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Design with Purpose. Build with Confidence

TSA PROJECT 06054.034

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SIOUX FALLS, SD E-000

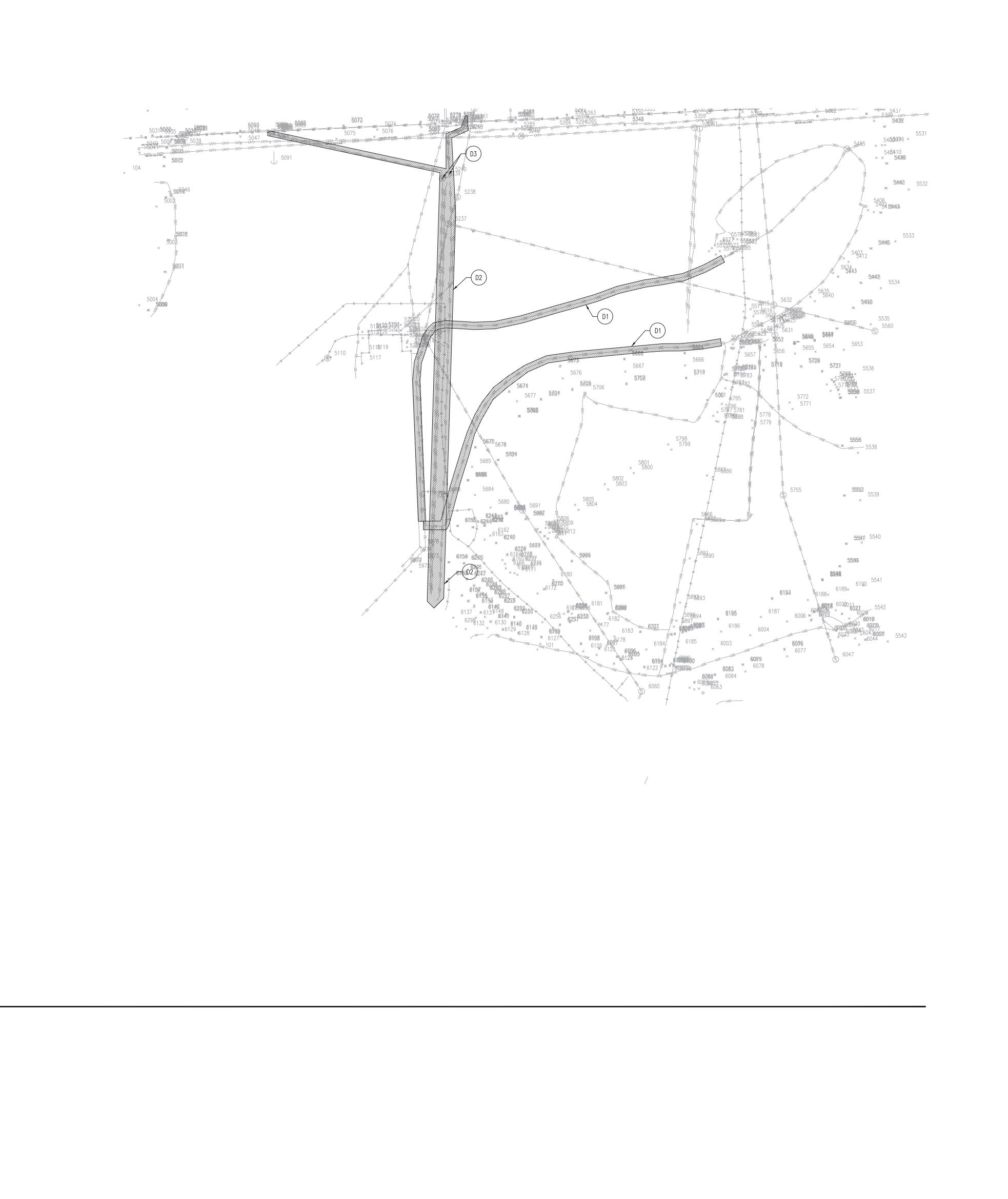
MTB

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06/30/2021

Management

Department of Veterans Affairs





- A. SEE CIVIL SHEETS FOR EXACT AREAS AFFECTED BY THE DEMOLITION AND CONSTRUCTION.
- B. DEMOLITION SHOWN IS AS REQUIRED FOR THE COMPLETE PROJECT. COORDINATE DEMOLITION WORK WITH THI WORK OF OTHER TRADES.
- C. ALL OF THE UTILITIES SHOWN ON THIS DRAWING ARE EXISTING. THE LOCATIONS OF THE EQUIPMENT AND DEVICES WERE OBTAINED FROM EXISTING DRAWINGS AND FIELD INVESTIGATIONS. THE LOCATIONS ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. ACCURACY OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. SITE VISITS PRIOR TO SUBMISSION OF BIDS NEED TO BE FULLY COORDINATED WITH OWNER.

THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIALS. ANY MATERIAL THE OWNER CHOOSES

- NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

 F. PROVIDE MINIMUM [10] DAYS ADVANCE NOTICE OF OUTAGES. COORDINATE WITH OWNER FOR ALL ANTICIPATED OUTAGES. OWNER HAS FINAL APPROVAL ON TIME AND EXTENT OF POWER OUTAGE.
- CIRCUIT INFORMATION FOR ALL AFFECTED CIRCUITS SHALL BE VERIFIED PRIOR TO COMMENCING WORK.

