CATSE NETWORKING WITH CONTROL DEVICES.	
PP <sub>RC2</sub>	WATTSTOPPER: LMRC-212-U	120/277V, 24V DC, 0-10V DC DIMMING	N/A	N/A	N/A	TWO RELAY/ZONE DIGITAL ROOM CONTROLLER WITH 0-10V DIMMING OUTPUT AND CATSE NETWORKING WITH CONTROL DEVICES.	
PP <sub>LED</sub>	CONTECH LIGHTING TAPELIGHT ACCESSORIES	120/277V, 24V DC, 0-10V DC DIMMING	N/A	N/A	N/A	12V HARDWIRE POWER SUPPLY, LED POWER REPEATER AND 0-10V DIMMING MODULE. REFER TO DETAIL 1, SHEET 6-E-7/2 FOR ADDITIONAL ACCESSORIES.	
ES	WATTSTOPPER: ELCU-200	120/277V, 24V DC REMOTE	N/A	N/A	N/A	EMERGENCY LIGHTING CONTROL UNIT. PROVIDE WITH ENCLOSURE AND MOUNT ABOVE CEILING. PROVIDE CONNECTION TO REMOTE TEST SWITCH.	
CS <sub>PS</sub>	WATTSTOPPER: LMLS-400-U	24V DC INPUT	N/A	N/A	N/A	CEILING MOUNTED, AUTOMATIC DIMMING DIGITAL PHOTOSENSOR COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING AND WITH FULL RANGE DIMMING WITH FOOTCANDLE SETPOINTS FROM 20-60 FC. SET SENSOR FOR 35 FC.	
CS <sub>01</sub>	WATTSTOPPER: LMDC-100-U	24V DC INPUT	MINIMUM 28', 360 DEGREE RADIAL COVERAGE AT 9' MOUNTING HEIGHT	MANUAL	20 MINUTES	CEILING MOUNTED, DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING.	
CS <sub>02</sub>	WATTSTOPPER: LMDC-100-U	24V DC INPUT	MINIMUM 28', 360 DEGREE RADIAL COVERAGE AT 9' MOUNTING HEIGHT	AUTO	20 MINUTES	CEILING MOUNTED, DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING.	
LV <sub>1</sub> \$	WATTSTOPPER: LMSW-101-U	24V DC INPUT	N/A	MANUAL	N/A	LOW VOLTAGE, 1-BUTTON DIGITAL LIGHT SWITCH COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING.	
LV <sub>2</sub> \$	WATTSTOPPER: LMMD-103-U	24V DC INPUT	N/A	MANUAL	N/A	LOW VOLTAGE, 3-BUTTON DIGITAL LIGHT SWITCH COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING.	
LV <sub>3</sub> \$	WATTSTOPPER: LMMD-101-U	24V DC INPUT	N/A	MANUAL	N/A	LOW VOLTAGE, 1-BUTTON DIGITAL LIGHT SWITCH COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING.	
OS <sub>1</sub> \$	WATTSTOPPER: DW-100-U	120/277V	N/A	MANUAL	10 MINUTES	LINE VOLTAGE, 1-BUTTON DUAL TECHNOLOGY OCCUPANCY LIGHT SWITCH.	1
LV <sub>3D</sub> \$	WATTSTOPPER: LMDW-102-U	24V DC INPUT	N/A	MANUAL	10 MINUTES	LOW VOLTAGE, 1-BUTTON DIGITAL LIGHT SWITCH COMPATIBLE WITH DIGITAL ROOM CONTROLLER WITH CATSE NETWORKING.	
T\$	WATTSTOPPER: TS-100-U	120/277V	N/A	MANUAL	60 MINUTES	SINGLE-POLE, AUTO-OFF IN-WALL TIMER WITH ADJUSTABLE TIMING FROM 5 MINUTES TO 12 HOURS AND VISUAL AND AUDIBLE WARNING.	1

### LIGHT FIXTURE SCHEDULE

**NOTES:**

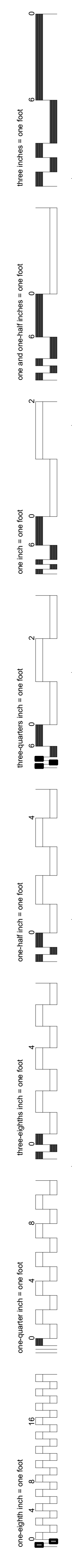
TYPE	BASIS OF DESIGN: MANUFACTURER AND MODEL	MOUNTING	LAMP		BALLAST/DRIVER		DESCRIPTION	NOTES		
			TYPE	LUMENS	COLOR TEMP	VOLTAGE			INPUT WATTS	INPUT VA
A1	COLUMBIA LJT4 SERIES: LJT24-35LG-FSA12125-E-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	4268 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	34 W	38 VA	2'x4' RECESSED STAGIC LED TROFFER, 0.125" #12 ACRYLIC LENS, 80CRI, HINGED DOOR, PAINT AFTER FABRICATION.
A1D	COLUMBIA LJT4 SERIES: LJT24-35LG-FSA12125-ED-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	4268 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	34 W	38 VA	SAME AS TYPE "A1", EXCEPT WITH DIMMABLE ELECTRONIC LED DRIVER CONTROLS.
A2D	COLUMBIA LSTE24 SERIES: LSTE24-35HG-MPO-ED-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	4375 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	43 W	48 VA	2'x4' LAY-IN LED TROFFER, DIRECT/INDIRECT LUMINAIRE WITH METAL PERFORATED BASKET, 80CRI, PAINT AFTER FABRICATION.
A3	COLUMBIA LSTE24 SERIES: LSTE24-35HG-MPO-ED-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	5626 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	61 W	68 VA	2'x4' LAY-IN LED TROFFER, DIRECT/INDIRECT LUMINAIRE WITH METAL PERFORATED BASKET, 80CRI, PAINT AFTER FABRICATION.
A3D	COLUMBIA LSTE24 SERIES: LSTE24-35HG-MPO-ED-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	5626 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	61 W	68 VA	2'x4' LAY-IN LED TROFFER, DIRECT/INDIRECT LUMINAIRE WITH METAL PERFORATED BASKET, 80CRI, PAINT AFTER FABRICATION.
A3DE	SAME AS TYPE "A3D"	LAY-IN GRID CEILING	INTEGRAL WHITE LED	5626 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	61 W	68 VA	SAME AS TYPE "A3D", EXCEPT CONNECTED TO EQUIPMENT BRANCH.
B1	COLUMBIA LSTE22 SERIES: LSTE22-35MG-MPO-ED-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	3475 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	40 W	44 VA	2'x2' LAY-IN LED TROFFER, DIRECT/INDIRECT LUMINAIRE WITH METAL PERFORATED BASKET, 80CRI, PAINT AFTER FABRICATION.
B1D	COLUMBIA LSTE22 SERIES: LSTE22-35MG-MPO-ED-U	LAY-IN GRID CEILING	INTEGRAL WHITE LED	3475 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	40 W	44 VA	2'x2' LAY-IN LED TROFFER, DIRECT/INDIRECT LUMINAIRE WITH METAL PERFORATED BASKET, 80CRI, PAINT AFTER FABRICATION.
B1DE	SAME AS TYPE "B1"	LAY-IN GRID CEILING	INTEGRAL WHITE LED	3475 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	40 W	44 VA	SAME AS TYPE "B1", EXCEPT WITH DIMMABLE ELECTRONIC LED DRIVER CONTROLS AND CONNECTED TO LIFE SAFETY BRANCH.
B1E	SAME AS TYPE "B1"	LAY-IN GRID CEILING	INTEGRAL WHITE LED	3475 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	40 W	44 VA	SAME AS TYPE "B1", EXCEPT CONNECTED TO LIFE SAFETY BRANCH.
D1	INDY L6LRM6 SERIES: L613LM35K-MVOLT-G4-80CRI-EZ10-P-WH-PF	LAY-IN GRID/ GYP. BOARD CEILING	INTEGRAL WHITE LED	1445 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	12 W	13 VA	6" ROUND LED DOWNLIGHT, 80CRI, WIDE BEAM DISTRIBUTION, WHITE FLANGE, CLEAR DIFFUSER
D1D	INDY L6LRM6 SERIES: L613LM35K-MVOLT-G4-80CRI-EZ10-P-WH-PF	LAY-IN GRID/ GYP. BOARD CEILING	INTEGRAL WHITE LED	1445 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	12 W	13 VA	SAME AS TYPE "D1", EXCEPT WITH DIMMABLE ELECTRONIC LED DRIVER CONTROLS.
D1DE	INDY L6LRM6 SERIES: L613LM35K-MVOLT-G4-80CRI-EZ10-P-WH-PF	LAY-IN GRID/ GYP. BOARD CEILING	INTEGRAL WHITE LED	1445 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	12 W	13 VA	SAME AS TYPE "D1", EXCEPT WITH DIMMABLE ELECTRONIC LED DRIVER CONTROLS AND CONNECTED TO LIFE SAFETY BRANCH.
D1E	INDY L6LRM6 SERIES: L613LM35K-MVOLT-G4-80CRI-EZ10-P-WH-PF	LAY-IN GRID/ GYP. BOARD CEILING	INTEGRAL WHITE LED	1445 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	12 W	13 VA	SAME AS TYPE "D1", EXCEPT CONNECTED TO LIFE SAFETY BRANCH.
D2D	INDY L6LRM6 SERIES: L623LM35K-MVOLT-G4-80CRI-EZ10-P-WH-PF	LAY-IN GRID/ GYP. BOARD CEILING	INTEGRAL WHITE LED	2486 lm	3500 K	0-10V LOW VOLTAGE DIMMABLE ELECTRONIC LED DRIVER	120 V	24 W	27 VA	6" ROUND LED DOWNLIGHT, 80CRI, WIDE BEAM DISTRIBUTION, WHITE FLANGE, CLEAR DIFFUSER WITH DIMMABLE ELECTRONIC LED DRIVER CONTROLS.
D3	INDY L6LRM6 SERIES: L6-13LM-35K-MVOLT-G4-80CRI-DMXR-P-WH-WET	GYP. BOARD CEILING	INTEGRAL WHITE LED	1445 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	12 W	13 VA	6" ROUND LED DOWNLIGHT, 80CRI, WHITE FLANGE, CLEAR DIFFUSER, WET LOCATION LISTED.
F1	COLUMBIA LCL SERIES: LCL4-35LW-EU	CHAIN MOUNT AT 8'-0", UNO	INTEGRAL WHITE LED	2576 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	19 W	21 VA	4' LINEAR LENSED STRIP LIGHT, 80CRI, HEAVY DIE-FORMED STEEL, FROSTED PRISMATIC ACRYLIC LENS, PAINT AFTER FABRICATION.
F1E	SAME AS TYPE "F1"	CHAIN MOUNT AT 8'-0", UNO	INTEGRAL WHITE LED	2576 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	19 W	21 VA	SAME AS TYPE "F1", EXCEPT CONNECTED TO EQUIPMENT BRANCH.
F2	COLUMBIA LCL SERIES: LCL4-35LW-EU	CHAIN MOUNT AT 8'-0", UNO	INTEGRAL WHITE LED	2576 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	19 W	21 VA	4' LINEAR LENSED STRIP LIGHT, 80CRI, HEAVY DIE-FORMED STEEL, FROSTED PRISMATIC ACRYLIC LENS, PAINT AFTER FABRICATION.
F2E	WILLIAMS WMA SERIES: WMA-4-L32/840-AF-CC-DRV-UNV	WALL MOUNT AT 8'-0" ABOVE LANDING OR STAIR, UNO	INTEGRAL WHITE LED	3200 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	41 W	46 VA	4' LONG ARCHITECTURAL AMBIENT UP/DOWN LIGHT WITH INTEGRAL OCCUPANCY SENSOR AND 90-MINUTE BATTERY BACKUP.
F3	CONTECH LIGHTING TL T TAPELIGHT SERIES: TLT-12V-2-35K-30CR-TLPI2VHW68-TLPRFT-TLFDIM10V-TLACK6-P-TLALF6	GYP. BOARD CEILING	INTEGRAL WHITE LED	7680 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	60 W	67 VA	FLEXIBLE LED CIRCUIT STRIP WITH ADHESIVE BACKING AND ALUMINUM MOUNTING CHANNEL.
N1	MEDMASTER MSL SERIES: MSL-F-1-MW-I-T-WHL-120-2-RB-SP	WALL MOUNT AT 1'-6"	INTEGRAL WHITE LED	198 lm	4100 K	STANDARD NIGHT LIGHT	120 V	11 W	12 VA	RECESSED, WALL-MOUNTED STANDARD LED NIGHT LIGHT WITH LOUVERED FACEPLATE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
N2	MEDMASTER MSL SERIES: MSL-F-1-MW-I-T-WHL-120-2-WL-RB-SP	WALL MOUNT AT 1'-6"	INTEGRAL WHITE LED	198 lm	4100 K	STANDARD NIGHT LIGHT	120 V	11 W	12 VA	SAME AS "N1" WITH WET LOCATION. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
V1	ASL VBM SERIES: VBM-24-3509K-W24-F5N	WALL MOUNT AT 7'-0", UNO	INTEGRAL WHITE LED	2533 lm	3500 K	STANDARD ELECTRONIC LED DRIVER	120 V	24 W	27 VA	2' LINEAR OVER VANTY LED FIXTURE, BRUSHED NICKEL FINISH, FROSTED ACRYLIC LENS, DAMP LOCATION LISTED, 80 CRI
W1E	HUBBELL GEOPAK SERIES: TRP-30L4K-035-3-DB-PC	WALL MOUNT AT 8'-0" TO BOTTOM OF FIXTURE	INTEGRAL WHITE LED	3191 lm	4000 K	STANDARD ELECTRONIC LED DRIVER	120 V	34 W	38 VA	14" X 7" LED WALL PACK FIXTURE, DARK BRONZE FINISH, WET LOCATION LISTED AND INTEGRAL PHOTOCELL
X1E	WILLIAMS EXIT/CA SERIES: EXIT/CA-RF-BA-EM-SDT	UNIVERSAL TOP/END MOUNT	LED	0 lm	0 K	STANDARD EXIT SIGN LED DRIVER	120 V	4 W	4 VA	UNIVERSAL MOUNT, SINGLE/DOUBLE FACE EXIT SIGN WITH RED LETTERING BRUSHED ALUMINUM HOUSING, SELF-DIAGNOSTICS AND CONNECTED TO LIFE SAFETY BRANCH CIRCUIT.
Y1E	WILLIAMS EMERLED SERIES: EMERLED-WHT-SDT-D	WALL MOUNT AT 8'-0" TO BOTTOM OF FIXTURE	LED	0 lm	0 K	STANDARD ELECTRONIC LED DRIVER	120 V	2 W	2 VA	WALL MOUNTED LED EMERGENCY LIGHT, STANDARD WHITE FINISH WITH 90-MINUTE BATTERY BACKUP AND SELF-DIAGNOSTICS.

### FLOOR BOX/POKE-THROUGH SCHEDULE

**GENERAL NOTES:**

- VERIFY COLOR(S) FOR COVERS WITH COR.
- ALL FLOOR BOXES/POKE-THROUGHS SHALL BE UL514A COMPLIANT.
- ALL FLOOR BOXES/POKE-THROUGHS SHALL BE FULLY ADJUSTABLE BEFORE AND AFTER INSTALLATION.
- REFER TO DIVISION 27 DRAWINGS AND SPECIFICATIONS FOR RACEWAY REQUIREMENTS FOR COMMUNICATIONS TO ALL FLOOR BOXES AND POKE-THROUGHS.

TYPE	BASIS OF DESIGN: MANUFACTURER AND MODEL	APPROVED EQUIVALENTS	DESCRIPTION	COMPARTMENT #1	COMPARTMENT #2	COMPARTMENT #3	COMPARTMENT #4	COMPARTMENT #5	COVER
PT <sub>01</sub>	WIEMOLD BAT SERIES: 8AT28K	HUBBELL, THOMAS & BETTS	(5) COMPARTMENT RECESSED POKE-THROUGH FOR ABOVE GRADE FLOORS.	POWER: (1) DUPLEX RECEPTACLE	VOICE/DATA: (1) HDMI COMM. BRACKET	VOICE/DATA: (1) HDMI COMM. BRACKET	VOICE/DATA: (1) RJ COMM. BRACKET	POWER: (1) DUPLEX RECEPTACLE	LOW-PROFILE, STRAIGHT EDGE, BLACK (BK)



<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11827 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b>  333 W. 29th Street, Overland Park, KS 66209 (913) 214-2169 10000 Ring Street, Suite 300, Overland Park, KS 66202 (913) 842-6100 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b> 		SHEET TITLE: ELECTRICAL SCHEDULES APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622 DATE: 07/10/2019 CHECKED BY: BEN DRAWN BY: ABM		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-E-602 Dwg. 141 OF 160	
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PANELBOARD: A1 & A2 (NEW) BUS SIZE: 250 A MAIN SIZE/TYPE: 250 A MCB FAULT CURRENT: RE: ONE-LINE DIAGRAM LOCATION: ELEC A111 EQUIPMENT GROUND BUS VOLT-AMPS/PHASE

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE			BRKR AMP			A	B	C	P	GND SIZE	WIRE SIZE	NOTE	LOAD TYPE	DESCRIPTION	CKT NO.		
				WIRE SIZE	WIRE SIZE	WIRE SIZE	BRKR AMP	BRKR AMP	BRKR AMP												
1	RCPT: MDS/RESTOR OFFICE A107	Z		12	12	20	1	360					1	20	12	12	R	RCPT: PTOT A110 CPU'S CCT 1	2		
3	RCPT: MDS/RESTOR OFFICE A107	Z		12	12	20	1	540					1	20	12	12	R	RCPT: PTOT A110 EQUIPMENT	4		
5	RCPT: TOLB STRG RM A103-106	R		12	12	20	1		540		720		1	20	12	12	R	RCPT: PTOT STORAGE A129	6		
7	RCPT: RECEPTION A101	R		12	12	20	1	360		1080			1	20	10	VD	R	RCPT: CORRDR A.140	8		
9	RCPT: VESTIBULE A100	R		12	12	20	1		900		900		1	20	12	12	R	RCPT: GEROPSYCH A109	10		
11	RCPT: TOLB SUP RM A102, A139	R		12	12	20	1			540		540	1	20	12	12	R	RCPT: TEST/ANTENNA A108	12		
13	RCPT: TOLB BRK RM A132-133	R		12	12	20	1	540			360		1	20	12	12	R	RCPT: LEARNER OFFICE A131	14		
15	RCPT: GEC_PHYSICAN A129	R		12	12	20	1		720		900		1	20	12	12	R	RCPT: EXAM RM A138	16		
17	RCPT: CONFERENCE A130	R		12	12	20	1			540		1080	1	20	12	12	R	RCPT: EXAM RM A136	18		
19	RCPT: REC THERY OFFICE A125	R		12	12	20	1	900			900		1	20	12	12	R	RCPT: EXAM RM A135	20		
21	RCPT: PHARM A124	R		12	12	20	1		900		360		1	20	12	12	R	RCPT: NURSE MED RM A137	22		
23	RCPT: SOCIAL WORK A123	R		12	12	20	1		900		900		1	20	12	12	R	RCPT: EXAM RM A126	24		
25	RCPT: LACTATION/PUMP A122	R	VD	10	10	20	1	900			1080		1	20	12	12	R	RCPT: IMAGING A134	26		
27	RCPT: DIETITIAN A121	R		12	12	20	1		900			1200	1	20	12	12	GF	Z	RCPT: RECP. A100, WTR. FNTN.	28	
29	RCPT: STORAGE A120	R		12	12	20	1			540			1200	1	20	10	GF	Z	RCPT: BRK RM A132, REFRIG.	30	
31	RCPT: HOSPICE APRN A118	R		12	12	20	1	900			1200		1	20	10	10	VD	Z	RCPT: BRK RM A132, MICRO.	32	
33	RCPT: ACNS A117	R		12	12	20	1		900			1200	1	20	10	10	VD	Z	RCPT: BRK RM A132, COFFEE	34	
35	RCPT: ASST NURSE MNGR A116	R		12	12	20	1			900			1200	1	20	10	10	GF	Z	RCPT: LAC/PUMP A122, REFRIG.	36
37	RCPT: REPORT RM A119	R		12	12	20	1	1080			1200		1	20	12	12	GF	Z	RCPT: COR. A140, WTR. FNTN.	38	
39	RCPT: REC THERAPY A115	R		12	12	20	1		900		180		1	20	12	12	Z	RCPT: REC THRPY. A115, COFFEE	40		
41	RCPT: PTOT A110	R		12	12	20	1			900		1800	1	20	12	12	Z	RCPT: REC THRPY. A115, PCRN	42		
43	L.TG. A103-109	L		12	12	20	1	416			2774		3	30	10	10		X	ERV-1	44	
45	L.TG. A102, A130-139	L	VD	10	10	20	1	1197			2774		3	30	10	10		X	ERV-1	46	
47	L.TG. COR. RECEPTION A101	L	VD	10	10	20	1			1145		600		1	20	10	VD	Z	DWH-2 CONTROLS	50	
49	L.TG. A118-129	L	VD	10	10	20	1	1020					1	20	12	12	Z	DWH-2 CONTROLS	52		
51	L.TG. A110-111, A115	L		12	12	20	1	1132			1176		1	20	12	12	Z	CWR RP-2	54		
53	L.TG. BASEMENT LIGHTS	L		12	12	20	1		105		1176		1	20	12	12	Z	CWR RP-2	56		
55	RCPT: WING A ROOFTOP	M		12	12	20	1	360			1176		1	20	12	12	Z	HWR RP-1	58		
57	FGU-1	M		12	12	20	1		30				1	20	12	12	Z	HWR RP-2	60		
59	DWH-1 CONTROLS	Z		12	12	20	1		600			540	1	20	12	12	R	RCPT: PTOT A110 CPU'S CCT 2	62		
61	RCPT: EXTERIOR RCPTS	R		12	12	20	1	360			360		1	20	12	12	R	RCPT: ED A139 SUPPLY CABINET	64		
63	RCPT: WATER MONITOR STAT.	R		12	12	20	1		180		1000		1	20	12	12	Z	PATIENT LIFTS A110	66		
65	WING A VAV BOXES CCT 1	M		12	12	20	1		240				1	20	12	12	Z	PATIENT LIFTS A133, A138	68		
67	WING A VAV BOXES CCT 2	M		12	12	20	1	540			360		1	20	12	12	R	RCPT: PTOT A110 EQUIPMENT	70		
69	WING A VAV BOXES CCT 3	M		12	12	20	1	390			360		1	20	12	12	R	RCPT: PTOT A110 EQUIPMENT	72		
71	RCPT: LEARNER OFFICE A131	R		12	12	20	1		540			720	1	20	12	12	R	RCPT: STORAGE ROOM A104	74		
73	RCPT: BREAK RM A132	R		12	12	20	1	360			180		1	20	12	12	R	RCPT: REC THRPY. A115, GEN.	76		
75	RCPT: CONFERENCE A130	R		12	12	20	1		720		0		1	20	--	--	--	--	--	SPARE	78
77	RCPT: HAC A127	R		12	12	20	1		540		0		1	20	--	--	--	--	--	SPARE	80
79	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	--	SPARE	82
81	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	--	SPARE	84
83	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	--	SPARE	84
				TOTAL PHASE LOAD (VA)			PHASE A			PHASE B			PHASE C								
				19936 VA			20995 VA			21680 VA											
				TOTAL PHASE LOAD (A)			166 A			176 A			182 A								
				TOTAL PHASE LOAD (VA)			62581 VA			55885 VA											
				TOTAL PHASE LOAD (A)			174 A			155 A											
LOAD TYPE				CONNECTED LOAD	NEC DEMAND	DEMAND LOAD	TOTAL CONNECTED				TOTAL DEMAND										
EXISTING LOAD (E):				0 VA	125.00%	0 VA	PANELBOARD				PANELBOARD										
COOLING (C):				0 VA	0.00%	0 VA	TOTALS:				TOTALS:										
HEATING (H):				0 VA	0.00%	0 VA	TOTALS:				TOTALS:										
LIGHTING (L):				5015 VA	125.00%	6269 VA	TOTALS:				TOTALS:										
RECEPTACLES (R):				30060 VA	66.63%	20030 VA	TOTALS:				TOTALS:										
MOTORS (M):				1200 VA	100.00%	1200 VA	TOTALS:				TOTALS:										
LARGEST MOTOR (X):				8322 VA	125.00%	10403 VA	TOTALS:				TOTALS:										
SUPPLEMENTAL HEAT (Y):				0 VA	100.00%	0 VA	TOTALS:				TOTALS:										
MISC. EQUIPMENT (Z):				17984 VA	100.00%	17984 VA	TOTALS:				TOTALS:										
KITCHEN (K):				0 VA	100.00%	0 VA	TOTALS:				TOTALS:										

PANELBOARD: EQ-A (NEW) BUS SIZE: 150 A MAIN SIZE/TYPE: 150 A MCB FAULT CURRENT: RE: ONE-LINE DIAGRAM LOCATION: ENG SERV A113 EQUIPMENT GROUND BUS VOLT-AMPS/PHASE

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE			BRKR AMP			A	B	C	P	GND SIZE	WIRE SIZE	NOTE	LOAD TYPE	DESCRIPTION	CKT NO.	
				WIRE SIZE	WIRE SIZE	WIRE SIZE	BRKR AMP	BRKR AMP	BRKR AMP											
1	L.TG. IT RM EMER. LIGHTS	L		12	12	20	1	84					1	20	12	12	R	RCPT: IT ROOM W. WALL CCT #1	2	
3	L.TG. A WING EM. A135-136, A138	L		12	12	20	1		340		6245		1	20	12	12	R	RCPT: IT ROOM E. WALL CCT #1	4	
5	L.TG. BASEMENT EMER. LIGHTS	L		12	12	20	1			370		6245	3	80	10	6	X; Z	AHU-1 SUPPLY FAN	6	
7	SINKS: RMS A103, 105-106...	R	GF	12	12	20	1	1080			3459		1	20	12	12	R	RCPT: CORRDR A.140	8	
9	SINKS: RMS A102, A134-136	R	GF	10	10	20	1		1080				3	45	10	8	M	AHU-1 RETURN FAN	10	
11	RCPT: A115, 122, 126, 132-133	R	GF	12	12	20	1			900		3459	1	15	12	12	Z	AHU-1 LTR AND RCPTS	12	
13	NURSE MED A137 SUPPLY CAB	Z		12	12	20	1		720				1	20	--	--	--	--	SPARE	14
15	NURSE MED A137 REFRIG.	Z	GF	12	12	20	1		960		0		1	20	--	--	--	--	SPARE	16
17	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	18
19	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	20
21	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	22
23	EQUIPPED SPACE	--		--	--	--	--	20			0		1	20	--	--	--	--	EQUIPPED SPACE	24
25	EQUIPPED SPACE	--		--	--	--	--	20			0		1	20	--	--	--	--	EQUIPPED SPACE	26
27	EQUIPPED SPACE	--		--	--	--	--	20			0		1	20	--	--	--	--	EQUIPPED SPACE	28
29	EQUIPPED SPACE	--		--	--	--	--	20			0		1	20	--	--	--	--	EQUIPPED SPACE	30
				TOTAL PHASE LOAD (VA)			PHASE A			PHASE B			PHASE C							
				12088 VA			12084 VA			10974 VA										
				TOTAL PHASE LOAD (A)			102 A			91 A										
LOAD TYPE				CONNECTED LOAD	NEC DEMAND	DEMAND LOAD	TOTAL CONNECTED				TOTAL DEMAND									
EXISTING LOAD (E):				0 VA	125.00%	0 VA	PANELBOARD				PANELBOARD									
COOLING (C):				0 VA	0.00%	0 VA	TOTALS:				TOTALS:									
HEATING (H):				0 VA	0.00%	0 VA	TOTALS:				TOTALS:									
LIGHTING (L):				794 VA	125.00%	993 VA	TOTALS:				TOTALS:									
RECEPTACLES (R):				3080 VA	100.00%	3080 VA	TOTALS:				TOTALS:									
MOTORS (M):				10377 VA	100.00%	10377 VA	TOTALS:				TOTALS:									
LARGEST MOTOR (X):				2329 VA	125.00%	2911 VA	TOTALS:				TOTALS:									
SUPPLEMENTAL HEAT (Y):				0 VA	100.00%	0 VA	TOTALS:				TOTALS:									
MISC. EQUIPMENT (Z):				18587 VA	100.00%	18587 VA	TOTALS:				TOTALS:									
KITCHEN (K):				0 VA	100.00%	0 VA	TOTALS:				TOTALS:									

PANELBOARD: ES (NEW) BUS SIZE: 150 A MAIN SIZE/TYPE: 150 A MCB FAULT CURRENT: RE: ONE-LINE DIAGRAM LOCATION: BASEMENT MECHANICAL ROOM EQUIPMENT GROUND BUS VOLT-AMPS/PHASE

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE			BRKR AMP			A	B	C	P	GND SIZE	WIRE SIZE	NOTE	LOAD TYPE	DESCRIPTION	CKT NO.	
				WIRE SIZE	WIRE SIZE	WIRE SIZE	BRKR AMP	BRKR AMP	BRKR AMP											
1	CONDENSATE PUMPS	M		ETR	ETR	20	3	900			1321		3	25	10	10	M	HEATING HOT WATER PUMP HWP-01	2	
3	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	4
5	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	6
7	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	8
9	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	10
11	SPARE	--		--	--	--	--	20			0		1	20	--	--	--	--	SPARE	12
13	SUMP PUMP NORTH	M		ETR	ETR	20	1	600			0		1	20	--	--	--	--	SPARE	14
15	SUMP PUMP SOUTH	M		ETR	ETR	20	1	600			0		1	20	--	--	--	--	SPARE	16
17	HOW WATER CIRC PUMP	M		ETR	ETR	20	1	600			0		1	20	--	--	--	--	SPARE	18
19	SERVICE ROOM LITS #1	L		ETR	ETR	20	1	700			600		1	20	ETR	ETR	Z	DWH1	20	
21	SERVICE ROOM LITS #2	L		ETR	ETR	20	1	700			360		1	20	ETR	ETR	R	GEN GFI #1	22	
23	TELEPLUG	Z	</																	

**PANELBOARD: B1 & B2 (NEW)**

BUS SIZE: 250 A  
 MAIN SIZE/TYPE: 250 A MCB  
 VOLT/PHASE: 208Y/120V, 3PH, 4W  
 MOUNTING: SURFACE  
 A.I.C RATING: FCA +10% MINIMUM FULLY RATED  
 SECTIONS: 2

FAULT CURRENT: RE: ONE-LINE DIAGRAM  
 LOCATION: ELEC B101  
 SERVICES: WING B NORMAL LOADS  
 FED FROM: MSB2  
 EQUIPMENT GROUND BUS

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE	GND SIZE	BRKR AMP	VOLT-AMPS/PHASE					LOAD TYPE	DESCRIPTION	CKT NO.													
							A	B	C	A	B				C												
1	RCPT: PATIENT RM B137	R		12	12	20	1	720				R	RCPT: SOIL/TRGR RM B105-106	2													
3	RCPT: PATIENT RM B136	R		12	12	20	1	720	720	900		R	RCPT: APRN B110	4													
5	RCPT: PATIENT RM B135	R		12	12	20	1	720			900	R	RCPT: GER PSYCH B111	6													
7	RCPT: PATIENT RM B131	R		12	12	20	1	720			900	R	RCPT: NURSE MNGR B112	8													
9	RCPT: PATIENT RM B130	R		12	12	20	1	720			900	R	RCPT: SOCIAL WRKR B113	10													
11	RCPT: PATIENT RM B126	R		12	12	20	1	720			900	R	RCPT: CLN NRS LDR B114	12													
13	RCPT: REPORT RM B129	R		12	12	20	1	1080				R	RCPT: STAFF LNGB B115	14													
15	RCPT: REPORT RM B129	R		12	12	20	1	720			900	R	RCPT: CORRIDOR B-BCDR5	16													
17	RCPT: HAC B128	R		12	12	20	1		540		720	R	RCPT: SNOZZELEN B134	18													
19	RCPT: REC THERAPY B133	R	VD	10	10	20	1	1620			720	R	RCPT: EXAM RM B117	20													
21	RCPT: PATIENT RM B125	R		12	12	20	1	720			540	R	RCPT: CLEAN LINEN B107	22													
23	RCPT: PATIENT RM B124	R	VD	10	10	20	1		720		540	R	RCPT: STAFF LNGB RM B115	24													
25	RCPT: PATIENT RM B123	R	VD	10	10	20	1	720			900	R	RCPT: DIN/DAY RM B108	26													
27	RCPT: PATIENT RM B122	R	VD	10	10	20	1		720		720	R	RCPT: DIN/DAY RM B108	28													
29	RCPT: PATIENT RM B121	R	VD	10	10	20	1		720		1260	R	RCPT: REC THERAPY OFF. B132	30													
31	RCPT: PATIENT RM B120	R	VD	10	10	20	1	720			1200	Z	RCPT: REC THERAPY B133, POPCRN	32													
33	RCPT: PATIENT RM B119	R		12	12	20	1		900		360	Z	RCPT: REC THERAPY B133, COFFEE	34													
35	RCPT: COMPUTER LOUNGE B118	R		12	12	20	1		540		1200	Z	RCPT: STAFF LNGB B115, REFRIG	36													
37	RCPT: ELEC. RM B101	R		12	12	20	1	180			1200	G	RCPT: STAFF LNGB B115, MICRO	38													
39	RCPT: CLEAN SUPPLY B104	R		12	12	20	1		900		1200	G	RCPT: STAFF LNGB B115, COFFEE	40													
41	PAT. LIFTS B118-120	Z	VD	10	10	20	1				1200	1	20	12	12	Z	RCPT: LAUNDRY B127, DRYER	42									
43	PAT. LIFTS B104-131, B135-137	Z		12	12	20	1	1000				Z	RCPT: LAUNDRY B127, WASH	44													
45	LTG. B129-134	L		12	12	20	1		844		540	G	RCPT: KITCH B109, GEN. PURP	46													
47	LTG. B135-137	L		12	12	20	1		594		840	G	RCPT: KITCH B109, GARB. DISP	48													
49	LTG. CORRIDOR B WING	L		12	12	20	1	1447			864	G	RCPT: KITCH B109, DISHWASHER	50													
51	LTG. B123-128	L		12	12	20	1		937		1200	G	RCPT: KITCH B109, ICE MAKER	52													
53	LTG. B119-122	L		12	12	20	1		775		1200	G	RCPT: KITCH B109, REFRIGD	54													
55	LTG. B110-118	L		12	12	20	1	862			4000	G	RCPT: KITCH B109, RANGE	56													
57	LTG. B100, B102, B104-109	L		12	12	20	1		840		4000	G	RCPT: KITCH B109, RANGE	58													
59	EXHAUST FAN, EF 2-1	M		12	12	15	1	312		312			Z	KITCH B109, RANGE HOOD	62												
61	EXHAUST FAN, EF 2-2	M		12	12	15	1	312		312			Z	KITCH B109, RANGE HOOD	62												
63	RCPT: WING B ROOFTOP	R		12	12	20	1		360		2774			M	ERV-2	64											
65	BARIATRIC WHIRLPOOL TUB	Z		12	12	20	1			800		2774		G		30	10	10	M	ERV-2	68						
67	RCPT: EXTERIOR RCPTS	R		12	12	20	1	360			2774										68						
69	WING B VAV BOXES CCT 1	M		12	12	20	1		390		450										70						
71	WING B VAV BOXES CCT 2	M		12	12	20	1		330		360										74						
73	WING B VAV BOXES CCT 3	M		12	12	20	1		1000												76						
75	PATIENT LIFTS 121-122	Z		12	12	20	1				1000										78						
77	PATIENT LIFTS 123-124	Z		12	12	20	1				1000										80						
79	PATIENT LIFTS 130-131	Z		12	12	20	1				1000										82						
81	PATIENT LIFTS 135-137	Z		12	12	20	1				0										84						
83	SPARE	--		--	--	--	1				0										84						
TOTAL PHASE LOAD (VA)													PHASE A			PHASE B			PHASE C			TOTAL CONNECTED			TOTAL DEMAND		
													27464 VA			25565 VA			26141 VA			79170 VA			70805 VA		
TOTAL PHASE LOAD (A)													219 A			219 A			219 A			220 A			197 A		

