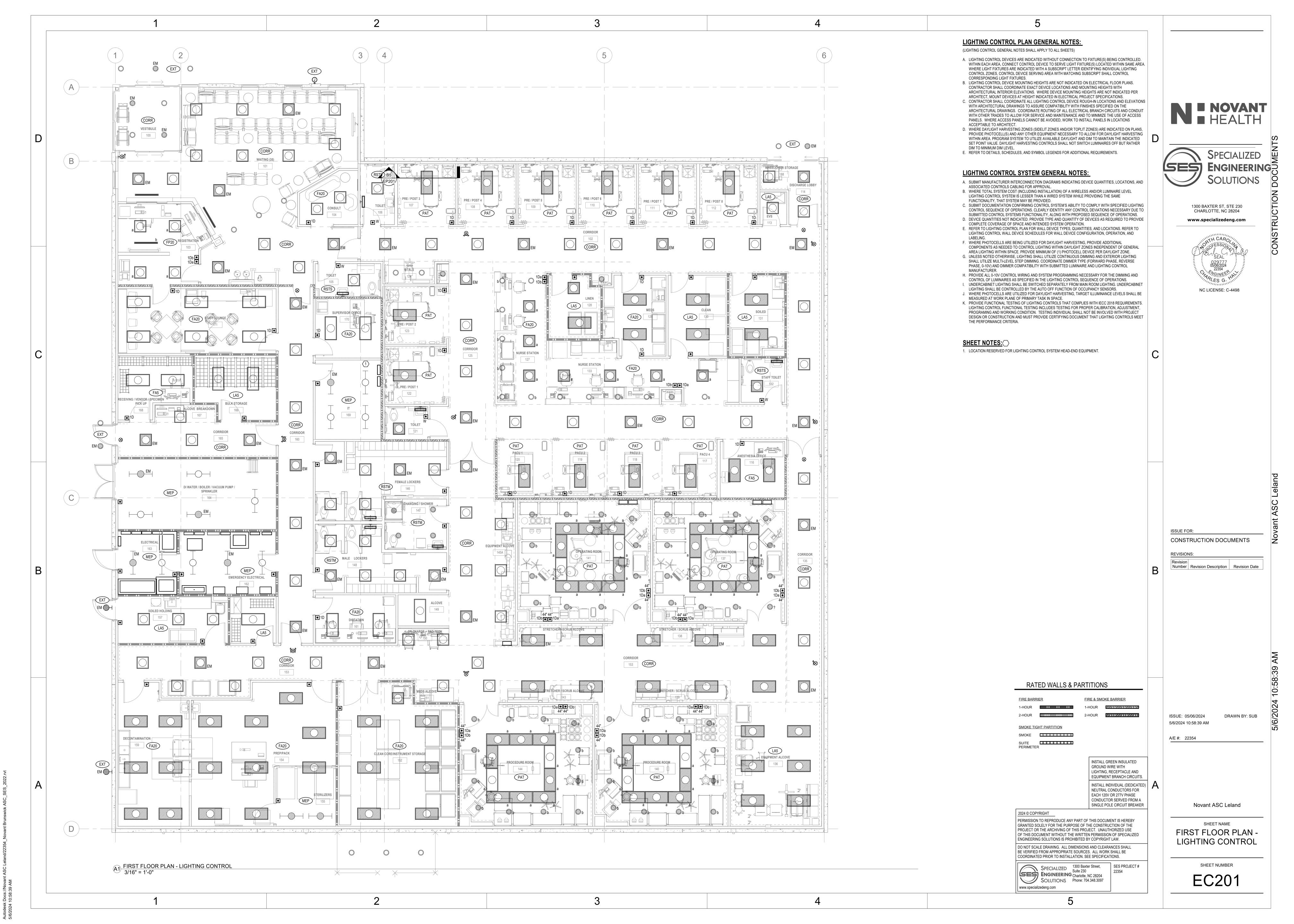
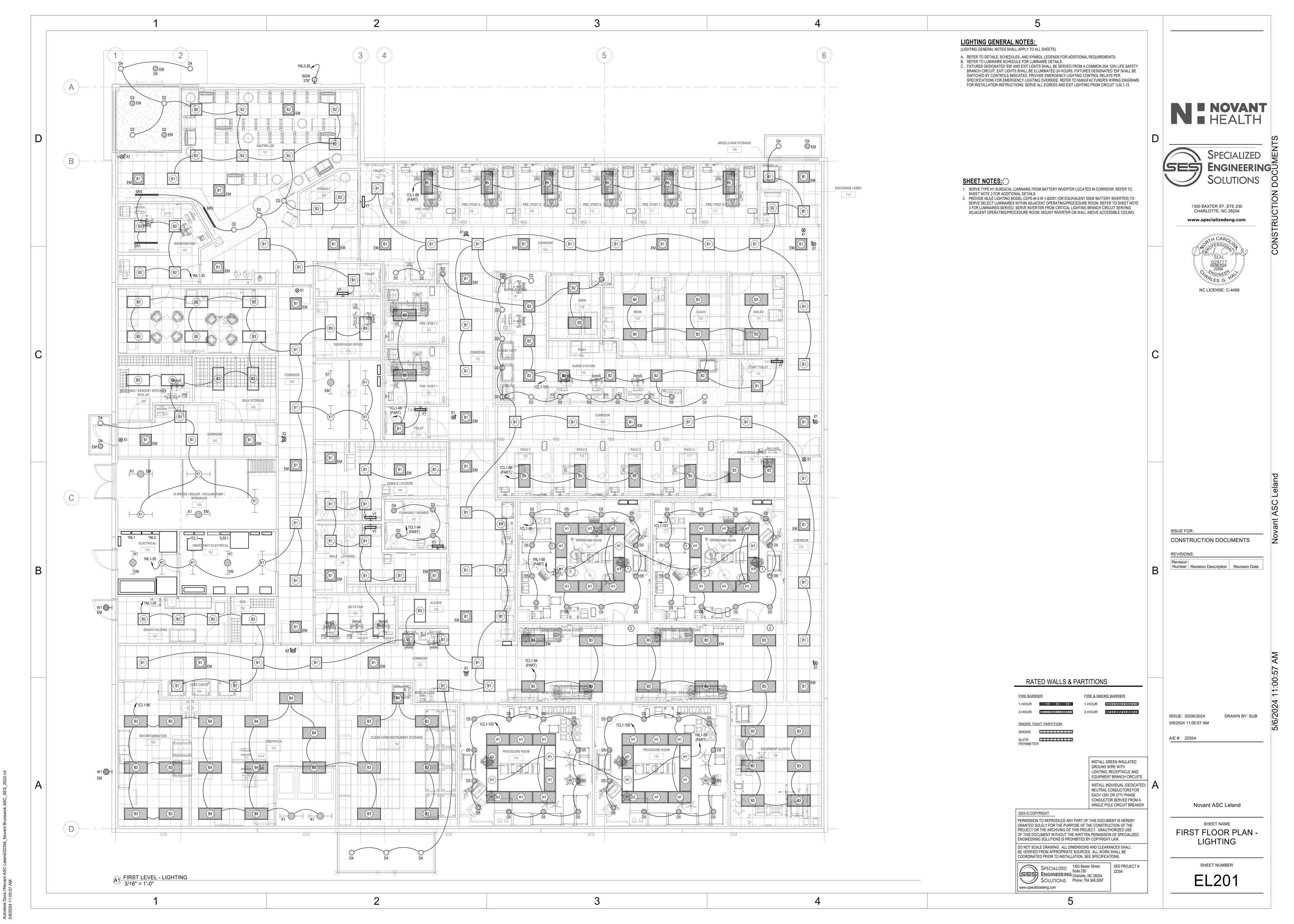