REFERENCED SITE DEMOLITION NOTES:(XXX)

- 1. SITE LIGHTING CIRCUIT. REMOVE CONDUIT AND CONDUCTORS AS REQUIRED FOR CONSTRUCTION. EXISTING CONDUIT NOT REMOVED MAY BE RE-USED FOR REINSTALLATION OF LIGHTING CIRCUIT. CIRCUITS TO BE RE-ROUTED PRIOR TO SITE SURCHARGE.
- 2. EXISTING CATV / TELEPHONE LINES TO BE REMOVED. REMOVE CABLING WITHIN BUILDINGS 1 & 5. SEE SHEET EC103 FOR ENLARGED PLANS OF BUILDINGS 1 & 5.
- 3. EXISTING SIGNAL MANHOLES TO BE REMOVED. CONDUIT EXTENDING TO PROVIDER PEDESTALS TO BE REMOVED. COORDINATE WITH PROVIDER(S).

NORTH

Drawing Title
SITE PLAN - ELECTRICAL DEMOLITION Project Title
CONSTRUCT CLC COTTAGE - HOSPICE Project Number ARCHITECT/ENGINEERS: CONSULTANTS: Office of 438-420 Construction Building Number SCHEMMER and Facilities 12094 JOSEPH C. BINGE Drawing Number Location Management SIOUX FALLS, SD Design with Purpose. Build with Confidence. Checked Drawn TSA PROJECT NO.: 06054.034 06/30/2021 Dwg. 77 of 90