**PANELBOARD: B6 (NEW)**

BUS SIZE: 400 A  
 MAIN SIZE/TYPE: 400 A MCB  
 VOLT/PHASE: 208Y/120V, 3PH, 4W  
 MOUNTING: SURFACE  
 A.I.C RATING: FCA +10% MINIMUM FULLY RATED  
 SECTIONS: 1

FAULT CURRENT: RE: ONE-LINE DIAGRAM  
 LOCATION: BASEMENT MECHANICAL ROOM  
 SERVICES: NORMAL BRANCH LOADS  
 FED FROM: MSB (ETR)  
 EQUIPMENT GROUND BUS

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE	GND SIZE	BRKR AMP	VOLT-AMPS/PHASE					LOAD TYPE	DESCRIPTION	CKT NO.													
							A	B	C	A	B				C												
1	SPARE	--		--	--	--	1	0			0	--	--	--	2												
3	SPARE	--		--	--	--	1	0			0	--	--	--	4												
5	SPARE	--		--	--	--	1	0			0	--	--	--	6												
7	EXHAUST FAN	M	ETR	15	3			793			5800				8												
9	CONDENSATE WATER PUMP	M	ETR	15	3			793			5800		M	CONDENSATE WATER PUMP	10												
11	VISN 15 - RTU	M	ETR	15	3			7458			600		M	VISN 15 - RTU	14												
15	EHV #1	M	ETR	100	3			7458			0				16												
17	CHILLED WATER PUMP	M	ETR	100	3			7458			0				18												
19	EQUIPPED SPACE	--		--	--	--		0			7458				20												
21	EQUIPPED SPACE	--		--	--	--		0			7458				22												
23	EQUIPPED SPACE	--		--	--	--		0			7458				24												
25	EQUIPPED SPACE	--		--	--	--		0			7458				26												
27	HOT WATER PUMP	M	ETR	100	3			7458			0				28												
29	EQUIPPED SPACE	--		--	--	--		0			7458				30												
TOTAL PHASE LOAD (VA)													PHASE A			PHASE B			PHASE C			TOTAL CONNECTED			TOTAL DEMAND		
													20566 VA			28966 VA			28966 VA			87498 VA			87498 VA		
TOTAL PHASE LOAD (A)													246 A			241 A			241 A			243 A			243 A		

**PANELBOARD: EQ-B (NEW)**

BUS SIZE: 150 A  
 MAIN SIZE/TYPE: 150 A MCB  
 VOLT/PHASE: 208Y/120V, 3PH, 4W  
 MOUNTING: SURFACE  
 A.I.C RATING: FCA +10% MINIMUM FULLY RATED  
 SECTIONS: 1

FAULT CURRENT: RE: ONE-LINE DIAGRAM  
 LOCATION: ELEC B101  
 SERVICES: WING B EQUIP. BRANCH LOADS  
 FED FROM: EMBD2  
 EQUIPMENT GROUND BUS

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE	GND SIZE	BRKR AMP	VOLT-AMPS/PHASE					LOAD TYPE	DESCRIPTION	CKT NO.													
							A	B	C	A	B				C												
1	RCPT: RMS B130-131, B135-137	R		12	12	20	1	1080			6244			2													
3	RCPT: PAT. RMS B119-B121	R	VD	10	10	20	1		1080		6244			4													
5	RCPT: PAT. RMS B124-B126	R	VD	10	10	20	1		1080		6244			6													
7	RCPT: NURSE STATION B102	R		12	12	20	1		2030					8													
9	RCPT: NURSE STATION B102	R		12	12	20	1		720		2030			10													
11	RCPT: RMS B130-131, 133, 135-137	R	GF	12	12	20	1		900		2030			12													
13	RCPT: RMS B100, 104, 105-107, 109	R	GF	12	12	20	1		900		500			14													
15	RCPT: RMS B115-117, SINK	R	GF	12	12	20	1		540		720			16													
17	RCPT: RMS B119-122A, SINK	R	GF	12	12	20	1			720		720		18													
19	RCPT: PAT. RMS B122, B123	R	VD	10	10	20	1		720		960			20													
21	RCPT: PAT. RMS B122, B123	R	VD	10	10	20	1		720		960			22													
23	LTG. RMS B101-102	L		12	12	20	1			65		360			24												
25	SPARE	--		--	--	--	1				720				26												
27	SPARE	--		--	--	--	1				0				28												
29	SPARE	--		--	--	--	1				0				30												
TOTAL PHASE LOAD (VA)													PHASE A			PHASE B			PHASE C			TOTAL CONNECTED			TOTAL DEMAND		
													13634 VA			13014 VA			12299 VA			38948 VA			39135 VA		
TOTAL PHASE LOAD (A)													115 A			109 A			102 A			108 A			109 A		

**PANELBOARD: LS-B (NEW)**

BUS SIZE: 100 A  
 MAIN SIZE/TYPE: 60 A MCB  
 VOLT/PHASE: 208Y/120V, 3PH, 4W  
 MOUNTING: SURFACE  
 A.I.C RATING: FCA +10% MINIMUM FULLY RATED  
 SECTIONS: 1

FAULT CURRENT: RE: ONE-LINE DIAGRAM  
 LOCATION: ELEC B101  
 SERVICES: LIFE SAFETY BRANCH  
 FED FROM: EMBD2  
 EQUIPMENT GROUND BUS

CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	WIRE SIZE	GND SIZE	BRKR AMP	VOLT-AMPS/PHASE					LOAD TYPE	DESCRIPTION	CKT NO.													
							A	B	C	A	B				C												
1	WING B EMER. LIGHTS	L		12	12	20	1	474			500			2													
3	PIPING HEAT TRACE SYSTEM	Z		12	12	20	1		500		0			4													
5	SPARE	--		--	--	--	1				0			6													
7	SPARE	--		--	--	--	1				0			8													
9	SPARE	--		--	--	--	1				0			10													
11	EQUIPPED SPACE	--		--	--	--					0			12													
13	EQUIPPED SPACE	--		--	--	--					0			14													
15	EQUIPPED SPACE	--		--	--	--					0			16													
17	EQUIPPED SPACE	--		--	--	--					0			18													
TOTAL PHASE LOAD (VA)													PHASE A			PHASE B			PHASE C			TOTAL CONNECTED			TOTAL DEMAND		
													974 VA			500 VA			0 VA			1474 VA			1593 VA		
TOTAL PHASE LOAD (A)													9 A			5 A			0 A			4 A			4 A		

B1 & B2	EQ-B
B6	LS-B

**CONSULTANT INFORMATION**

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	FOOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

**ARCHITECT**

**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

**SHEET TITLE**  
ELECTRICAL SCHEDULES

**PROJECT PHASE**  
BID DOCUMENTS

**PROJECT TITLE**  
RENOVATE A & B WING BLDG 6

**PROJECT LOCATION**  
2200 SW GAGE BLVD  
TOPEKA, KS 66622

**VA PROJECT NUMBER**  
589-A5-19-116

**BUILDING NUMBER**  
6

**DRAWING NUMBER**  
6-E-604

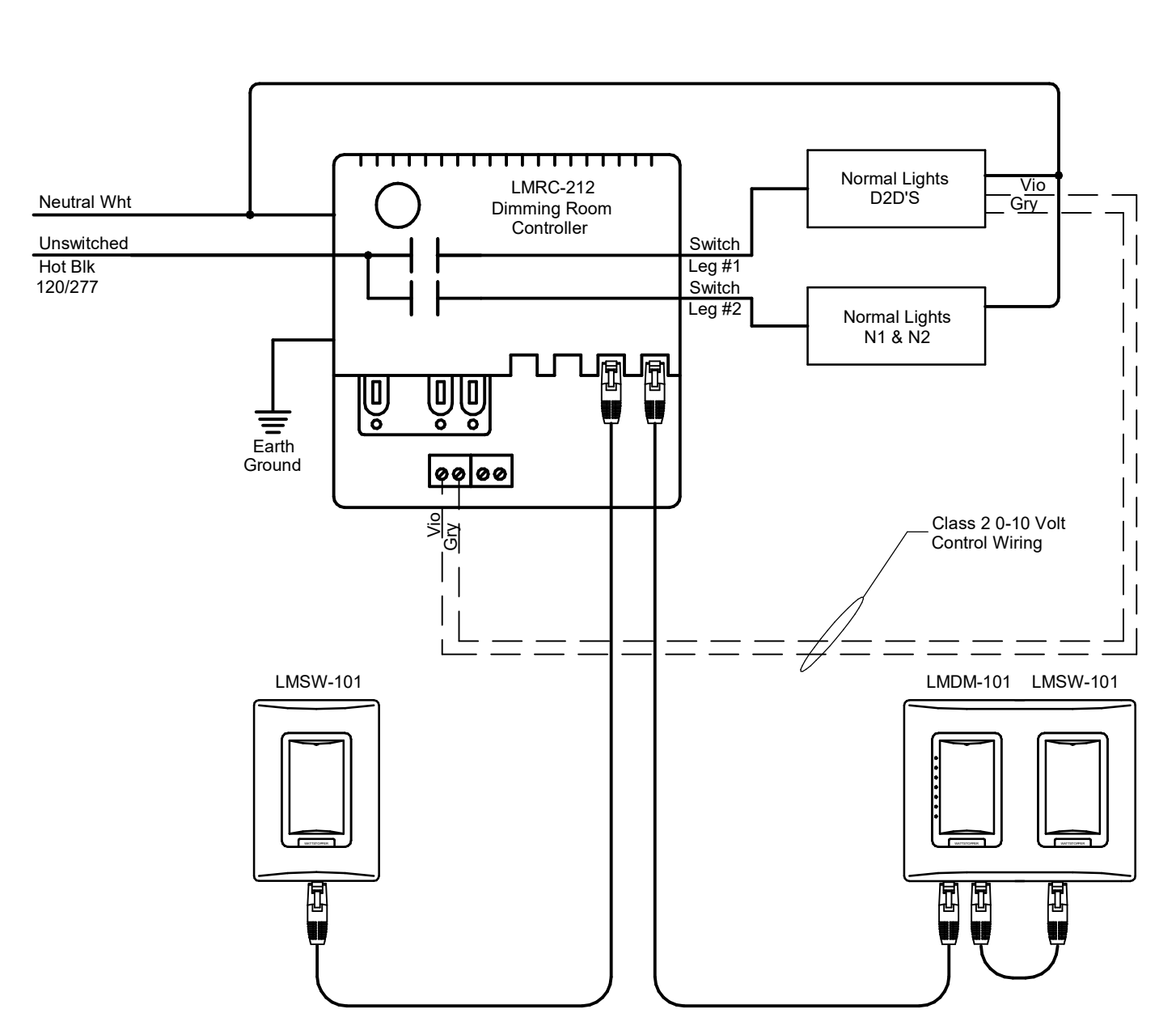
Revision # \_\_\_\_\_ Date \_\_\_\_\_

**APPROVED: PROJECT DIRECTOR**

**FULLY SPRINKLERED**

DATE: 07/10/2019  
 CHECKED BY: BEN  
 DRAWN BY: ABM

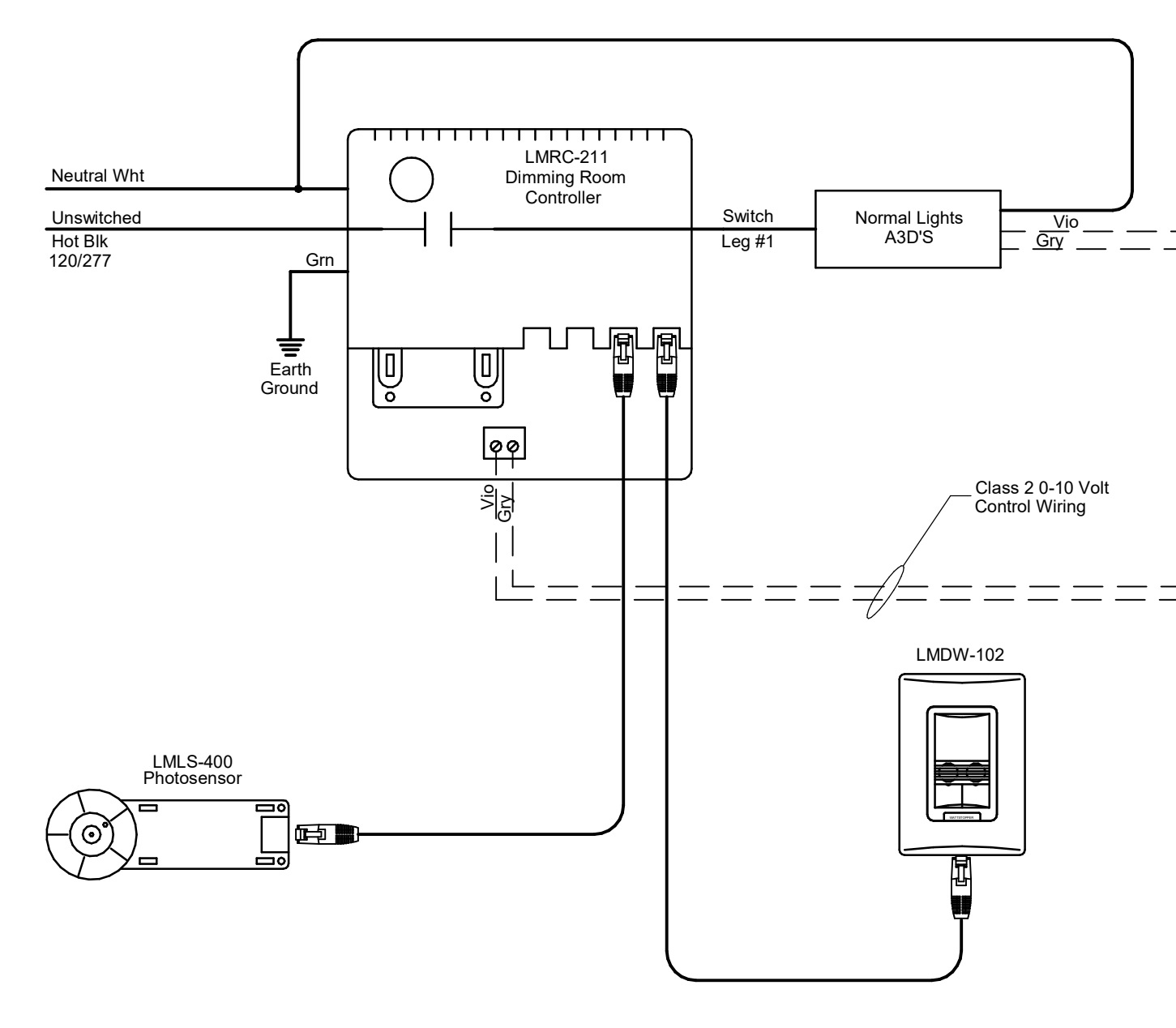
Dwg. 143 OF 160



**NOTE:**  
 1. REFER TO OCCUPANCY SENSOR AND SWITCH SCHEDULE FOR ADDITIONAL INFORMATION. COMPONENTS SHOWN ARE FOR BASIS OF DESIGN MANUFACTURER. FOR OTHER MANUFACTURERS, PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.  
 2. NOT ALL LIGHT FIXTURES, OCCUPANCY SENSORS, DAY LIGHT SENSORS, AND LIGHT SWITCH CONTROL DEVICES ARE SHOWN. REFER TO PLANS FOR LOCATIONS OF ALL DEVICES. PROVIDE WIRING BETWEEN ALL FIXTURES AND DEVICES FOR A COMPLETE AND FUNCTIONING SYSTEM. GROUND CONDUCTOR NOT SHOWN, PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.

**SEQUENCE OF OPERATIONS:**  
 1. SWITCH \$-LVD SHALL PROVIDE MANUAL ON/OFF AND DIMMING CONTROL OF ALL D2D'S WITHIN THE SPACE.  
 2. SWITCH \$-LV1 SHALL PROVIDE MANUAL ON/OFF CONTROL OF ALL N1 AND N2 FIXTURES WITHIN THE SPACE.

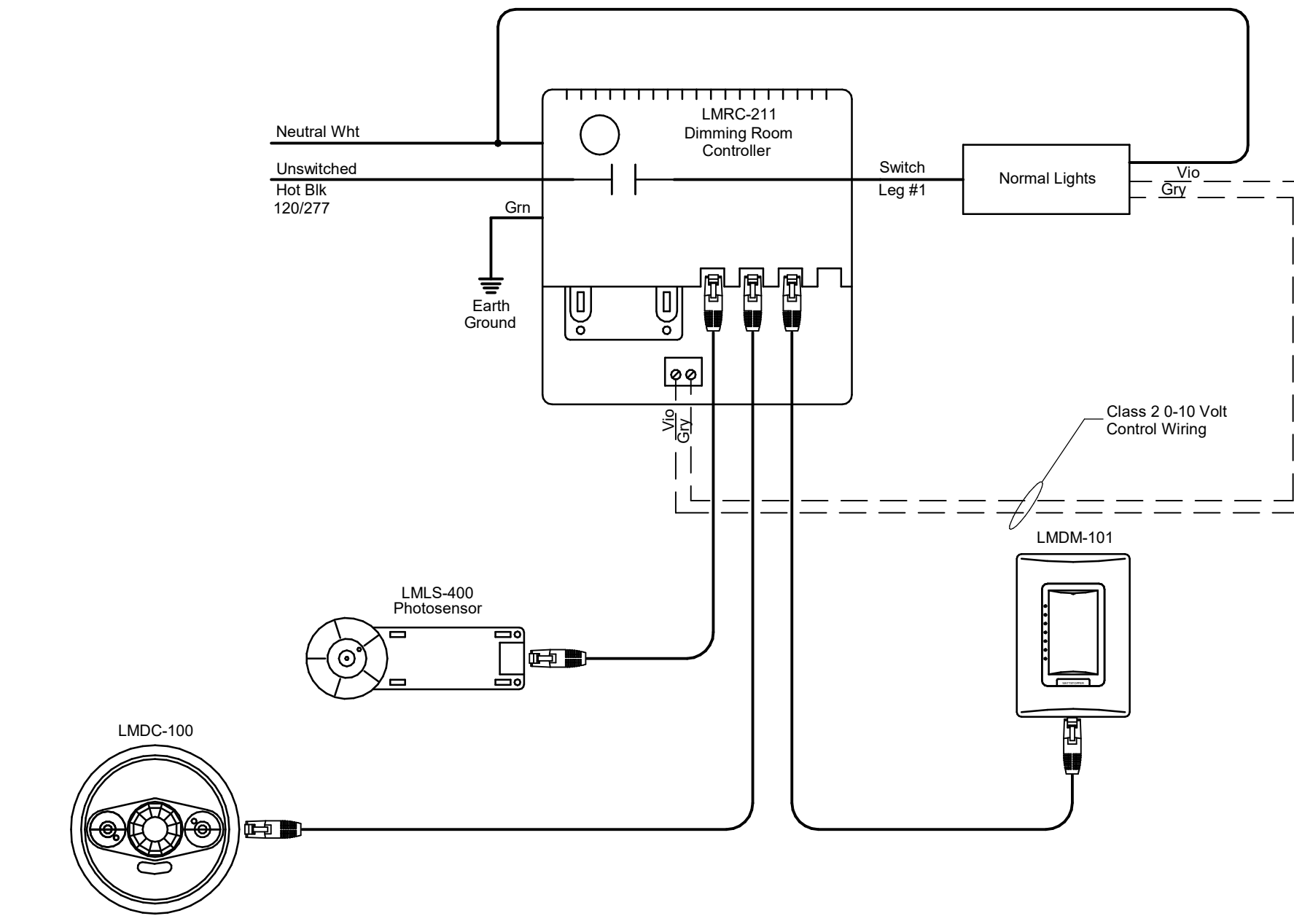
**3 TYPICAL RESIDENT ROOM LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



**NOTE:**  
 1. REFER TO OCCUPANCY SENSOR AND SWITCH SCHEDULE FOR ADDITIONAL INFORMATION. COMPONENTS SHOWN ARE FOR BASIS OF DESIGN MANUFACTURER. FOR OTHER MANUFACTURERS, PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.  
 2. NOT ALL LIGHT FIXTURES, OCCUPANCY SENSORS, DAY LIGHT SENSORS, AND LIGHT SWITCH CONTROL DEVICES ARE SHOWN. REFER TO PLANS FOR LOCATIONS OF ALL DEVICES. PROVIDE WIRING BETWEEN ALL FIXTURES AND DEVICES FOR A COMPLETE AND FUNCTIONING SYSTEM. GROUND CONDUCTOR NOT SHOWN, PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.

**SEQUENCE OF OPERATIONS:**  
 1. DAYLIGHT SENSORS SHALL CONTROL ALL LIGHT FIXTURES LOCATED WITHIN THE DAYLIGHT ZONES OF THE WINDOWS. FIXTURES SHALL AUTOMATICALLY DIM BASED ON AMOUNT OF DAYLIGHT.  
 2. SWITCH \$-LVD SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION AND DIMMING CONTROL.

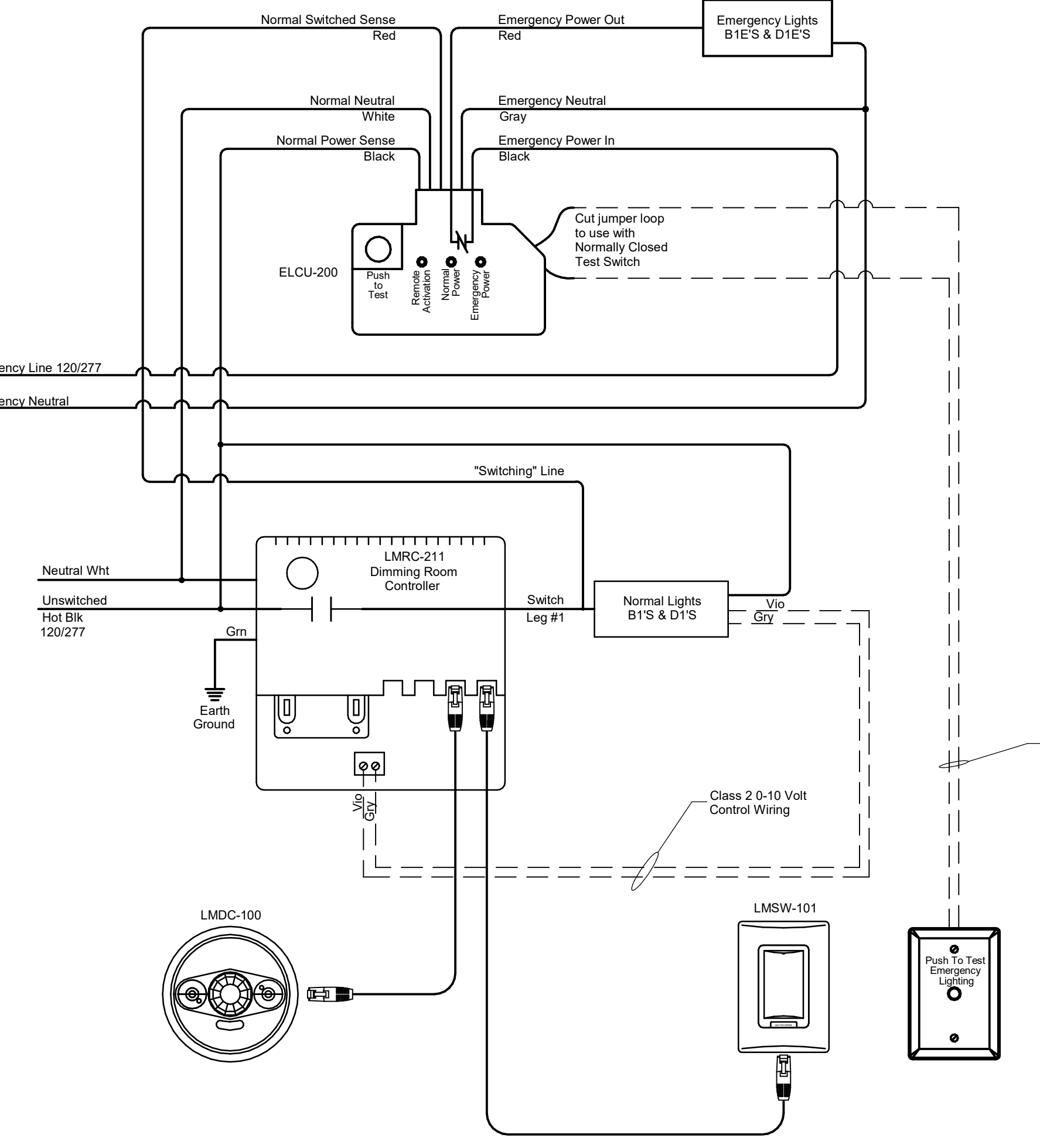
**2 OFFICES, LACTATION A122, MED A137, HAC B128 LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



**NOTE:**  
 1. REFER TO OCCUPANCY SENSOR AND SWITCH SCHEDULE FOR ADDITIONAL INFORMATION. COMPONENTS SHOWN ARE FOR BASIS OF DESIGN MANUFACTURER. FOR OTHER MANUFACTURERS, PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.  
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**SEQUENCE OF OPERATIONS:**  
 1. DAYLIGHT SENSORS SHALL CONTROL ALL LIGHT FIXTURES LOCATED WITHIN THE DAYLIGHT ZONES OF THE WINDOWS. FIXTURES SHALL AUTOMATICALLY DIM BASED ON AMOUNT OF DAYLIGHT.  
 2. OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION.  
 3. SWITCH \$-LVD SHALL PROVIDE MANUAL ON/OFF AND DIMMING CONTROL OF ALL FIXTURES WITHIN THE SPACE.

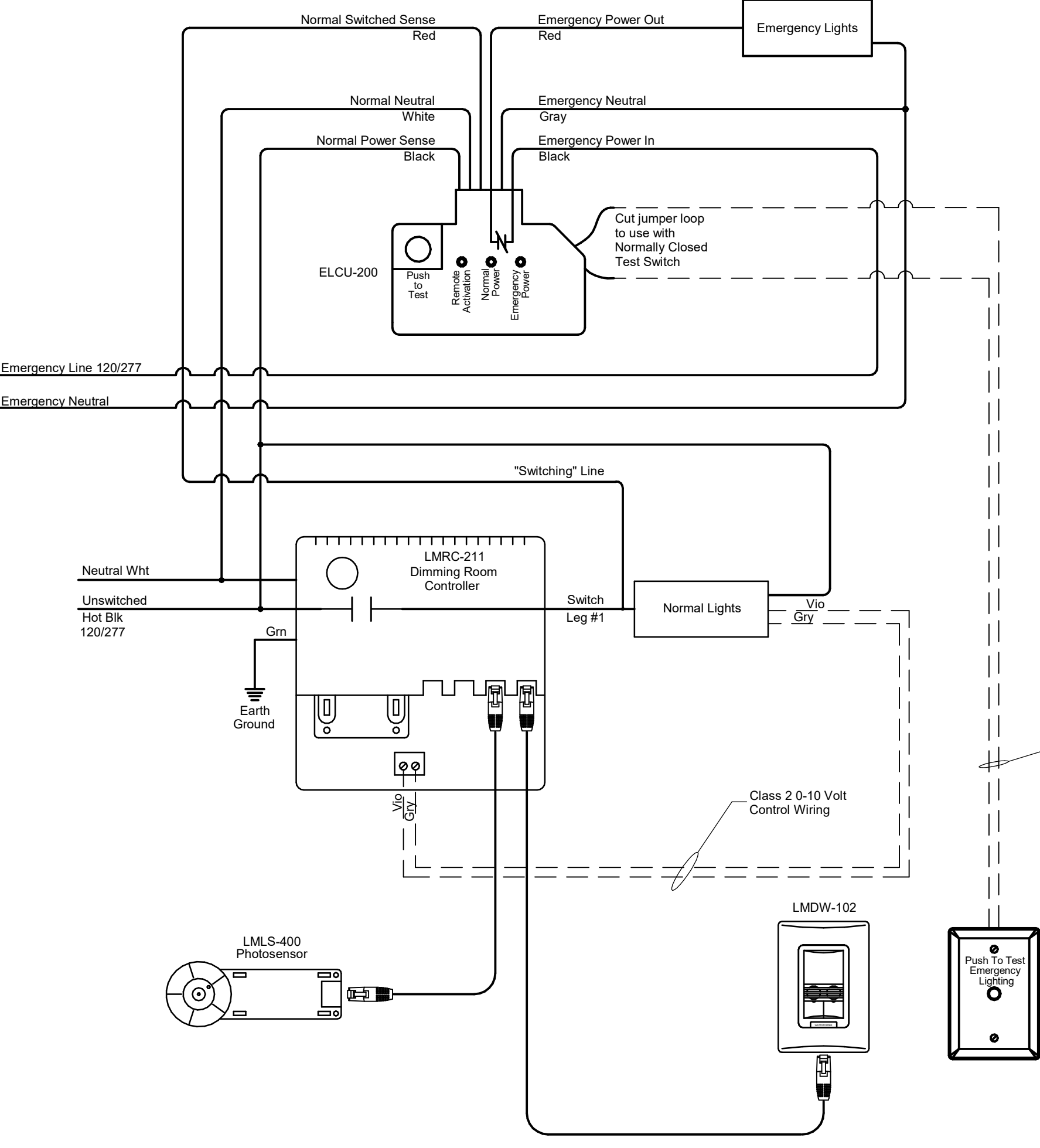
**1 TYPICAL ROOM CONTROLLER LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



**NOTE:**  
 1. REFER TO OCCUPANCY SENSOR AND SWITCH SCHEDULE FOR ADDITIONAL INFORMATION. COMPONENTS SHOWN ARE FOR BASIS OF DESIGN MANUFACTURER. FOR OTHER MANUFACTURERS, PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.  
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**SEQUENCE OF OPERATIONS:**  
 1. OCCUPANCY SENSORS SHALL CONTROL DAY LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, AUTOMATIC ON OPERATION WITH MANUAL OVERRIDE SWITCHES.  
 2. SWITCH \$-LV1 SHALL PROVIDE MANUAL ON/OFF CONTROL OF DAY LIGHTS.

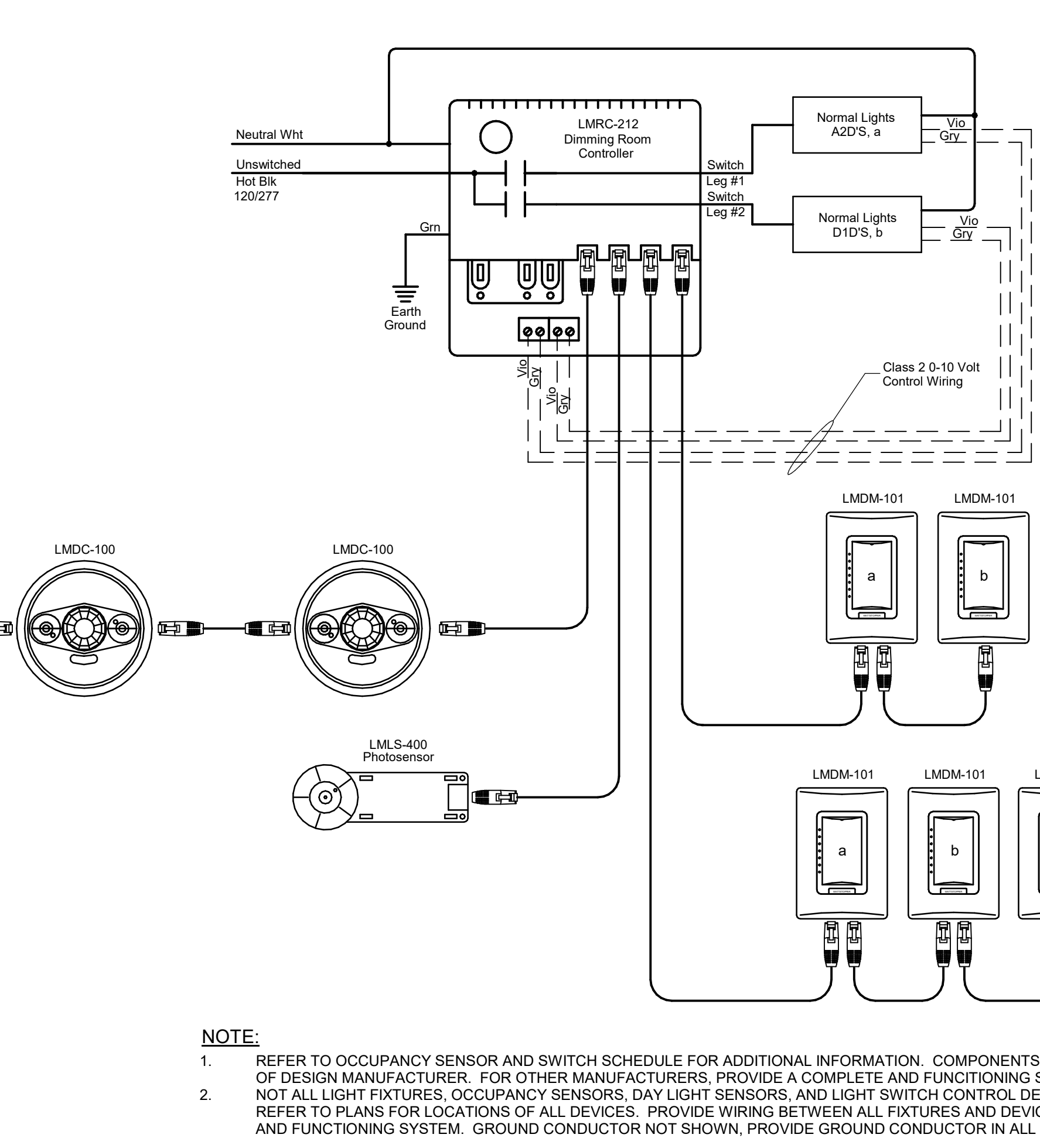
**6 TYPICAL CORRIDOR LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



**NOTE:**  
 1. REFER TO OCCUPANCY SENSOR AND SWITCH SCHEDULE FOR ADDITIONAL INFORMATION. COMPONENTS SHOWN ARE FOR BASIS OF DESIGN MANUFACTURER. FOR OTHER MANUFACTURERS, PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.  
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**SEQUENCE OF OPERATIONS:**  
 1. DAYLIGHT SENSORS SHALL CONTROL ALL LIGHT FIXTURES LOCATED WITHIN THE DAYLIGHT ZONES OF THE WINDOWS. FIXTURES SHALL AUTOMATICALLY DIM BASED ON AMOUNT OF DAYLIGHT.  
 2. SWITCH \$-LVD SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION AND DIMMING CONTROL.