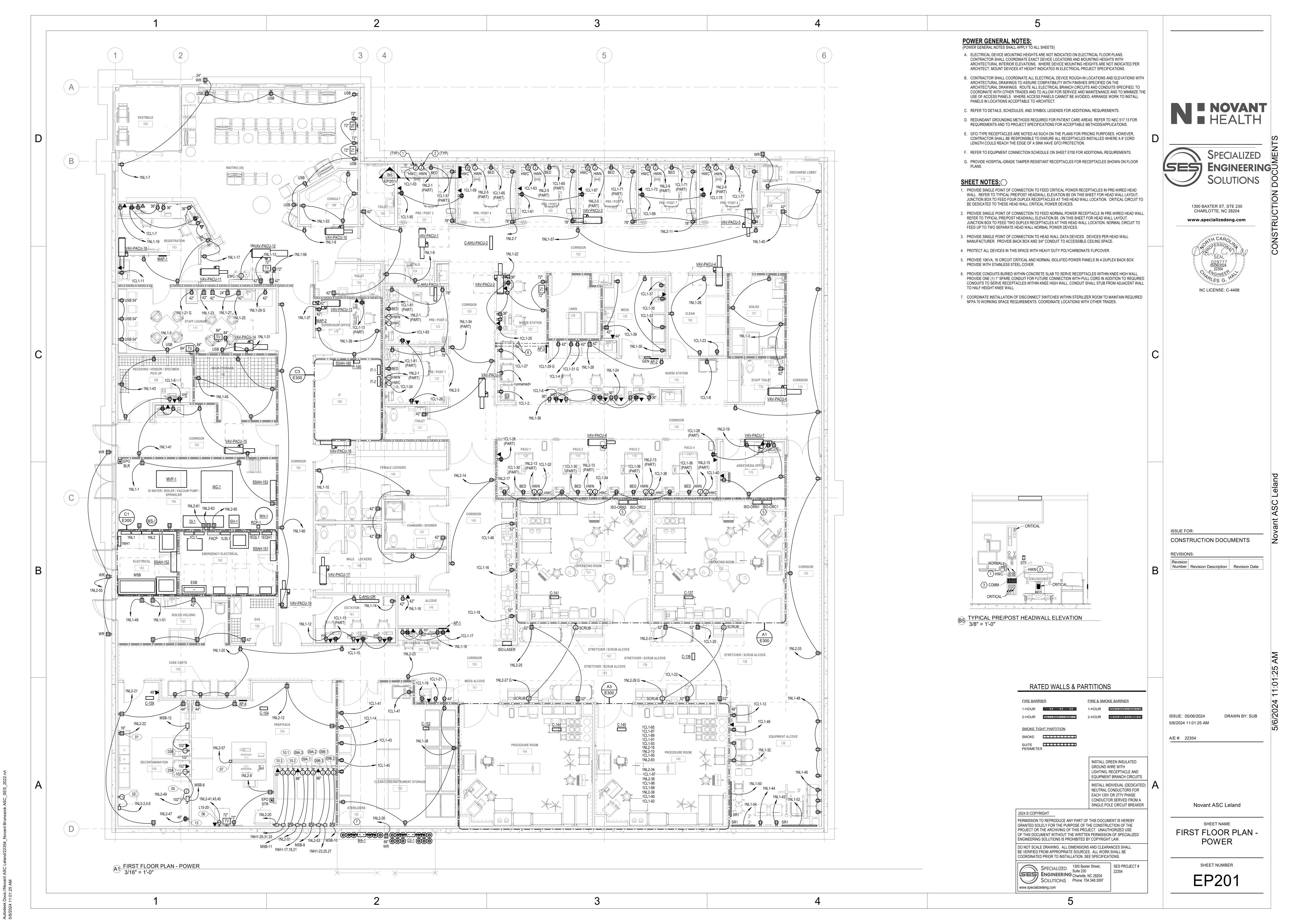
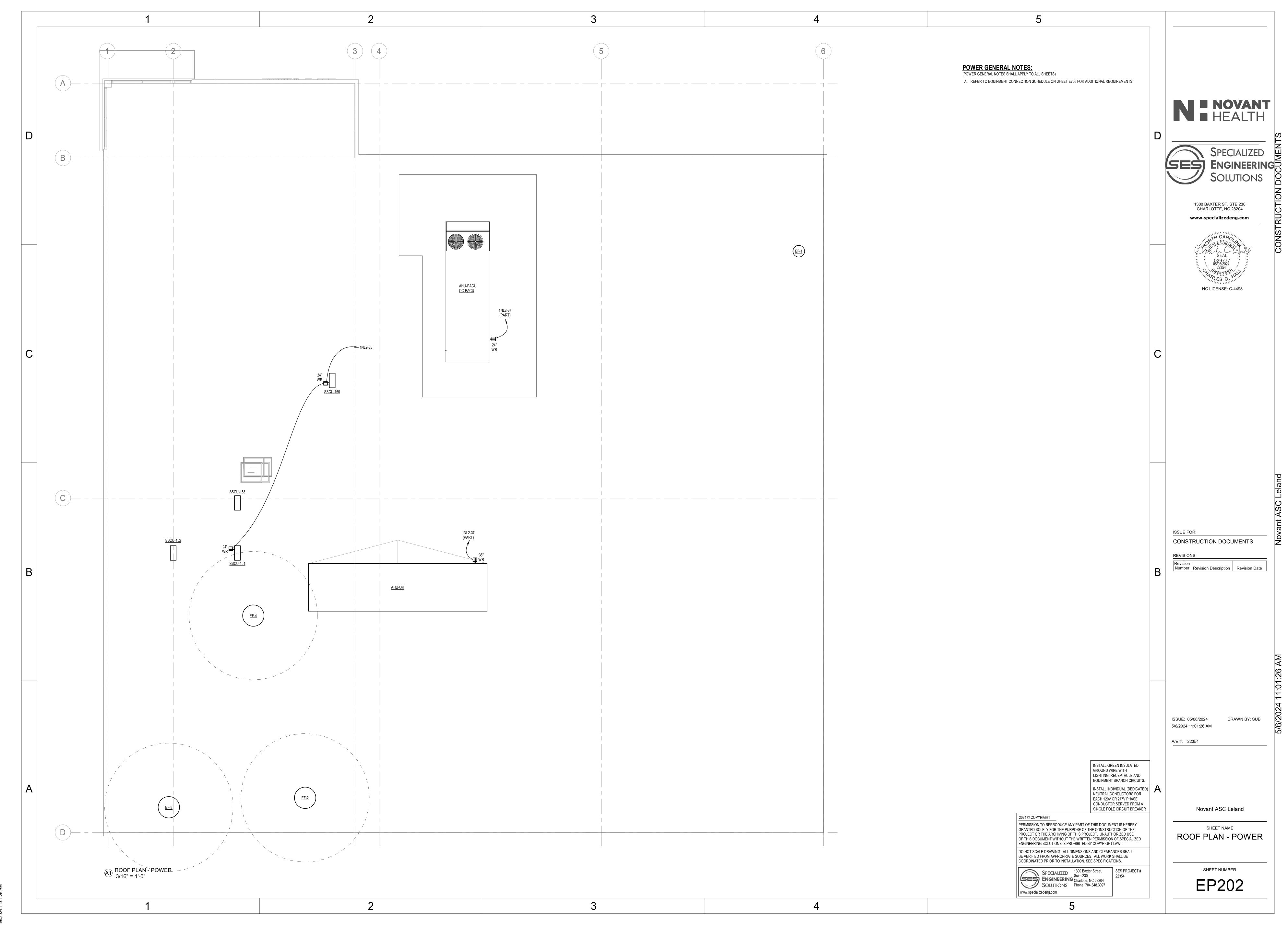