SITE PLAN - ELECTRICAL DEMOLITION

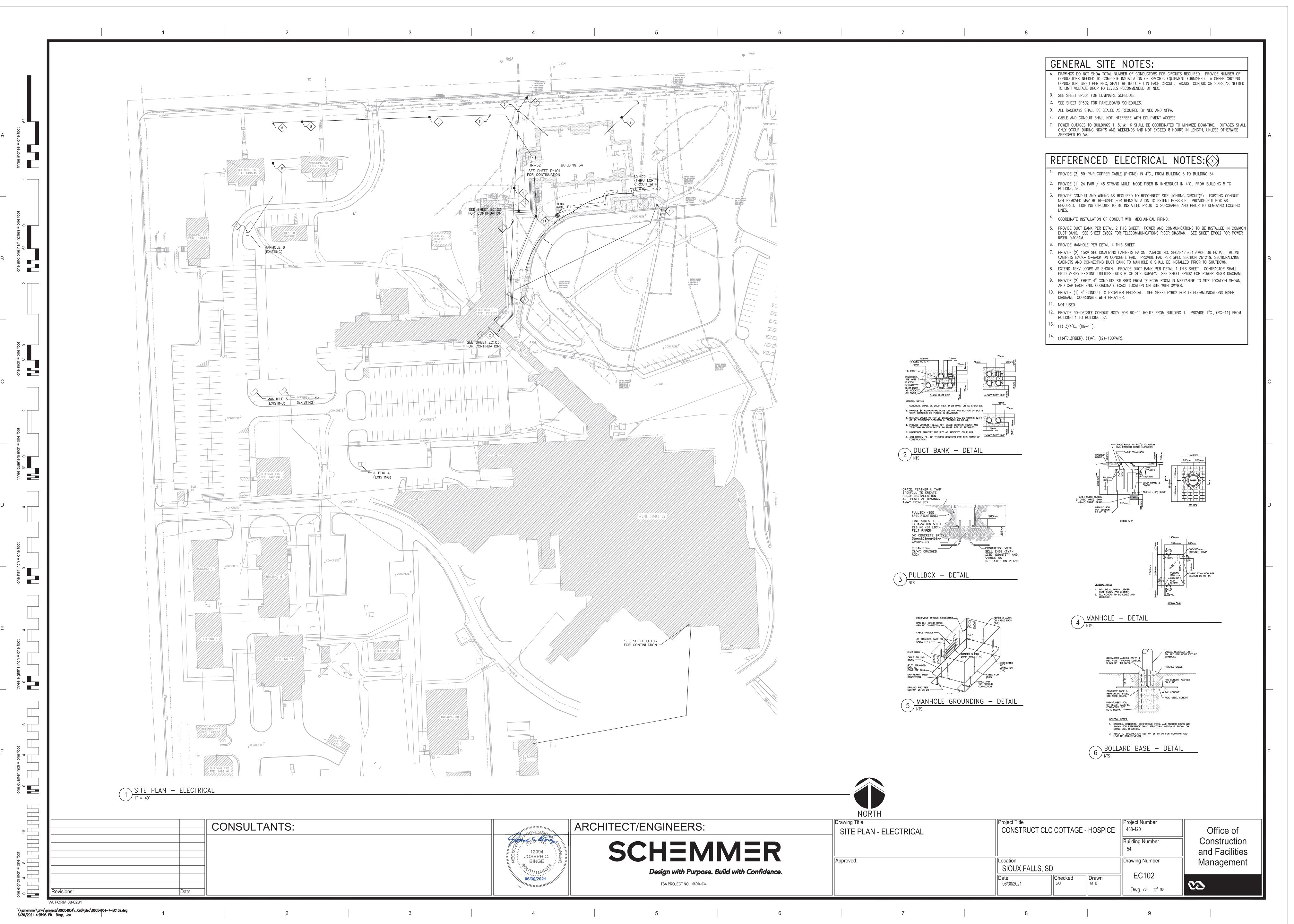
one eighth inch = one toot

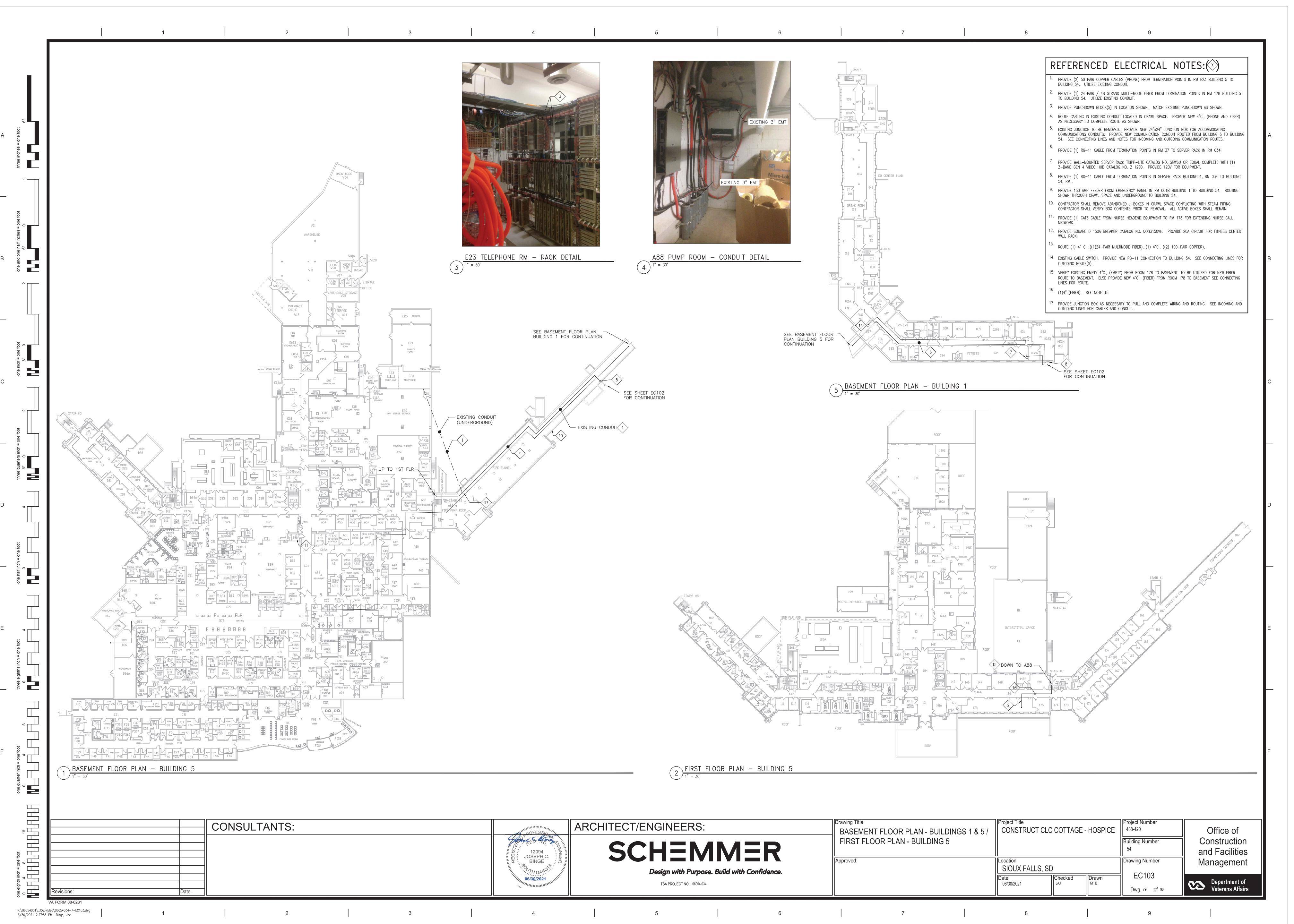
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