**5 TYPICAL EXAM ROOMS LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE

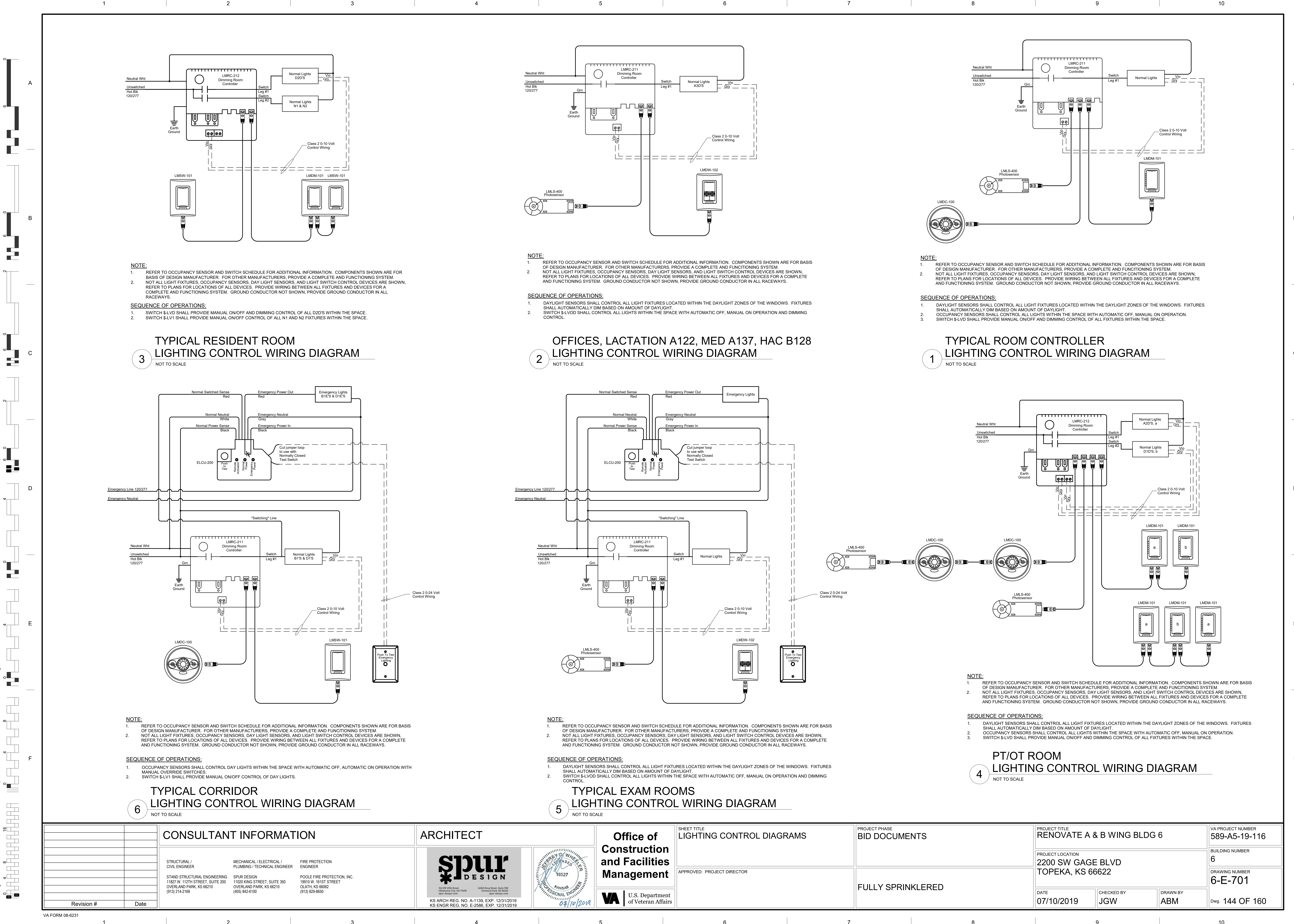


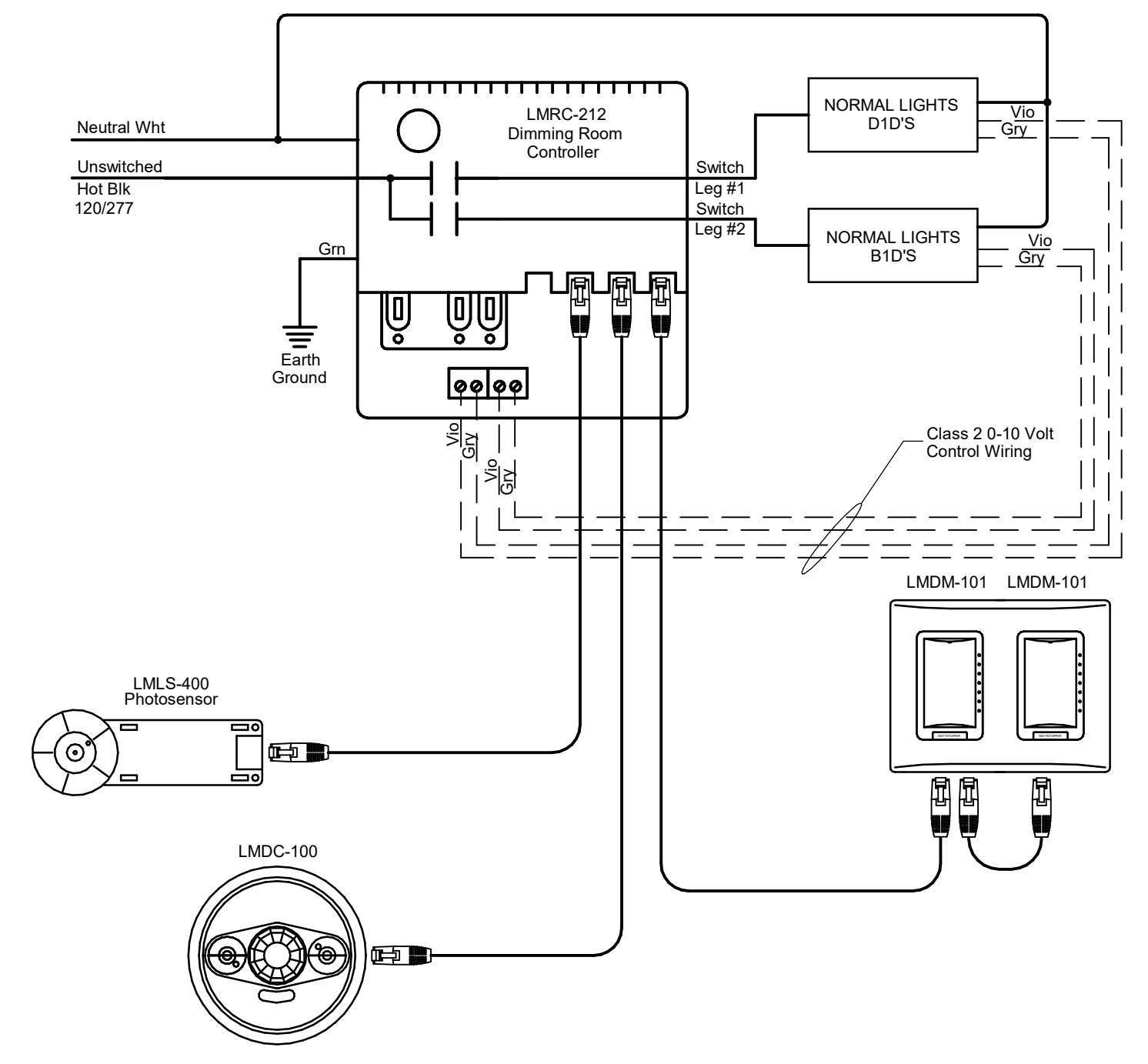
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**SEQUENCE OF OPERATIONS:**  
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 2. OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION.  
 3. SWITCH \$-LVD SHALL PROVIDE MANUAL ON/OFF AND DIMMING CONTROL OF ALL FIXTURES WITHIN THE SPACE.

**4 PT/OT ROOM LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE

<b>CONSULTANT INFORMATION</b>			<b>ARCHITECT</b>			<b>Office of Construction and Facilities Management</b>			<b>SHEET TITLE LIGHTING CONTROL DIAGRAMS</b>			<b>PROJECT PHASE BID DOCUMENTS</b>			<b>PROJECT TITLE RENOVATE A &amp; B WING BLDG 6</b>			<b>VA PROJECT NUMBER 589-A5-19-116</b>					
STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169			MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100			FIRE PROTECTION ENGINEER PEOPLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650			APPROVED: PROJECT DIRECTOR			FULLY SPRINKLERED			PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622			BUILDING NUMBER 6					
Revision #			Date			KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019			U.S. Department of Veteran Affairs			DATE 07/10/2019			CHECKED BY JGW			DRAWN BY ABM			DRAWING NUMBER 6-E-701		
																		Dwg. 144 OF 160					

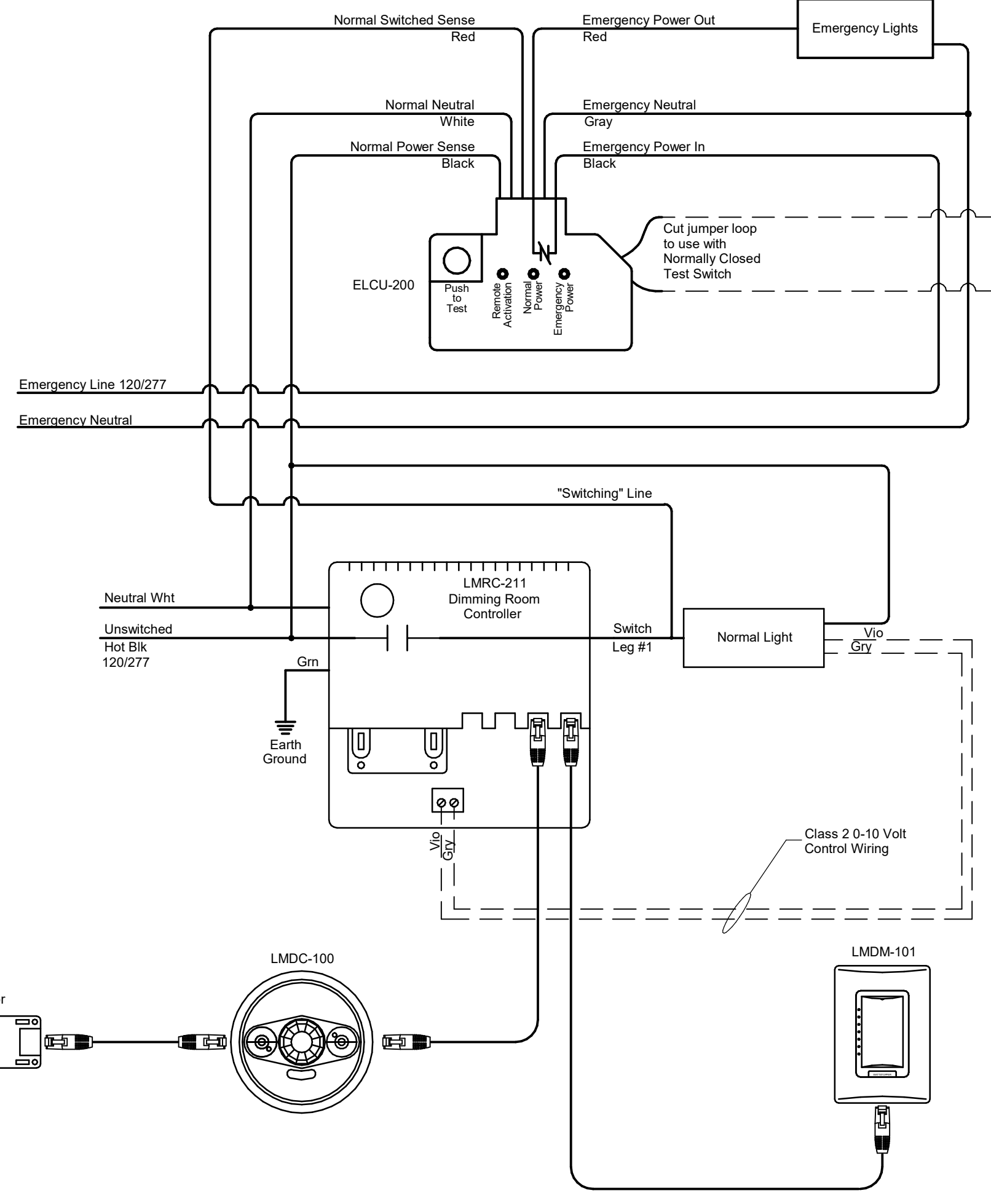




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**SEQUENCE OF OPERATIONS:**  
 1. DAYLIGHT SENSORS SHALL CONTROL ALL LIGHT FIXTURES LOCATED WITHIN THE DAYLIGHT ZONES OF THE WINDOWS. FIXTURES SHALL AUTOMATICALLY DIM BASED ON AMOUNT OF DAYLIGHT.  
 2. SWITCH S-LV3 SHALL PROVIDE MANUAL ON/OFF AND DIMMING CONTROL OF ALL LIGHT FIXTURES WITHIN THE SPACE.

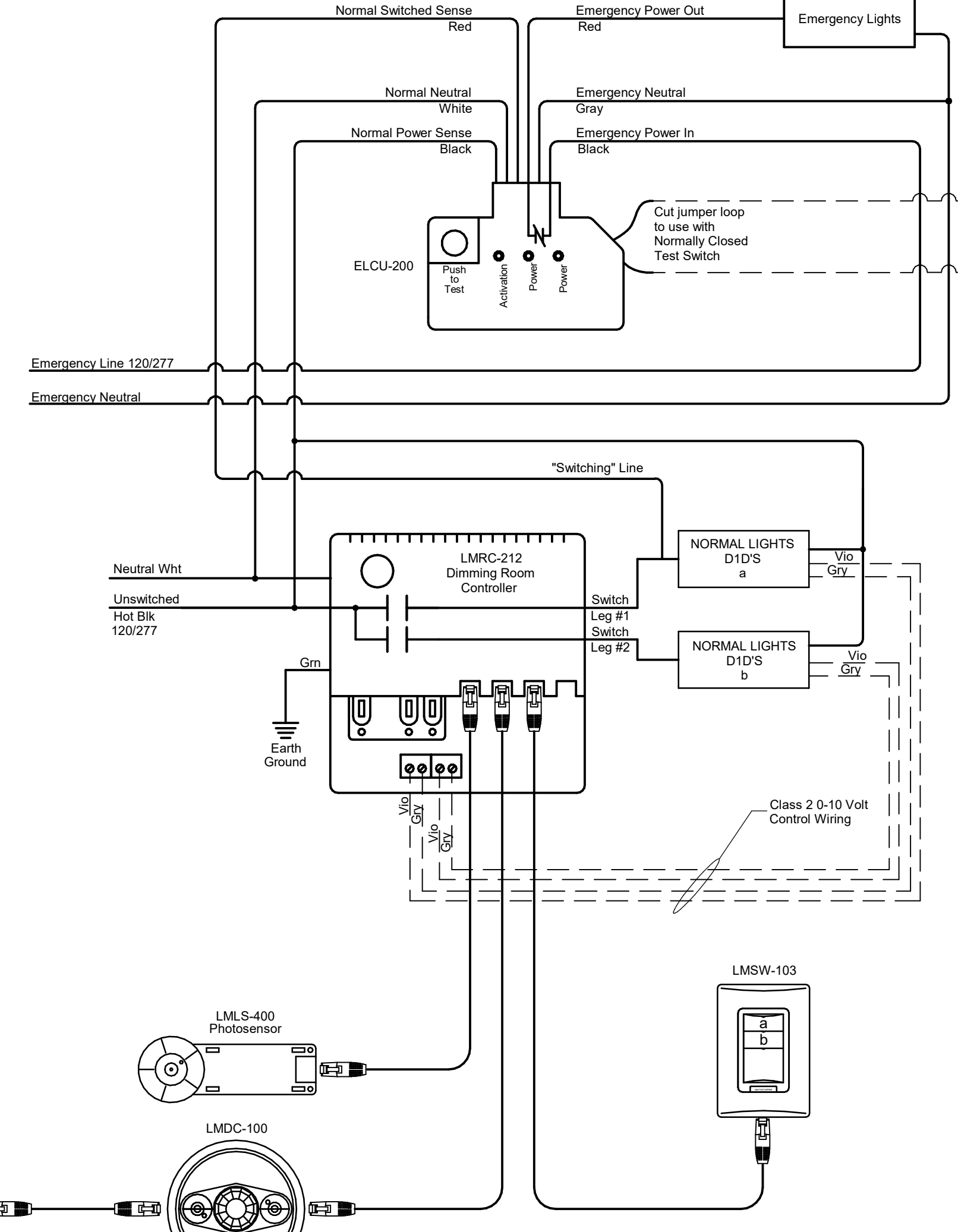
**3 CONFERENCE ROOM A130 LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



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**SEQUENCE OF OPERATIONS:**  
 1. DAYLIGHT SENSORS SHALL CONTROL ALL LIGHT FIXTURES LOCATED WITHIN THE DAYLIGHT ZONES OF THE WINDOWS. FIXTURES SHALL AUTOMATICALLY DIM BASED ON AMOUNT OF DAYLIGHT.  
 2. OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION.  
 3. SWITCH S-LV3 SHALL PROVIDE MANUAL ON/OFF AND DIMMING CONTROL OF ALL FIXTURES WITHIN THE SPACE.

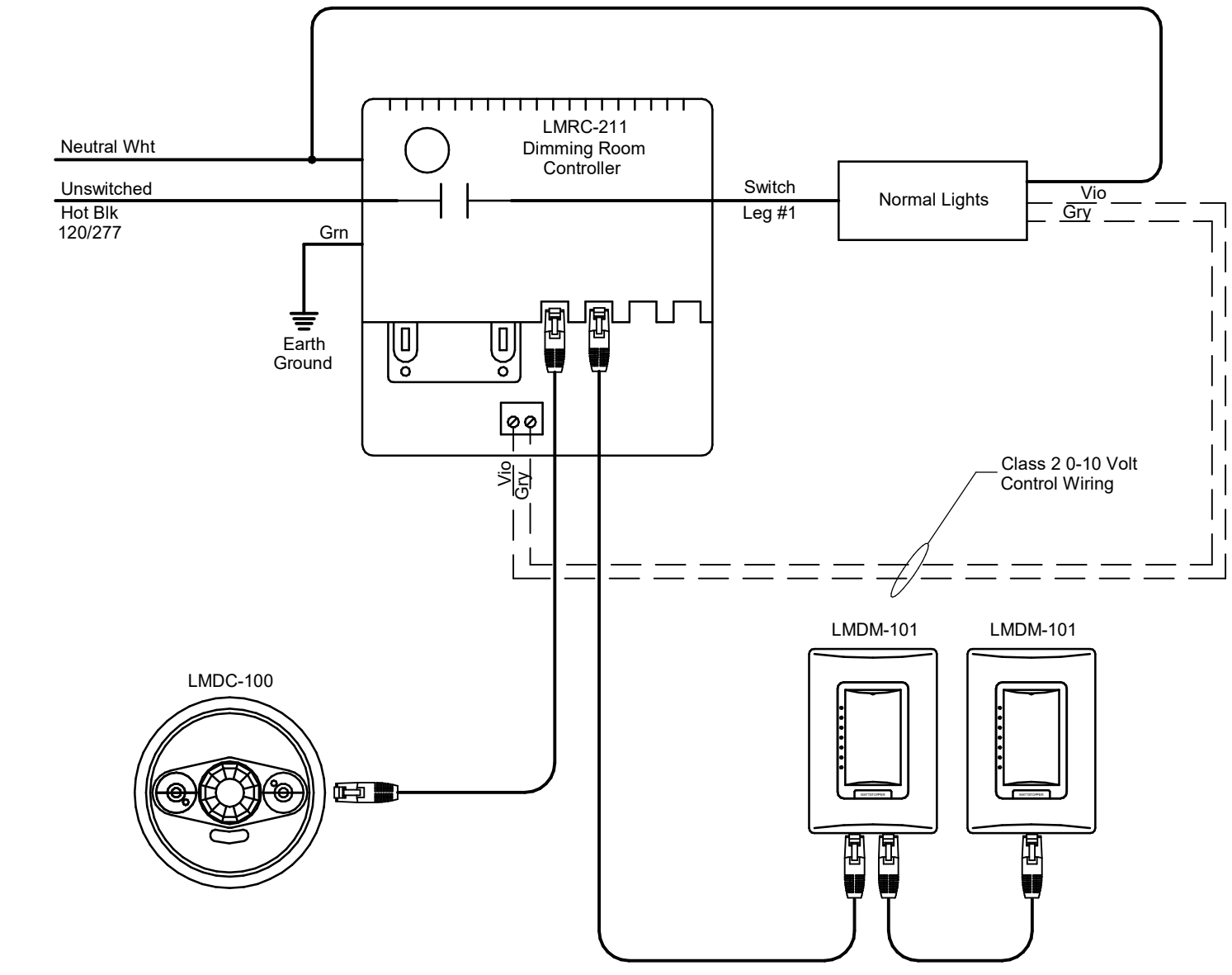
**6 NURSE STATION & EXAM ROOMS A138 LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



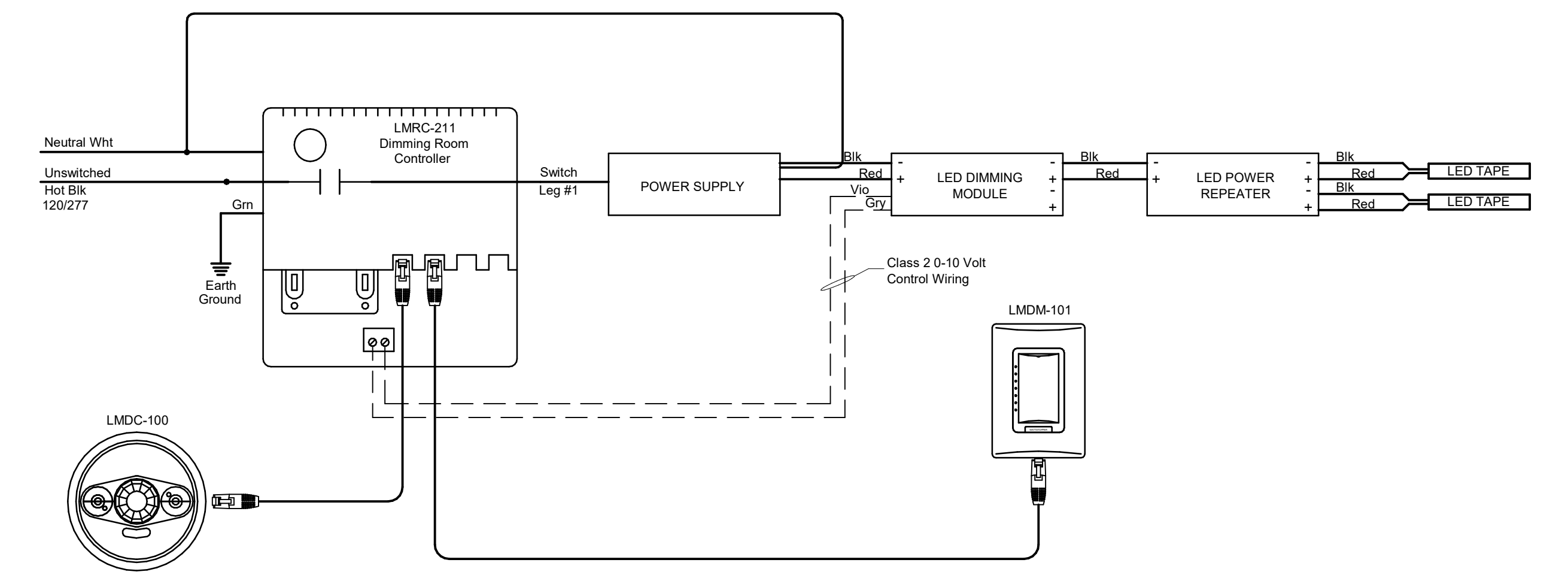
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 2. OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION.  
 3. SWITCH S-LV3 SHALL PROVIDE MANUAL ON/OFF CONTROL OF ALL OF FIXTURES WITHIN THE SPACE. REFER TO SHEET 6-EL101A FOR ADDITIONAL INFORMATION.

**2 RECEPTION A101 AND VESTIBULE A100 LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



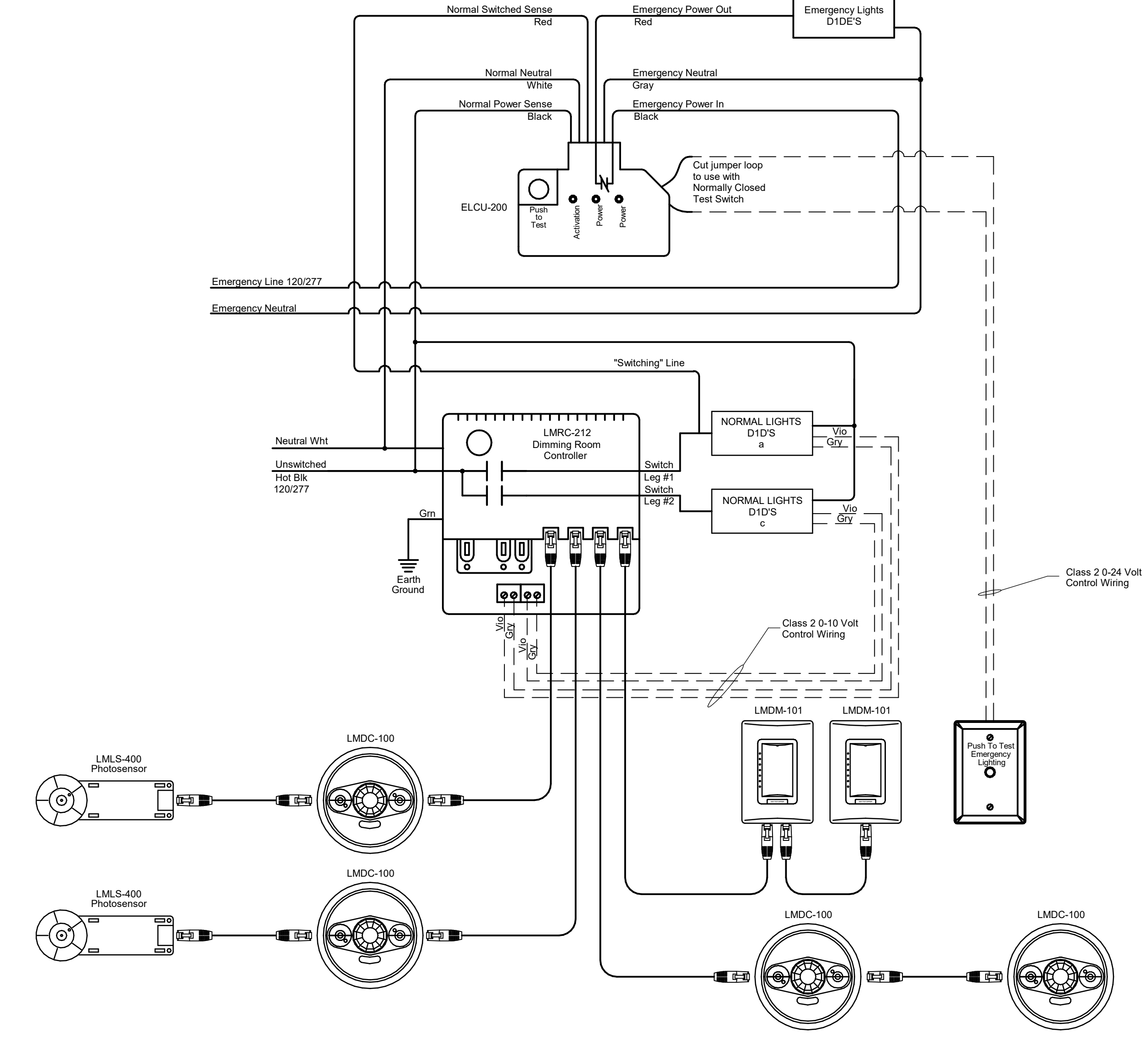
**5 HAC 127, GEROPSYCH A109 AND ED SUPPLY A139 LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



**NOTE:**  
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**SEQUENCE OF OPERATIONS:**  
 1. OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS WITHIN THE SPACE WITH AUTOMATIC OFF, MANUAL ON OPERATION.  
 2. SWITCH S-LV4 SHALL PROVIDE MANUAL ON/OFF AND DIMMING CONTROL OF ALL LIGHT FIXTURES.

**1 DAY ROOM ENTRANCE LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE



**NOTE:**  
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 3. SWITCH S-LV3 SHALL PROVIDE MANUAL ON/OFF CONTROL OF ALL OF FIXTURES WITHIN THE SPACE. REFER TO SHEET 6-EL101A FOR ADDITIONAL INFORMATION.

**4 DINING AND DAY ROOM B108 LIGHTING CONTROL WIRING DIAGRAM**  
 NOT TO SCALE

CONSULTANT INFORMATION	
STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER
STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100
Revision #	Date

ARCHITECT

**SPUR DESIGN**

312 SW 23th Street  
Overland Park, KS 66209  
spur-design.com

1000 King Street, Suite 350  
Overland Park, KS 66210  
overlandpark.com

KS ARCH REG. NO. A-1139, EXP. 12/31/2019  
KS ENGR REG. NO. E-2586, EXP. 12/31/2019

Office of Construction and Facilities Management

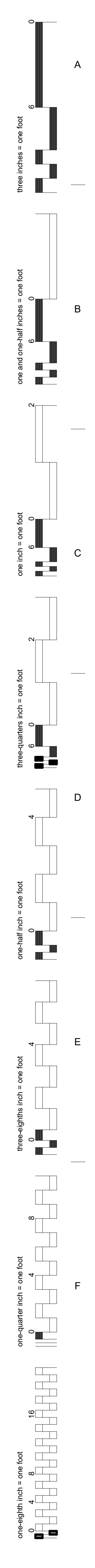
U.S. Department of Veteran Affairs

SHEET TITLE LIGHTING CONTROL DIAGRAMS
APPROVED: PROJECT DIRECTOR

PROJECT PHASE BID DOCUMENTS
FULLY SPRINKLERED

PROJECT TITLE RENOVATE A & B WING BLDG 6	VA PROJECT NUMBER 589-A5-19-116
PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622	BUILDING NUMBER 6
DATE 07/10/2019	DRAWING NUMBER 6-E-702
CHECKED BY JGW	Dwg. 145 OF 160
DRAWN BY ABM	





ABBREVIATIONS		M (CONT'D)	
#	IP SINGLE POLE	E	EMV MEDIUM VOLTAGE
1PH	SINGLE-PHASE	EG	MEGAVOLT-AMPERE
3P	THREE POLE	EL	MEGAWATT
3PH	THREE-PHASE	ELEC	NOT APPLICABLE
3W	THREE WIRE	ELEV	NATIONAL ELECTRICAL CODE
4W	FOUR WIRE	EMCP	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
EMER	EMERGENCY	EMT	NATIONAL FIRE PROTECTION ASSOCIATION
EMI	ELECTROMAGNETIC INTERFERENCE	ENCL	ENCLOSURE
A	A/C AIR CONDITIONING	EPO	EMERGENCY POWER OFF
A/E	ARCHITECT/ENGINEER	ESMT	EASEMENT
A/AP	ALARM ANNUNCIATOR PANEL	ETD	EXISTING TO BE DEMOLISHED
AC	ALTERNATING CURRENT OR ARMORED	ETR	EXISTING TO REMAIN
ACC	ACCESSIBLE	EWC	ELECTRIC WATER COOLER
ADDL	ADDITIONAL	EWK	ELECTRIC WATER HEATER
ADJ	ADJACENT, ADJOINING	EXIST	EXISTING
ADO	AUTOMATIC DOOR OPENER	F	FIXTURE
AF	AMPERE FRAME OR AMP FUSE	FL	FULL LOAD AMPS
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE FAULT CURRENT	FLX	FLEXIBLE METALLIC CONDUIT
AFF	ABOVE FINISHED FLOOR	FO	FIBER-OPTIC
AFG	ABOVE FINISHED GRADE	FP	FIRE PROTECTION
AH	AMPERE HOUR	FVNR	FULL VOLTAGE NON-REVERSING
AHJ	AUTHORITY HAVING JURISDICTION	FVR	FULL VOLTAGE REVERSING
AIC	AMPERE INTERRUPTING CAPACITY	G	GROUND OR GENERATOR
ALT	ALTERNATE	GEN	GENERATOR
AMB OR A	AMBIENT	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
AMP	AMPERE	GTB	GROUND TERMINAL BOX
ARCH	ARCHITECT	H	HORIZONTAL CABLE MANAGER
ASC	AMPS SHORT CIRCUIT	HCM	HIGH INTENSITY DISCHARGE
AT	AMPERE TRIP	HOA	HAND-OFF-AUTOMATIC
ATS	AUTOMATIC TRANSFER SWITCH	HP	HORSEPOWER
AUTO	AUTOMATIC	HT	HEIGHT
AV	AUDIO VISUAL	HZ	HERTZ
B	BATTERY	I	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
BAT	BATTERY	IG	ISOLATED GROUND
BC	BARE COPPER	IMC	INTERMEDIATE METAL CONDUIT
BD	BOARD	INCAND	INCANDESCENT
BFF	BELOW FINISH FLOOR	IR	INFRARED
BL	BASIC INSULATION LEVEL	IWH	INSTANTANEOUS WATER HEATER
BLDG	BUILDING	J	JUNCTION BOX
BLK	BLOCK	J-BOX	JUNCTION BOX
BRIP	BOILER PLANT	K	KILOVOLT
BRKR	CIRCUIT BREAKER	KV	KILOVOLT AMPERE
BYP	BY PASS	KVAH	KILOVOLT AMPERE PER HOUR
C	CONDUIT	KVAR	KILOVOLT AMPERE REACTIVE
CAP	CAPACITY	KW	KILOWATT
CAT	CATALOG	KWH	KILOWATT HOUR
CATV	COMMUNITY ANTENNA TELEVISION	KWHM	KILOWATT HOUR METER
CCR	CONTROL CONTACTOR	L	LINEAR FEET (FOOT)
CCTV	CLOSED CIRCUIT TELEVISION	LED	LIGHT EMITTING DIODE
CD	CANDELA	LM	LUMEN
CD	CONSTRUCTION DOCUMENTS	LP	LIGHT POLE
CF	CONTRACTOR FURNISHED	LPS	LOW PRESSURE SODIUM
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	LRA	LOCKED ROTOR AMPS
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED	LTOP	LOCAL TEMPERATURE CONTROL PANEL
CFE	CONTRACTOR FURNISHED/EQUIPMENT	LT	LIGHT
CHW	CHILLED WATER	LTG	LIGHTING
CHWP	CHILLED WATER PUMP	LTG PNL	LIGHTING PANEL
CKT	CIRCUIT	LTVNG	LIGHTNING
CKT BRKR	CIRCUIT BREAKER	LV	LOW VOLTAGE
CLF	CURRENT LIMITING FUSE	M	METER
CLG	CEILING	MATV	MASTER ANTENNA TELEVISION SYSTEM
CMU	CONCRETE MASONRY UNIT	MAX	MAXIMUM
COAX	COAXIAL CABLE	MC	METAL-CLAD
COMM	COMMUNICATION	MCA	MINIMUM CIRCUIT AMPS
CONC	CONCRETE	MCB	MAIN CIRCUIT BREAKER
CONT	CONTINUE	MCC	MOTOR CONTROL CENTER
CONTR	CONTRACTOR	MDP	MAIN DISTRIBUTION PANEL
COORD	COORDINATE	MECH	MECHANICAL
CPT	CONTROL POWER TRANSFORMER	MG	MOTOR GENERATOR
CRI	COLOR RENDERING INDEX	MH	MANHOLE
CT	CURRENT TRANSFORMER	MIN	MINIMUM
CTV	CABLE TELEVISION	MOCP	MAXIMUM OVERCURRENT PROTECTION
CU	COPPER	MLO	MAIN LUGS ONLY
CU FT	CUBIC FEET	MT	MOUNT
D	DECIBEL OR DIRECT BURIAL	MTD	MOUNTED
DB	DECIBEL OR DIRECT BURIAL	MTG	MOUNTING
DCP	DIMMER CONTROL PANEL	N	NEUTRAL
DEG C	DEGREES CELSIUS	NA	NOT APPLICABLE
DEG F	DEGREES FAHRENHEIT	NEC	NATIONAL ELECTRICAL CODE
DEMO	DEMOLITION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
DIAG	DIAGRAM	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
DISC	DISCONNECT	NIC	NOT IN CONTRACT
DISTR	DISTRIBUTION	NL	NIGHT LIGHT
DISTR PNL	DISTRIBUTION PANEL	NO	NORMALLY OPEN
DN	DOWN	NS	NO SCALE
DPDT	DOUBLE POLE, DOUBLE THROW	NTS	NOT TO SCALE
DPST	DOUBLE POLE, SINGLE THROW	O	ON CENTER
DRSW	DOOR SWITCH	OD	OUTSIDE DIAMETER
DS	DISCONNECT SWITCH	OL	OVERLOAD
DWG	DRAWING	P	PANEL
		PA	PUBLIC ADDRESS
		PB	PANELBOARD, PULL BOX, OR PUSHBUTTON
		PBP	PREFABRICATED BEDSIDE PATIENT UNIT
		PCB	POLYCHLORINATED BIPHENYL
		PVC	POLYVINYL CHLORIDE (PLASTIC)
		PED	PEDESTAL
		PEND	PENDANT
		PF	POWER FACTOR
		PH	PHASE
		POD	POWER OPERATED DAMPER
		PPE	PATCH PANEL
		PT	POTENTIAL TRANSFORMER
		PTRV	POWER TYPE ROOF VENTILATION
		PWR	POWER
		R	RACK UNIT
		RCP	REFLECTED CEILING PLAN
		RCPT	RECEPTACLE
		REC	RECESSED
		REQD	REQUIRED
		RGS	RIGID GALVANIZED STEEL
		RM	ROOM
		RMS	ROOT MEAN SQUARE
		RU	RACK UNIT
		S	SHEET
		SCC	SHORT CIRCUIT CAPACITY
		SES	SERVICE ENTRANCE SECTION
		SD	SMOKE DETECTOR
		SF	SQUARE FOOT (FEET)
		SH	SHIRT
		SI	INTERNATIONAL SYSTEM OF UNITS
		SPEC	SPECIFICATION
		SP	SINGLE POLE, SINGLE THROW
		SW	SWITCH
		SWBD	SWITCHBOARD
		SWGR	SWITCHGEAR
		T	TIME
		TC	TIME CLOCK
		TEL	TELEPHONE
		TP	TWISTED PAIR
		TPS	TWISTED PAIR SHIELDED
		TB	TELEPHONE TERMINAL BOARD
		TV	TELEVISION
		TYP	TYPICAL
		UF	UNDERFLOOR DUCT
		UG	UNDERGROUND
		UL	UNDERWRITERS LABORATORY
		UNO	UNLESS NOTED OTHERWISE
		UNINT	UNINTERRUPTIBLE POWER SUPPLY
		UTIL	UTILITY
		V	VOLT
		VA	VOLT AMPERE
		VAR	VERTICAL CABLE MANAGER
		VCM	VARIABLE FREQUENCY DRIVE
		VFD	VARIABLE FREQUENCY DRIVE
		VOLT	VOLTAGE
		W	WATT
		WH	WATER HEATER
		WP	WEATHERPROOF
		X	XFER
		XP	EXPLOSION PROOF