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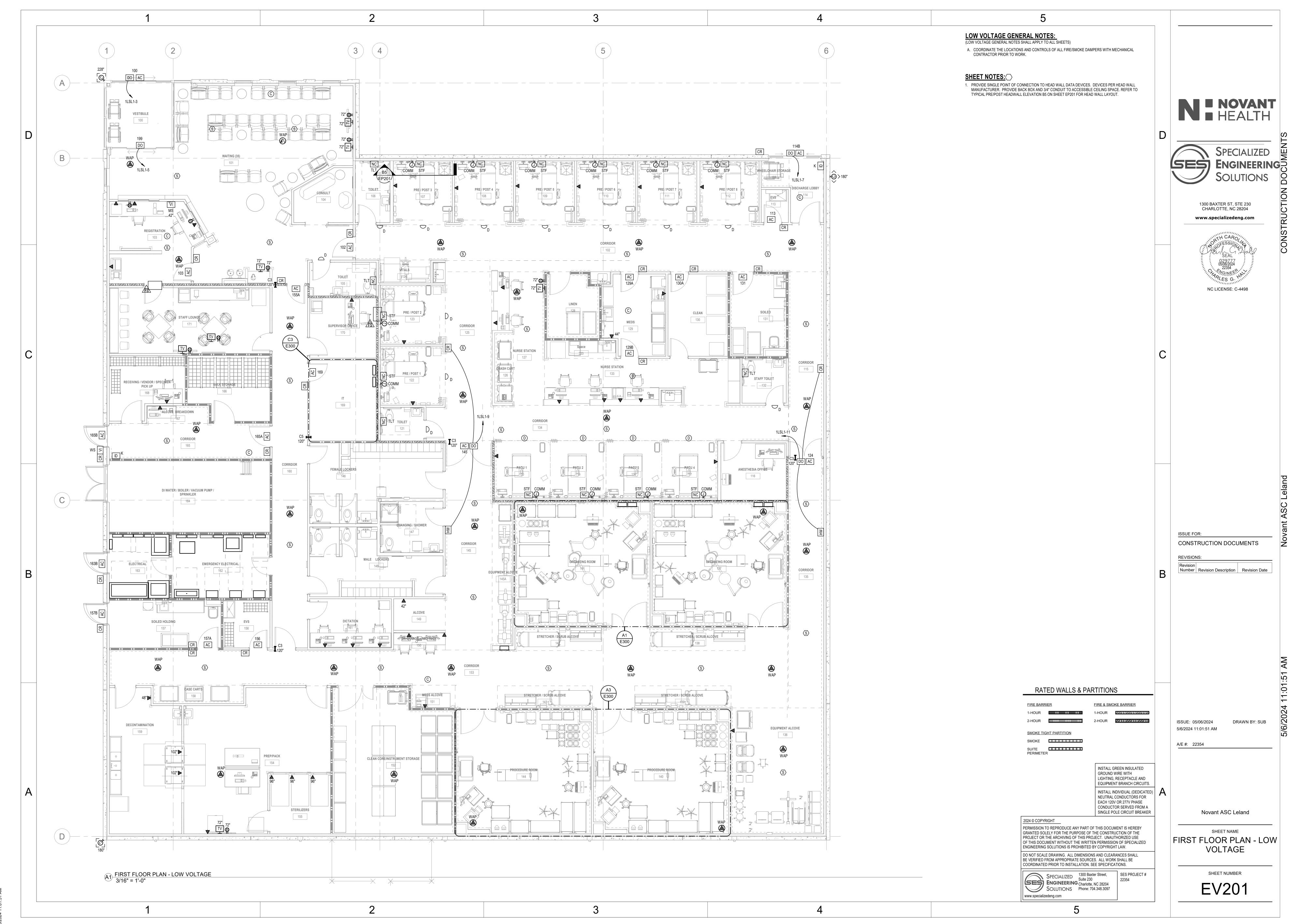