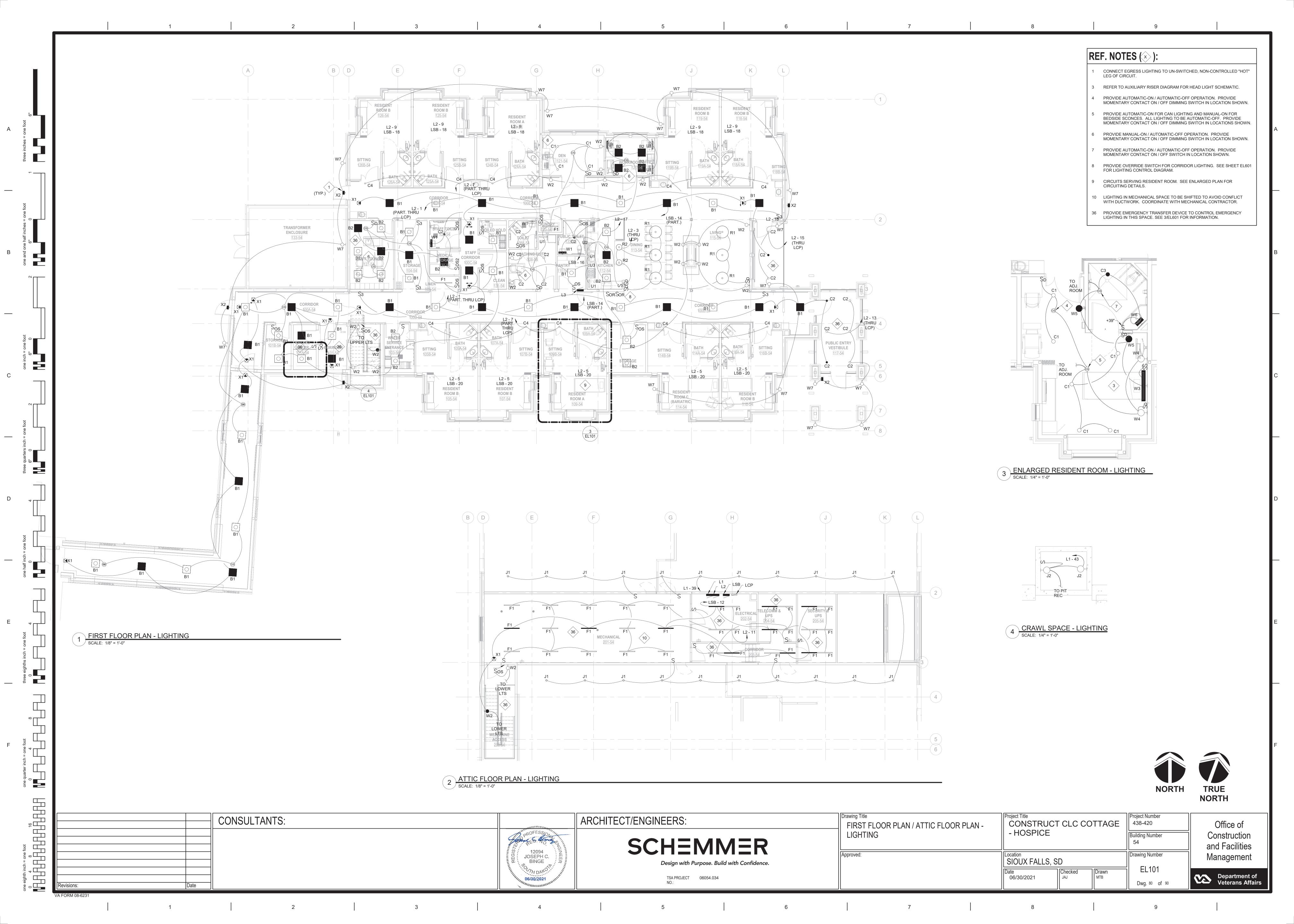
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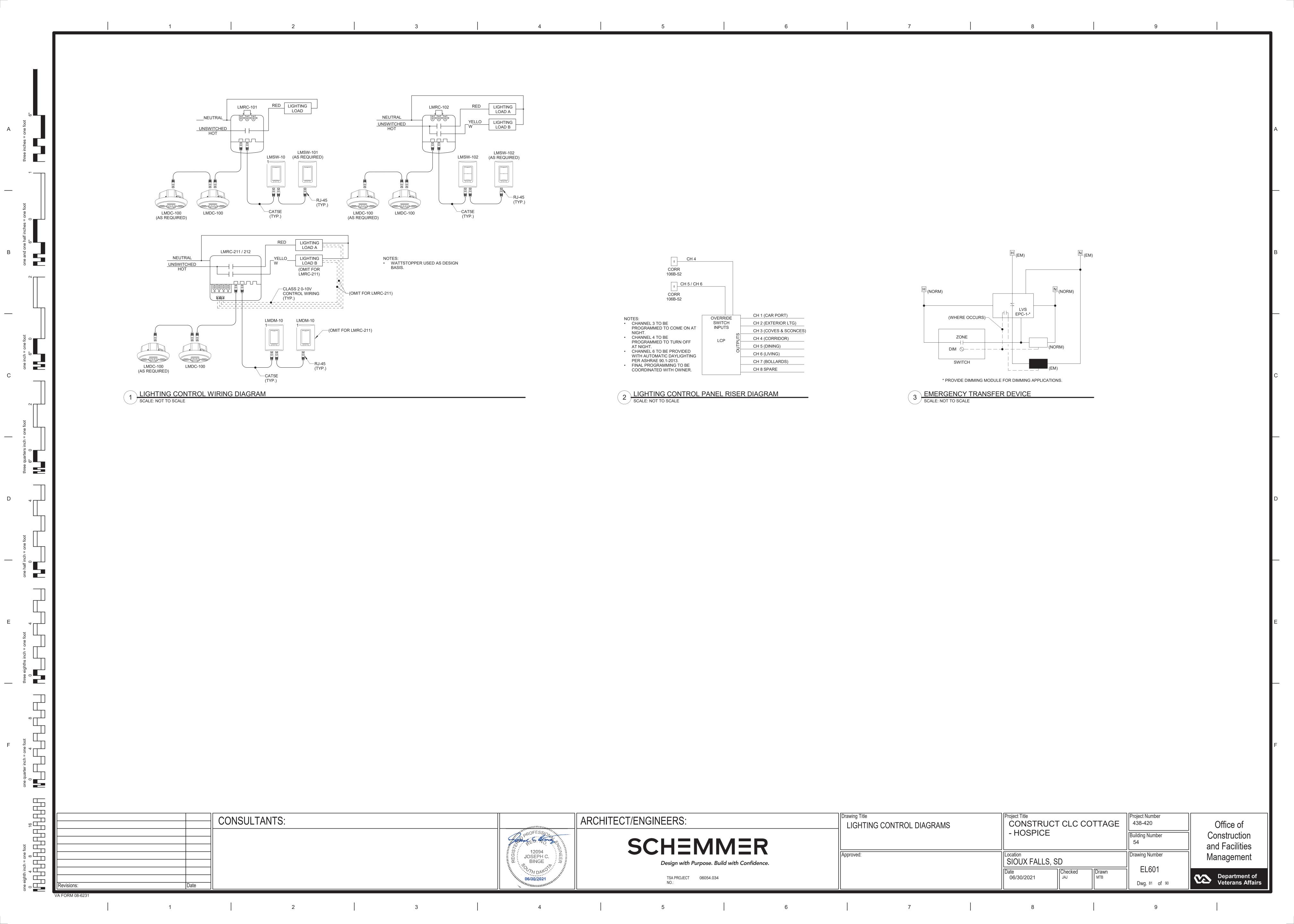