COMMUNICATION SYMBOLS	
	COMMUNICATIONS OUTLET, TYPE AS NOTED #D = DATA, # = QUANTITY OF CABLES #E = ELEVATOR, # = QUANTITY OF CABLES #FMS = FACILITY MONITORING SYSTEM, # = QUANTITY OF CABLES #TV = CABLE TELEVISION, # = QUANTITY OF CABLES #V = VOICE, # = QUANTITY OF CABLES
	COMMUNICATIONS OUTLET, FLOOR BOX, TYPE AS NOTED #D = DATA, # = QUANTITY OF CABLES #TV = CABLE TELEVISION, # = QUANTITY OF CABLES #V = VOICE, # = QUANTITY OF CABLES
	MULTI-SERVICE POWER POLE WITH POWER/DATA, TYPE AS NOTED AND/OR SCHEDULED
	MULTI-SERVICE FLOOR BOX/POKE-THRU WITH POWER/DATA, TYPE AS NOTED AND/OR SCHEDULED
	COMMUNICATIONS OUTLET, CEILING MTD, TYPE AS NOTED #D = DATA, # = QUANTITY OF CABLES #TV = CABLE TELEVISION, # = QUANTITY OF CABLES
	WIRELESS ACCESS POINT, CEILING MOUNTED
	INTERCOM, "M" DENOTES MASTER STATION
	SPEAKER, WALL MOUNTED
	SPEAKER, CEILING MOUNTED
	VOLUME CONTROL, WALL MOUNTED
	CABLE TRAY, TYPE AS NOTED
	GROUND BAR, TYPE AS NOTED
	SERVER RACK, TWO-POST, FLOOR MOUNTED
	SERVER RACK, WALL MOUNTED
	SERVER RACK, FOUR-POST, FLOOR MOUNTED
	SERVER CABINET, FLOOR MOUNTED
	3/4"x4"x8", FIRE-RATED PLYWOOD BACKBOARD
	CATV — CABLE TELEVISION LINE
	D — DATA LINE
	FO — FIBEROPTIC LINE
	IC — INTERCOM LINE
	S — SPEAKER LINE
	T — TELEPHONE LINE
	T/D — TELEPHONE/DATA LINE
	UC — UNDERGROUND COMMUNICATIONS LINE, CABLING TYPE AS NOTED

NURSE CALL SYMBOLS	
	CODE BLUE PUSHBUTTON STATION
	DUTY STATION
	STAFF EMERGENCY ASSIST STATION
	PATIENT EMERGENCY PULL CORD STATION
	NURSE CALL KEY SWITCH
	STAFF LOCATOR SENSOR
	NURSE CALL VISUAL ANNUNCIATOR PANEL
	NURSE CALL MASTER STATION
	PATIENT STATION WITH BED CONNECTOR
	PATIENT STATION WITH CODE BLUE
	STAFF STATION (NORMAL, EMERGENCY & CODE BLUE)
	WALL MOUNTED DOME LIGHT
	CEILING MOUNTED DOME LIGHT
	ZONE DOME LIGHT

SECURITY SYMBOLS	
	CARD READER, PROXIMITY TYPE
	DOOR BELL PUSHBUTTON
	DOOR BELL CHIME
	DOOR POSITION MONITOR
	EMERGENCY CALL STATION
	ELECTRIFIED LOCKING DEVICE, REQUEST TO EXIT SENSOR, LATCH BOLT MONITOR, AND DOOR POSITION SWITCH
	ELECTRIFIED LOCKING DEVICE
	GLASS BREAK DETECTOR
	GATE OPENER
	INTRUSION DETECTION KEYPAD
	RFID KEY TAG READER
	INTRUSION DETECTION MOTION DETECTOR
	DURESS PUSHBUTTON
	REQUEST TO EXIT BUTTON
	SINGLE VIEW SECURITY CAMERA
	DUAL VIEW SECURITY CAMERA
	180-DEGREE PANORAMIC VIEW SECURITY CAMERA
	270-DEGREE PANORAMIC/MULTI-IMAGE VIEW SECURITY CAMERA
	360-DEGREE PANORAMIC/MULTI-IMAGE VIEW SECURITY CAMERA
	CCTV — CLOSED CIRCUIT TELEVISION LINE, MIN. 1" RACEWAY

ANNOTATION		STANDARD MOUNTING HEIGHTS	
	MECHANICAL OR FIRE SPRINKLER PLAN NOTE CALL OUT	ELECTRICAL (AFF, AFG UNLESS NOTED OTHERWISE)	
	PLUMBING PLAN NOTE CALL OUT	AUDIBLE APPLIANCES (CENTERLINE)	84"
	ELECTRICAL, TECHNOLOGY OR FIRE ALARM PLAN NOTE CALL OUT	ALARMS	48"
	OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT DESIGNATION	ANNUNCIATOR PANELS	48"
	PLUMBING EQUIPMENT DESIGNATION	CLOCK OUTLETS (CENTERLINE)	84"
	EQUIPMENT DESIGNATION TAG	CONTROLS (TOP)	48"
	NEW WORK TO EXISTING WORK CONNECTION POINT	EXIT SIGNS (WALL-MOUNTED, BOTTOM)	80"
	DETAIL REFERENCE	FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)	60"
	SECTION CUT DESIGNATION	FIRE ALARM BELL (EXTERIOR)	120"
		FIRE ALARM CONTROL PANEL/UNIT (DISPLAY)	60"
		INTERCOM (AFEA ONLY)	36"
		INTERCOMS (TOP)	48"
		PANELS & PANELBOARDS (TOP)	72"
		PULL STATIONS (HANDLE)	48"
		PHOTOCELLS	144"
		RECEPTACLES (BOTTOM)	18"
		RECEPTACLES (EXTERIOR)	24"
		RECEPTACLES (GARAGES)	26"
		RECEPTACLES IN EQUIPMENT ROOMS (TOP)	48"
		REMOTE INDICATING LIGHT (EQUIPMENT ROOMS)	60"
		REMOTE INDICATING LIGHT (FINISHED AREAS)	48"
		SAFETY SWITCHES & STARTERS	48"
		SWITCHES (TOP)	48"
		TELEPHONE/DATA/TV OUTLETS (BOTTOM)	18"
		VISIBLE APPLIANCES (CENTERLINE)	84"

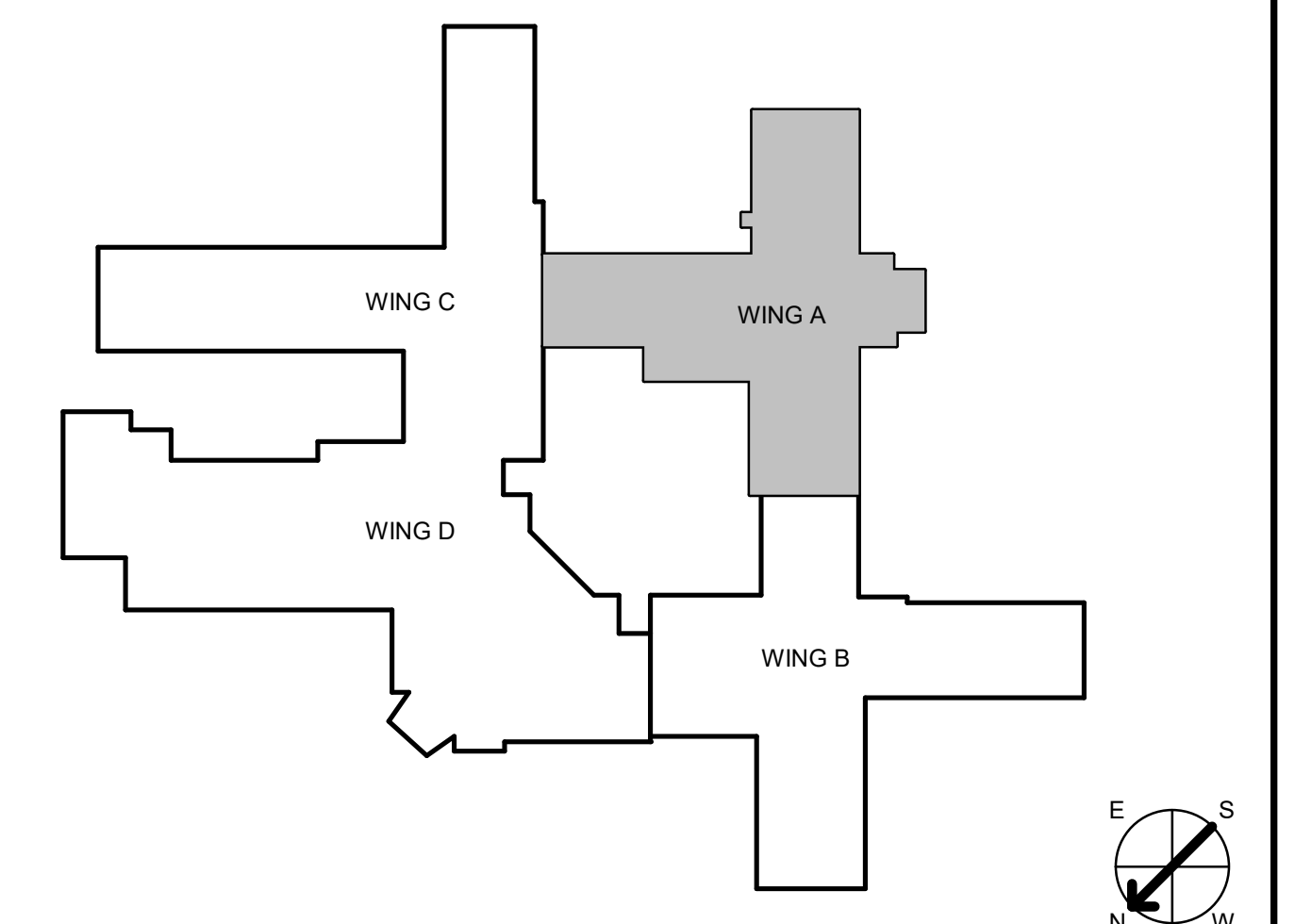
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER FIRE PROTECTION ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169 SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100 POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>   KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019	<b>Office of Construction and Facilities Management</b> 	<b>Office of Construction and Facilities Management</b> SHEET TITLE <b>TECHNOLOGY LEGEND</b> APPROVED: PROJECT DIRECTOR	PROJECT PHASE <b>BID DOCUMENTS</b> <b>FULLY SPRINKLERED</b>	PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION <b>2200 SW GAGE BLVD          TOPEKA, KS 66622</b> DATE <b>07/10/2019</b> CHECKED BY <b>BEN</b> DRAWN BY <b>ABM</b>	VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-T-000</b> Dwg. 146 OF 160
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three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
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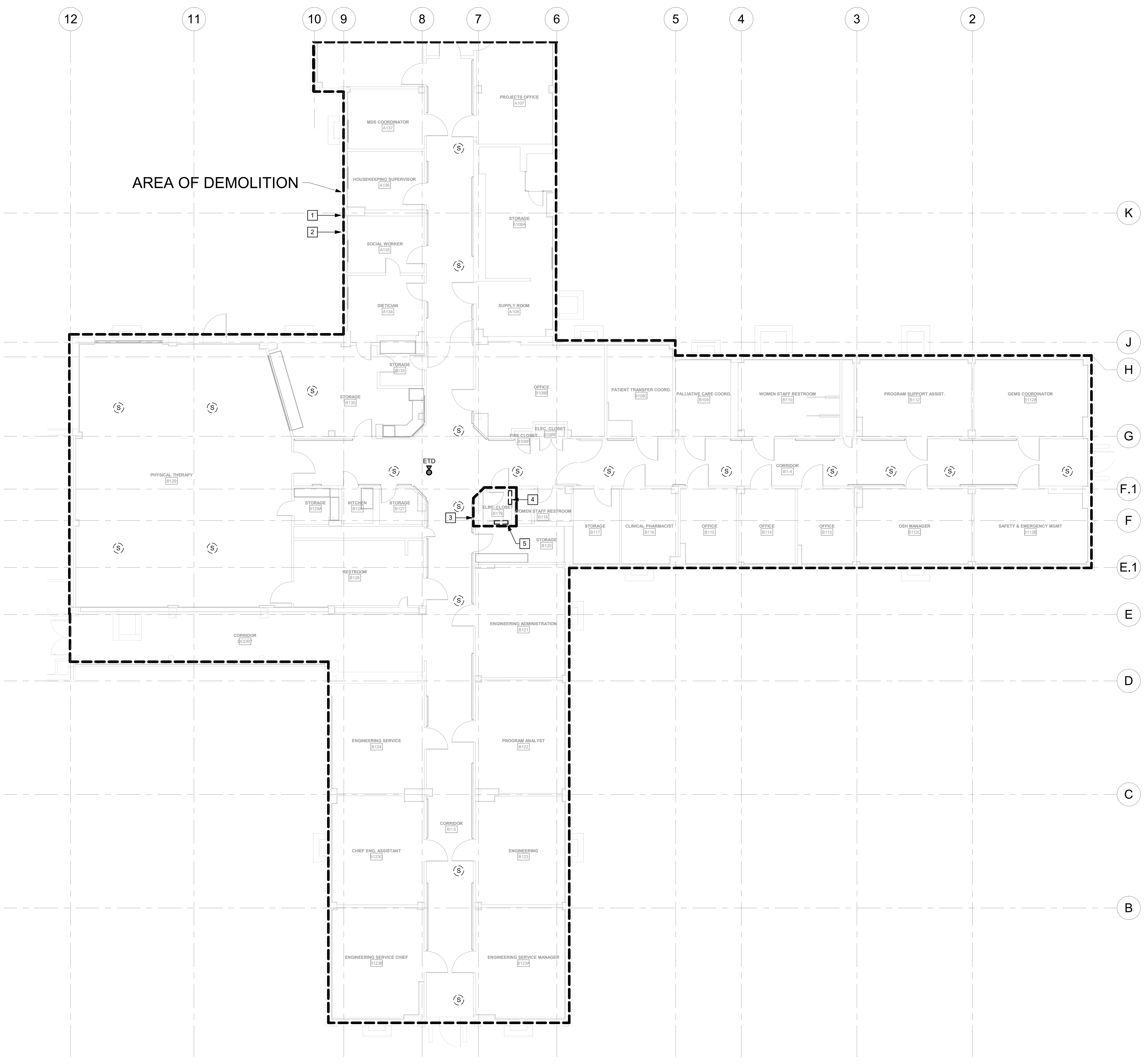
1 TECHNOLOGY DEMOLITION PLAN - A WING  
 1/8" = 1'-0"

- GENERAL NOTES:**
- THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  - SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  - COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  - COORDINATE TELECOMMUNICATIONS WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  - TELECOMMUNICATIONS EQUIPMENT WILL REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
  - THE DEMOLITION DRAWINGS ARE DEEMED SCHEMATIC AND BASED OFF OF AVAILABLE INFORMATION AND MAY NOT REPRESENT ALL DEVICES/EQUIPMENT REQUIRED FOR DEMOLITION. FIELD VERIFY ALL EXISTING DEMOLITION WORK PRIOR TO SUBMISSION OF PROPOSAL.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- TECHNOLOGY PLAN NOTES:**
- EXISTING WIRELESS ACCESS POINTS WILL BE REMOVED AND STORED BY THE VA.
  - REMOVE ALL TECHNOLOGY DEVICES AND ASSOCIATED CATEGORY CABLING BACK TO THE HEAD END EQUIPMENT/RACK WITHIN THE AREA OF WORK.
  - EXISTING WALL MOUNTED BAS DATA SWITCH TO REMAIN.
  - EXISTING WALL MOUNTED DATA ENCLOSURE TO REMAIN.
  - EXISTING WALL MOUNTED CAMDEX SECURITY ENCLOSURE TO REMAIN.
  - EXISTING WALL MOUNTED FIBER TERMINATION UNIT TO REMAIN.
- DEDUCT ALTERNATE NOTES:**
- IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING, TELECOM DEVICES, PUBLIC ADDRESS DEVICES, NURSE CALL DEVICES, AND SECURITY DEVICES OUTSIDE THE AREA OF SHOWN.



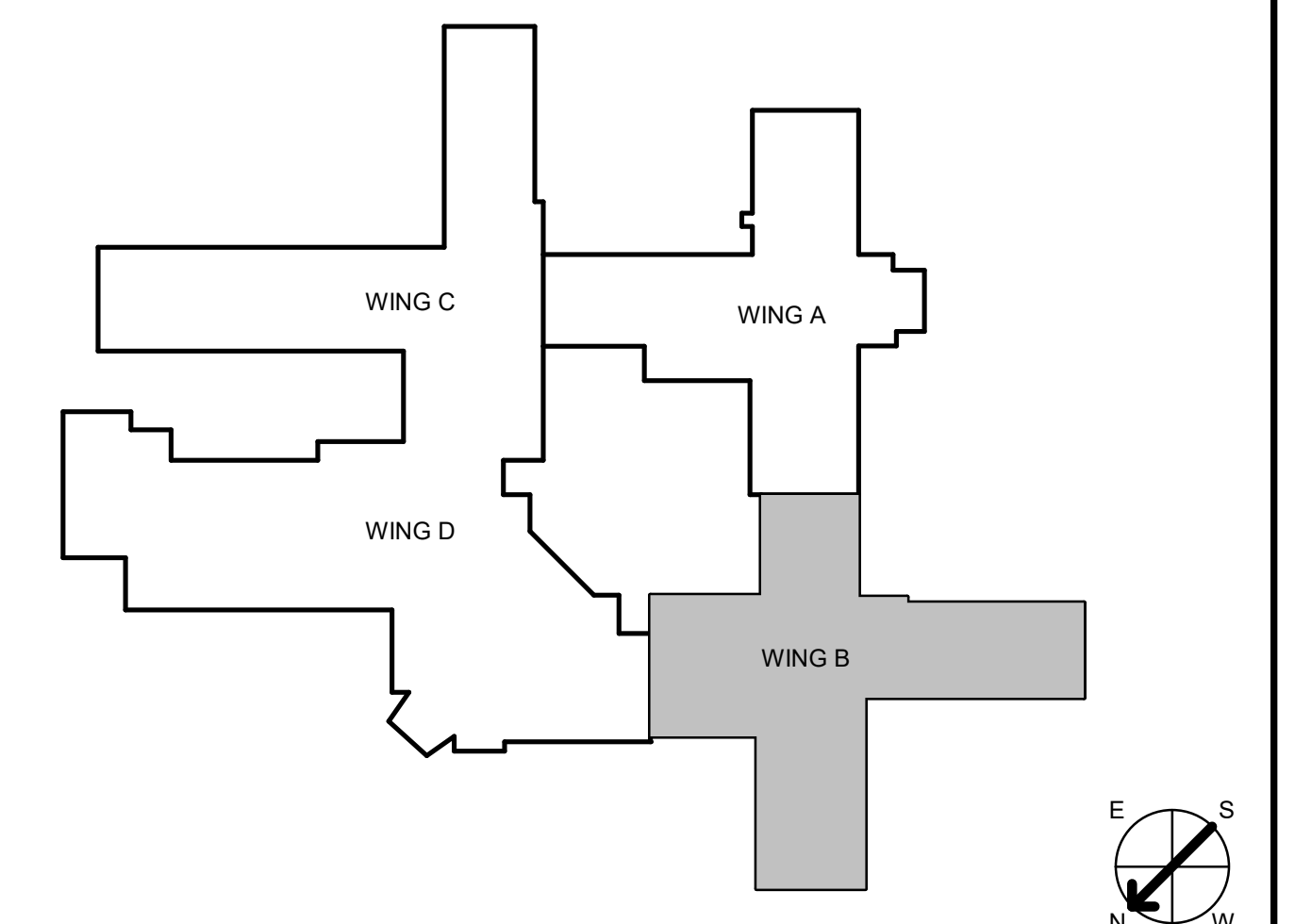
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169			MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100			FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (813) 829-8650			<b>ARCHITECT</b>  312 SW 23th Street Overland Park, KS 66150 (913) 214-2169 11020 King Street, Suite 350 Overland Park, KS 66210 (405) 842-6100 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019			<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs 			SHEET TITLE <b>TECHNOLOGY DEMOLITION PLAN - A WING</b> APPROVED: PROJECT DIRECTOR			PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED			PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622			VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-TD101A</b> Dwg. 147 OF 160		
Revision #		Date		DATE		CHECKED BY		DRAWN BY		DATE		CHECKED BY		DRAWN BY												
				07/10/2019		BEN		ABM		07/10/2019		BEN		ABM												

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 one quarter inch = one foot  
 one half inch = one foot  
 one eighth inch = one foot



- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE TELECOMMUNICATIONS WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. TELECOMMUNICATIONS EQUIPMENT WILL REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
  6. THE DEMOLITION DRAWINGS ARE DEEMED SCHEMATIC AND BASED OFF OF AVAILABLE INFORMATION AND MAY NOT REPRESENT ALL DEVICES/EQUIPMENT REQUIRED FOR DEMOLITION. FIELD VERIFY ALL EXISTING DEMOLITION WORK PRIOR TO SUBMISSION OF PROPOSAL.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

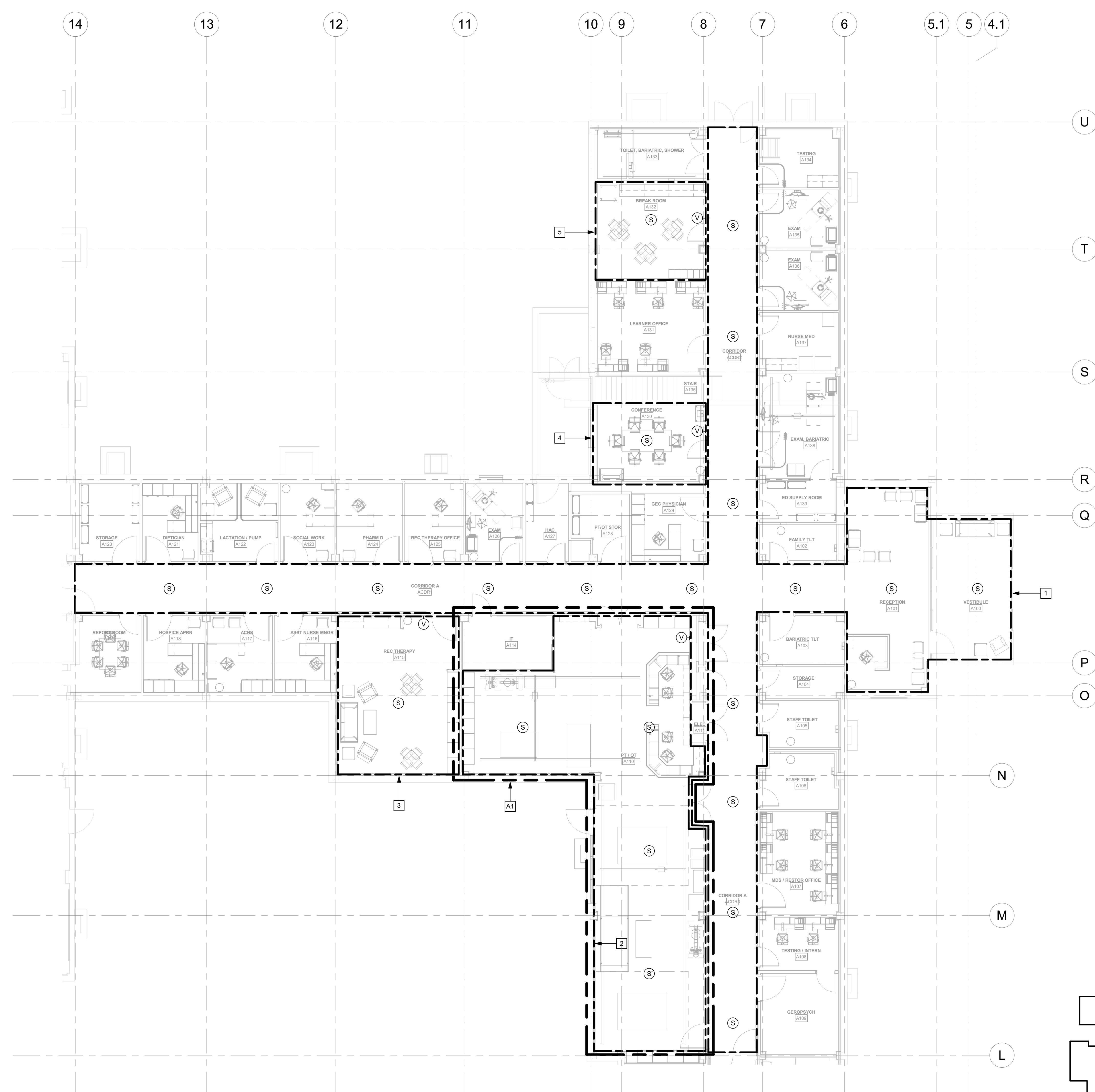
- TECHNOLOGY PLAN NOTES:**
1. EXISTING WIRELESS ACCESS POINTS TO BE REMOVED AND STORED BY THE VA.
  2. REMOVE ALL TECHNOLOGY DEVICES AND ASSOCIATED CATEGORY CABLING BACK TO THE HEAD END EQUIPMENT/RACK WITHIN THE AREA OF WORK.
  3. ELECTRICAL CLOSET TO REMAIN DURING PHASE #1 UNTIL POWER CAN BE RELOCATED FOR THE EXISTING PHYSICAL THERAPY ROOM.
  4. RELOCATE EXISTING PUBLIC ADDRESS SYSTEM ENCLOSURE TO ELECTRICAL CLOSET B101. REFER TO SHEET 6-T1101B FOR NEW LOCATION. COORDINATE WITH VA COR.
  5. RELOCATE EXISTING NURSE CALL CONTROL PANEL TO ELECTRICAL CLOSET B101. REFER TO SHEET 6-TM101B FOR NEW LOCATION. COORDINATE WITH VA COR.



1 TECHNOLOGY DEMOLITION PLAN - B WING  
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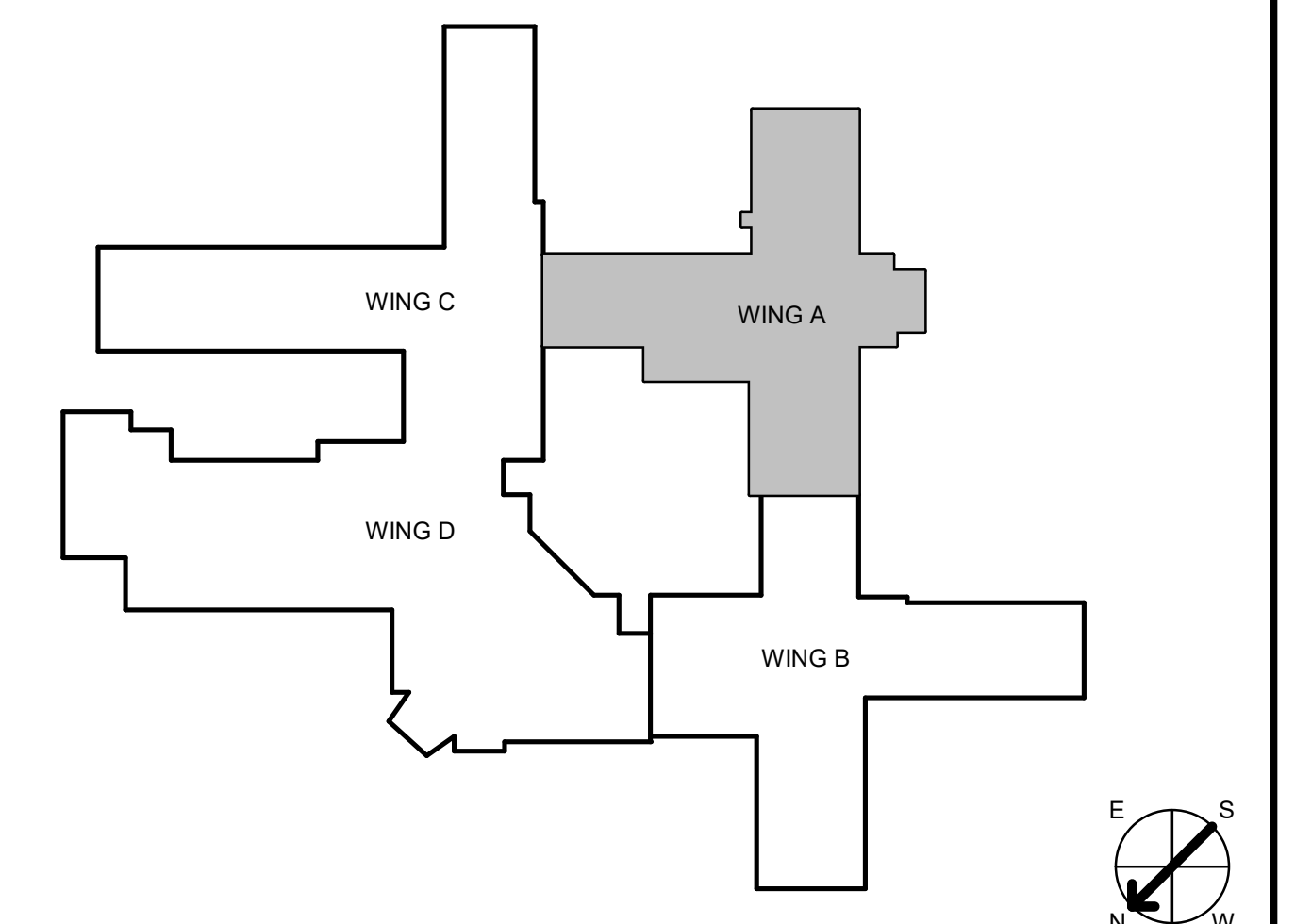
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Revision #      Date		KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>					

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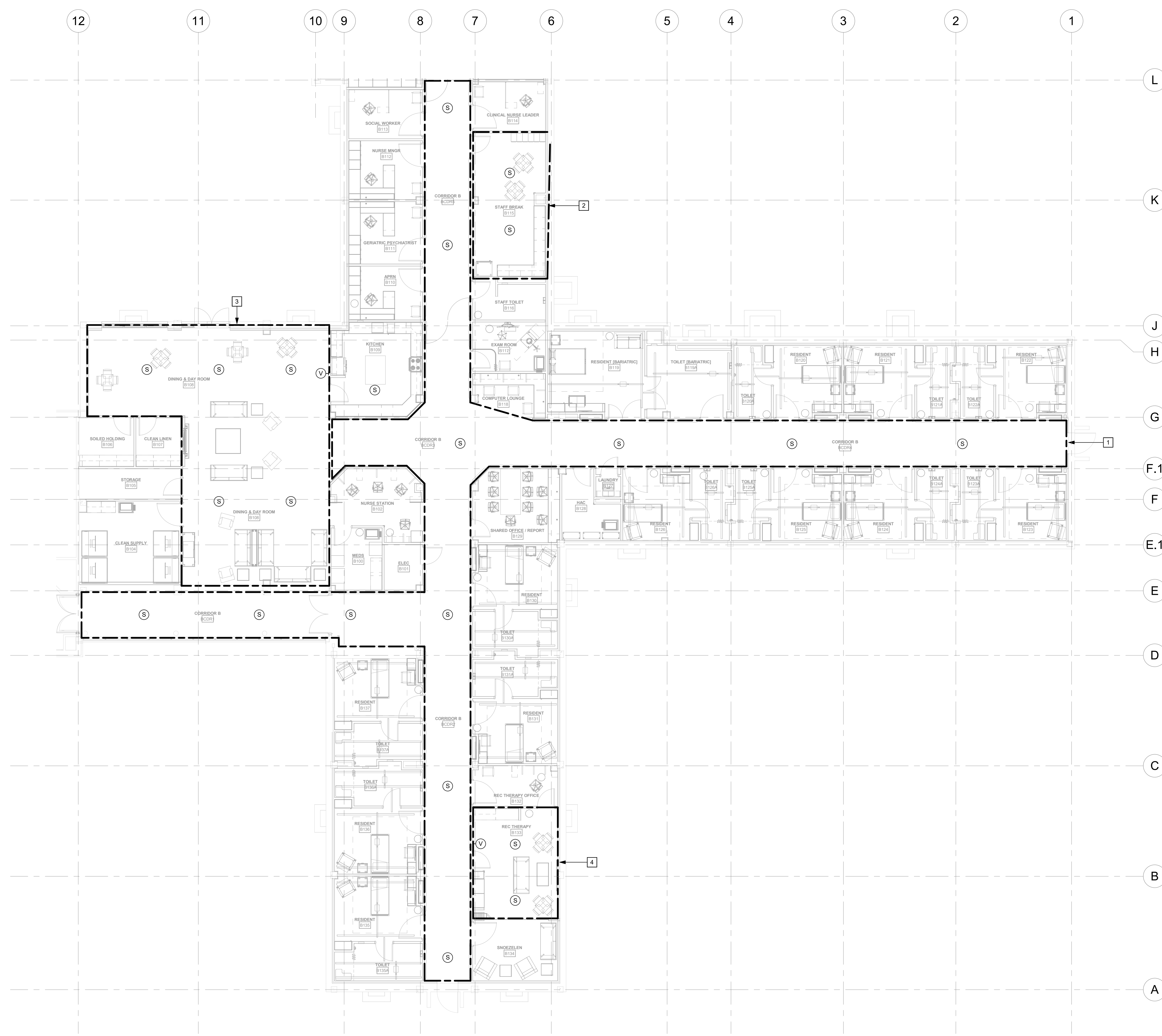
- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE TELECOMMUNICATIONS WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. TELECOMMUNICATIONS EQUIPMENT WILL REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
  6. ALL TELECOMMUNICATIONS CABLING SHALL BE CATEGORY 6, PLENUM RATED CABLE WITH TIA/EIA-568B WIRING SCHEME. PROVIDE BLUE CABLE FOR DATA AND WHITE CABLE FOR VOICE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- TECHNOLOGY PLAN NOTES:**
1. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 1. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  2. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 2. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  3. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 3. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  4. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 4. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  5. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 5. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
- DEDUCT ALTERNATE NOTES:**
- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING AND PUBLIC ADDRESS DEVICES OUTSIDE OF THE AREA SHOWN.