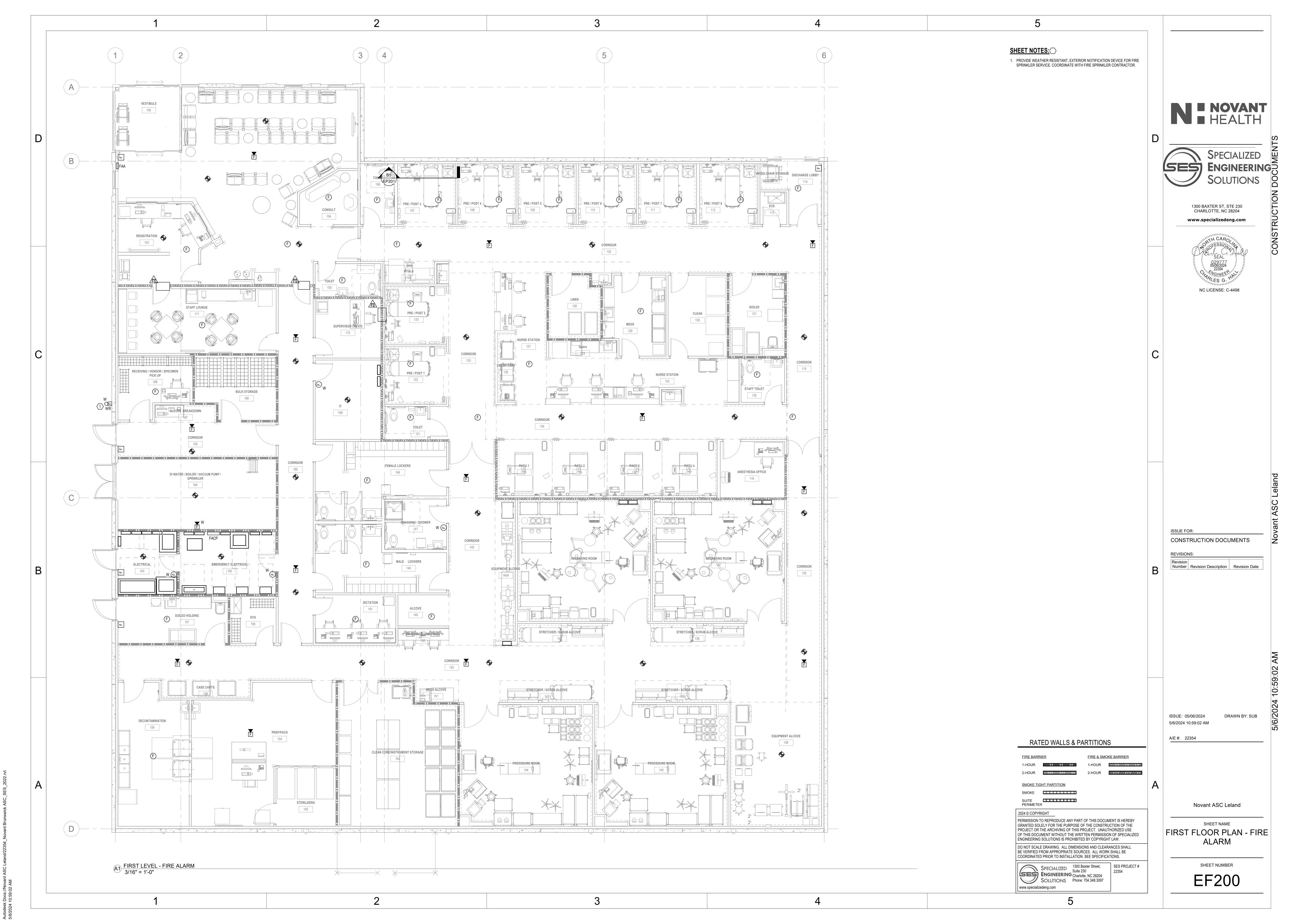


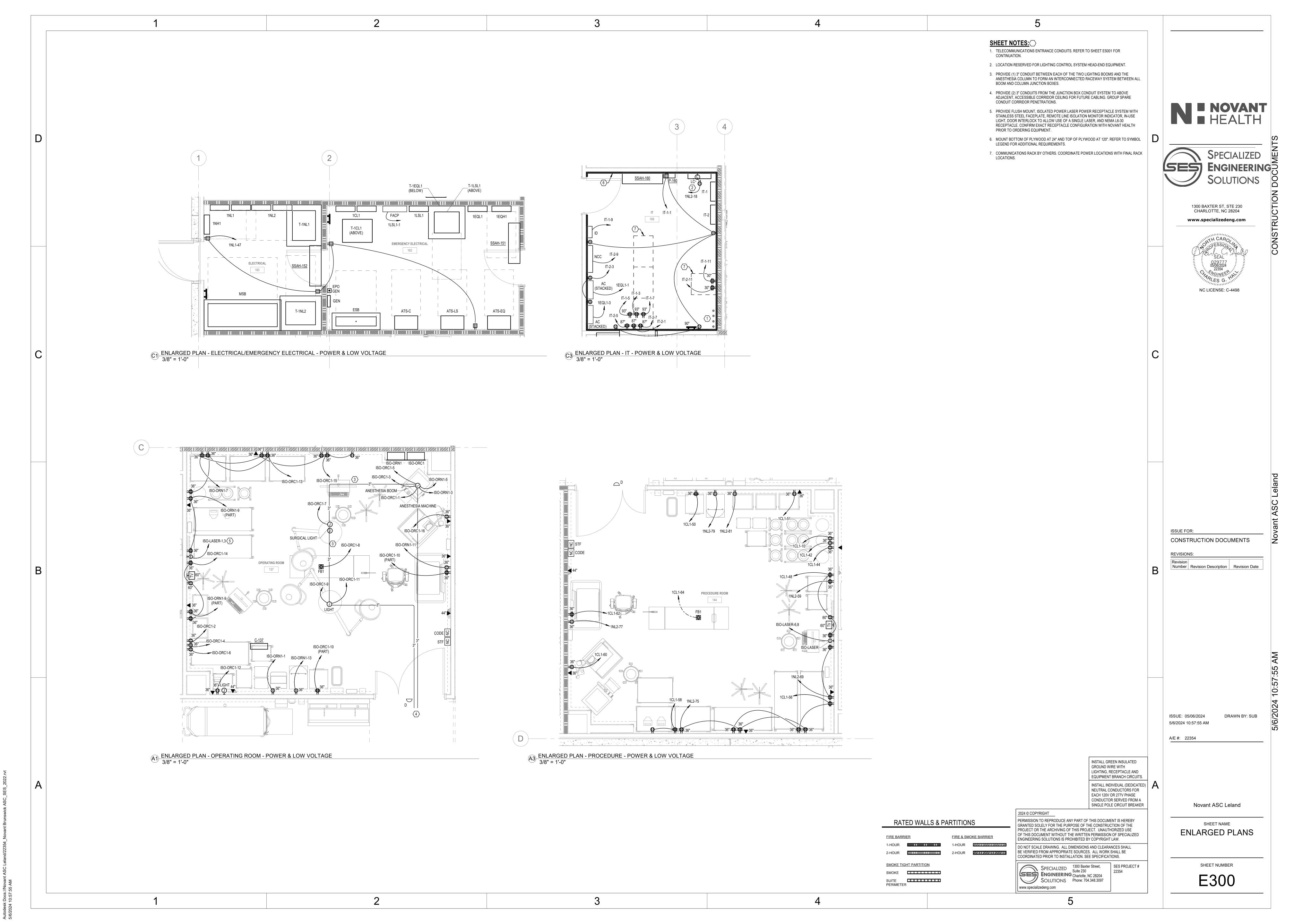


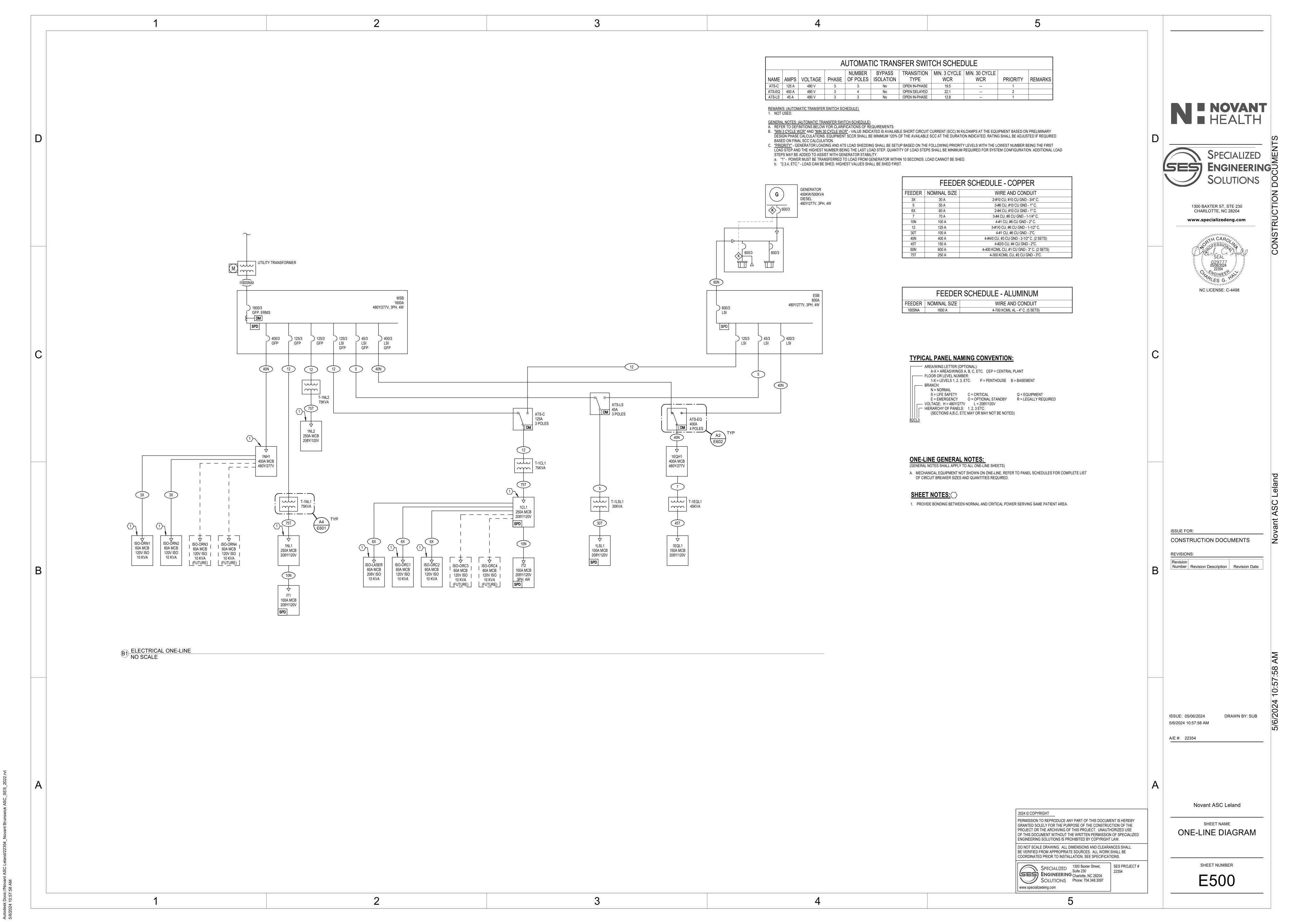
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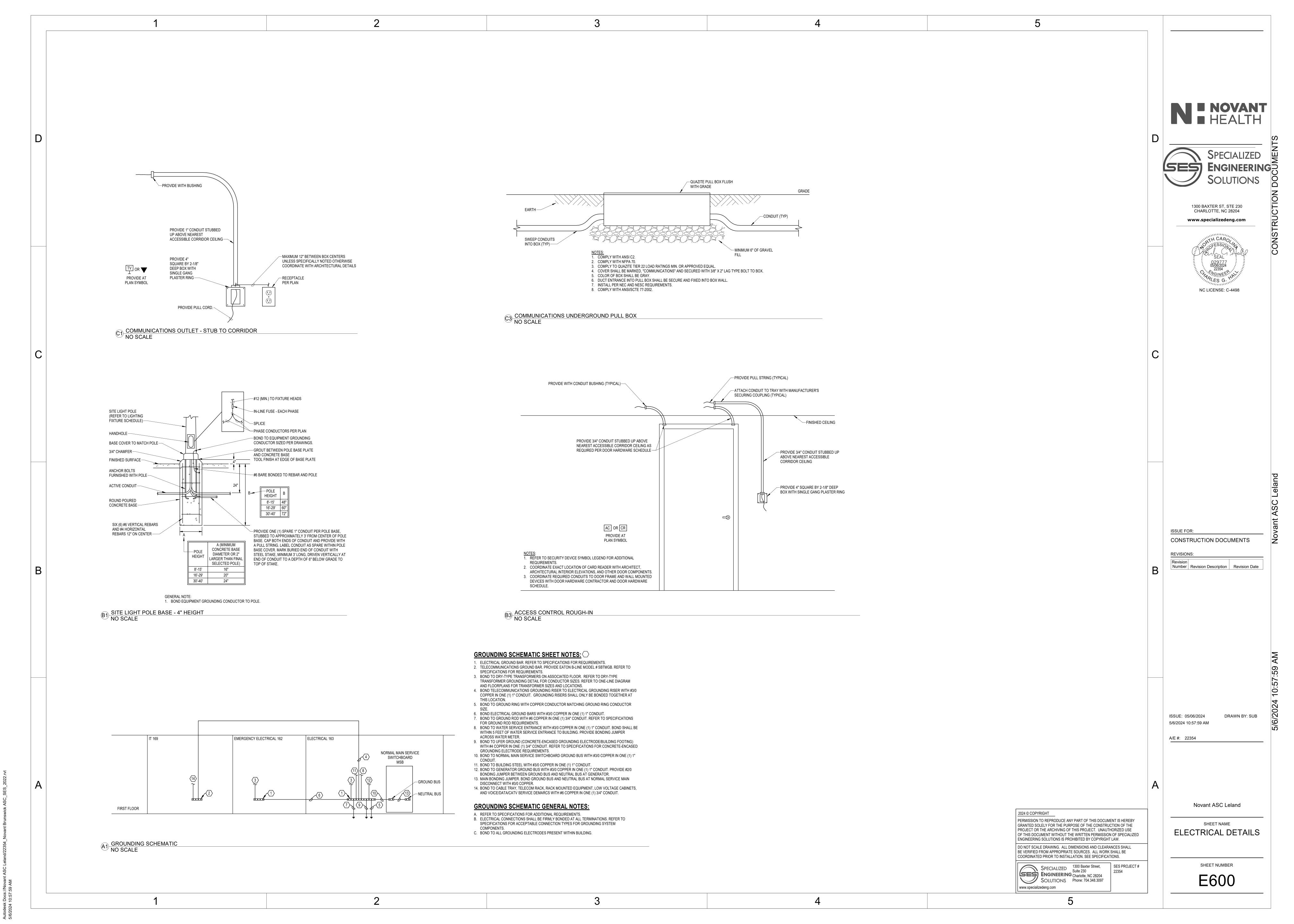