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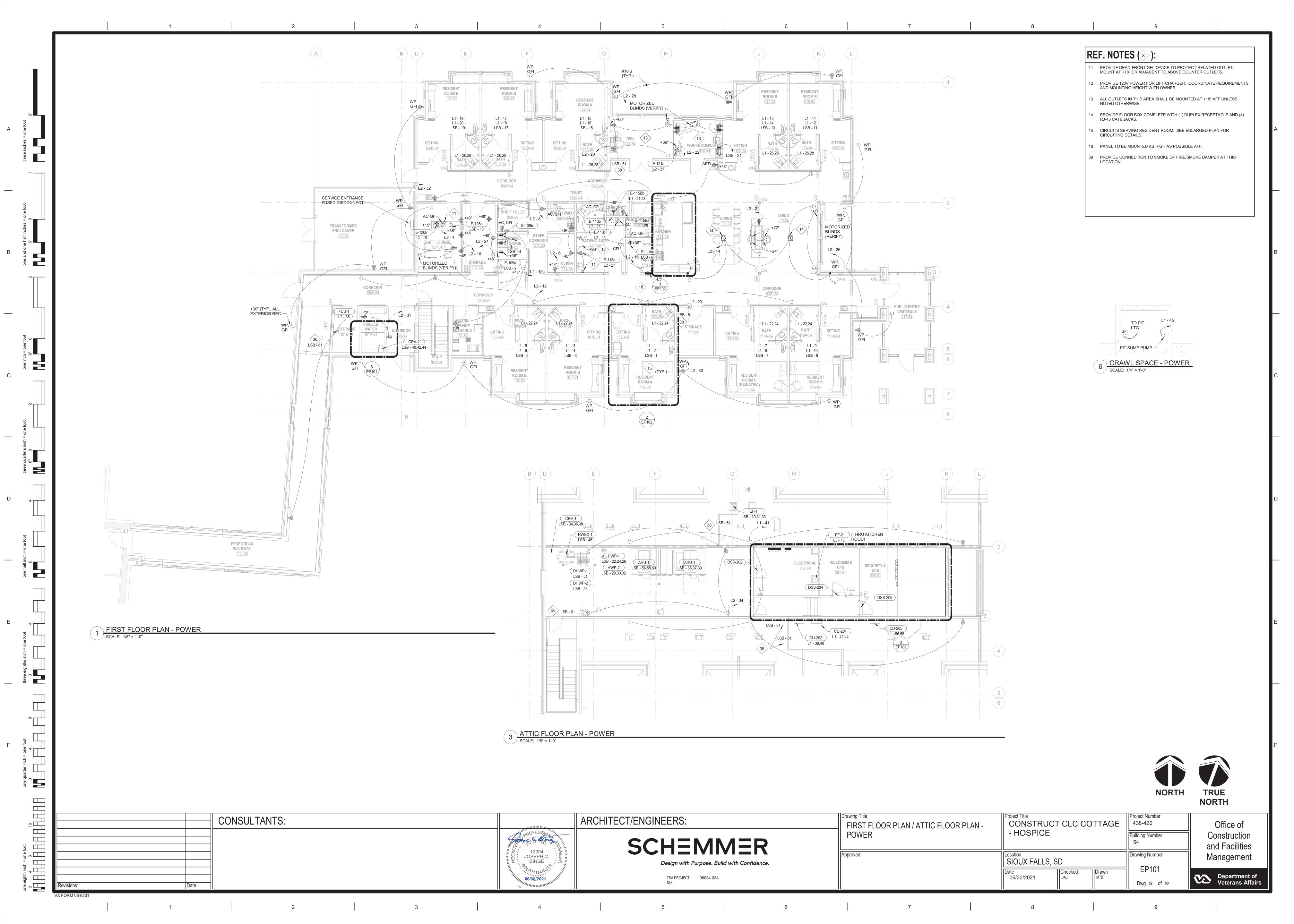
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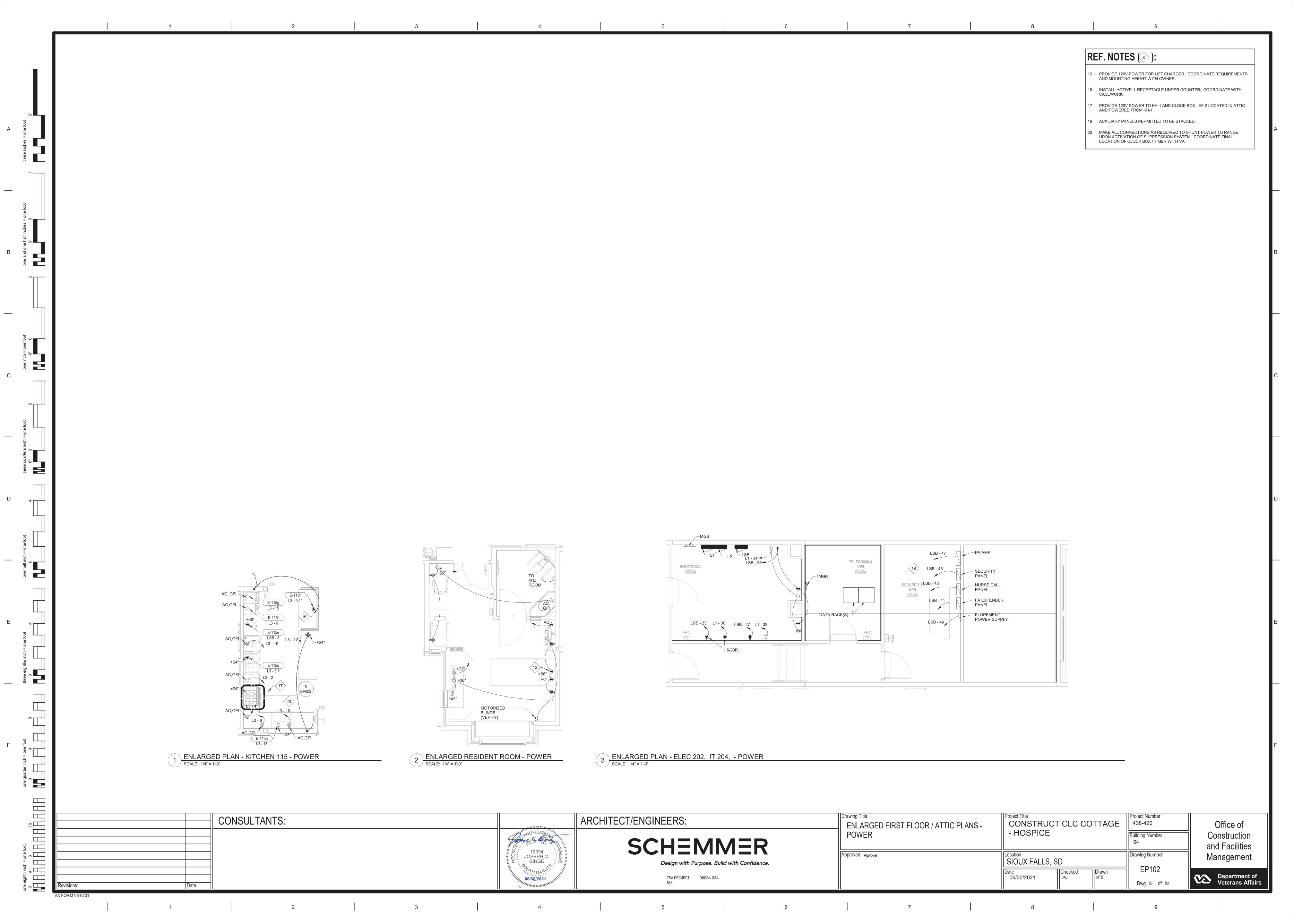