1 PUBLIC ADDRESS PLAN - A WING  
 1/8" = 1'-0"



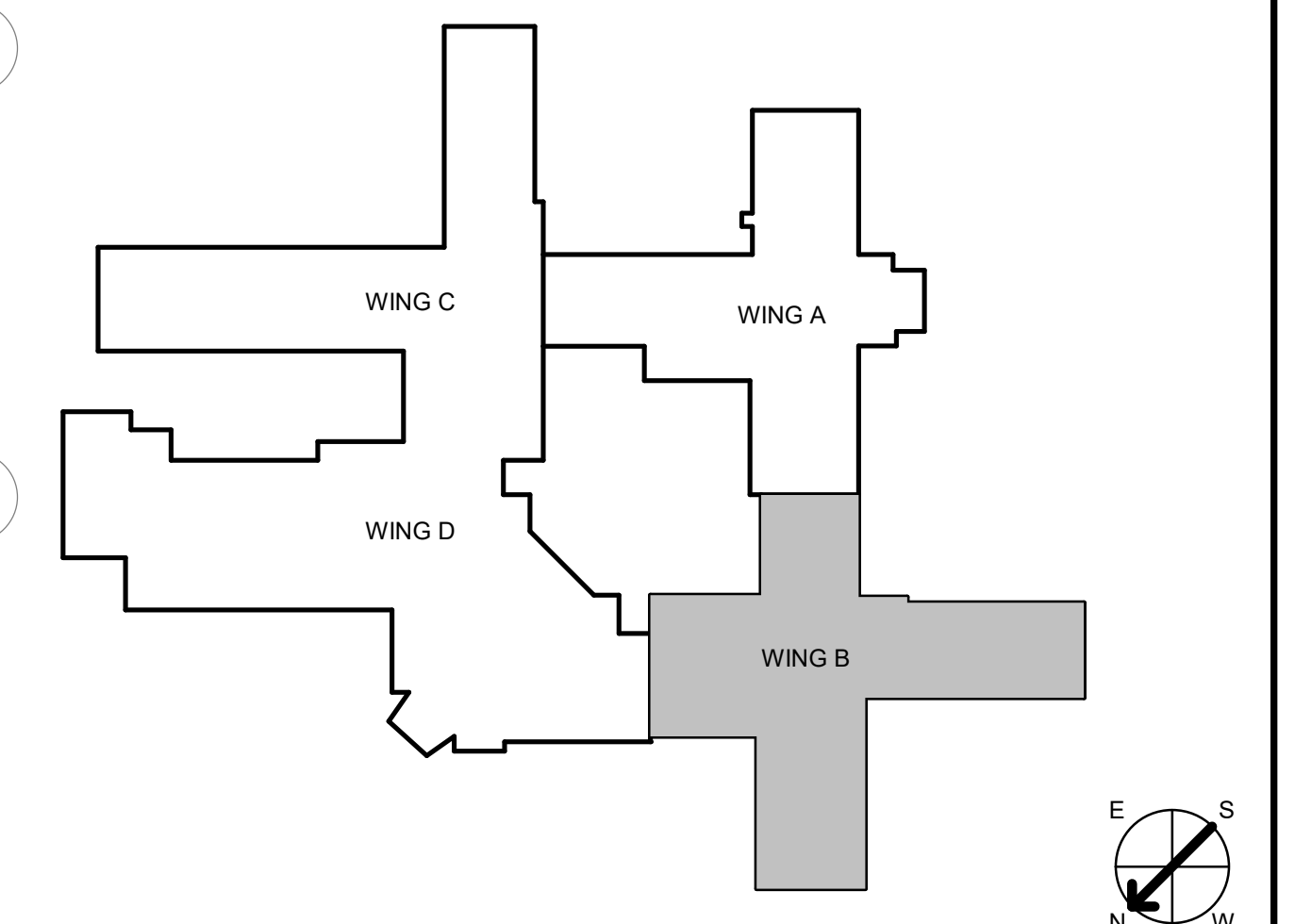
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (813) 829-8650		<b>ARCHITECT</b>  512 SW 23th Street Overland Park, KS 66209 (913) 214-2169 11020 King Street, Suite 350 Overland Park, KS 66210 (405) 842-6100 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE PUBLIC ADDRESS PLAN - A WING APPROVED: PROJECT DIRECTOR		PROJECT PHASE BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE RENOVATE A & B WING BLDG 6 PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER 589-A5-19-116 BUILDING NUMBER 6 DRAWING NUMBER 6-T1101A Dwg. 149 OF 160	
Revision #      Date										DATE 07/10/2019		CHECKED BY BEN		DRAWN BY ABM			

three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 two inches = one foot  
 three inches = one foot  
 four inches = one foot  
 five inches = one foot  
 six inches = one foot  
 seven inches = one foot  
 eight inches = one foot  
 nine inches = one foot  
 ten inches = one foot  
 eleven inches = one foot  
 twelve inches = one foot



- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE TELECOMMUNICATIONS WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  5. TELECOMMUNICATIONS EQUIPMENT WILL REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
  6. ALL TELECOMMUNICATIONS CABLING SHALL BE CATEGORY 6, PLENUM RATED CABLE WITH TIA/EIA-568B WIRING SCHEME. PROVIDE BLUE CABLE FOR DATA AND WHITE CABLE FOR VOICE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- TECHNOLOGY PLAN NOTES:**
1. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 7. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  2. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 8. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  3. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 9. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
  4. PUBLIC ADDRESS/MASS NOTIFICATION SYSTEM PROPOSED ZONE 10. PROVIDE DROP CEILING MOUNTED SPEAKERS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.

**1 PUBLIC ADDRESS PLAN - B WING**  
 1/8" = 1'-0"



<p><b>CONSULTANT INFORMATION</b></p> <p>STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11927 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210, (913) 214-2169</p> <p>MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210, (405) 842-6100</p> <p>FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062, (913) 829-8650</p>		<p><b>ARCHITECT</b></p> <p><b>SPUR DESIGN</b></p> <p>312 SW 23rd Street, Overland Park, KS 66209, spur-design.com</p> <p>10302 King Street, Suite 350, Overland Park, KS 66210, spur-design.com</p> <p>Professional Engineer Seal: KANSAS PROFESSIONAL ENGINEER, 16527, 04/10/2019</p>		<p><b>Office of Construction and Facilities Management</b></p> <p>U.S. Department of Veteran Affairs</p>		<p>SHEET TITLE: PUBLIC ADDRESS PLAN - B WING</p> <p>APPROVED: PROJECT DIRECTOR</p>		<p>PROJECT PHASE: BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>		<p>PROJECT TITLE: RENOVATE A &amp; B WING BLDG 6</p> <p>PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622</p> <p>DATE: 07/10/2019</p> <p>CHECKED BY: BEN</p>		<p>VA PROJECT NUMBER: 589-A5-19-116</p> <p>BUILDING NUMBER: 6</p> <p>DRAWING NUMBER: 6-T1101B</p> <p>Dwg. 150 OF 160</p>	
<p>Revision #</p> <p>Date</p>													

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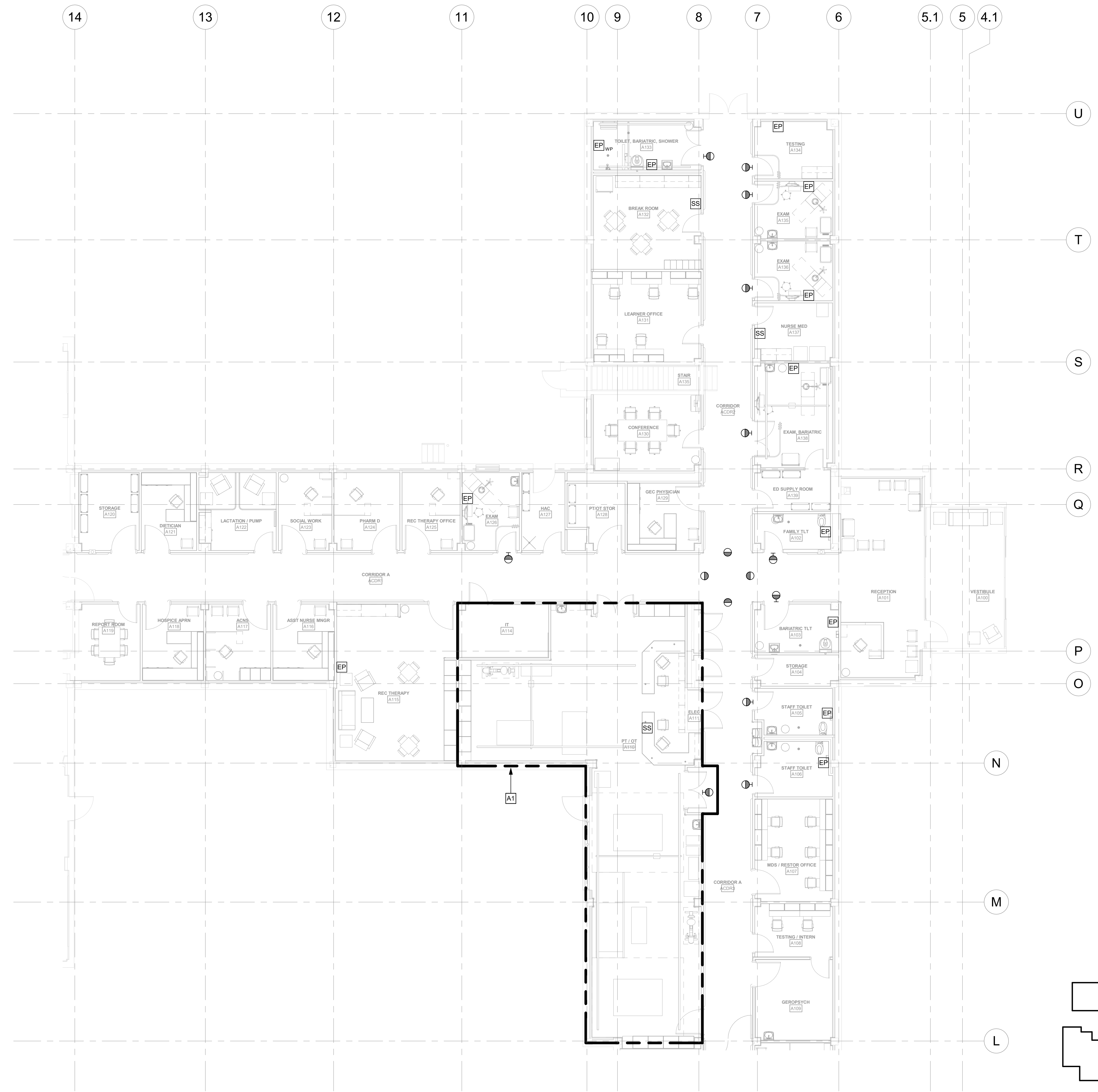
**DEDUCT ALTERNATE & PHASING:**

ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.

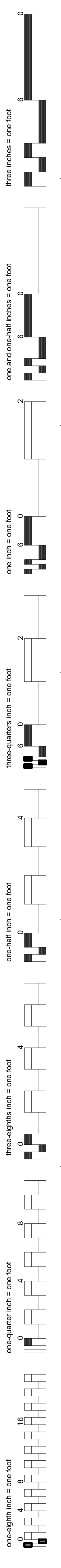
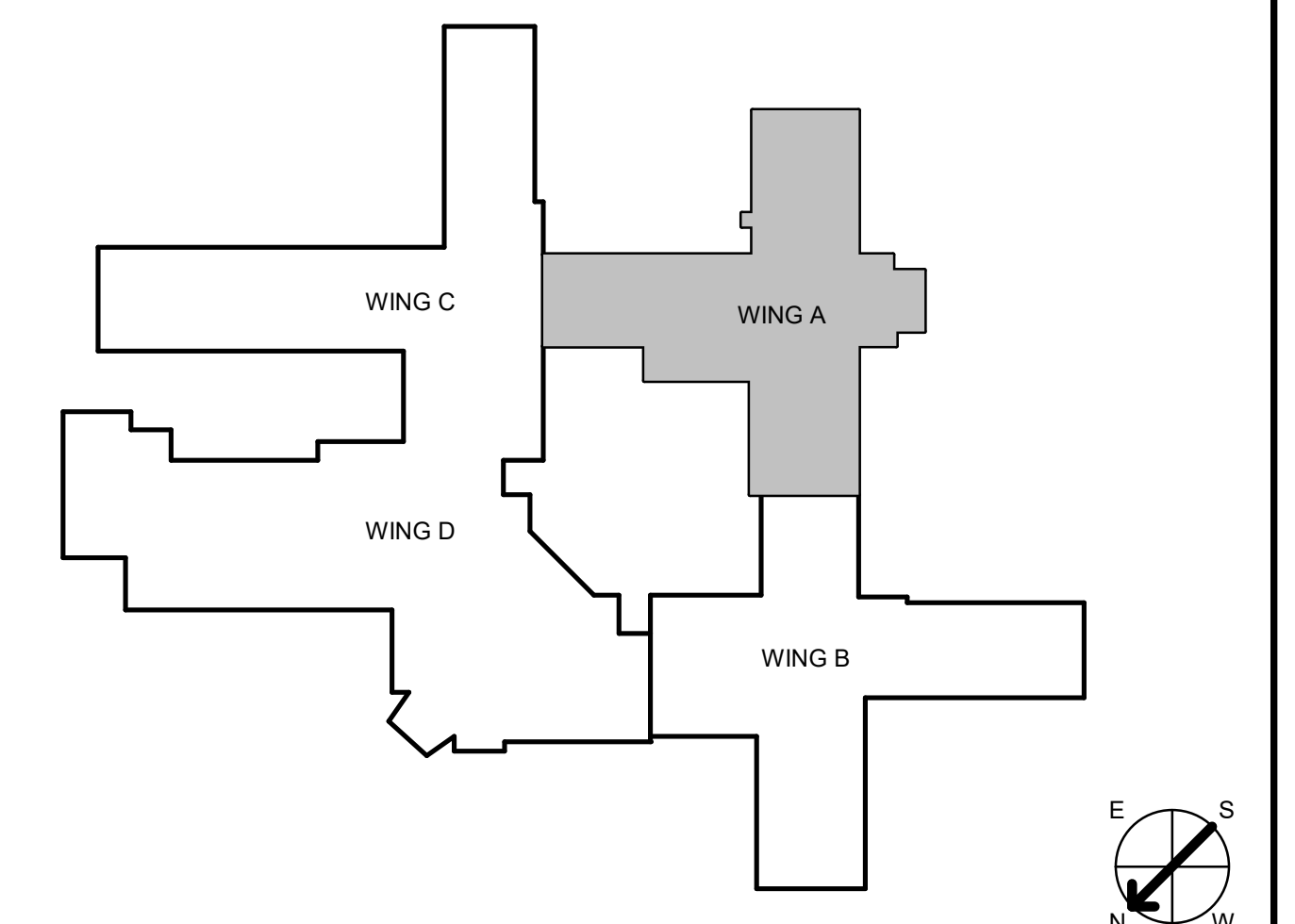
IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.

**DEDUCT ALTERNATE NOTES:**

- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING AND NURSE CALL DEVICES OUTSIDE OF THE AREA SHOWN.

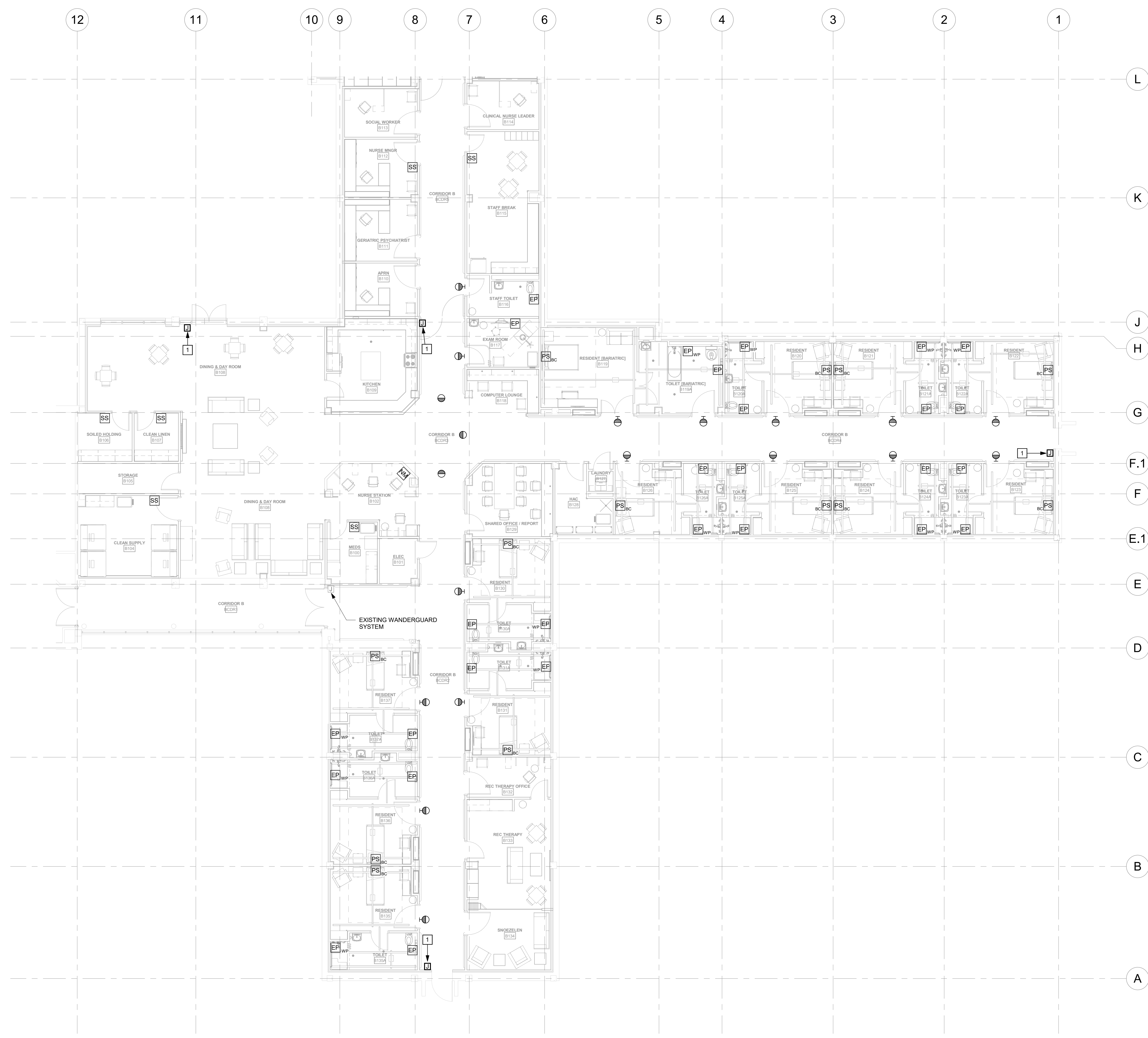


**1** NURSE CALL AND MONITORING SYSTEMS PLAN - A WING  
1/8" = 1'-0"



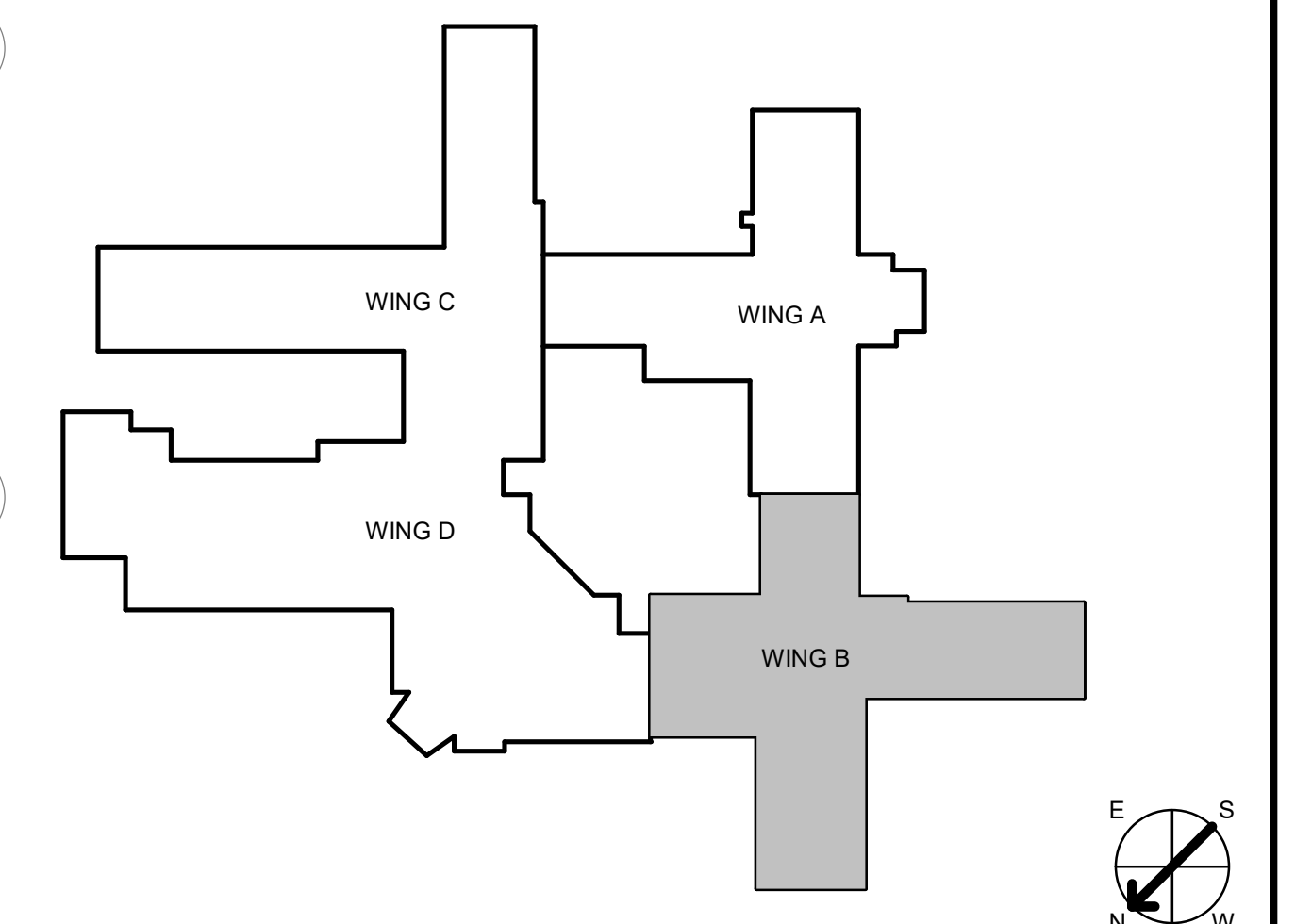
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER FIRE PROTECTION ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169 SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100 POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b>  513 SW 23rd Street Overland Park, KS 66150 (913) 214-2169 11020 King Street, Suite 350 Overland Park, KS 66210 (405) 842-6100 KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE <b>NURSE CALL AND MONITORING SYSTEMS PLAN - A WING</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-TM101A</b> Dwg. 151 OF 160	
Revision #      Date		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>								

three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



- GENERAL NOTES:**
1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  4. COORDINATE TELECOMMUNICATIONS WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
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  6. ALL TELECOMMUNICATIONS CABLING SHALL BE CATEGORY 6. PLENUM RATED CABLE WITH TIA/EIA-568B WIRING SCHEME. PROVIDE BLUE CABLE FOR DATA AND WHITE CABLE FOR VOICE.
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- TECHNOLOGY PLAN NOTES:**
1. PROVIDE WANDERGUARD SYSTEM AND KEYPADS AT DOOR LOCATION AS REQUIRED. SYSTEM SHALL BE COMPATIBLE WITH EXISTING WANDERGUARD DEVICES IN THE BUILDING.

1 NURSE CALL AND MONITORING SYSTEMS PLAN - B WING  
 1/8" = 1'-0"



<p><b>CONSULTANT INFORMATION</b></p> <p>STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11927 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210, (913) 214-2169</p> <p>MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210, (405) 842-6100</p> <p>FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062, (913) 829-8650</p>		<p><b>ARCHITECT</b></p> <p><b>SPUR DESIGN</b></p> <p>513 SW 23rd Street, Overland Park, KS 66209, spur-design.com</p> <p>10020 King Street, Suite 350, Overland Park, KS 66210, spur-design.com</p> <p>KS ARCH REG. NO. A-1139, EXP. 12/31/2019          KS ENGR REG. NO. E-2586, EXP. 12/31/2019</p>		<p><b>Office of Construction and Facilities Management</b></p> <p>U.S. Department of Veteran Affairs</p>		<p>SHEET TITLE: NURSE CALL AND MONITORING SYSTEMS PLAN - B WING</p> <p>APPROVED: PROJECT DIRECTOR</p>		<p>PROJECT PHASE: BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>		<p>PROJECT TITLE: RENOVATE A &amp; B WING BLDG 6</p> <p>PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622</p> <p>DATE: 07/10/2019</p> <p>CHECKED BY: BEN</p> <p>DRAWN BY: ABM</p>		<p>VA PROJECT NUMBER: 589-A5-19-116</p> <p>BUILDING NUMBER: 6</p> <p>DRAWING NUMBER: 6-TM101B</p> <p>Dwg. 152 OF 160</p>	
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**DEDUCT ALTERNATE & PHASING:**

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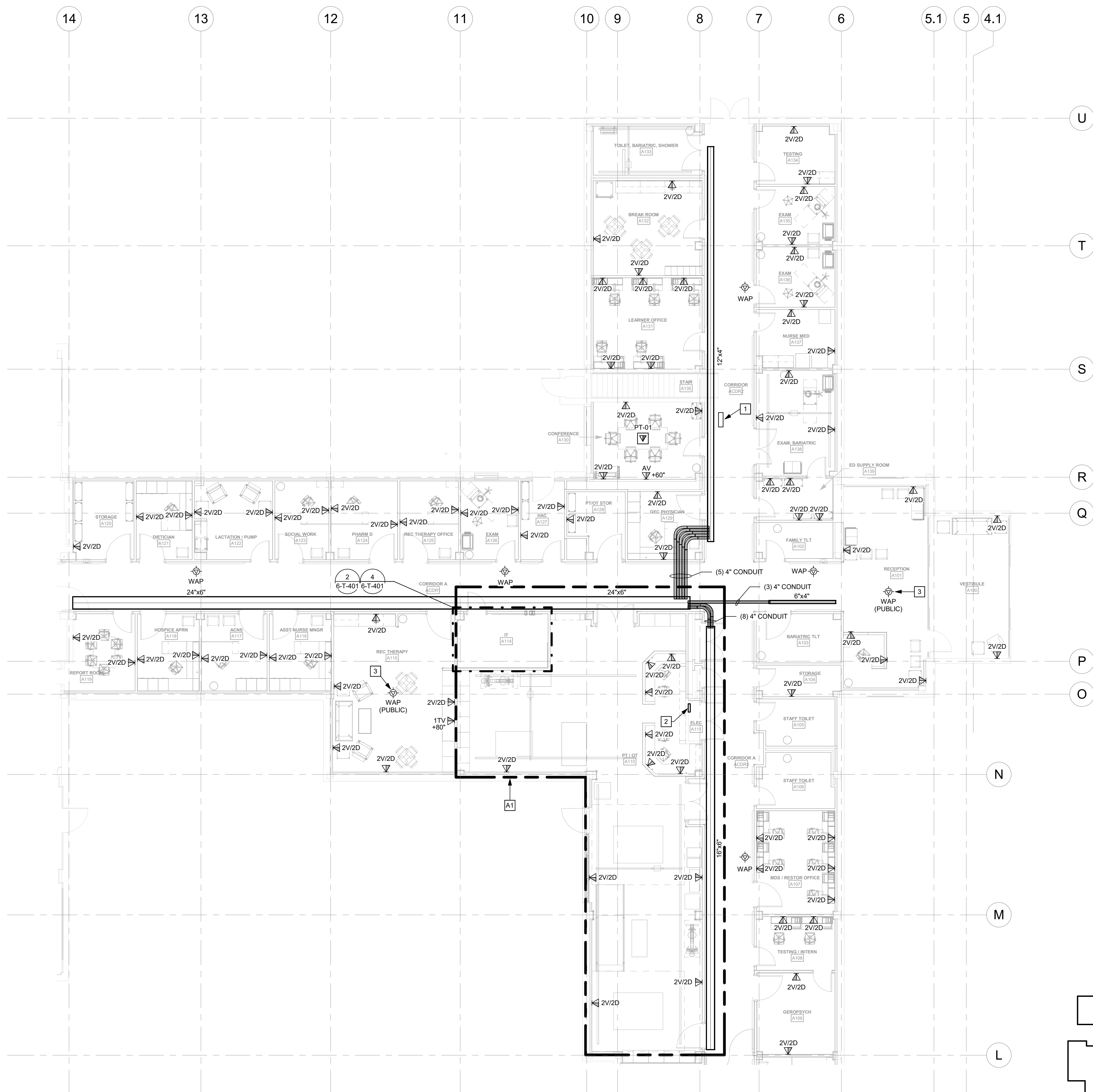
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**TECHNOLOGY PLAN NOTES:**

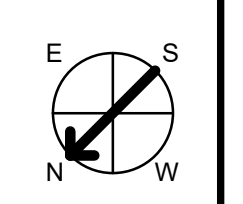
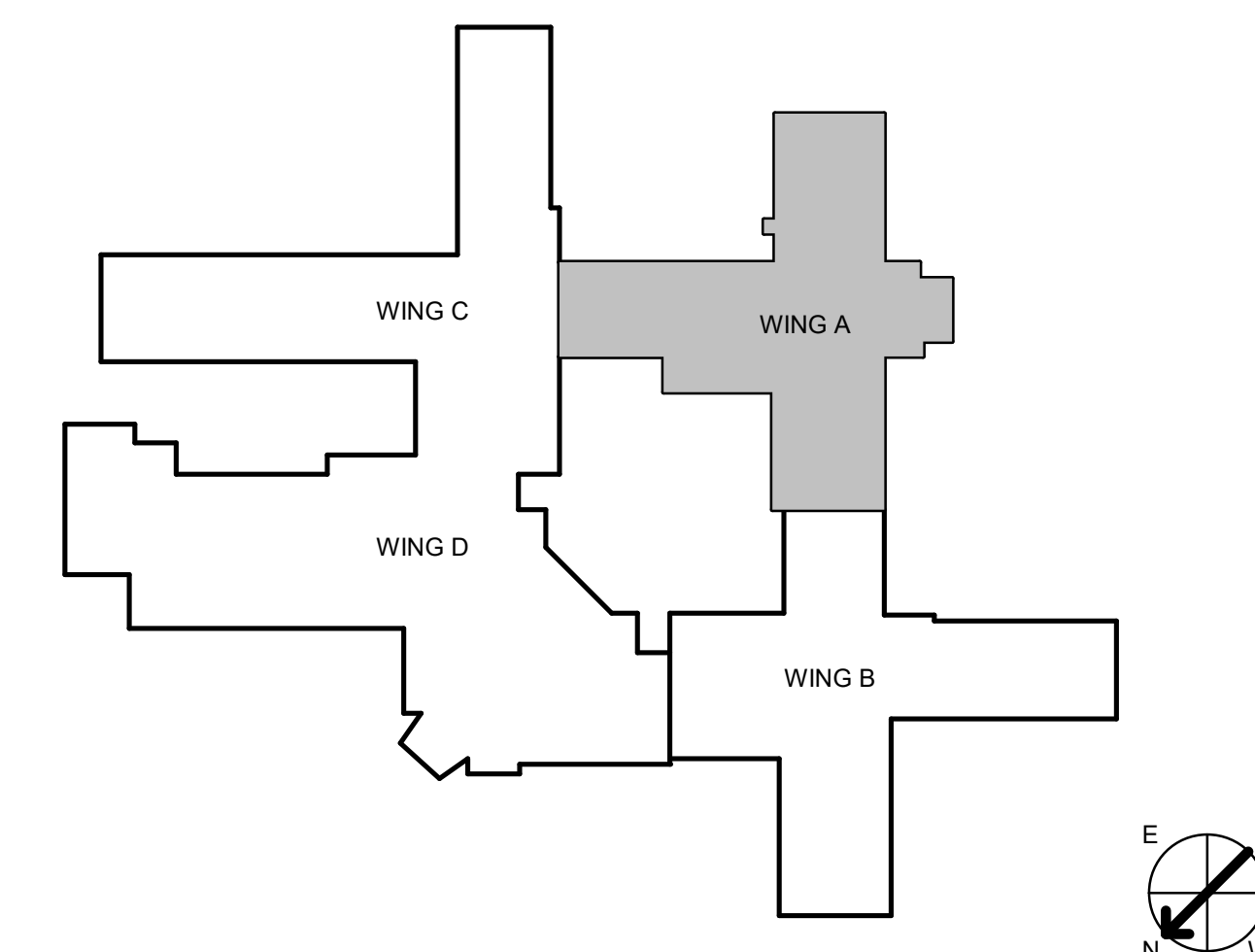
1. EXISTING HEAD-END MASS ANTENNA TV CABINET LOCATED IN CRAWL SPACE BELOW FLOOR. ACCESS VIA BASEMENT MECHANICAL ROOM.
2. EXISTING TUBE DISTRIBUTION UNIT TO REMAIN.
3. PUBLIC WIRELESS ACCESS POINTS MUST BE SEPARATE FROM VA WIRELESS ACCESS POINTS. COORDINATE EXACT REQUIREMENTS WITH VA COR.

**DEDUCT ALTERNATE NOTES:**

- A1. IF DEDUCT ALTERNATE IS ACCEPTED, OMIT ALL CIRCUITING AND TELECOM DEVICES OUTSIDE OF THE AREA SHOWN. PROVIDE CABLE TRAY AND CONDUIT FROM WING B TO WING A AS SHOWN. PROVIDE 48-PORT PATCH PANELS AS REQUIRED FOR WING B AND PT107 ROOM A118 WITH AN ADDITIONAL 50% CAPACITY.