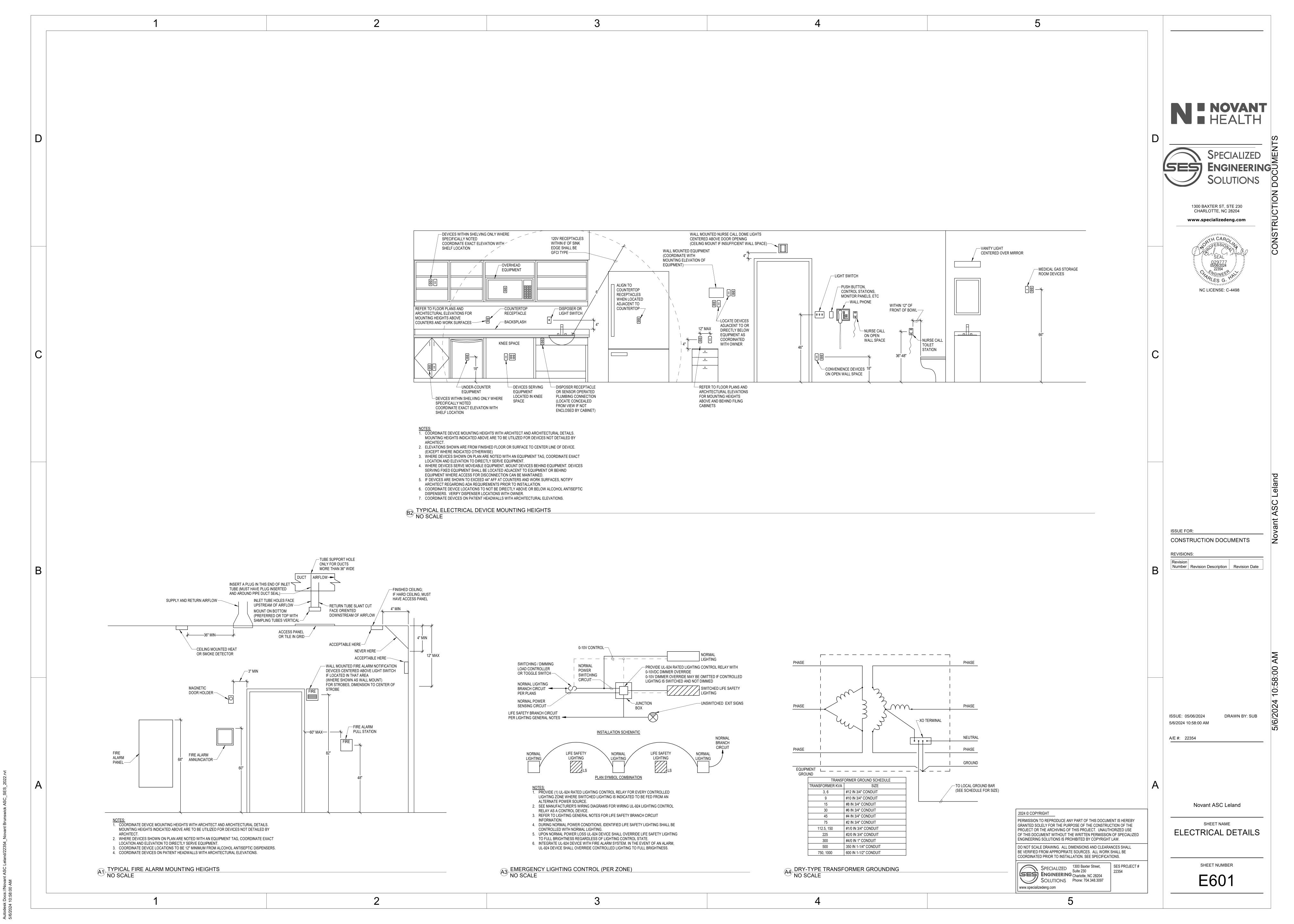
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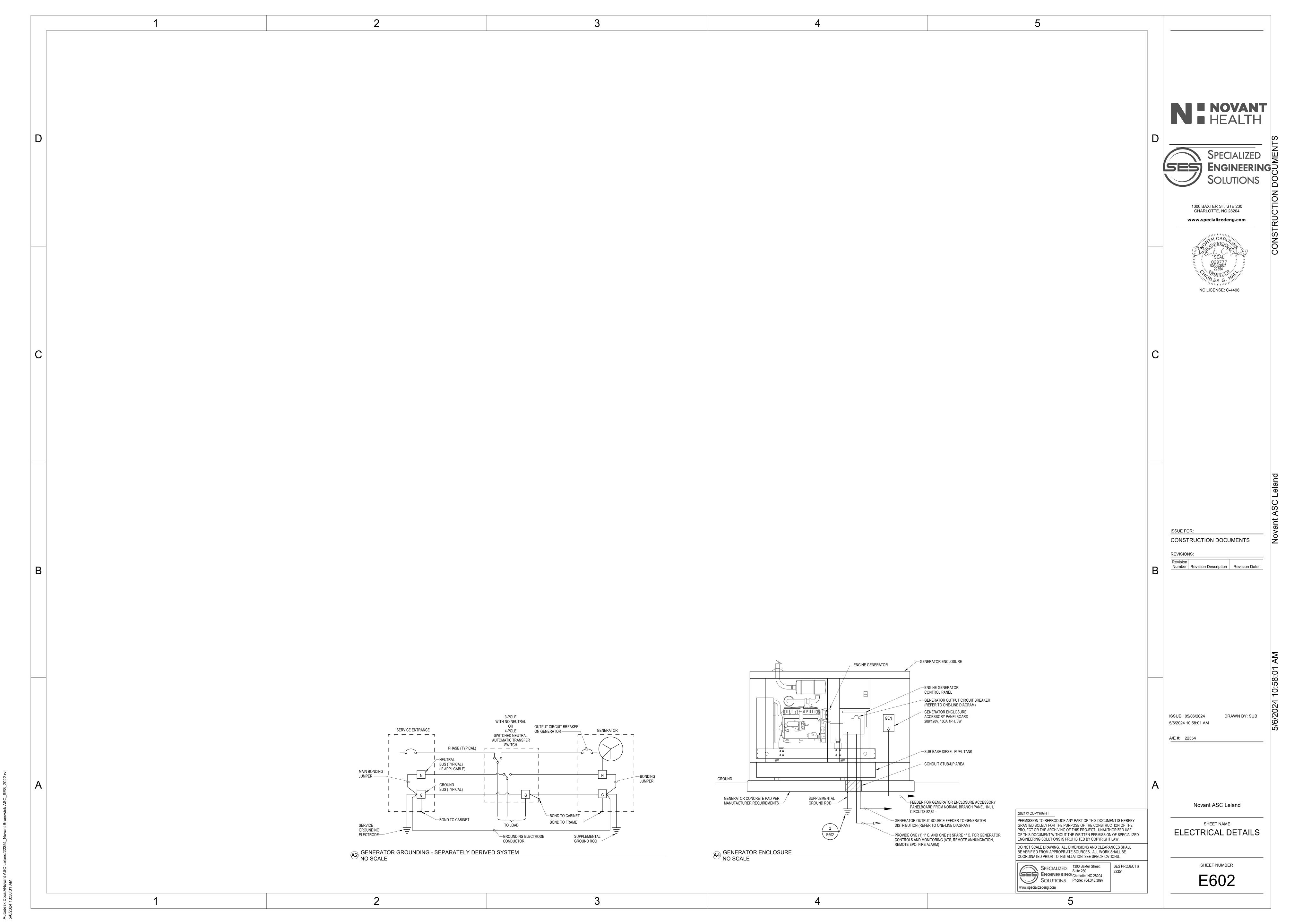












• FIRE ALARM SYSTEM SHALL START FAN UPON DETECTION OF SMOKE IN DUCT OR ROOMS SERVED FROM THIS EQUIPMENT. PROVIDE WITH INDIVIDUAL FIRE ALARM SYSTEM ADDRESSABLE CONTROL MODULE AT MOTOR CONTROLLER/STARTER AND CONNECT TO START FAN.

"DATA" = PROVIDE WITH DATA CONNECTION FROM NEAREST DATA NETWORK COMMUNICATIONS ROOM.

"CONDUIT" = PROVIDE EMPTY 3/4" CONTROLS CONDUIT BETWEEN INDOOR AND OUTDOOR UNIT TO ACCOMMODATE CONTROL CABLING BY MECHANICAL OR TEMPERATURE CONTROLS CONTRACTOR.

"EPO" = PROVIDE EMERGENCY POWER OFF. REFER TO FLOOR PLANS FOR DEVICE LOCATION.

"MECHANICAL" = DISCONNECT IS FURNISHED BY MECHANICAL CONTRACTOR OR PROVIDED WITH MECHANICAL EQUIPMENT. • ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND ADDITIONAL CONNECTIONS REQUIRED FOR LOOSE DISCONNECTS FURNISHED BY THE MECHANICAL CONTRACTOR.

 "ELECTRICAL" = DISCONNECT IS FURNISHED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR. • "MANUFACTURER" = DISCONNECT IS FURNISHED BY EQUIPMENT MANUFACTURER. ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND ADDITIONAL CONNECTIONS REQUIRED FOR LOOSE DISCONNECTS

FURNISHED BY EQUIPMENT MANUFACTURER. . "DISCONNECT TYPE" - PROVIDE DISCONNECT/RECEPTACLE AT EQUIPMENT LOCATION AND ASSOCIATED CONNECTION TO EQUIPMENT AND BRANCH CIRCUIT:

• "NEMA-\_\_" = DUPLEX (TYP) RECEPTACLE TO ACCOMMODATE CORD AND PLUG CONNECTION (CORD AND PLUG FURNISHED WITH EQUIPMENT UNLESS NOTED OTHERWISE) "REC/SW" = PROVIDE 20A 120V RECEPTACLE OR 20A TOGGLE SWITCH DISCONNECT. COORDINATE REQUIRED SELECTION WITH EQUIPMENT.

 "NF" = NON-FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED. 20/1 AND SMALLER SHALL BE TOGGLE SWITCH DISCONNECT. • "F" = FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED.

 FUSE PER MANUFACTURER'S RECOMMENDATIONS. "FUSTAT" = SWITCH AND FUSTAT. FUSE SIZE PER EQUIPMENT MANUFACTURER.

 LOCATE SWITCH IN CONCEALED ACCESSIBLE LOCATION. "ENCL CB" = ENCLOSED CIRCUIT BREAKER DISCONNECT.

 SIZE, POLE QUANTITY, AND FLUSH/SURFACE MOUNTING AS INDICATED. "ENCL MCSW" = ENCLOSED MOLDED CASE SWITCH DISCONNECT.

 SIZE, POLE QUANTITY, AND FLUSH/SURFACE MOUNTING AS INDICATED. "SHUNT ENCL CB" = SHUNT TRIP ENCLOSED CIRCUIT BREAKER DISCONNECT

 SIZE, POLE QUANTITY, AND FLUSH/SURFACE MOUNTING AS INDICATED. PROVIDE WITH INTEGRAL 120V CONTROL TRANSFORMER SERVED FROM LINE SOURCE WITH PRIMARY AND SECONDARY FUSING. COORDINATE ENCLOSURE AND COVER SIZE TO ACCOMMODATE TRANSFORMER. PROVIDE WITH EQUIPMENT GROUND BAR AND SEPARATE INSULATED ISOLATED GROUND BAR. WHERE NEUTRAL

CONDUCTOR IS UTILIZED. PROVIDE SOLID NEUTRAL BAR. CONNECT SHUNT TRIP VOLTAGE SOURCE AND ACTUATOR TO ASSOCIATED EMERGENCY POWER (EPO) SWITCHES. PROVIDE EPO AND COORDINATE • "LOCK CB" = CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION, LOCATED IN THE SOURCE ELECTRICAL PANEL. THE PROVISIONS FOR LOCKING MUST REMAIN IN PLACE WITH OR WITHOUT THE

LOCK INSTALLED. • "MAG" = COMBINATION MAGNETIC MOTOR STARTER WITH DISCONNECT (COORDINATE COIL VOLTAGE WITH CONTROL SOURCE). LOCATE COMBINATION MAGNETIC MOTOR STARTER TO SERVE AS THE MOTOR

DISCONNECT. WHERE STARTER SERVES OUTDOOR EQUIPMENT, LOCATE STARTER IN THE SOURCE ELECTRICAL ROOM. "MAN" = COMBINATION MANUAL MOTOR STARTER WITH DISCONNECT. LOCATE COMBINATION MANUAL MOTOR STARTER TO SERVE AS THE MOTOR DISCONNECT. WHERE STARTER SERVES OUTDOOR

EQUIPMENT, LOCATE STARTER IN THE SOURCE ELECTRICAL ROOM. "VFD" = VARIABLE FREQUENCY DRIVE CONTROLLER. LOCATE VARIABLE FREQUENCY DRIVE CONTROL TO SERVE AS THE MOTOR DISCONNECT.