EQUIPMENT SCHEDULE															
							STARTER		DI	DISCONNECT			RECEPT		
DEVICE	DEVICE DESCRIPTION	VOLTAGE	PH	KW	FLA	HP	TYPE	SIZE	TYPE	SIZE	FUSE	PLUG CONFIG	CONFIG	FEEDER SIZE	NOTES
AHU-1	AIR HANDLING UNIT SUPPLY FAN	208 V	3	-	56	(2) 7.5	-	-	FD	200/3	110	-	-	3#4, 1#6G - 1"C	
AHU-1	AIR HANDLING UNIT RETURN FAN	208 V	3	-	22	(2) 3	-	-	FD	60/3	45	-	-	3#10, 1#10G - 3/4"C	
CRV-1	CONDENSATE PUMP PACKAGE	208 V	3	-	-	(2) 1/3	-	-	-	-	-	-	-	3#12, 1#12G - 3/4"C	
CRV-2	CONDENSATE PUMP PACKAGE	208 V	3	-	-	(2) 1/2	-	-	-	-	-	-	-	3#12, 1#12G - 3/4"C	
CU-202	DUCTLESS SPLIT	208 V	1	-	10	-	-	-	NFD	30/2	-	-	-	2#12, 1#12G - 3/4"C	4
CU-204	DUCTLESS SPLIT	208 V	1	-	10	-	-	-	NFD	30/2	-	-	-	2#12, 1#12G - 3/4"C	4
CU-205	DUCTLESS SPLIT	208 V	1	-	10	-	-	-	NFD	30/2	-	-	-	2#12, 1#12G - 3/4"C	4
DHWP-1	DOMESTIC HOT WATER PUMP	120 V	1	-	5.8	1/4	-	-	-	-	-	-	-	2#12, 1#12G - 3/4"C	5
DHWP-2	DOMESTIC HOT WATER PUMP	120 V	1	-	5.8	1/4	-	-	-	-	-	-	-	2#12, 1#12G - 3/4"C	5
E-115Bb	DRYER	208 V	1	5	-	-	-	-	-	-	-	-	14-30R	2#10, 1#10G - 3/4"C	
E-115c	RANGE	208 V	1	8	-	-	-	-	-	-	-	-	14-50R	2#8, 1#10G - 3/4"C	1
E-115d	DISHWASHER	208 V	1	7	34	-	-	-	-	-	-	-	14-50R	2#8, 1#10G - 3/4"C	
E-115h	HOT WELL	208 V	1	3.6	17.3	-	-	-	-	-	-	-	14-30R	2#10, 1#10G - 3/4"C	
ECH	ELECTRIC COVE HEATER	208 V	1	.450	2.2	-	-	-	-	-	-	-	-	2#12, 1#12G - 3/4"C	2
EF-1	EXHAUST FAN	208 V	3	-	4.6	1	FVNR	1	CS/FD	30/3	9	-	-	3#12, 1#12G - 3/4"C	
EF-2	KITCHEN EXHAUST	120 V	1	-	-	-	-	-	-	-	-	-	-	-	3
FCU-1	FAN COIL UNIT	120 V	1						SFT	15	1.5			2#12, 1#12G - 3/4"C	
HWEX-1	HEAT EXCHANGER	120 V	1	-	7	-	-	-	-	-	-	-	-	2#12, 1#12G - 3/4"C	6
HWP-1	HOT WATER PUMP	208 V	3	-	3.5	3/4	FVNR	1	CS/FD	30/3	7	-	-	3#12, 1#12G - 3/4"C	
HWP-2	HOT WATER PUMP	208 V	3	-	3.5	3/4	FVNR	1	CS/FD	30/3	7	-	-	3#12, 1#12G - 3/4"C	