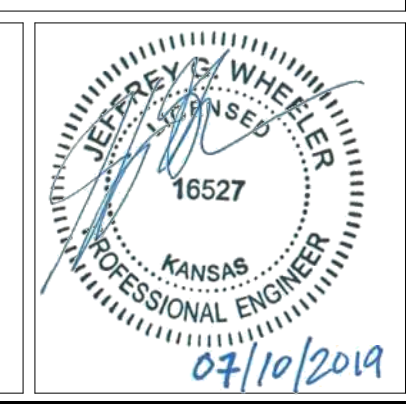
**1 COMMUNICATIONS PLAN - A WING**  
1/8" = 1'-0"



**CONSULTANT INFORMATION**

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650

**ARCHITECT**



**Office of Construction and Facilities Management**



**SHEET TITLE**  
COMMUNICATIONS PLAN - A WING

APPROVED: PROJECT DIRECTOR

**PROJECT PHASE**  
BID DOCUMENTS

FULLY SPRINKLERED

**PROJECT TITLE**  
RENOVATE A & B WING BLDG 6

PROJECT LOCATION  
2200 SW GAGE BLVD  
TOPEKA, KS 66622

VA PROJECT NUMBER  
589-A5-19-116

BUILDING NUMBER  
6

DRAWING NUMBER  
6-TN101A

Dwg. 153 OF 160

DATE  
07/10/2019

CHECKED BY  
BEN

DRAWN BY  
ABM



**GENERAL NOTES:**

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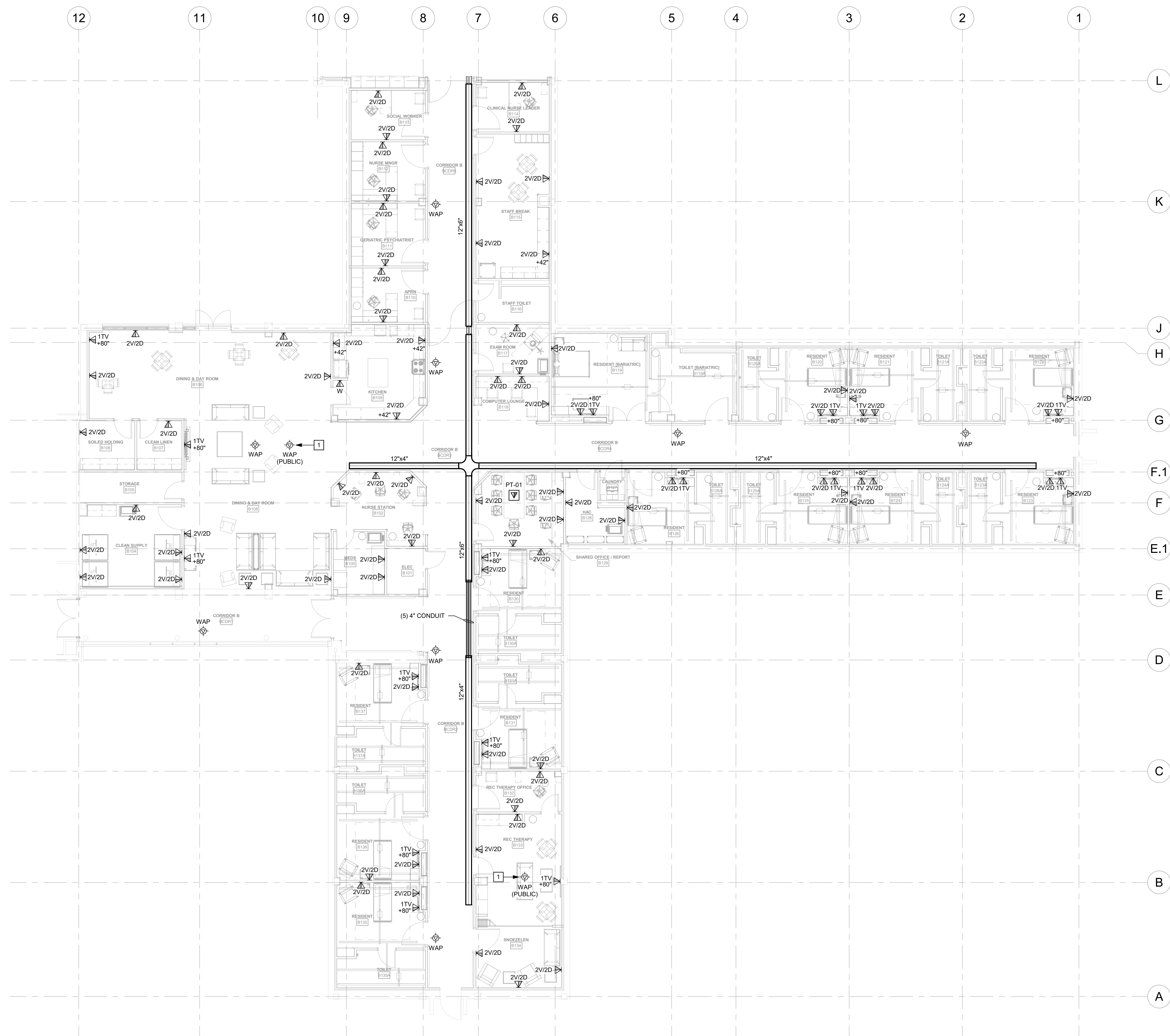
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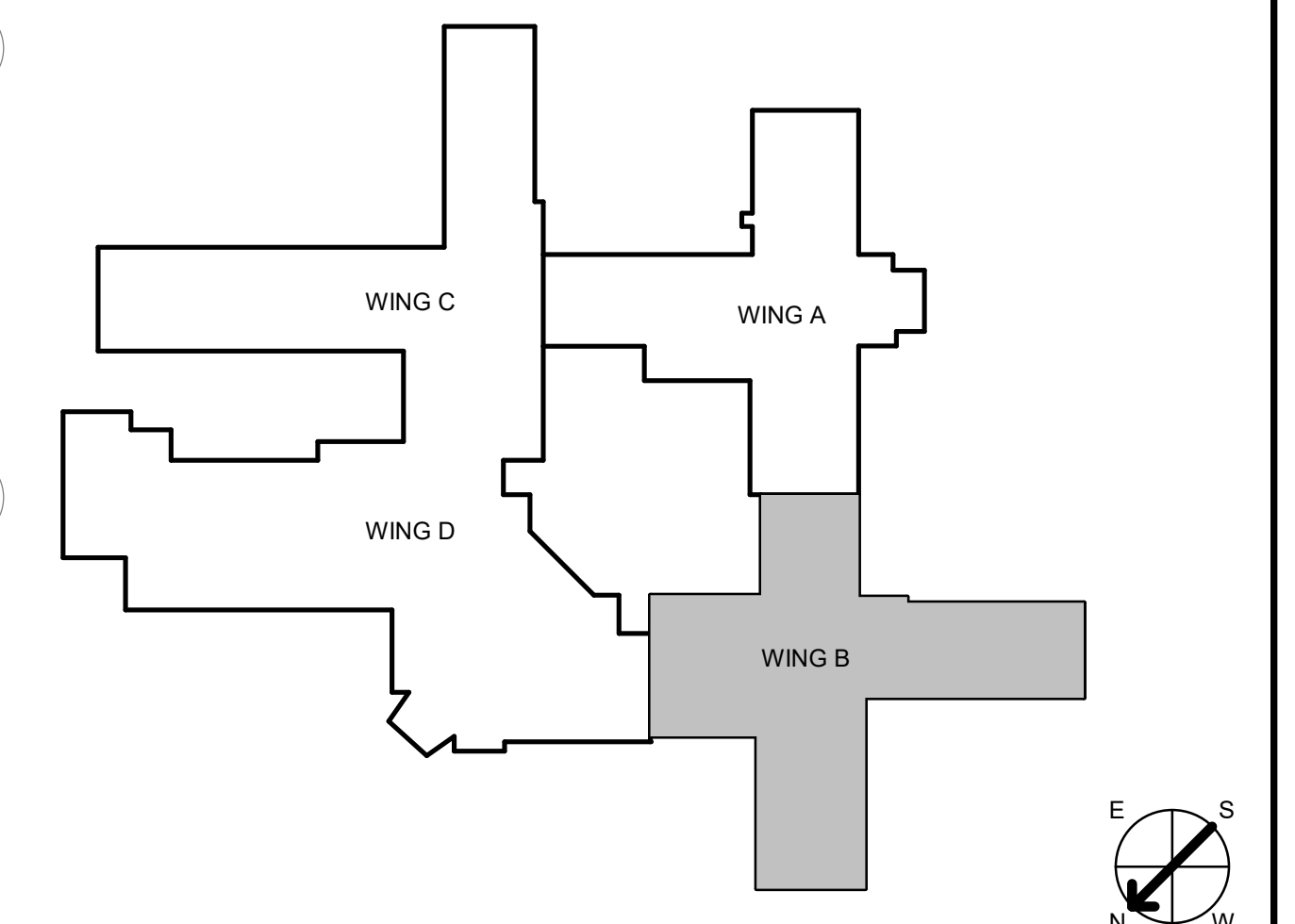
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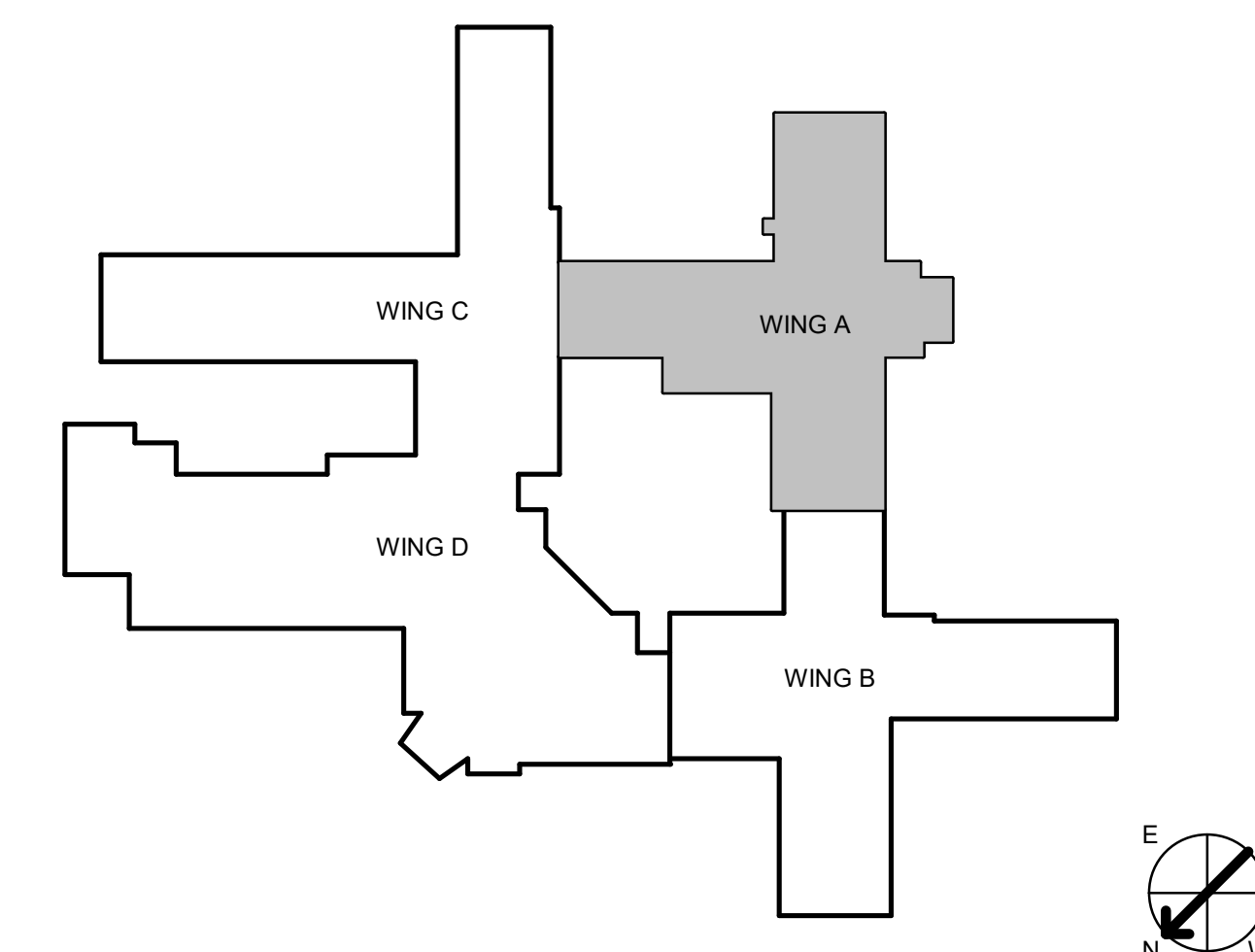
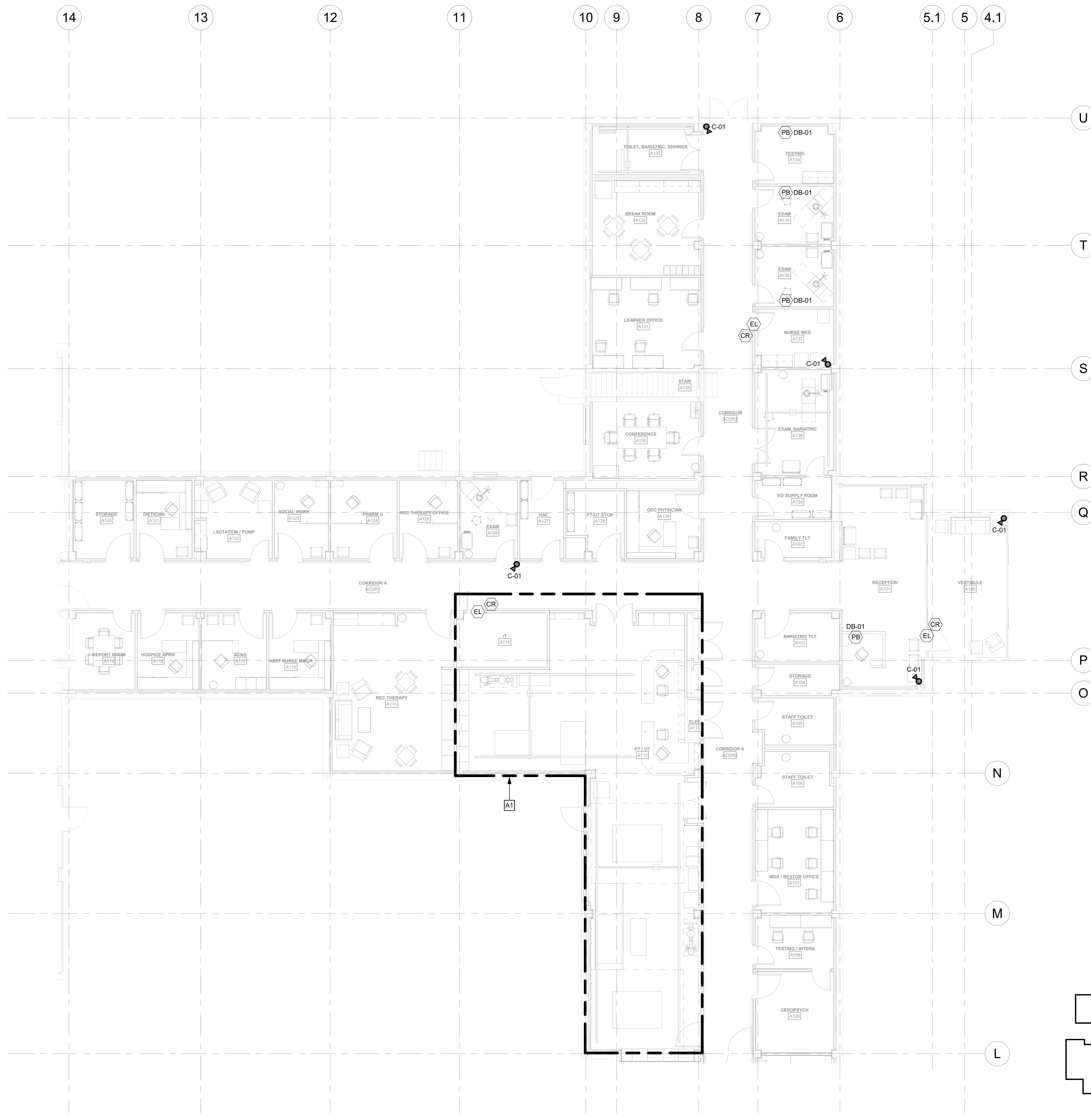
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<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 1127 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (813) 829-8650		<b>ARCHITECT</b>  313 SW 23rd Street Overland Park, KS 66209 (913) 214-2169 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com		<b>Office of Construction and Facilities Management</b>  U.S. Department of Veteran Affairs		SHEET TITLE <b>COMMUNICATIONS PLAN - B WING</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-TN101B</b> Dwg. 154 OF 160	
Revision #      Date		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>											

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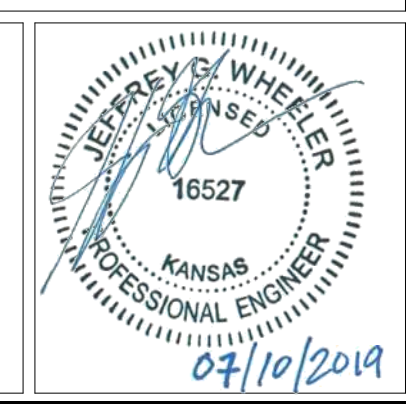


**1 SECURITY PLAN - A WING**  
1/8" = 1'-0"

**CONSULTANT INFORMATION**

STRUCTURAL / CIVIL ENGINEER	MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER	FIRE PROTECTION ENGINEER
STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169	SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100	POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (813) 829-8650

**ARCHITECT**



**Office of Construction and Facilities Management**

U.S. Department of Veteran Affairs

SHEET TITLE  
**SECURITY PLAN - A WING**

APPROVED: PROJECT DIRECTOR

PROJECT PHASE  
**BID DOCUMENTS**

**FULLY SPRINKLERED**

PROJECT TITLE  
**RENOVATE A & B WING BLDG 6**

PROJECT LOCATION  
**2200 SW GAGE BLVD  
TOPEKA, KS 66622**

DATE  
**07/10/2019**

CHECKED BY  
**BEN**

DRAWN BY  
**ABM**

VA PROJECT NUMBER  
**589-A5-19-116**

BUILDING NUMBER  
**6**

DRAWING NUMBER  
**6-TY101A**

Dwg. 155 OF 160

**GENERAL NOTES:**

1. THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
2. SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
3. COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
4. COORDINATE TELECOMMUNICATIONS WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
5. TELECOMMUNICATIONS EQUIPMENT WILL REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
6. ALL TELECOMMUNICATIONS CABLING SHALL BE CATEGORY 6. PLENUM RATED CABLE WITH TIA/EIA-568B WIRING SCHEME. PROVIDE BLUE CABLE FOR DATA AND WHITE CABLE FOR VOICE.

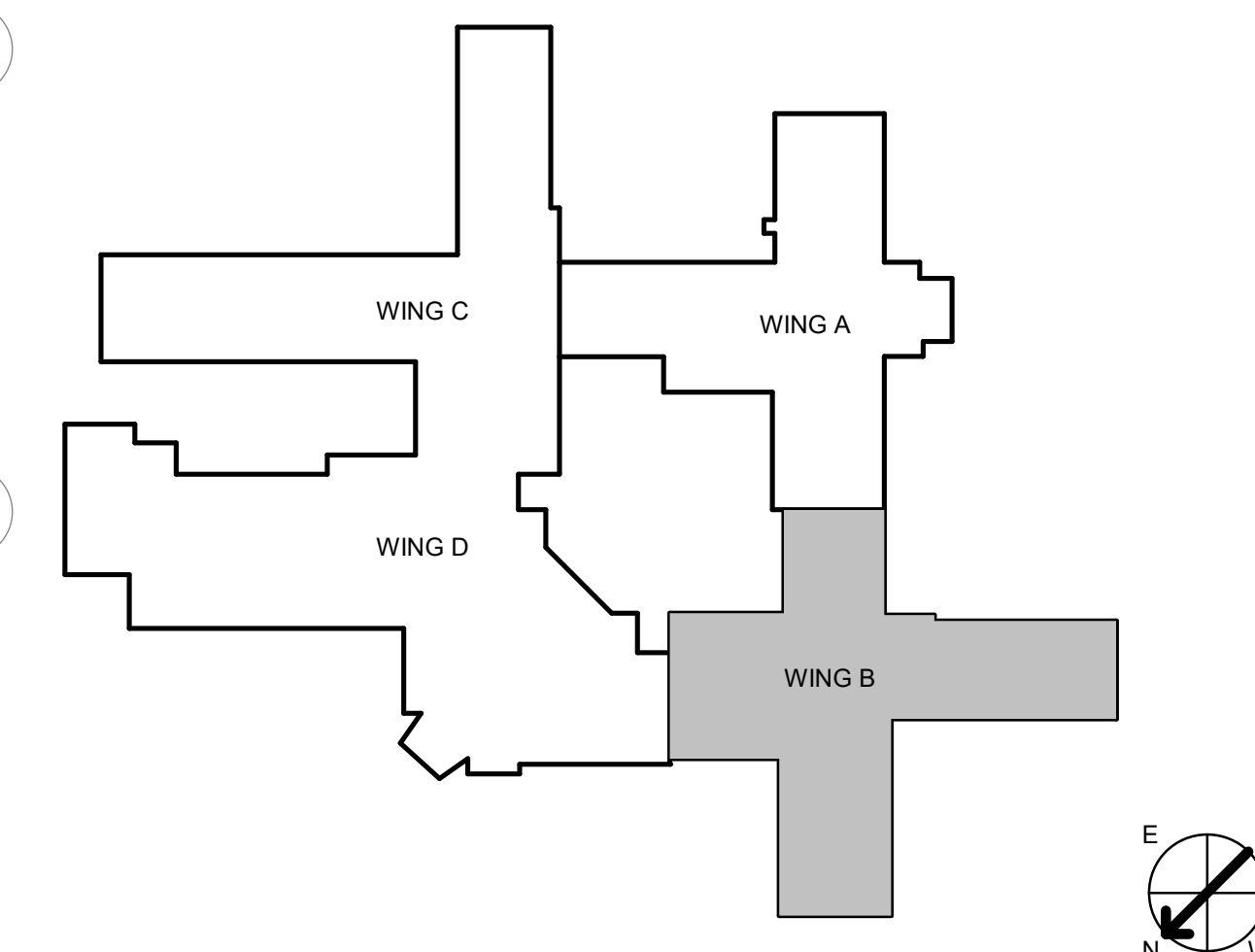
**DEDUCT ALTERNATE & PHASING:**

ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.

IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.



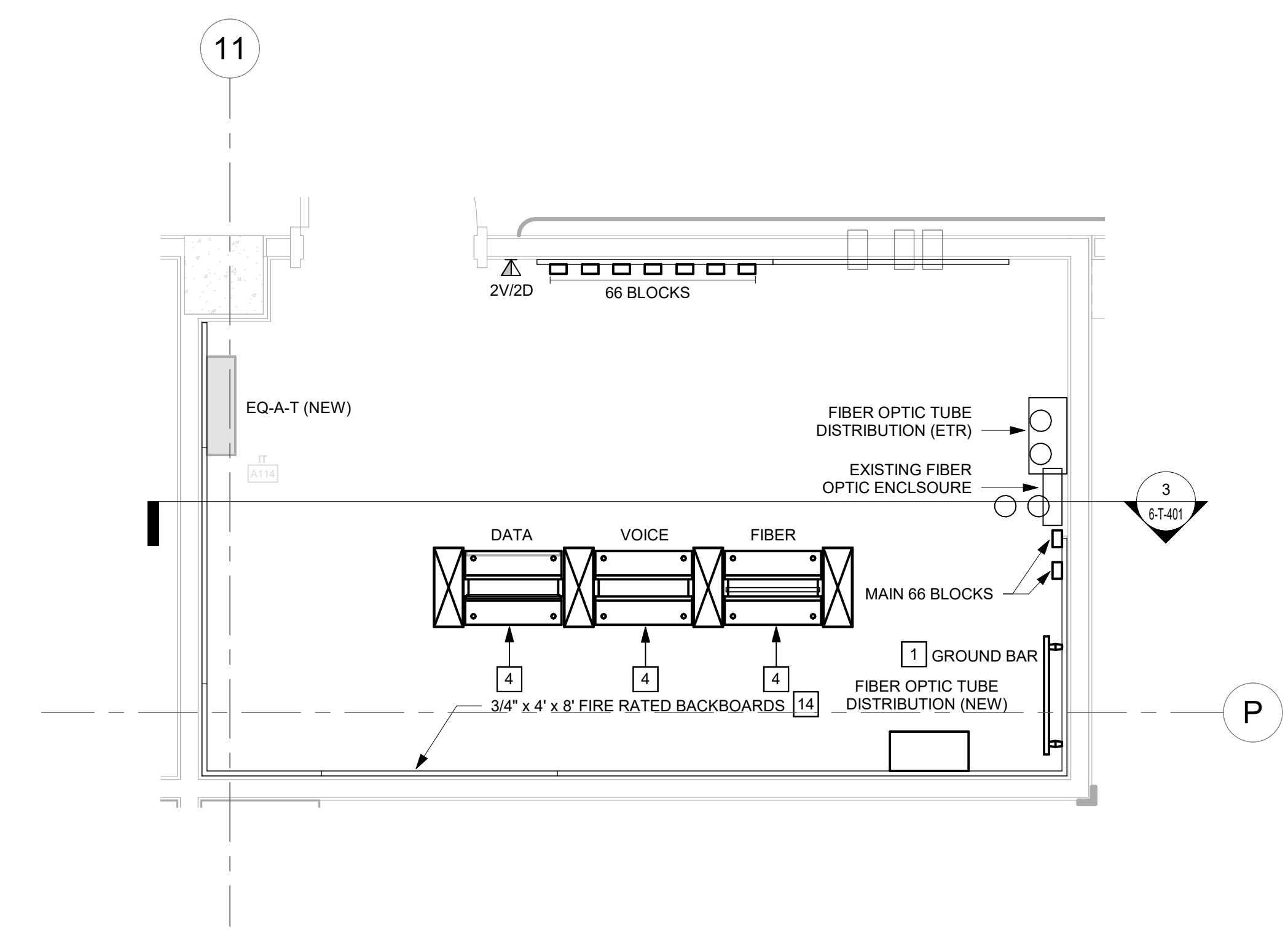
**1 SECURITY PLAN - B WING**  
1/8" = 1'-0"



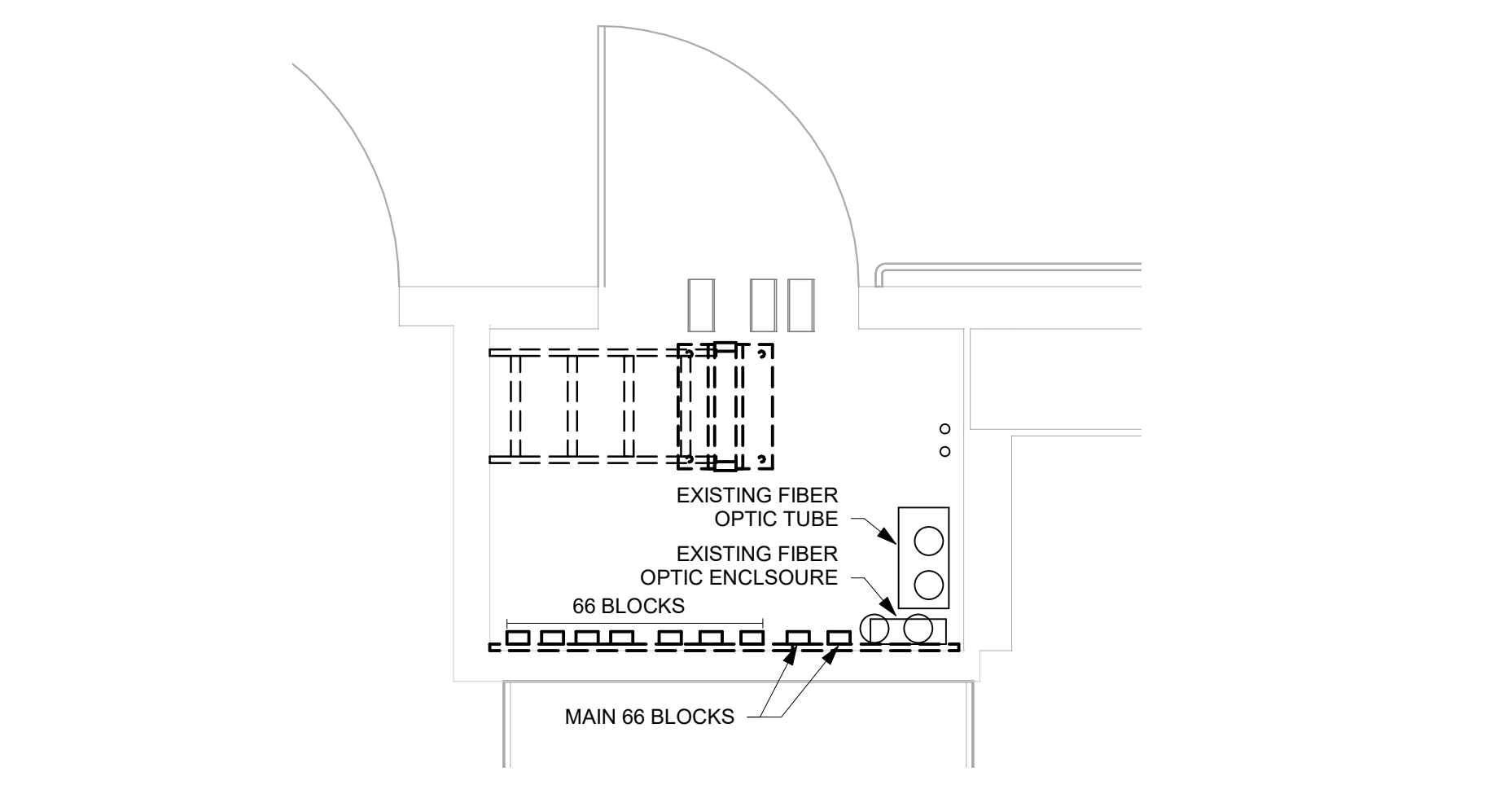
Scale indicators for various drawing elements:  
 three-eighths inch = one foot  
 one-half inch = one foot  
 three-quarters inch = one foot  
 one inch = one foot  
 one and one-half inches = one foot  
 three inches = one foot

<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11227 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100		FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  512 SW 23rd Street Overland Park, KS 66209 spur-design.com 10822 King Street, Suite 300 Overland Park, KS 66209 spur-design.com		<b>Office of Construction and Facilities Management</b>  VA   U.S. Department of Veteran Affairs		SHEET TITLE <b>SECURITY PLAN - B WING</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-TY101B</b> Dwg. 156 OF 160	
Revision #      Date		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>											

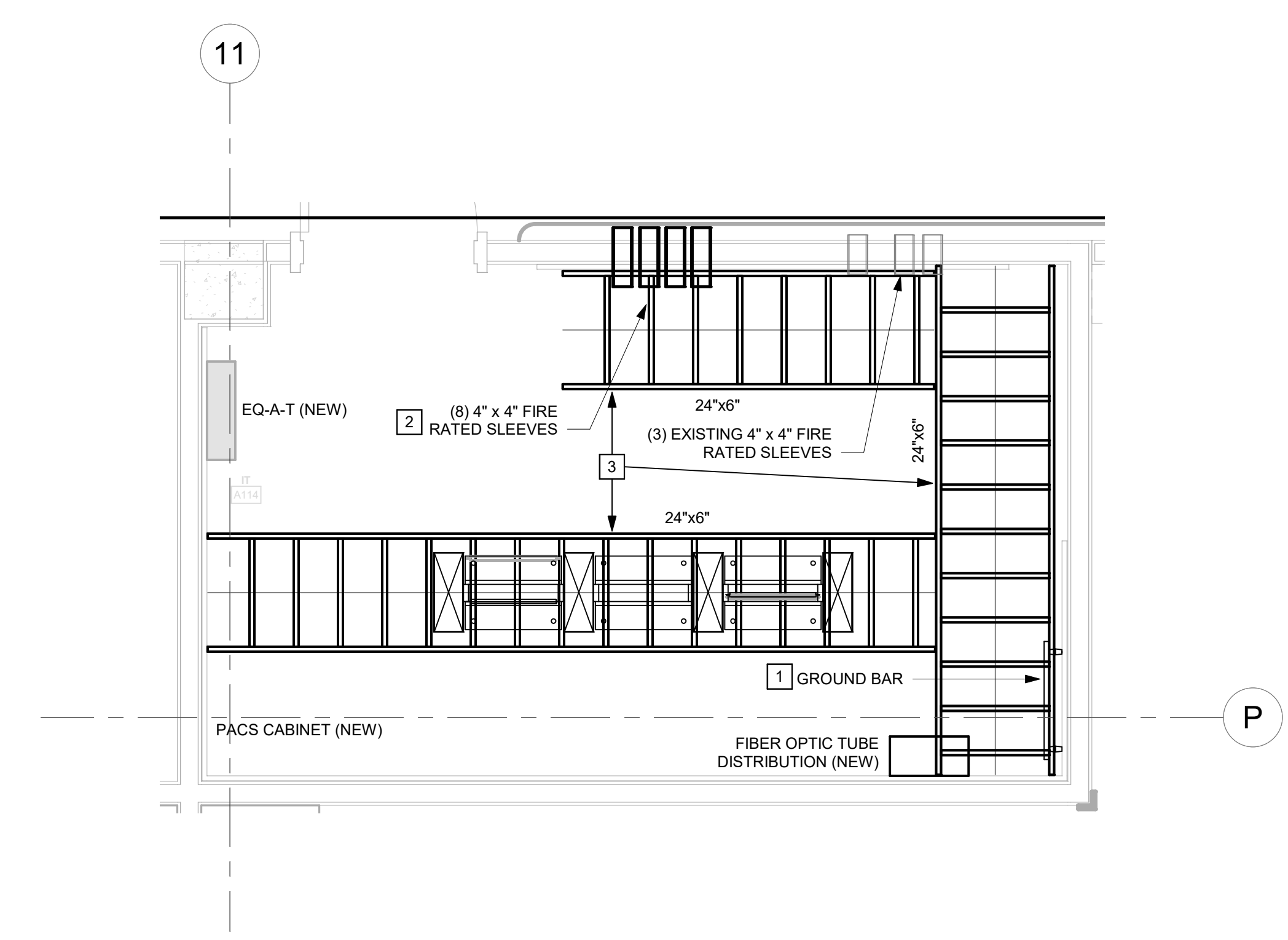
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



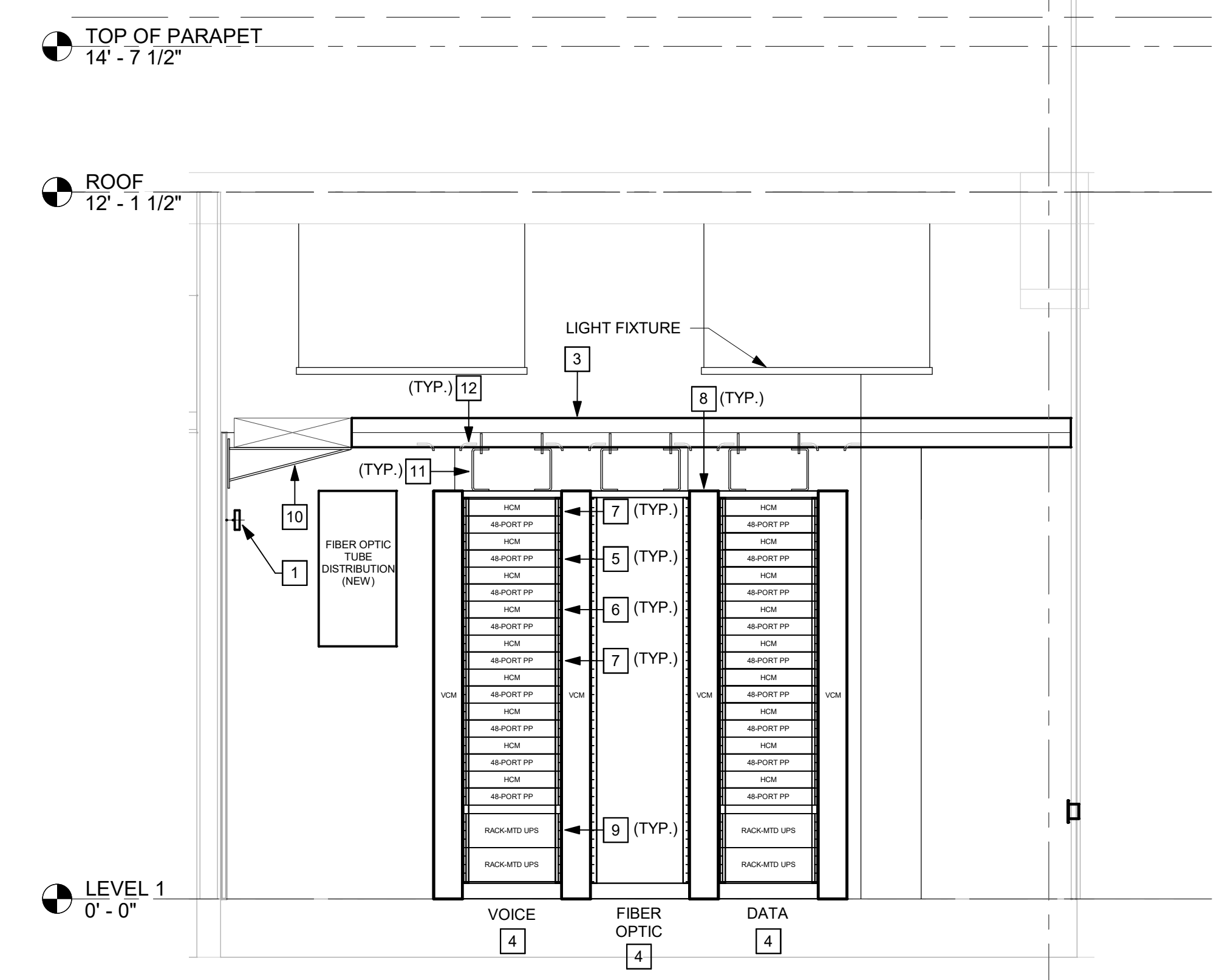
**2 IT CLOSET A115 (DATA RACKS) - PARTIAL PLAN**  
 1/2" = 1'-0"