 "INT" = DISCONNECT IS MANUFACTURED INTEGRAL TO THE EQUIPMENT. "HW" = HARDWIRE, DISCONNECT NOT REQUIRED. LOCATE DISCONNECT ADJACENT TO EQUIPMENT PER NEC - PROVIDE WITH STRUT MOUNTING AS REQUIRED.

 LOCATE RECEPTACLE OR JUNCTION BOX TO DIRECTLY SERVE EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT, ARCHITECTURAL DETAILS, AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.

 WHERE DISCONNECT SERVES OUTDOOR EQUIPMENT, PROVIDE AS NEMA-3R. PROVIDE DISCONNECT WITH EQUIPMENT GROUND KIT.

WHERE FEEDER INDICATED UTILIZES A NEUTRAL, PROVIDE DISCONNECT WITH SOLID NEUTRAL KIT.

 WHERE FEEDER INDICATED UTILIZES AN ISOLATED GROUND, PROVIDE DISCONNECT WITH ADDITIONAL INSULATED GROUND KIT. DISCONNECTS NOT SHOWN AS "F" OR "NF" SHALL BE NON-FUSED.

• DISCONNECTS OF MOTORS SERVED FROM A VFD SHALL CONTAIN AUXILIARY CONTACTS CONNECTED TO THE VFD TO DISABLE VFD UPON DISCONNECTION. WHERE STARTERS OR VFD'S CONTAIN INTEGRAL DISCONNECTS AND ARE LOCATED PER NEC TO SATISFY AS THE EQUIPMENT DISCONNECT, AN ADDITIONAL EQUIPMENT DISCONNECT IS NOT REQUIRED

 "FEEDER":
 PROVIDE CONDUCTORS AND RACEWAY AS INDICATED. TYPICAL FORMAT IS: (FEEDER TAG) (NOMINAL SIZE) CONDUCTORS AND RACEWAY REQUIRED. H. "GEN" - EQUIPMENT IS SERVED FROM A SOURCE PANEL PROVIDED WITH GENERATOR BACK-UP.

"SCCR" - VALUE INDICATED IS AVAILABLE SHORT CIRCUIT CURRENT (SCC) IN KILOAMPS AT THE EQUIPMENT BASED ON PRELIMINARY DESIGN PHASE CALCULATIONS. EQUIPMENT SCCR SHALL BE MINIMUM 120% OF THE AVAILABLE SCC. RATING SHALL BE ADJUSTED IF REQUIRED BASED ON FINAL SCC CALCULATION. EQUIPMENT INDICATED WITH 5 KA MAY BE PROVIDED WITH 5 KA SCCR.

			VILDIC	// \L L \	XOII IV	. <u> </u>	OHLDOLL			
		MOUNTING				LOAD	DISCONNECT			
MARK	DESCRIPTION	HEIGHT	VOLTS	PHASE	MOCP	VA	(NOTE 1)	FEEDER	GEN	REMARKS
01	SINK	16"	120 V	1	20	360 VA	NEMA 5-20	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	
02	WASH CYCLE	18"	208 V	3	20	3000 VA	NF 30/3	(2) (20A) 3-#12 CU, #12 CU GND - 3/4"C.	No	
03A	WASHER/DISINFECTOR	102"	480 V	3	50	28682 VA	NF 60/3	(5) (50A) 3-#6 CU, #10 CU GND - 1"C.	No	3
03B	WASHER/DISINFECTOR	102"	480 V	3	50	28682 VA	NF 60/3	(5) (50A) 3-#6 CU, #10 CU GND - 1"C.	No	3
05	PASS THROUGH WINDOW		120 V	1	20	120 VA	SW 20/1	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	
06	STERILIZER - LOW TEMP	18"	208 V	3	20	5764 VA	NEMA L15-20	(2) (20A) 3-#12 CU, #12 CU GND - 3/4"C.	No	
07	PACK/ PREP WORKSTATION		120 V	1	20	720 VA	HW	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	
09A.1	STERILIZER	96"	480 V	3	20	5819 VA	NF 30/3	(2) (20A) 3-#12 CU, #12 CU GND - 3/4"C.	No	
09A.2	STERILIZER - STEAM GENERATOR	96"	480 V	3	80	47389 VA	80A ENCL CB	(8) (80A) 3-#3 CU, #8 CU GND - 1-1/4"C.	No	2
09A.3	STERILIZER - STEAM GENERATOR CONTROL	96"	120 V	1	20	1200 VA	NF 30/3	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	
09B.1	STERILIZER	96"	480 V	3	20	5819 VA	NF 30/3	(2) (20A) 3-#12 CU, #12 CU GND - 3/4"C.	No	
09B.2	STERILIZER - STEAM GENERATOR	96"	480 V	3	80	47389 VA	80A ENCL CB	(8) (80A) 3-#3 CU, #8 CU GND - 1-1/4"C.	No	2
09B.3	STERILIZER - STEAM GENERATOR CONTROL	96"	120 V	1	20	1200 VA	NF 30/3	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	
10.1	STERILIZER	96"	480 V	3	20	5819 VA	NF 30/3	(2) (20A) 3-#12 CU, #12 CU GND - 3/4"C.	No	
10.2	STERILIZER - STEAM GENERATOR	96"	480 V	3	80	47389 VA	80A ENCL CB	(8) (80A) 3-#3 CU, #8 CU GND - 1-1/4"C.	No	2
10.3	STERILIZER - STEAM GENERATOR CONTROL	96"	120 V	1	20	1200 VA	NF 30/3	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	
13	CHEMISTRY DELIVERY SYSTEM	48"	120 V	1	20	240 VA	NEMA 5-20 (QUAD)	(2X) (20A) 2-#12 CU, #12 CU GND - 3/4"C.	No	3

PRIOR TO INSTALLATION, COORDINATE EXACT DISCONNECT TYPE AND ELECTRICAL CONNECTION WITH FINAL MEDICAL EQUIPMENT SELECTIONS. 2. PROVIDE ENCLOSED CIRCUIT BREAKER WITH NECESSARY SHUNTING PROVISIONS IN ORDER TO SHUNT POWER TO STEAM GENERATOR FROM EPO SWITCH. REFER TO SYMBOL LEGEND AND FLOOR

3. PROVIDE TWO (2) 3" PVC CONDUITS BETWEEN CHEMISTRY DELIVERY SYSTEM AND EACH WASHER/DISINFECTOR FOR CHEMICAL TUBE ROUTING. PROVIDE WITH PULL CORDS. REFER TO STERIS DRAWINGS FOR FINAL QUANTITIES AND ADDITIONAL REQUIREMENTS.

GENERAL NOTES: (MEDICAL EQUIPMENT CONNECTION SCHEDULE) A. EQUIPMENT LISTED MAY NOT BE UNIQUE, VERIFY QUANTITY WITH FLOOR PLANS. REFER TO DEFINITIONS BELOW FOR CLARIFICATIONS OF CONNECTION REQUIREMENTS.

B. ITEMS NOTED AS "NA" ARE NOT APPLICABLE TO THE CONNECTION. "DISCONNECT TYPE" - PROVIDE DISCONNECT/RECEPTACLE AT EQUIPMENT LOCATION AND ASSOCIATED CONNECTION TO EQUIPMENT AND BRANCH CIRCUIT: "NEMA-\_\_\_" = DUPLEX (TYP) RECEPTACLE TO ACCOMMODATE CORD AND PLUG CONNECTION (CORD AND PLUG FURNISHED WITH EQUIPMENT UNLESS NOTED OTHERWISE)

 "REC/SW" = PROVIDE 20A 120V RECEPTACLE OR 20A TOGGLE SWITCH DISCONNECT. COORDINATE REQUIRED SELECTION WITH EQUIPMENT.

"NF" = NON-FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED. 20/1 AND SMALLER SHALL BE TOGGLE SWITCH DISCONNECT.

• "F" = FUSED DISCONNECT. SIZE AND POLE QUANTITY AS INDICATED. FUSE PER MANUFACTURER'S RECOMMENDATIONS.

 "ENCL CB" = ENCLOSED CIRCUIT BREAKER DISCONNECT. SIZE, POLE QUANTITY, AND FLUSH/SURFACE MOUNTING AS INDICATED. "SHUNT ENCL CB" = SHUNT TRIP ENCLOSED CIRCUIT BREAKER DISCONNECT

 SIZE, POLE QUANTITY, AND FLUSH/SURFACE MOUNTING AS INDICATED. PROVIDE WITH INTEGRAL 120V CONTROL TRANSFORMER SERVED FROM LINE SOURCE WITH PRIMARY AND SECONDARY FUSING. COORDINATE ENCLOSURE AND COVER SIZE TO ACCOMMODATE TRANSFORMER. PROVIDE WITH EQUIPMENT GROUND BAR AND SEPARATE INSULATED ISOLATED GROUND BAR. WHERE NEUTRAL CONDUCTOR IS UTILIZED. PROVIDE SOLID NEUTRAL BAR. CONNECT SHUNT TRIP VOLTAGE SOURCE AND ACTUATOR TO ASSOCIATED EMERGENCY POWER (EPO) SWITCHES. PROVIDE

• "LOCK CB" = CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION, LOCATED IN THE SOURCE ELECTRICAL PANEL. THE PROVISIONS FOR LOCKING MUST REMAIN IN PLACE WITH OR WITHOUT THE LOCK INSTALLED.

• "INT" = DISCONNECT IS MANUFACTURED INTEGRAL TO THE EQUIPMENT.

 "HW" = HARDWIRE. DISCONNECT NOT REQUIRED. • LOCATE DISCONNECT ADJACENT TO EQUIPMENT PER NEC - PROVIDE WITH STRUT MOUNTING AS REQUIRED.