GENERAL EQUIPMENT SCHEDULE NOTES:

- A MOUNT ALL DISCONNECTS AND STARTERS ON UNIT UNLESS SHOWN OTHERWISE. MOUNT ALL WITH CLEARANCES AS PER NEC COORDINATE
- B SFT = FUSETRON BOX COVER UNIT (BUSS #SSU OR EQUAL) WITH FUSE.

C STE = THERMAL ELEMENT SWITCH. PROVIDE THERMAL UNIT. **D** EXP = DEVICE TO BE EXPLOSION-PROOF.

- **E** FVNR = FULL VOLTAGE NON-REVERSING MOTOR STARTER.
- **F** CS/NFD, FD = COMBINATION STARTER/ NON OR FUSED DISCONNECT
- **G** NFD OR FD = NON OR FUSED DISCONNECT SWITCH.
- H ALL SWITCHES, DISCONNECTS, ETC SHALL BE LOCKABLE.
- J ALL SWITCHES, DISCONNECTS, ETC SHALL BE NEMA 3R WHERE REQUIRED.
- K PROVIDE FUSES AS SHOWN; REVISE SIZES PER ACTUAL NAMEPLATE
- L STARTER ACCESSORIES:

or its eignin incn = one root

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- 1) CONTROL TRANSFORMER
- 2) H-O-A SWITCH 3) GREEN RUN; RED STOP LIGHT

4) 2 NO CONTACTS; 2 NC CONTACTS

EQUIPMENT SCHEDULE NOTES:

FROM KITCHEN HOOD.

- MAKE ALL CONNECTIONS AS REQUIRED WITH HOOD / SUPPRESSION SYSTEM TO SHUNT POWER TO RANGE UPON ACTIVATION OF SUPPRESSION SYSTEM. COORDINATE FINAL LOCATION OF CLOCK BOX / DISPLAY WITH VA.
- 2 PROVIDE BERKO COVE HEATER CATALOG NO. RCC4508C COMPLETE
- WITH INTEGRAL THERMOSTAT CATALOG NO. RCCT. 3 EXHAUST FAN CONDUCTORS FURNISHED WITH KH-1. FAN POWERED
- 4 INDOOR UNIT FED FROM OUTDOOR UNIT. PROVIDE ALL WIRING, CONDUIT, DISCONNECTS, ETC. AS REQUIRED FOR OPERATOIN.
- COORDINATE WITH MANUFACTURER'S DATA. 5 PROVIDE FRACTIONAL HORSEPOWER STARTER WITH GREEN PILOT
- LIGHT AND H-O-A SELECTOR SWITCH. 6 PROVIDE BASIC TOGGLE SWITCH AS DISCONNECT.

LUMINAIRE SCHEDULE										
			LAMPS							
TYPE NO B1	DESCRIPTION / SPEC NO 2X2 DIRECT / INDIRECT - LED	NO -	WATTS	TYPES LED	TOTAL WATTS	BALLAST MFGR AND TYPE	VOLT 120 V	MOUNTING RECESSED	NOTES	
D1	METALUX 22CZ2-24-UNV-L840-CD1-U	_	_	LLD			120 V			
B2	2X2 DIRECT / INDIRECT - LED METALUX 22CZ2-39-UNV-L840-CD1-U	-	-	LED	32	-	120 V	RECESSED		
C1	6" DOWNLIGHT - LED CREE KR613L40K12010V + KR6TSSGCFF	-	-	LED	18	-	120 V	RECESSED	1	
C2	6" DOWNLIGHT - LED CREE KR620L40K12010V + KR6TSSGCFF	-	-	LED	30	-	120 V	RECESSED	1	
C3	6" DOWNLIGHT - LED CREE KR630L40K12010V + KR6TSSGCFF	-	-	LED	39	-	120 V	RECESSED	1	
C4	4" DOWNLIGHT - LED CREE KR413L40K12010V + KR4TSSGCFF	-	-	LED	18	-	120 V	RECESSED		
F1	4' SURFACE MOUNT - LED CREE LS425L40K10V	-	-	LED	23	-	120 V	SURFACE		
J1	JELLY JAR PROGRESS LIGHTING P5603-30	1	60	LED A19/E26/841	8	-	120 V	CONDUIT		
J2	JELLY JAR - WET LOCATION CANLET CSWIOG09	1	60	LED A19/E26/841	8	-	120 V	WALL		
P1	POLE LIGHT CREE ARE-EDG-3M-VA-06-E-UL-BZ-525-P	-	-	LED	316	-	120 V	BOLLARD	20' POLE	
R1	38" ROUND PENDANT - LED XAL N67774203857240K0O7	-	-	LED	61	-	120 V	PENDANT	2	
R2	18" ROUND PENDANT - LED XAL N67774101827240K0O7	-	-	LED	10	-	120 V	PENDANT	2	
U1	2' UNDERCABINET - LED PROGRESS LIGHTING P7013-30	-	-	LED	12	-	120 V	UNDERCABINET		
U2	18" UNDERCABINET - LED PROGRESS LIGHTING P7005-30	-	-	LED	9	-	120 V	UNDERCABINET		
U3	9" UNDERCABINET - LED PROGRESS LIGHTING P7002-30	-	-	LED	7	-	120 V	UNDERCABINET		
W1	2' WALL MOUNT - LED KENALL MLHA5V24FMWPP125L40KDCC1120	-	-	LED	25	-	120 V	WALL		
W2	WALL SCONCE - LED KENALL MAS813PANASMW112L40KDCCDV	-	-	LED	14	-	120 V	WALL		
W3	EXAM LIGHT - LED KENALL MPWUD48MWFA1/145L40KDCCDV	-	-	LED	100	-	120 V	WALL		
W4	WALL SCONCE - LED KENALL MAS813PANASMW112L35KDCCDV	-	-	LED	14	-	120 V	WALL		
W5	NIGHT LIGHT - LED LEGRAND TMHWL-ECC	-	-	LED	1	-	120 V	RECESSED IN WALL	3	
W6	BATHROOM VANITY - LED BETA CALCO 326122WHDB	-	-	LED	16	-	120 V	WALL		
W7	WALL SCONCE - LED KENALL MLAS826PANASMB125L40KDCCDV	-	-	LED	25	-	120 V	WALL		
X1	EXIT - LED SURE-LITES APX6R	-	-	LED	5	-	120 V	CEILING	4	
X2	EGRESS - LED DUAL LITE PGBHTR	-	-	LED	16	-	120 V	WALL		