**1 IT CLOSET A114.1 - PARTIAL DEMOLITION PLAN**  
 1/2" = 1'-0"



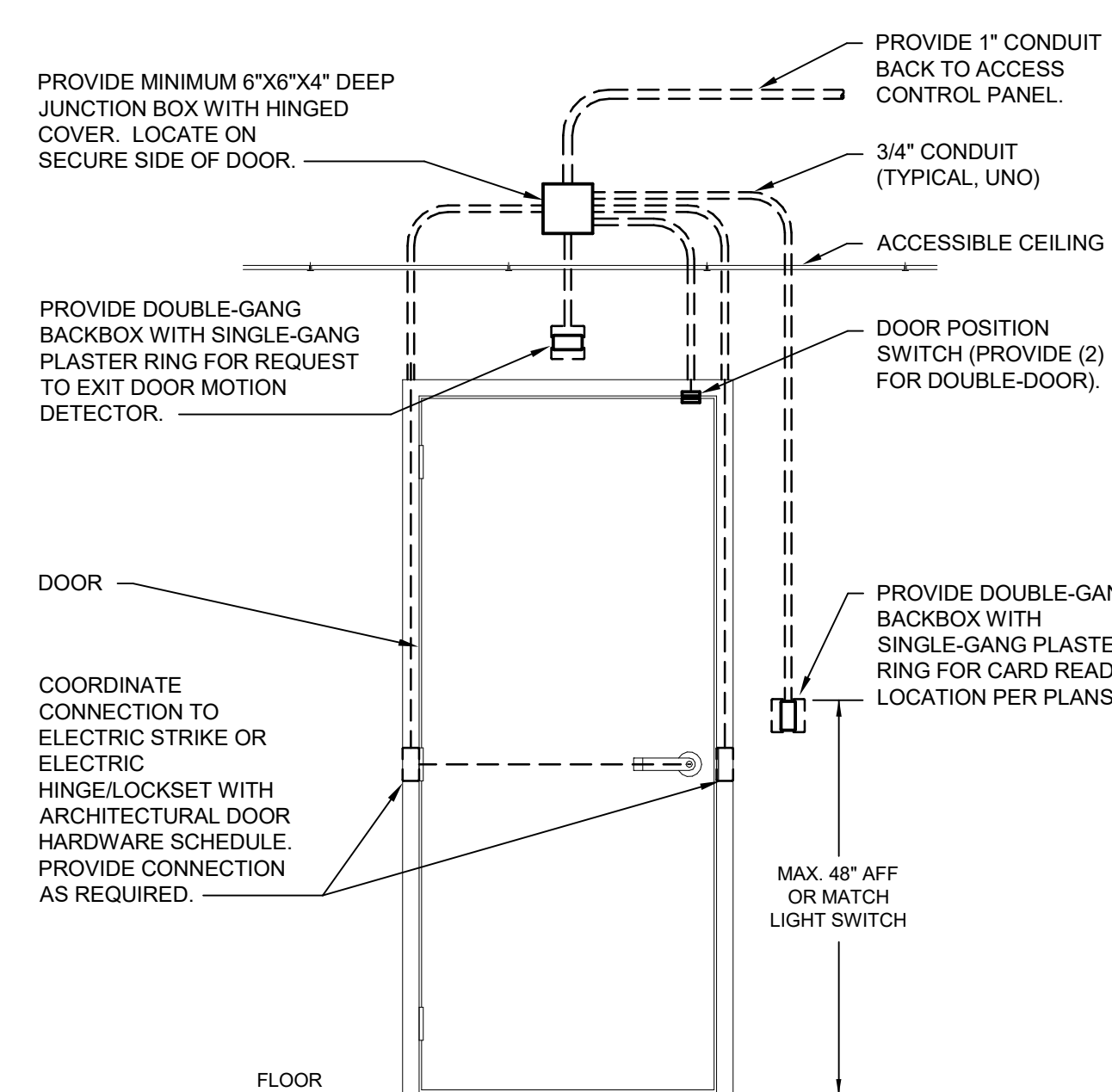
**4 IT CLOSET A115 (LADDER TRAYS) - PARTIAL PLAN**  
 1/2" = 1'-0"



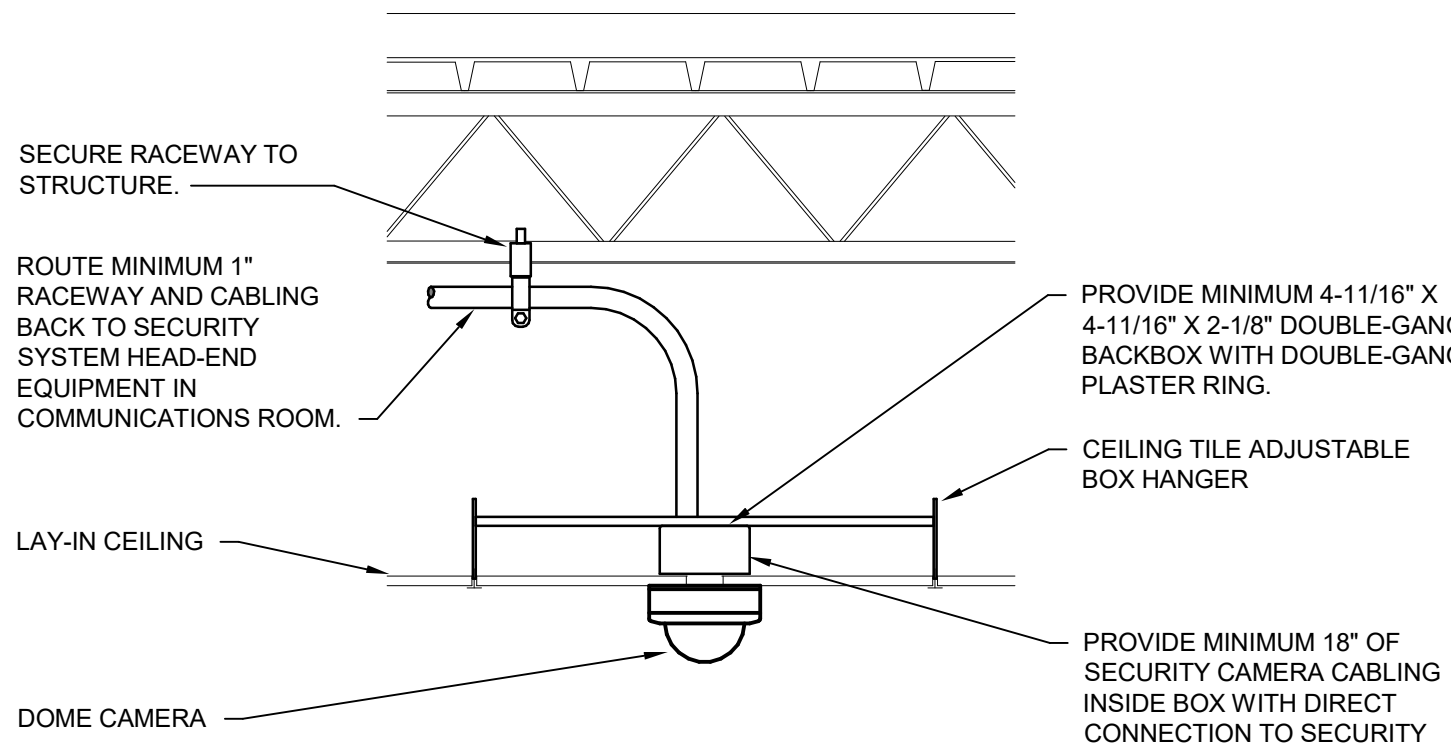
**3 IT CLOSET A115 - DATA RACK SECTION**  
 1/2" = 1'-0"

- GENERAL NOTES:**
- THE AREA OF WORK SHOWN IS ASSOCIATED WITH AN OPERATING FACILITY THAT MUST REMAIN IN SERVICE 24/7.
  - SEE SHEET 6-GI-102 FOR ADDITIONAL INFORMATION REGARDING SCHEDULE AND PHASING REQUIREMENTS. SCHEDULE WORK TO MINIMIZE DISRUPTION OF SERVICES.
  - COORDINATE WORK SCHEDULE WITH THE CONTRACTING OFFICER'S REPRESENTATIVE BEFORE THE START OF WORK.
  - COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK.
  - PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT REQUIRE SHUTDOWN. COORDINATE SERVICE SHUTDOWN FOR ALL EQUIPMENT WITH CONTRACTING OFFICER'S REPRESENTATIVE.
- DEDUCT ALTERNATE & PHASING:**
- ALL PLAN WORK SHOWN ON THIS SHEET IS SUBJECT TO THE OVERALL PROJECT PHASING SEQUENCE OUTLINED ON ARCHITECTURAL SHEET 6-GI-102.
- IN ADDITION, IF THE DEDUCT ALTERNATE IS ELECTED, ALL PLAN WORK ON THIS SHEET IS ALSO SUBJECT TO THE REDUCED AREAS OF WORK AS DEFINED ON ARCHITECTURAL SHEET 6-GI-105.
- TECHNOLOGY PLAN NOTES:**
- MOUNT GROUND BAR AT 6'-6" AFF. REFER TO DETAIL 5, SHEET 6-T-501 FOR ADDITIONAL INFORMATION.
  - PROVIDE (8) 4" E-Z PATH RE-ENTERABLE, FIRE-RATED SLEEVES, OR APPROVED EQUIVALENT, FROM ABOVE CORRIDOR CEILING INTO IT ROOM.
  - PROVIDE LADDER TRAY AS SHOWN.
  - PROVIDE 19" WIDE, 45RU, HEAVY-DUTY FLOOR-MOUNTED RACK, BLACK IN COLOR.
  - PROVIDE RACK MOUNTED 48-PORT PATCH PANELS FOR TERMINATION OF DATA CAT 6A CABLES. QUANTITY SHOWN IS ESTIMATED, PROVIDE PATCH PANELS REQUIRED FOR CABLING PLUS 50% GROWTH.
  - PROVIDE A 2RU HORIZONTAL CABLE MANAGER (HCM) ABOVE AND BELOW EACH PATCH PANEL.
  - PROVIDE MINIMUM 2RU HORIZONTAL CABLE MANAGERS ABOVE AND BELOW EACH GOVERNMENT FURNISHED, GOVERNMENT INSTALLED POE SWITCH. COORDINATE EXACT REQUIREMENTS WITH COR.
  - PROVIDE FULL HEIGHT, SINGLE-SIDED VERTICAL CABLE MANAGER ON EACH SIDE OF EACH RACK.
  - PROVIDE UNINTERRUPTIBLE POWER SUPPLIES (UPS) PER DIVISION 27 SPECIFICATIONS. REFER TO SYSTEM RISER DIAGRAMS ON DRAWING 6-T-601 FOR ADDITIONAL INFORMATION.
  - PROVIDE WALL-MOUNTED, ANGLED SIDE AND END SUPPORTS AS REQUIRED FOR PROPER SUPPORT OF LADDER TRAY.
  - PROVIDE 6RU TALL SUPPORT BRACKETS TO SECURELY CONNECT CABLE TRAY TO TOP OF RACKS.
  - PROVIDE CABLE RUNWAY RADIUS DROP AS REQUIRED FOR ROUTING CABLING TO VERTICAL CABLE MANAGERS AND DATA RACKS.
  - PROVIDE 4'X8'X3/4" FIRE-RATED PLYWOOD ON ALL WALLS FROM 6" AFF TO 8'-6" AFF.

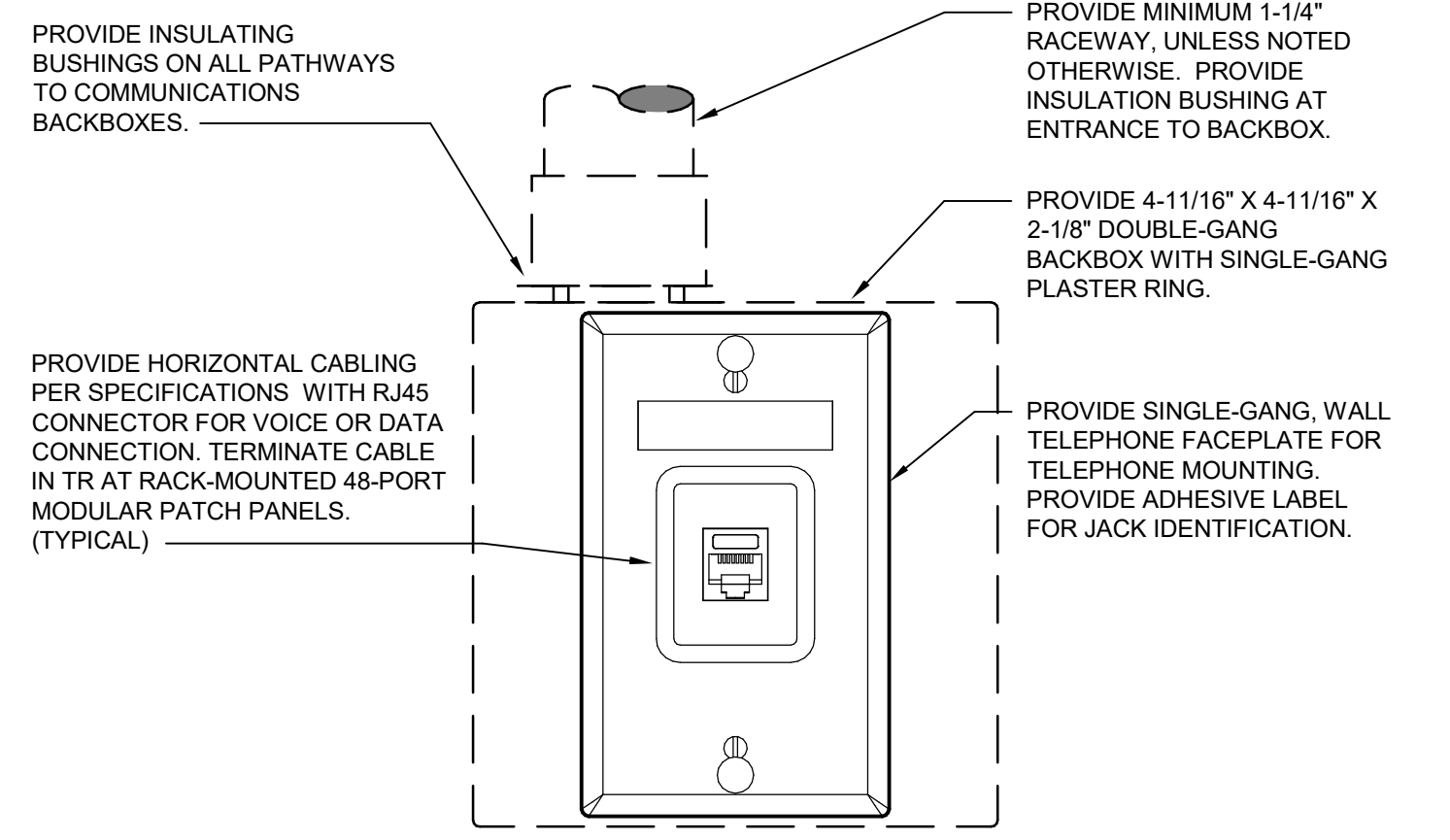
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER FIRE PROTECTION ENGINEER STAND STRUCTURAL ENGINEERING 11827 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169		<b>ARCHITECT</b>  512 SW 23th Street Overland Park, KS 66209 (913) 241-3339 spur-design.com		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs 		SHEET TITLE <b>TECHNOLOGY ENLARGED FLOOR PLANS</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION 2200 SW GAGE BLVD TOPEKA, KS 66622		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-T-401</b> Dwg. 157 OF 160	
Revision #	Date	KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		DATE <b>07/10/2019</b>		CHECKED BY <b>BEN</b>		DRAWN BY <b>ABM</b>		VA FORM 08-6231			



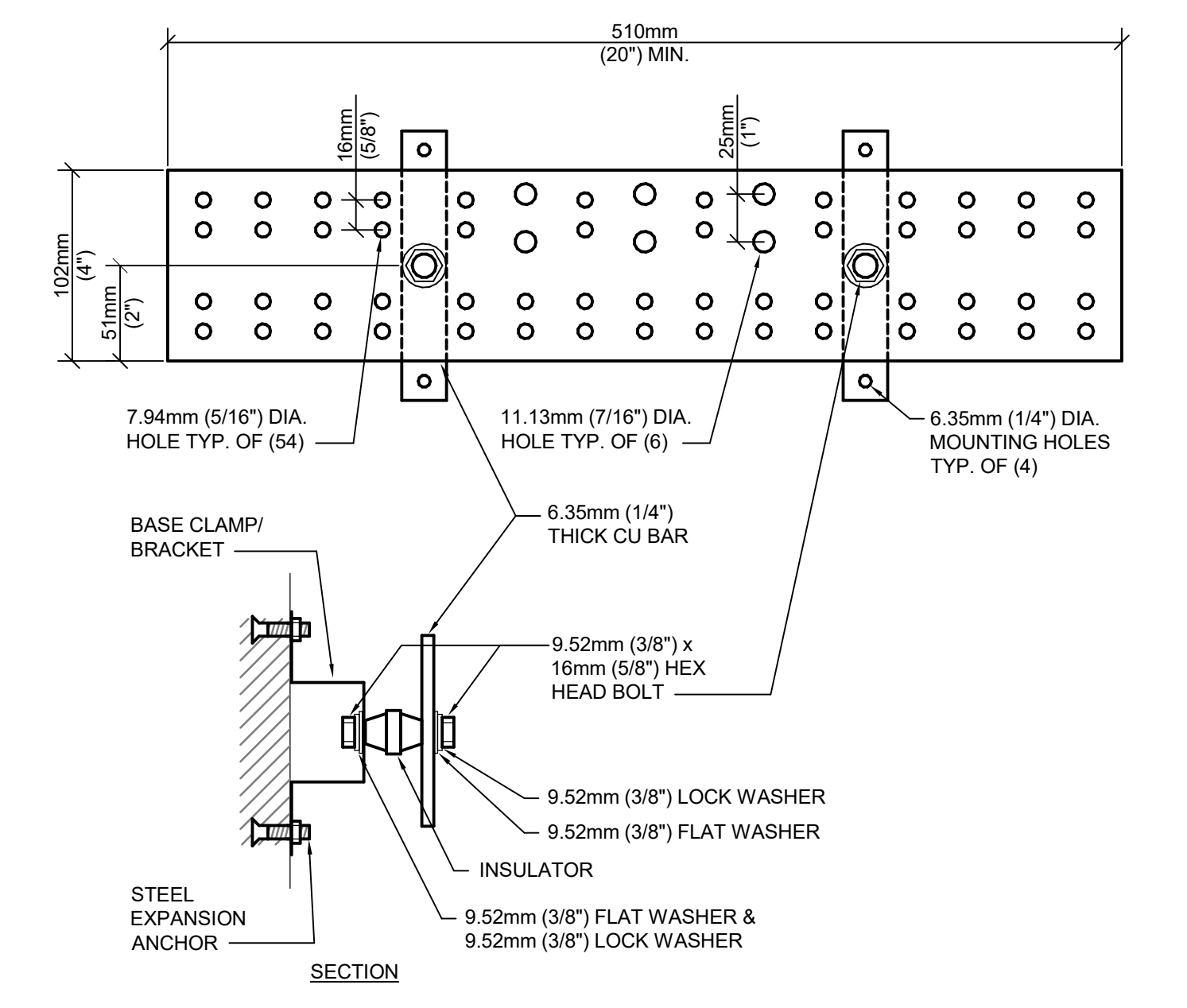
**7** TYPICAL CARD READER/ELECTRIFIED LOCKING DEVICE DETAIL (CR/EL) NOT TO SCALE



**8** LAY-IN CEILING VIDEO SURVEILLANCE CAMERA INSTALLATION DETAIL NOT TO SCALE



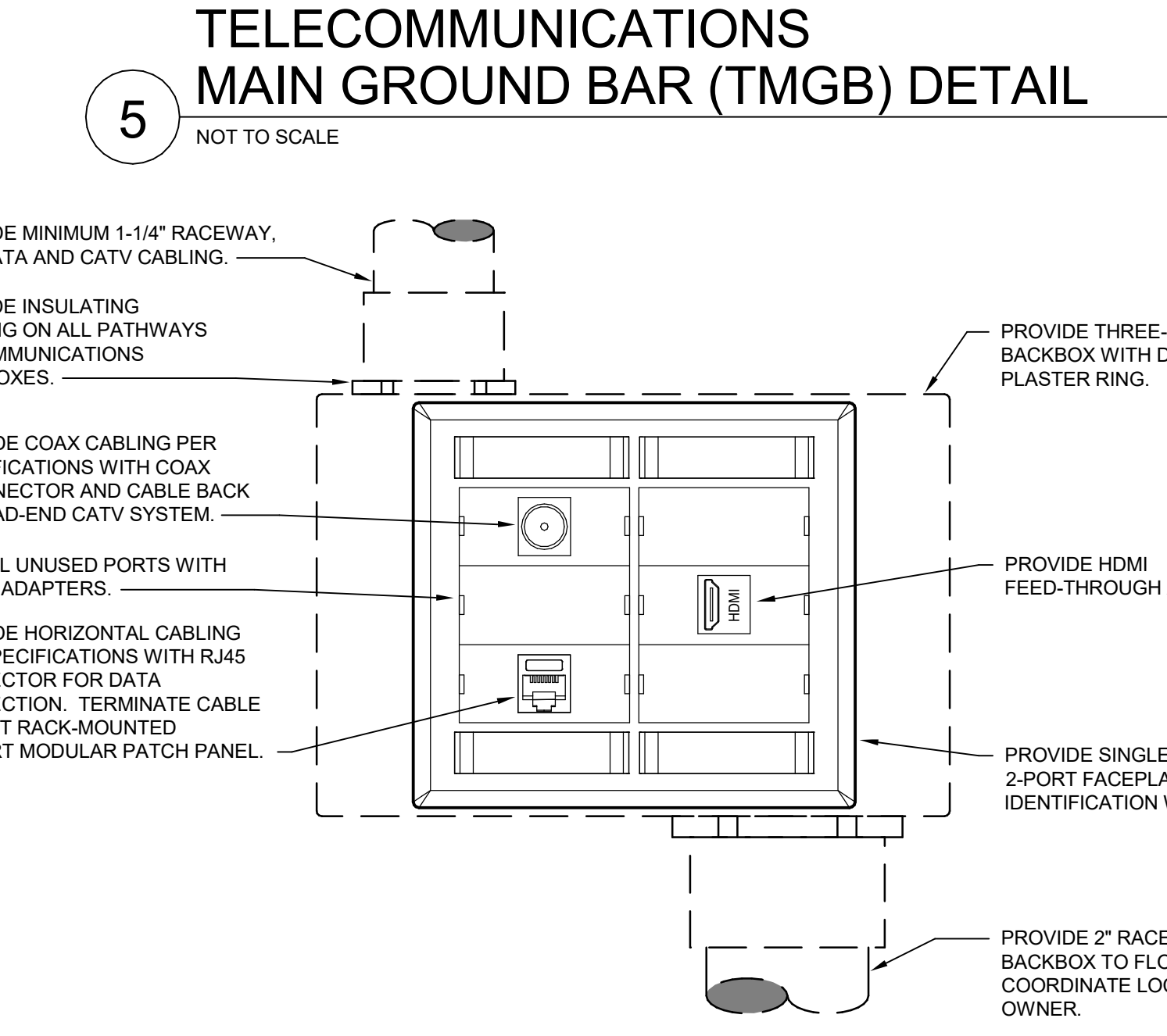
**4** 1-PORT, 1-VOICE OR DATA, WALL-MOUNT TELEPHONE OUTLET DETAIL: (W) NOT TO SCALE



**5** TELECOMMUNICATIONS MAIN GROUND BAR (TMGB) DETAIL NOT TO SCALE

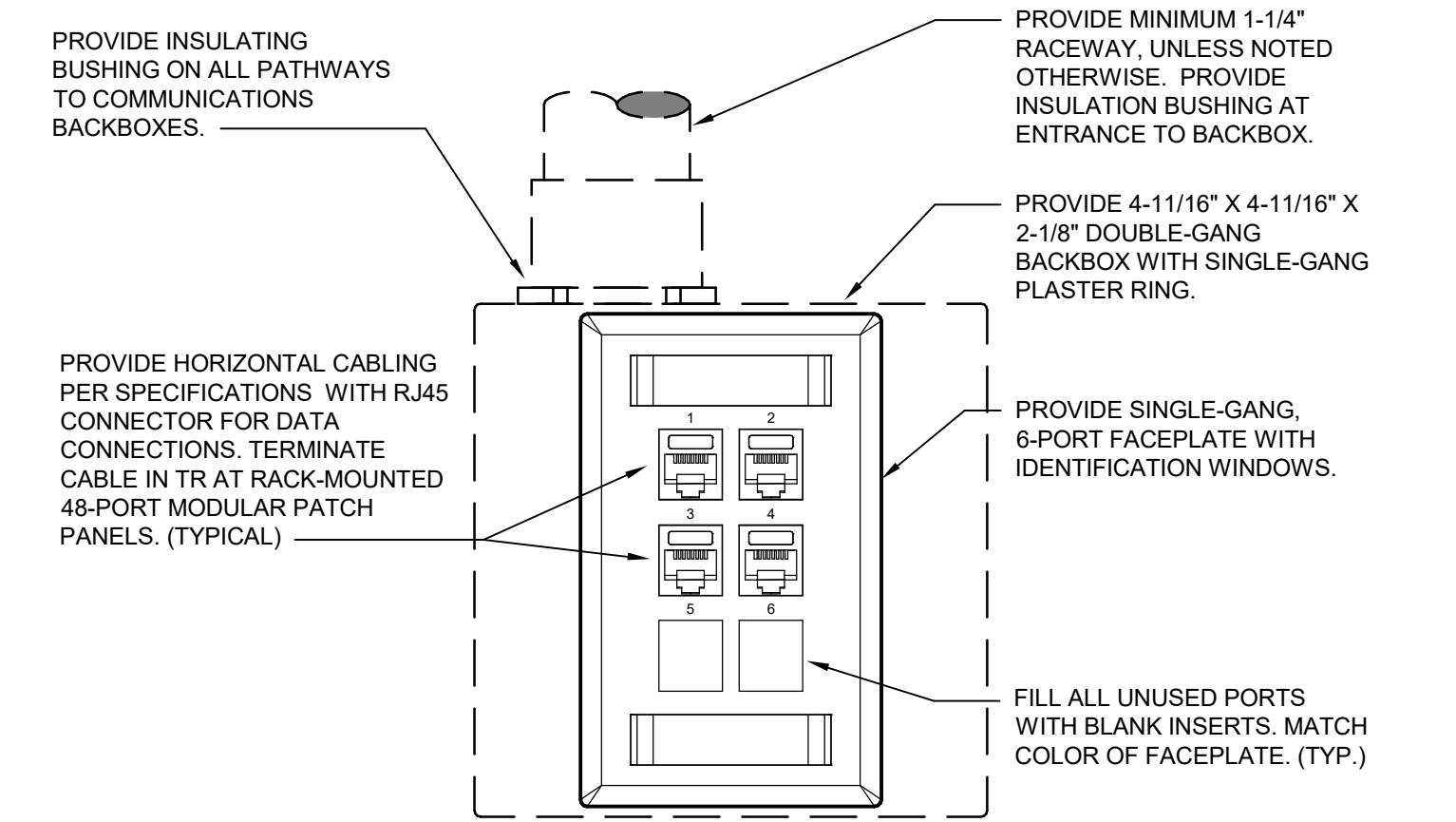
GENERAL NOTES:

- GROUND BAR SHALL BE PRE-DRILLED COPPER WITH HOLES FOR USE WITH STANDARD-SIZED LUGS.
- ALL HARDWARE SHALL BE STAINLESS STEEL.
- GROUND BAR SHALL BE LISTED BY AN NRTL.



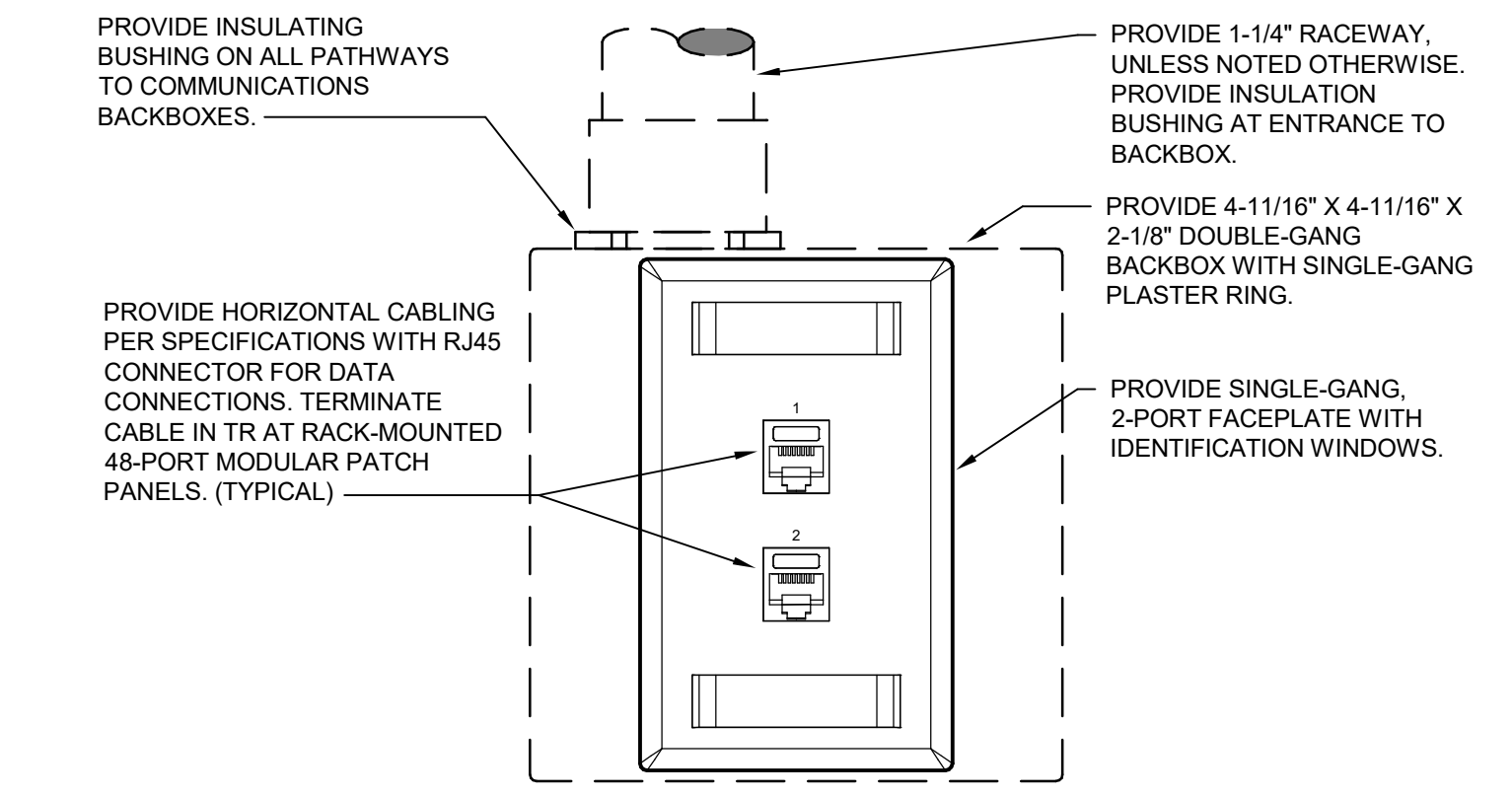
**6** AUDIO/VISUAL WORK AREA OUTLET (WAO) DETAIL: (AV) NOT TO SCALE

NOTE: COORDINATE EXACT LOCATION OF OUTLET WITH ARCHITECTURAL PLANS. LOCATION OF OUTLET SHALL NOT CONFLICT WITH MOUNTING BRACKETS OR OTHER TRADES. PERMANENTLY LABEL ALL WALL JACKS IN THE FOLLOWING MANNER: BUILDING-FLOOR-JACK NUMBER-ROOM NUMBER OF CLOSET. EXAMPLE: 1-1-33-148B (BUILDING 1, FLOOR 1, JACK 33, CLOSET ROOM NUMBER 148B). JACK NUMBER INDICATES THE PUNCH DOWN POSITION OF THE CLOSET CONNECTION. ALL JACKS ON THE SAME PLATE SHALL HAVE THE SAME NUMBER WHERE POSSIBLE. LABEL ALL CABLES AT EACH END WITH THEIR RESPECTIVE NUMBER.



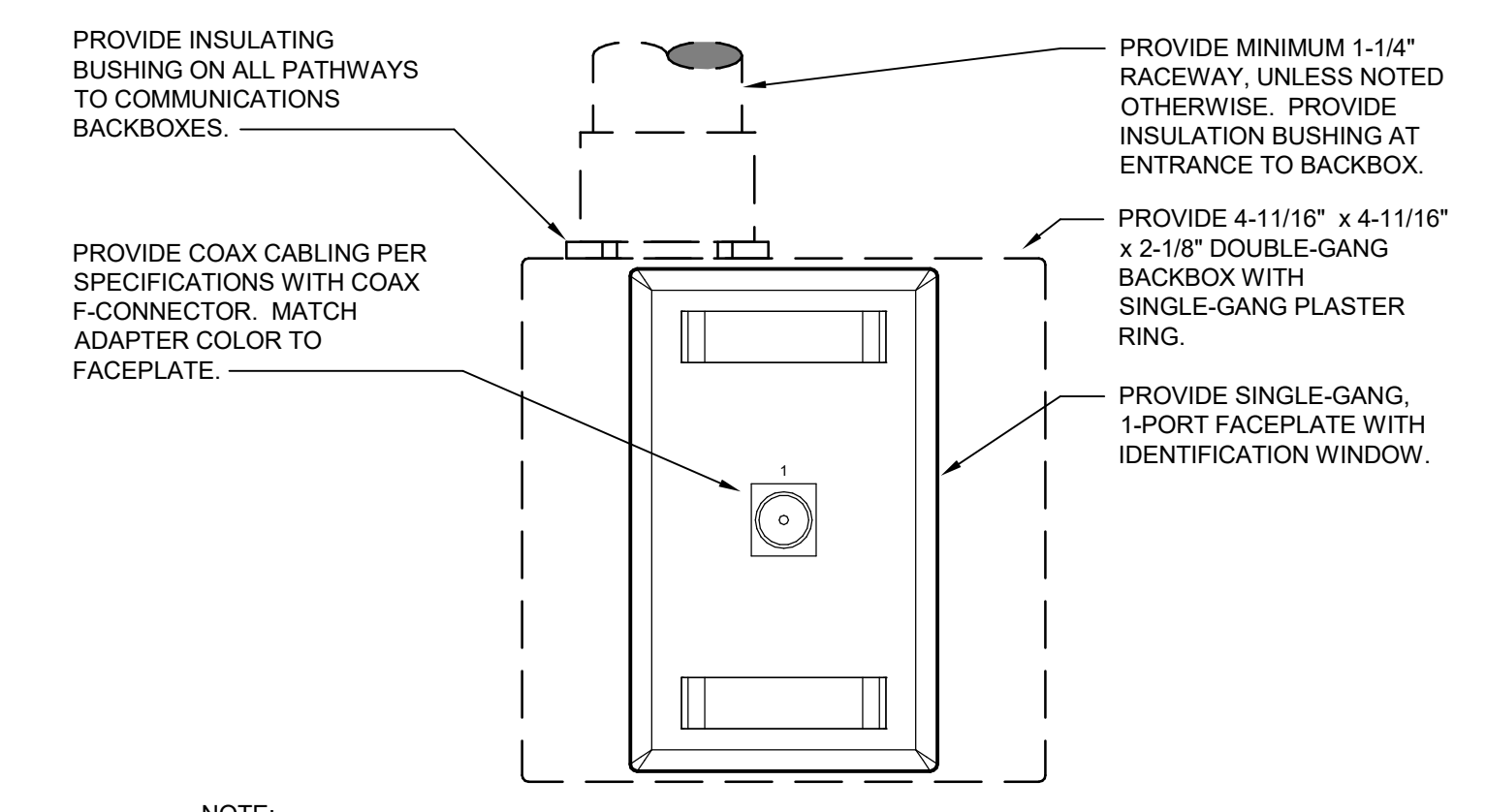
**1** 6-PORT, 4-DATA, TELE-COMMUNICATIONS OUTLET (TCO) DETAIL: (TV) NOT TO SCALE

NOTE: PERMANENTLY LABEL ALL WALL JACKS IN THE FOLLOWING MANNER: BUILDING-FLOOR-JACK NUMBER-ROOM NUMBER OF CLOSET. EXAMPLE: 1-1-33-148B (BUILDING 1, FLOOR 1, JACK 33, CLOSET ROOM NUMBER 148B). JACK NUMBER INDICATES THE PUNCH DOWN POSITION OF THE CLOSET CONNECTION. ALL JACKS ON THE SAME PLATE SHALL HAVE THE SAME NUMBER WHERE POSSIBLE. LABEL ALL CABLES AT EACH END WITH THEIR RESPECTIVE NUMBER.