 LOCATE RECEPTACLE OR JUNCTION BOX TO DIRECTLY SERVE EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT, ARCHITECTURAL DETAILS, AND EQUIPMENT MANUFACTURER'S REQUIREMENTS. WHERE DISCONNECT SERVES OUTDOOR EQUIPMENT, PROVIDE AS NEMA-3R.

 PROVIDE DISCONNECT WITH EQUIPMENT GROUND KIT. • WHERE FEEDER INDICATED UTILIZES A NEUTRAL, PROVIDE DISCONNECT WITH SOLID NEUTRAL KIT.

 WHERE FEEDER INDICATED UTILIZES AN ISOLATED GROUND, PROVIDE DISCONNECT WITH ADDITIONAL INSULATED GROUND KIT. • DISCONNECTS NOT SHOWN AS "F" OR "NF" SHALL BE NON-FUSED.

PROVIDE CONDUCTORS AND RACEWAY AS INDICATED. TYPICAL FORMAT IS: (FEEDER TAG) (NOMINAL SIZE) CONDUCTORS AND RACEWAY REQUIRED. E. "GEN" - EQUIPMENT IS SERVED FROM A SOURCE PANEL PROVIDED WITH GENERATOR BACK-UP.

MARK	DESCRIPTION	SUBS	MANUFACTURER	CATALOG # (NOTE A)	NOMINAL LUMENS	CCT (K)	MIN. CRI	VOLTAGE	INPUT WATTS	MOUNTING	REMARKS
B1	2x2 BACKLIT PANEL - 2000 LM	Y	DAY-BRITE	2-FPZ-20L-940-2-DS-UNV-DIM	1,900	4000	90	120 V	16	CEILING RECESSED	
B2	2x2 BACKLIT PANEL - 3800 LM	Y	DAY-BRITE	2-FPZ-38L-940-2-DS-UNV-DIM	3,400	4000	90	120 V	36	CEILING RECESSED	
В3	2x4 BACKLIT PANEL - 4800 LM	Y	DAY-BRITE	2-FPZ-48L-940-4-DS-UNV-DIM	4,560	4000	90	120 V	37	CEILING RECESSED	
B4	2x4 BACKLIT PANEL - 6000 LM	Y	DAY-BRITE	2-FPZ-60L-940-4-DS-UNV-DIM	5,700	4000	90	120 V	47	CEILING RECESSED	
B5	2x4 BACKLIT PANEL - 7400 LM	Y	DAY-BRITE	2-FPZ-74L-940-4-DS-UNV-DIM	6,600	4000	90	120 V	58	CEILING RECESSED	
D2	4" DOWNLIGHT - 1000 LM	Υ	INTENSE	SD4DR-L1-409-D101-27-FL IC430-HZ-SF	900	4000	90	120 V	11	CEILING RECESSED	
D3	6" OPEN DOWNLIGHT - 1500 LM	Y	INTENSE	SD6DR-L2-409-D101-27-FL IC630-HZ-SF	1,350	4000	90	120 V	15	CEILING RECESSED	
D4	6" WET LOCATION DOWNLIGHT - 1800 LM	Υ	INTENSE	SD6DR-L3-409-D101-27-FL IC632-HZ-SF-CR	1,610	4000	90	120 V	20	CEILING RECESSED	
D5	4.5" SURGICAL DOWNLIGHT - 2000 LM	Р	HE WILLIAMS	HM4DR-TL-L20/940-DIM1-UNV-L-W-OF-WH-AD-N	1,650	4000	90	120 V	27	CEILING RECESSED	
H1	2x4 SURGICAL TROFFER	Р	L.C. DOANE	HRA-24-6W155-40-90-C-W-VAR-DM-122-AH	11,460	4000	90	120 V	125	CEILING RECESSED	
K1	4' LENSED STRIP	Υ	DAY-BRITE	FSX-4-40L-840-UN	3,950	4000	80	120 V	32	CEILING SUSPENDED	3
SR1	2" LINEAR - WALLWASH - 4'	Υ	FINELITE	HP-2-R-WW-D-4'-V-940-K-SW-277-SC-FC-10%	1,180	4000	90	120 V	20	CEILING RECESSED	4
SR3	2" LINEAR - DIFFUSE - 4'	Υ	FINELITE	HP-2-R-D-4'-B-940-F-96LG-277-SC-FC-10%	1,330	4000	90	120 V	20	CEILING RECESSED	4
V1	2' VANITY LIGHT	Р	SAL (SCOTT)	S3720-L16-40K-**	1,160	4000	90	120 V	16	WALL SURFACE	2
W1	EXTERIOR WALL SCONCE	Υ	GARDCO	PWS-48L-300-NW-G2-3-UNV-DD-**	6,300	4000	70	120 V	47	WALL SURFACE	2
X1	EDGE-LIT EXIT - SINGLE FACE - CEILING	Υ	BEGHELLI	OL2-HT-LR-1-M-CR		RED		120 V	1	SURFACE/RECESSED	1
X2	EDGE-LIT EXIT - DUAL FACE - CEILING	Υ	BEGHELLI	OL2-HT-LR-2-3-CR		RED		120 V	1	SURFACE/RECESSED	1
X3	EDGE-LITE EXIT - SINGLE FACE - WALL	Y	BEGHELLI	OL2-HT-LR-1-M-WS		RED		120 V	1	WALL SURFACE	1

LLIMINAIRE SCHEDLILE

1. EXIT SIGNS - REFER TO ELECTRICAL PLANS FOR DIRECTION INDICATORS AND MOUNTING TYPE 2. WALL MOUNTING - COORDINATE EXACT LOCATION WITH ARCHITECT AND ARCHITECTURAL DETAILS. COORDINATE FRAMING

AND BOX SUPPORTS PRIOR TO ROUGH-IN FOR EXACT PLACEMENT OF BOX TO ACHIEVE CENTERING AND ALIGNMENT WITH FINAL ARCHITECTURAL FINISHES. 3. PENDANT/SUSPENSION MOUNTING - COORDINATE EXACT LOCATION, MOUNTING ELEVATION, AND REQUIRED

PENDANT/SUSPENSION LENGTH WITH ARCHITECT AND ARCHITECTURAL DETAILS. 4. GYP CEILING MOUNTING - PROVIDE WITH MANUFACTURER'S FLANGE MOUNTING KIT/ACCESSORY(S) TO ALLOW FOR RECESSED MOUNTING OF LUMINAIRE WITHIN GYP CEILING.

A. CATALOG NUMBER VERIFICATION - CONTRACTOR SHALL VERIFY LIGHTING FIXTURE INSTALLATION REQUIREMENTS AND CATALOG NUMBER PRIOR TO ORDERING. B. SUBSTITUTIONS - WHERE INDICATED WITH 'N' (NO), NO SUBSTITUTIONS WILL BE ACCEPTED. WHERE INDICATED WITH 'P' (PRIOR APPROVAL), SUBSTITUTIONS MUST BE APPROVED PRIOR TO BID WITH ACCEPTANCE ISSUED BY ADDENDUM. WHERE INDICATED WITH 'Y' (YES). THE FOLLOWING MANUFACTURER'S ARE CONSIDERED ACCEPTABLE EQUIVALENT MANUFACTURER'S, PROVIDED THE EQUIVALENT FIXTURE IS OF THE SAME QUALITY, EFFICIENCY, PERFORMANCE AND CHARACTERISTICS AS THAT SCHEDULED:

 ACUITY BRANDS EATON/COOPER BRANDS 3. HUBBELL

4. WILLIAMS 5 PHILLIPS/SIGNIFY BRANDS

C. DOWNLIGHT - PROVIDE DOWNLIGHT REFLECTOR FINISH/COLOR AS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE SELECT CEILING TRIM FINISH/COLOR TO COORDINATE WITH CEILING TYPE. "WHITE" TRIM FOR DOWNLIGHTS MOUNTED IN WHITE ACOUSTICAL TILE CEILINGS. "CLEAR" (TO MATCH REFLECTOR FINISH/COLOR) FOR DOWNLIGHTS MOUNTED

IN PAINTED GYPSUM BOARD CEILINGS. D. FIXTURE FINISH - WHERE CATALOG NUMBER LISTED INDICATES 1\*\* IN LIEU OF MANUFACTURER'S FINISH OPTION, COORDINATE WITH ARCHITECT FOR EXACT FINISH PRIOR TO ORDERING.