**2** 2-PORT, 2-DATA WIRELESS ACCESS POINT (WAP) DETAIL: (WAP) NOT TO SCALE

NOTE: COORDINATE EXACT LOCATION OF OUTLET WITH ARCHITECTURAL PLANS. LOCATION OF OUTLET SHALL NOT CONFLICT WITH MOUNTING BRACKETS OR OTHER TRADES. PERMANENTLY LABEL ALL WALL JACKS IN THE FOLLOWING MANNER: BUILDING-FLOOR-JACK NUMBER-ROOM NUMBER OF CLOSET. EXAMPLE: 1-1-33-148B (BUILDING 1, FLOOR 1, JACK 33, CLOSET ROOM NUMBER 148B). JACK NUMBER INDICATES THE PUNCH DOWN POSITION OF THE CLOSET CONNECTION. ALL JACKS ON THE SAME PLATE SHALL HAVE THE SAME NUMBER WHERE POSSIBLE. LABEL ALL CABLES AT EACH END WITH THEIR RESPECTIVE NUMBER.

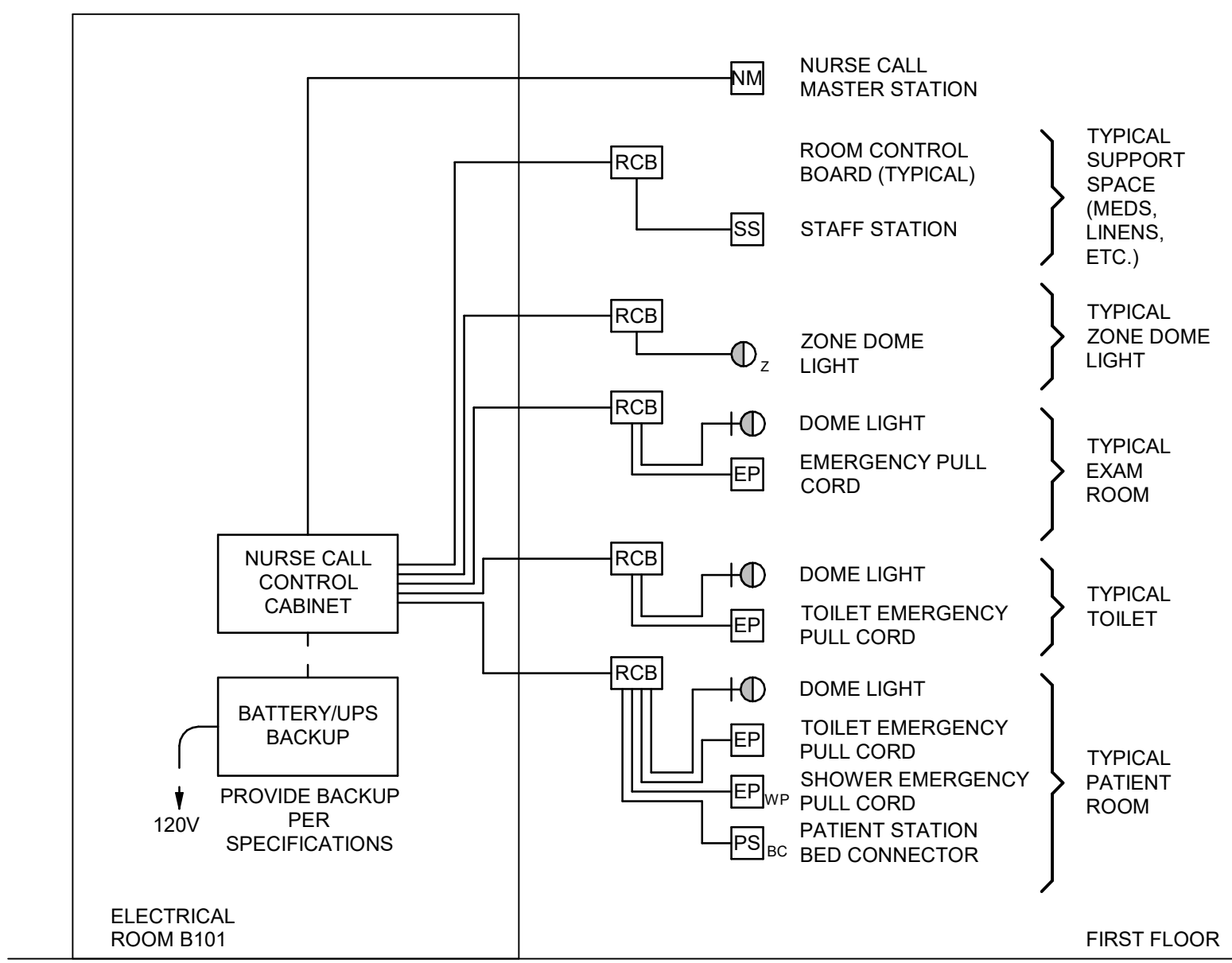


**3** STANDARD 2-PORT TV MONITOR OUTLET DETAIL: (TV) NOT TO SCALE

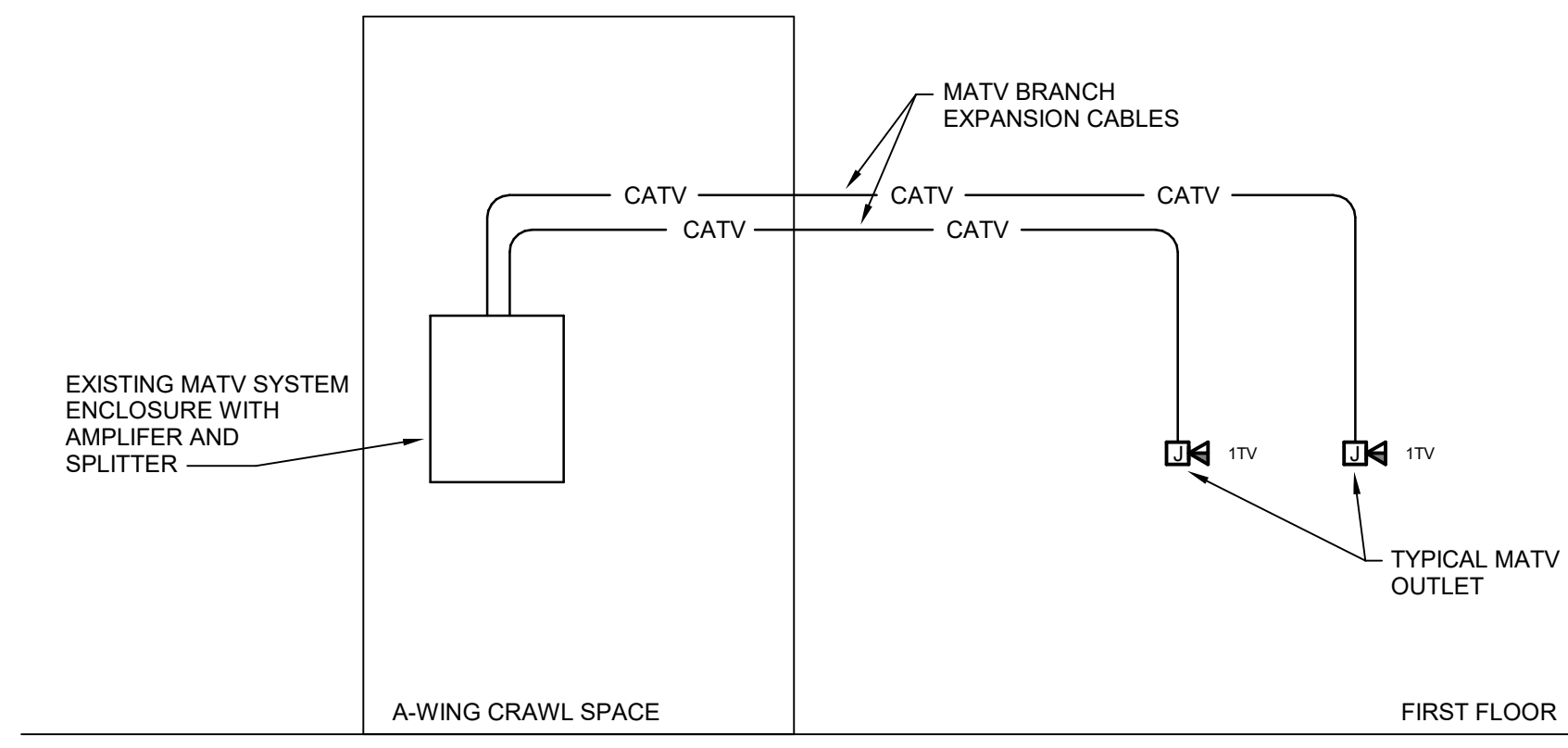
NOTE: COORDINATE EXACT LOCATION OF OUTLET WITH ARCHITECTURAL PLANS. LOCATION OF OUTLET SHALL NOT CONFLICT WITH MOUNTING BRACKETS OR OTHER TRADES. PERMANENTLY LABEL ALL WALL JACKS IN THE FOLLOWING MANNER: BUILDING-FLOOR-JACK NUMBER-ROOM NUMBER OF CLOSET. EXAMPLE: 1-1-33-148B (BUILDING 1, FLOOR 1, JACK 33, CLOSET ROOM NUMBER 148B). JACK NUMBER INDICATES THE PUNCH DOWN POSITION OF THE CLOSET CONNECTION. ALL JACKS ON THE SAME PLATE SHALL HAVE THE SAME NUMBER WHERE POSSIBLE. LABEL ALL CABLES AT EACH END WITH THEIR RESPECTIVE NUMBER.

three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

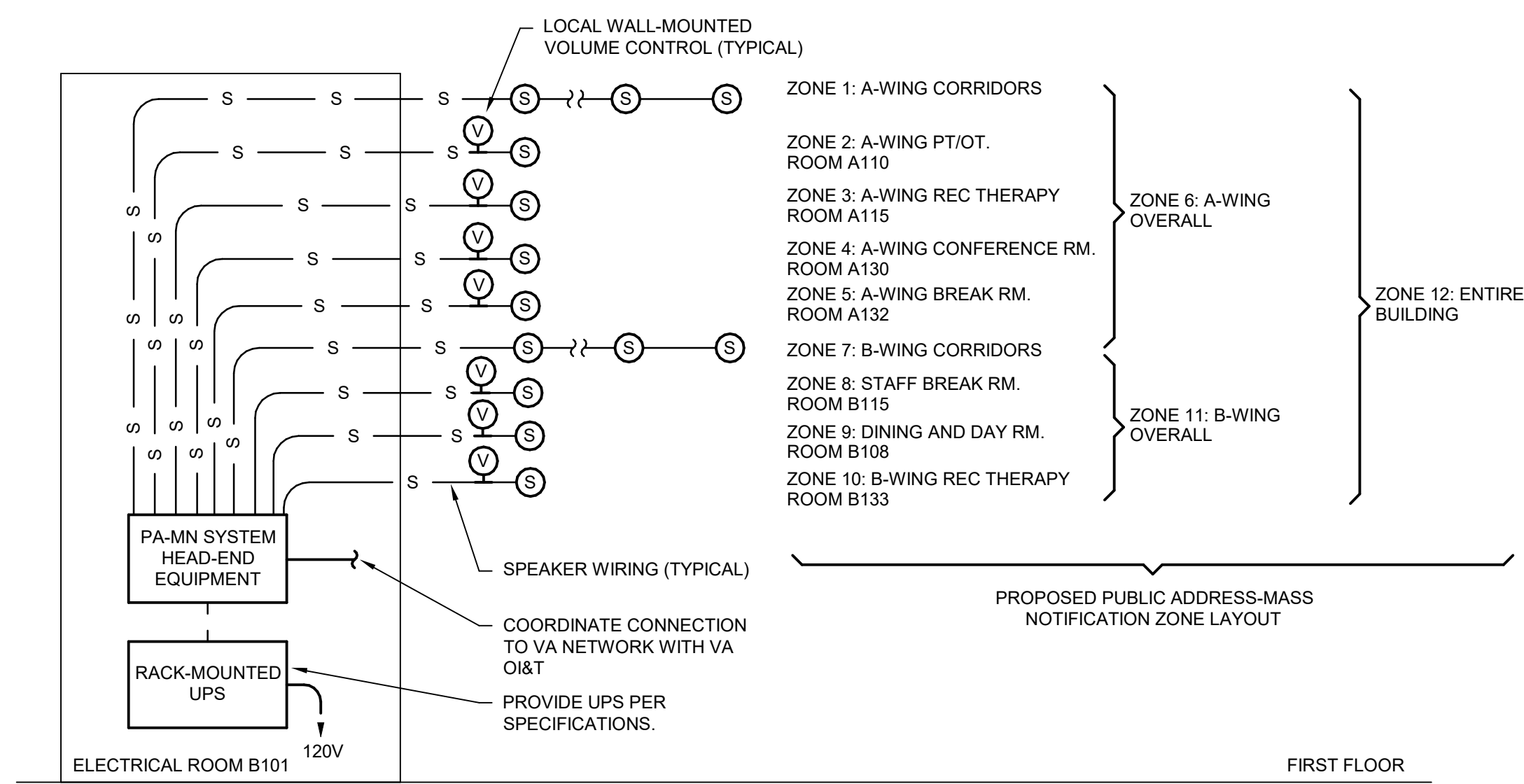
<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER: STAND STRUCTURAL ENGINEERING, 11927 W. 112TH STREET, SUITE 200, OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER: SPUR DESIGN, 11020 KING STREET, SUITE 350, OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER: POOLE FIRE PROTECTION, INC., 19910 W. 161ST STREET, OLATH, KS 66062 (913) 829-8650			<b>ARCHITECT</b> SPUR DESIGN 333 SW 23th Street, Overland Park, KS 66209 10020 King Street, Suite 350, Overland Park, KS 66210 spur-design.com KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs SHEET TITLE: TECHNOLOGY DETAILS APPROVED: PROJECT DIRECTOR		PROJECT PHASE: BID DOCUMENTS FULLY SPRINKLERED		PROJECT TITLE: RENOVATE A & B WING BLDG 6 PROJECT LOCATION: 2200 SW GAGE BLVD, TOPEKA, KS 66622 DATE: 07/10/2019 CHECKED BY: BEN DRAWN BY: ABM		VA PROJECT NUMBER: 589-A5-19-116 BUILDING NUMBER: 6 DRAWING NUMBER: 6-T-501 Dwg. 158 OF 160	
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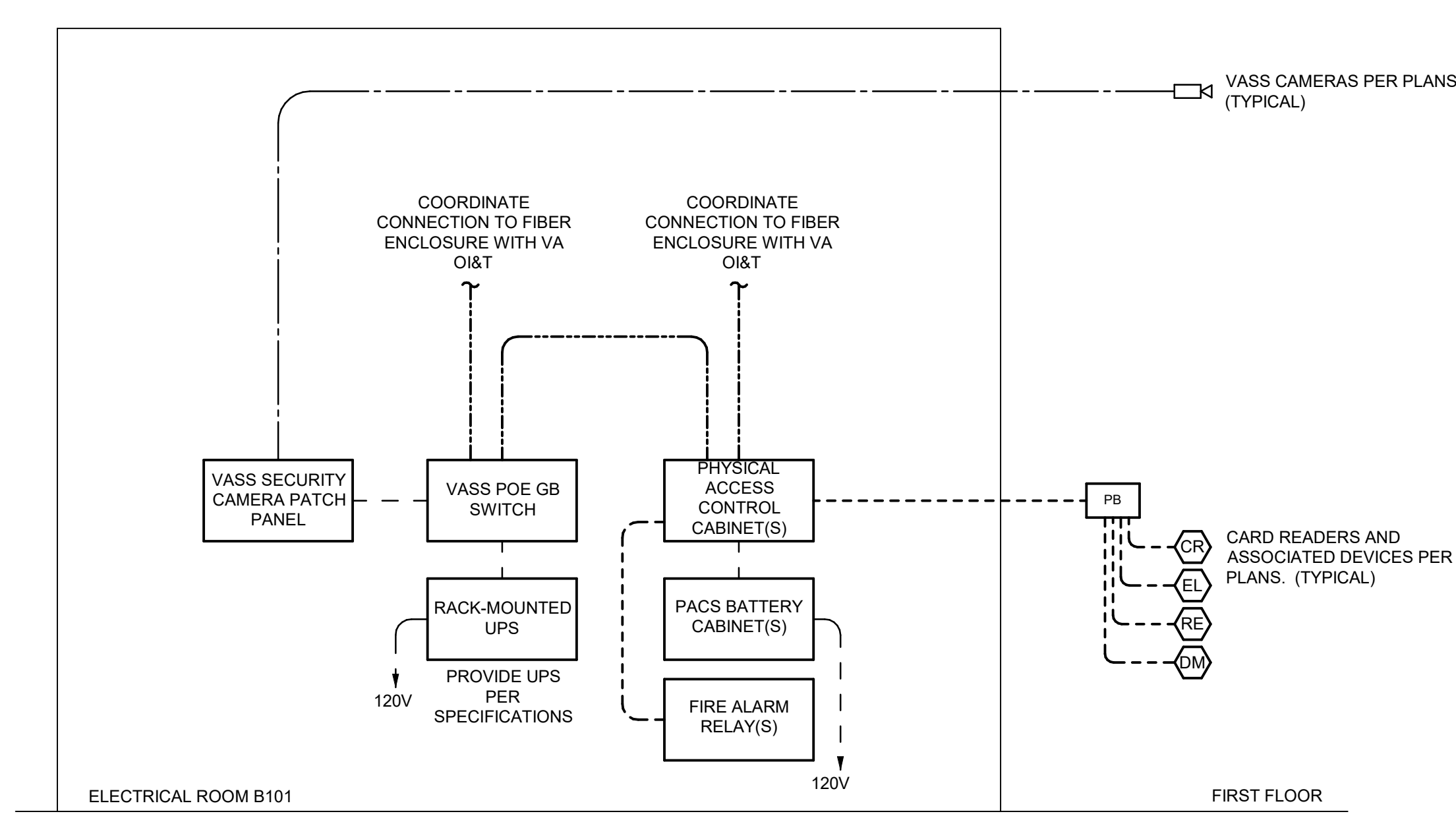
**6 NURSE CALL RISER DIAGRAM**  
NO SCALE



**3 MASTER ANTENNA TELEVISION SYSTEM (MATV) RISER DIAGRAM**  
NO SCALE

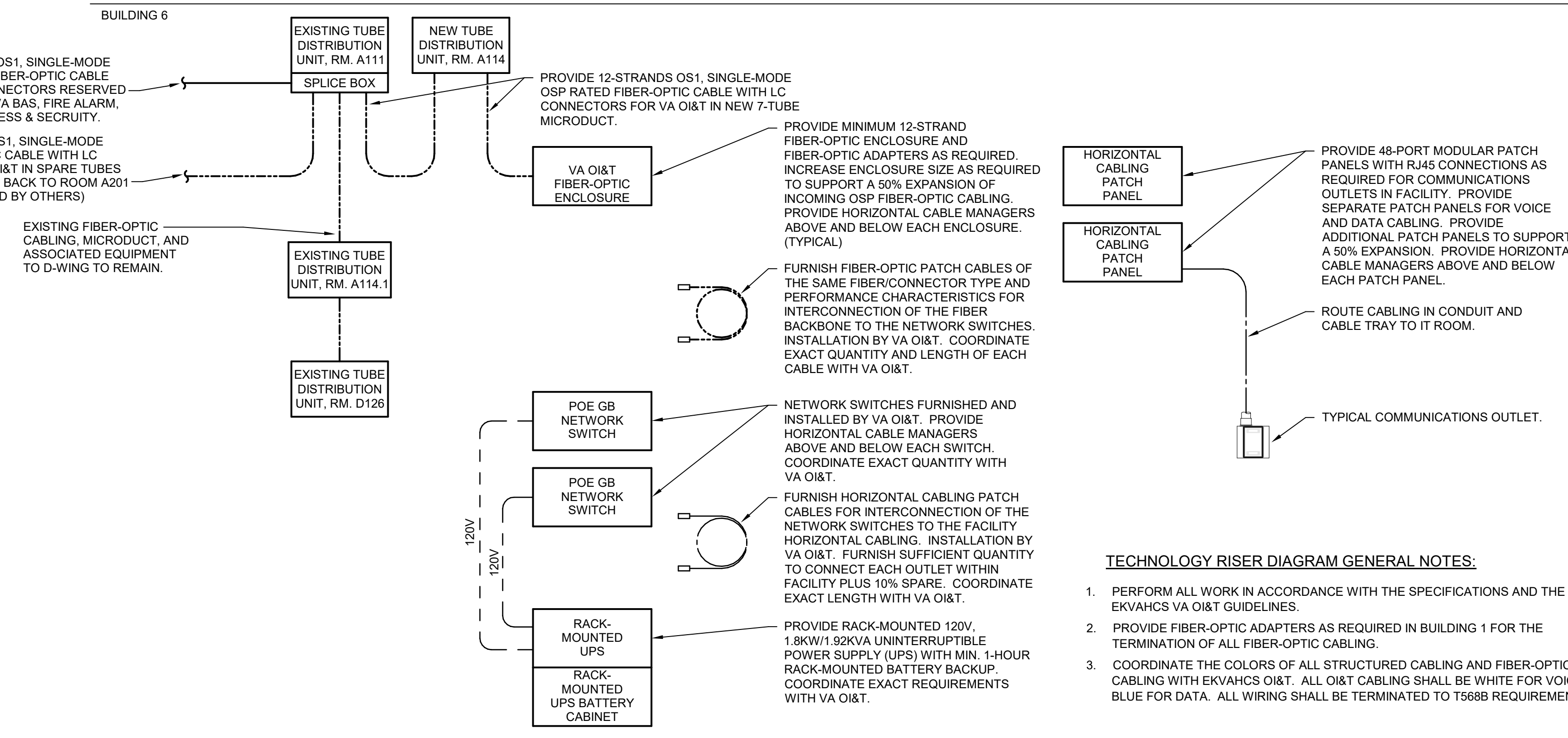


**4 PUBLIC ADDRESS-MASS NOTIFICATION SYSTEM (PA-MN) RISER DIAGRAM**  
NO SCALE

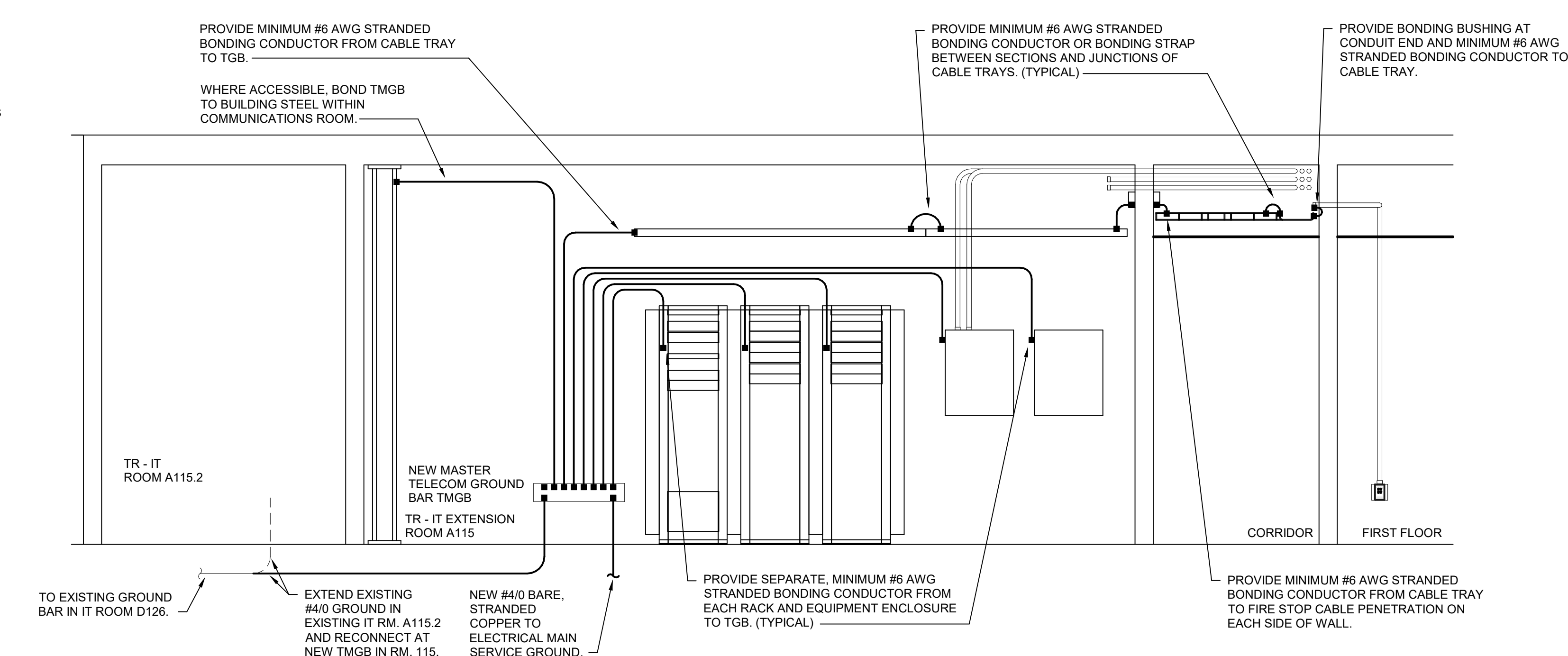


**5 SECURITY RISER DIAGRAM**  
NO SCALE

**LEGEND:**  
 - - - - - CATEGORY 6 CABLE  
 - - - - - 2-STRAND FIBER-OPTIC PATCH CABLE  
 - - - - - MULTI-CONDUCTOR CABLE  
 - - - - - POWER



**1 BUILDING 6, AREA A IT ROOM A115 TECHNOLOGY RISER DIAGRAM**  
NO SCALE



**2 TECHNOLOGY GROUNDING AND BONDING RISER DIAGRAM**  
NO SCALE

- TECHNOLOGY RISER DIAGRAM GENERAL NOTES:**
- PERFORM ALL WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND THE EKVAHCS VA O&T GUIDELINES.
  - PROVIDE FIBER-OPTIC ADAPTERS AS REQUIRED IN BUILDING 1 FOR THE TERMINATION OF ALL FIBER-OPTIC CABLING.
  - COORDINATE THE COLORS OF ALL STRUCTURED CABLING AND FIBER-OPTIC CABLING WITH EKVAHCS O&T. ALL O&T CABLING SHALL BE WHITE FOR VOICE AND BLUE FOR DATA. ALL WIRING SHALL BE TERMINATED TO T568B REQUIREMENTS.

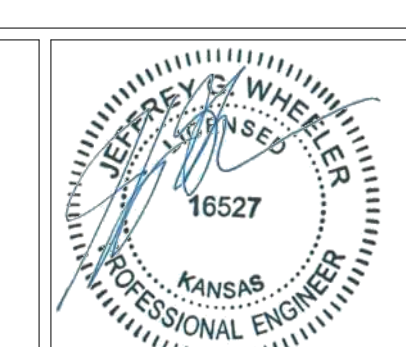
**CONSULTANT INFORMATION**

STRUCTURAL / CIVIL ENGINEER  
 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER  
 FIRE PROTECTION ENGINEER  
 STAND STRUCTURAL ENGINEERING  
 11927 W. 112TH STREET, SUITE 200  
 OVERLAND PARK, KS 66210  
 (913) 214-2169

**ARCHITECT**



312 5th Street  
 Overland Park, KS 66202  
 (913) 829-8650



10000 Ring Street, Suite 300  
 Overland Park, KS 66202  
 (913) 829-8650

**Office of Construction and Facilities Management**



**SHEET TITLE**  
TECHNOLOGY RISER DIAGRAMS

APPROVED: PROJECT DIRECTOR

**PROJECT PHASE**  
BID DOCUMENTS

FULLY SPRINKLERED

**PROJECT TITLE**  
RENOVATE A & B WING BLDG 6

PROJECT LOCATION  
 2200 SW GAGE BLVD  
 TOPEKA, KS 66622

DATE  
07/10/2019

CHECKED BY  
BEN

DRAWN BY  
ABM

**VA PROJECT NUMBER**  
589-A5-19-116

BUILDING NUMBER  
6

DRAWING NUMBER  
6-T-601

Dwg. 159 OF 160

PHYSICAL ACCESS CONTROL SYSTEM (PACS) CARD READER SCHEDULE												
NOTES: 1. PROVIDE ALL ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM COMPATIBLE WITH THE EXISTING CAMPUS PACS SYSTEM. PROVIDE ALL UPGRADES TO THE EXISTING PACS SYSTEM TO INCORPORATE NEW DEVICES.												
TYPE	SYMBOL TYPE	FORM FACTOR	DESCRIPTION	MOUNTING	MOUNTING HEIGHT	LOCATION	MODELS	READ RANGE	POWER	COLOR	COMMENTS	NOTES
CR-01			CARD READER	WALL, RE: DETAIL 7/6-T-501	48" TO TOP OF BOX ABOVE FINISHED FLOOR	INDOOR/ OUTDOOR IP65 RATED	MATCH EXISTING VA CARD READER SYSTEM	4' MAXIMUM	85mA AVG/ 116mA PEAK AT 12VDC	BLACK	DUAL AUTHENTICATION CARD READER WITH KEYPAD COMPATIBLE WITH EXISTING EKVAHCS CAMPUS CARD READER SYSTEM.	1

VIDEO ASSESSMENT AND SURVEILLANCE SYSTEM (VASS) CAMERA SCHEDULE													
NOTES: 1. PROVIDE ALL ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM COMPATIBLE WITH THE EXISTING CAMPUS VASS SYSTEM. PROVIDE ALL UPGRADES TO EXISTING VASS SYSTEM TO INCORPORATE NEW SURVEILLANCE CAMERAS.													
TYPE	SYMBOL TYPE	FORM FACTOR	DESCRIPTION	MOUNTING TYPE	MOUNTING HEIGHT	LOCATION	MODELS	IMAGER SIZE, RESOLUTION	LENS TYPE	POWER	COLOR	COMMENTS	NOTES
C-01			SINGLE VIEW, COMPACT MINI DOME	CEILING SURFACE, RE: DETAIL 10/6-T-501	FLUSH TO CEILING	INDOOR, MINIMUM IP65 RATED	COMPATIBLE WITH VA CAMPUS HEAD-END VIDEO ASSESSMENT AND SURVEILLANCE SYSTEM	1 x 1/3" / 2 MP (MIN)	REMOTE FOCUS, VARIOFOCAL LENS	POWER OVER ETHERNET	WHITE	SINGLE 3-AXIS GIMBAL INDIVIDUAL ADJUSTABLE CAMERA WITH LENS, DAY/NIGHT, CLEAR DOME, VANDAL RESISTANT, ETHERNET IP-BASED DIGITAL CAMERA WITH RJ45 CONNECTION TO VIDEO SURVEILLANCE SYSTEM.	1

ELECTRONIC PERSONAL PROTECTION SYSTEM SCHEDULE											
NOTES: 1. PROVIDE DURESS BUTTON COMPATIBLE WITH EXISTING VA SYSTEM. PROVIDE ADDITIONAL HEAD-END CONTROL PANELS AS REQUIRED.											
TYPE	SYMBOL TYPE	FORM FACTOR	DESCRIPTION	MOUNTING TYPE	MOUNTING HEIGHT	LOCATION	MODELS	POWER	COLOR	COMMENTS	NOTES
DB-01			LOW-PROFILE DURESS BUTTON	WALL/SURFACE	48" TO TOP OF BOX ABOVE FINISHED FLOOR	INDOOR	MATCH EXISTING EKVAHCS HEAD-END SYSTEM	POWER OVER ETHERNET	WHITE	NETWORK HARDWIRED, POWER OVER ETHERNET, WALL/SURFACE-MOUNTED LOW-PROFILE DURESS BUTTON, COORDINATE EXACT LOCATION WITH VA COR PRIOR TO ROUGH-IN.	1

0  
three inches = one foot  
0  
one and one-half inches = one foot  
0  
one inch = one foot  
0  
three-quarters inch = one foot  
0  
one-half inch = one foot  
0  
three-eighths inch = one foot  
0  
one-quarter inch = one foot  
0  
one-eighth inch = one foot  
0  
one-eighth inch = one foot

A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F

<b>CONSULTANT INFORMATION</b> STRUCTURAL / CIVIL ENGINEER STAND STRUCTURAL ENGINEERING 11927 W. 112TH STREET, SUITE 200 OVERLAND PARK, KS 66210 (913) 214-2169 MECHANICAL / ELECTRICAL / PLUMBING / TECHNICAL ENGINEER SPUR DESIGN 11020 KING STREET, SUITE 350 OVERLAND PARK, KS 66210 (405) 842-6100 FIRE PROTECTION ENGINEER POOLE FIRE PROTECTION, INC. 19910 W. 161ST STREET OLATH, KS 66062 (913) 829-8650		<b>ARCHITECT</b>  512 SW 23th Street Overland Park, KS 66150 spur-design.com 11020 King Street, Suite 350 Overland Park, KS 66210 spur-design.com  KS ARCH REG. NO. A-1139, EXP. 12/31/2019 KS ENGR REG. NO. E-2586, EXP. 12/31/2019		<b>Office of Construction and Facilities Management</b> U.S. Department of Veteran Affairs		SHEET TITLE <b>TECHNOLOGY SCHEDULES</b> APPROVED: PROJECT DIRECTOR		PROJECT PHASE <b>BID DOCUMENTS</b> FULLY SPRINKLERED		PROJECT TITLE <b>RENOVATE A &amp; B WING BLDG 6</b> PROJECT LOCATION <b>2200 SW GAGE BLVD                  TOPEKA, KS 66622</b> DATE <b>07/10/2019</b> CHECKED BY <b>BEN</b> DRAWN BY <b>ABM</b>		VA PROJECT NUMBER <b>589-A5-19-116</b> BUILDING NUMBER <b>6</b> DRAWING NUMBER <b>6-T-602</b> Dwg. 160 OF 160	
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