	LIGHT	ING CO	NTROL	SEQUE	NCE OF	OPERATIO	ONS		
		OCCUPANCY SENSOR							
			TIME		AUTO OFF		RECEPTACLE		
TAG	SPACE TYPE	TYPE	DELAY	%	%	NETWORK	CONTROL	CONTROL	REMARKS
CORR	CORRIDOR/VESTIBULE	IR-L	20 / 5	100 / 50	20 / 0	Υ	N	А	
EXT	EXTERIOR/SITE	N	-	100 / *	*/0	Υ	-	В	
FA5	FINE MOTION - AUTO ON - 5 MINUTE	DT-F	5	100	0	Υ	N	-	
FA20	FINE MOTION - AUTO ON - 20 MINUTE	DT-F	20	100	0	Υ	N	-	
FP10	FINE MOTION - PARTIAL AUTO ON - 20 MINUTE	DT-F	10	50	0	Υ	N	-	
FP20	FINE MOTION - PARTIAL AUTO ON - 20 MINUTE	DT-F	20	50	0	Υ	N	-	
LA5	LARGE MOTION - AUTO ON - 5 MINUTE	DT-L	5	100	0	Υ	N	-	
LM5	LARGE MOTION - MANUAL ON - 5 MINUTE	DT-L	5	M	0	Υ	N	-	
MEP	MECHANICAL / ELECTRICAL	N	-	-	-	Υ	N	-	NOTE 1
PAT	PATIENT CARE / PROCEDURE	N	-	-	-	Υ	N	-	NOTE 1
RSTM	RESTROOM - MULTI OCCUPANT	DT-L	15	100	0	Υ	N	-	
RSTS	RESTROOM - SINGLE OCCUPANT	IR-F	5	100	0	Υ	N	-	

## DEMARKS: (LICHTING CONTROL SECLIENCE OF ODERATIONS) 1. NO AUTOMATIC CONTROLS WITHIN THIS SPACE.

GENERAL NOTES: (LIGHTING CONTROL SEQUENCE OF OPERATIONS) A. WHERE MULTIPLE CONTROL ZONES ARE INDICATED WITHIN A SPACE, THE 'AUTO ON' AND 'AUTO OFF' FUNCTIONS SHALL INCLUDE ALL CONTROL ZONES WITHIN THE SPACE

B. DAYLIGHT HARVESTING - REFER TO LIGHTING CONTROL PLAN FOR DAYLIGHT ZONES REQUIRING PHOTOCELL CONTROL AND THEIR ASSOCIATED LIGHTING SET POINTS. TARGET

ILLUMINANCE LEVELS SHALL BE MEASURED AT THE WORK PLANE OF THE PRIMARY TASK WITHIN THE SPACE. C. OCCUPANCY SENSOR - PROVIDE OCCUPANCY SENSOR TYPE AS INDICATED BELOW. OCCUPANCY SENSORS SHALL BE CEILING MOUNTED UNLESS SPECIFICALLY INDICATED

N = NO OCCUPANCY SENSOR(S)

 IR = PASSIVE INFRARED DT = DUAL-TECHNOLOGY

SENSOR OPTIONS: F = FINE MOTION - CAPABLE OF DETECTING HAND MOTION L = LARGE MOTION - CAPABLE OF DETECTING WALKING MOTION

 LTHH = LOW TEMPERATURE/HIGH HUMIDITY HB = HIGH BAY

 0 = OUTDOOR D. AUTO ON % - WHEN OCCUPANCY IS DETECTED WITHIN SPACE, ROOM LIGHTING SHALL BE TURNED ON TO SPECIFIED LIGHT LEVEL. WHERE INDICATED WITH 'M', ROOM SHALL BE

E. AUTO OFF % - WHEN SPECIFIED SENSOR TIME DELAY IS REACHED, ROOM LIGHTING SHALL BE REDUCED TO SPECIFIED LIGHT LEVEL. WHERE INDICATED AS ZERO PERCENT,

ROOM LIGHTING SHALL BE SWITCHED OFF. F. NETWORK – NETWORKED LIGHTING CONTROL SYSTEM INTERCOMMUNICATION:

1. Y = PROVIDE NETWORK COMMUNICATIONS BETWEEN CONTROL DEVICES LIGHTING CONTROL SYSTEM HEAD END 2. N = CONNECTION TO SYSTEM HEAD END NOT REQUIRED G. RECEPTACLE CONTROL – OCCUPANCY SENSOR CONTROL OF SELECTED ROOM RECEPTACLES:

OTHERWISE. REFER TO LIGHTING CONTROL WALL DEVICE SCHEDULE FOR WALL MOUNTED OCCUPANCY SENSOR SWITCHES.

1. Y = OCCUPANCY SENSOR SHALL SWITCH OFF INDICATED RECEPTACLES 20 MINUTES AFTER ALL OCCUPANTS HAVE VACATED SPACE 2. N = RECEPTACLE CONTROL NOT REQUIRED IN SPACE H. SCHEDULE CONTROL - NORMAL BUSINESS HOURS SHALL BE CONSIDERED 9:00 AM TO 4:00 PM. COORDINATE EXACT BUSINESS HOURS WITH BUILDING OWNER DURING

1. WHERE THE SEQUENCE INDICATES MULTIPLE SET POINT VALUES (TIME DELAY, AUTO ON %, AUTO OFF %), EACH VALUE SHALL BE THE SET POINT AT THE CORRESPONDING SCHEDULED TIMES INDICATED BELOW. FOR EXAMPLE, A TIME DELAY INDICATED AS 20 / 5 WITH A CORRESPONDING SCHEDULE OF 8:00 AM TO 5:00 PM / 5:00 PM TO 8:00 AM SHALL REQUIRE A 20 MINUTE DELAY FROM 8:00 AM TO 5:00 PM AND A 5 MINUTE DELAY FROM 5:00 PM TO 8:00 AM. 2. PROJECT SCHEDULES:

 SCHEDULE 'A' - 7:30 AM TO 5:30 PM / 5:30 PM TO 7:30 AM SCHEDULE 'B' - 15 MINUTES PRIOR TO DUSK TO 15 MINUTES AFTER DAWN / 15 MINUTES AFTER DAWN TO 15 MINUTES BEFORE DUSK

LIGHTING CONTROL WALL DEVICE SCHEDULE										
KEYPAD DESCRIPTION		REQUIRED BUTTON FUNCTIONS								
NO MARK	SINGLE ZONE - ON/OFF	ON @ 100%, OFF								
1D	SINGLE ZONE - CONTINUOUS DIMMING	ON @ 100%, RAISE, LOWER, OFF								
W	SINGLE ZONE - ON/OFF - WALL OCCUPANCY SENSOR	ON @ 100%, OFF INTEGRAL OCC. SENSOR								

GENERAL NOTES (LIGHTING CONTROL DEVICE SCHEDULES):

1. 'ON' AND 'OFF' FUNCTIONS MAY BE COMBINED TO A SINGLE 'ON/OFF' BUTTON. 'RAISE' AND 'LOWER' FUNCTIONS MUST BE PROVIDED WITH DEDICATED BUTTONS, 'HOLD TO DIM' FUNCTIONALITY IS NOT ALLOWED.

2. SEE LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR ADDITIONAL INFORMATION. . SUBMIT PROPOSED LOW VOLTAGE SWITCH BUTTON CONFIGURATIONS FOR ALL LOW VOLTAGE SWITCHES, CLEARLY IDENTIFYING ANY DEVIATIONS THAT NEED TO BE MADE DUE TO SWITCH CONFIGURATION OR ENGRAVING CONSTRAINTS FOR APPROVAL, IF SUBMITTED BUTTON CONFIGURATIONS DO NOT MEET DESIGN INTENT, ADDITIONAL LOW

VOLTAGE SWITCHES MAY BE REQUIRED. 4. WHERE TASK TUNING LIGHT LEVELS ARE NOT SPECIFIED, 'ON' OR 'OCCUPIED' SHALL BE 100% OUTPUT WHILE 'OFF' OR 'UNOCCUPIED' SHALL BE 0% OUTPUT.

COORDINATION	ON OF WC	RK SCHE	DULE	
ITEM	SUPPLIER	INSTALLER	POWER	CONTROL
MOTORS	MC	MC (3)	EC	CC
MOTOR CONTROL CENTER	EC	EC	EC	CC
EQUIPMENT MOUNTED ELECTRICAL COMPONENTS	MC	MC	EC	CC
LOOSE MOUNTED ELECTRICAL COMPONENTS	EC	EC	EC	CC
CONTROL RELAYS, TRANSFORMERS, POWER	MC	EC	EC (4)	CC
120V THERMOSTATS	MC	MC	MC	CC (1)
TEMPERATURE CONTROL SENSORS	MC	MC	CC	CC
TEMPERATURE CONTROL PANELS	MC	CC	EC (4)	CC
VARIABLE SPEED DRIVES	MC	MC	EC	CC
TERMINAL BOX CONTROLS	MC	MC	EC (4)	CC
PE/EP SWITCHES, SOLENOID VALVES, ACTUATORS	CC	CC	EC (4)	CC
PUSHBUTTON STATIONS	EC	EC	EC (4)	EC
ELECTRIC HEATERS	MC	MC	EC	EC
DX CONDENSING UNITS AND CONDENSERS	MC	MC	EC	CC (1)
EMARKS: MEDICAL GAS ALARM WIRING	MC	MC	EC	MC (2)

 IF NO CC IN CONTRACT, MC TO WIRE CONTROLS AND EC TO PIPE CONDUIT. 2. ALL LOW VOLTAGE WIRING OF PANELS TO BE COVERED IN MC BID, WIRING CONTRACTOR TO BE SUBCONTRACTOR TO

3. INSTALLING CONTRACTOR IS RESPONSIBLE FOR FIELD ALIGNMENT SERVICES WHEN REQUIRED BY COMMON MOTOR REQUIREMENTS SPECIFICATION OR BY INDIVIDUAL EQUIPMENT SPECIFICATIONS. 4. ALL HARDWARE, SOFTWARE, EQUIPMENT, ACCESSORIES, WIRING (POWER AND SENSOR), PIPING, RELAYS, SENSORS, POWER SUPPLIES, TRANSFORMERS, AND INSTRUMENTATION REQUIRED FOR A COMPLETE AND OPERATIONAL DDC

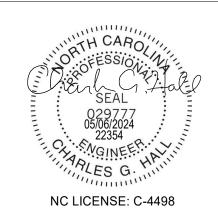
SYSTEM, BUT NOT SHOWN ON THE ELECTRICAL DRAWINGS, ARE THE RESPONSIBILITY OF THE CC.

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