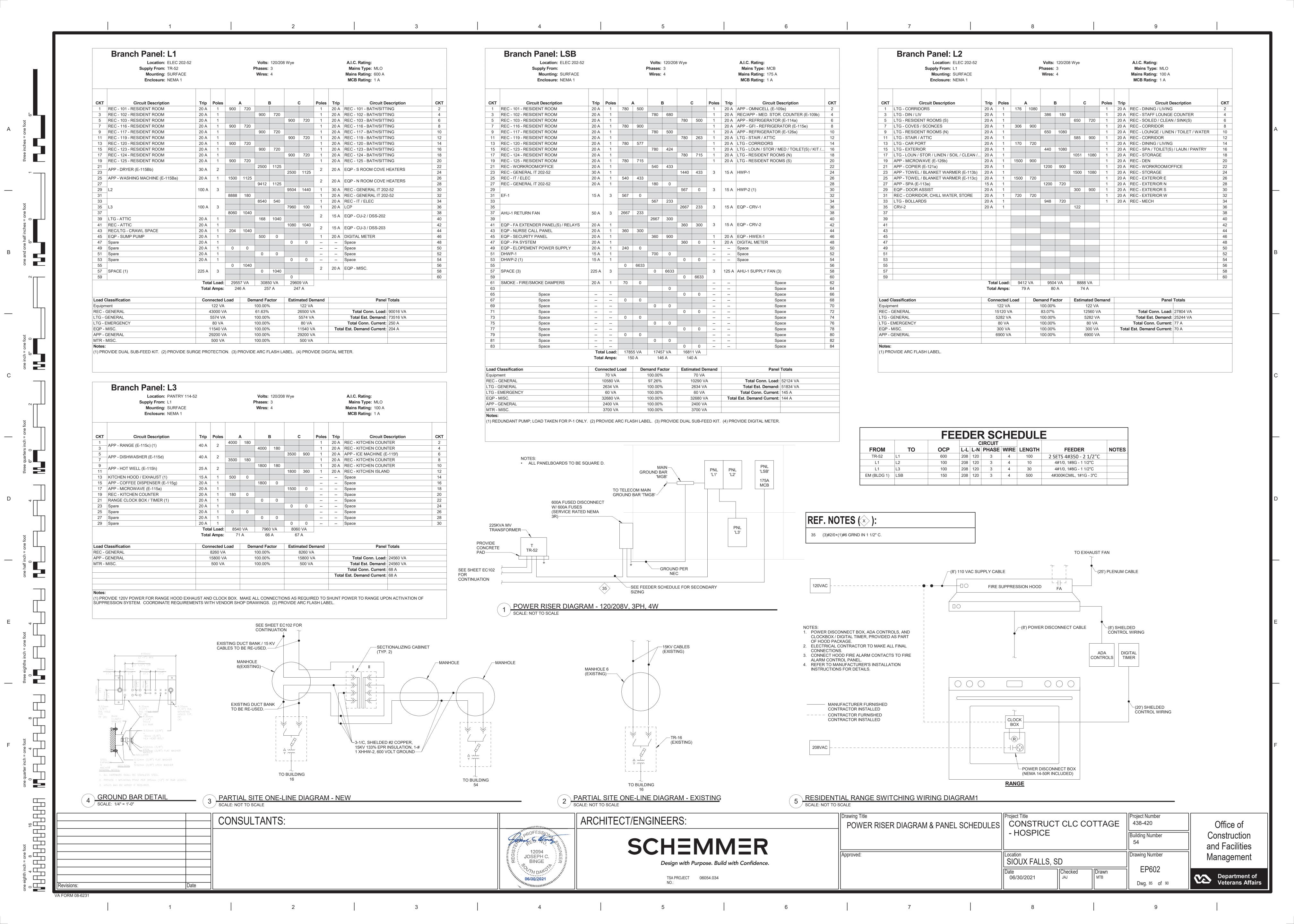
GENERAL LUMINAIRE SCHEDULE NOTES: A THE SUBMITTAL SHALL BE PREPARED AND SUBMITTED BY THE AUTHORIZED FACTORY REPRESENTATIVE OR THEY SHALL BE

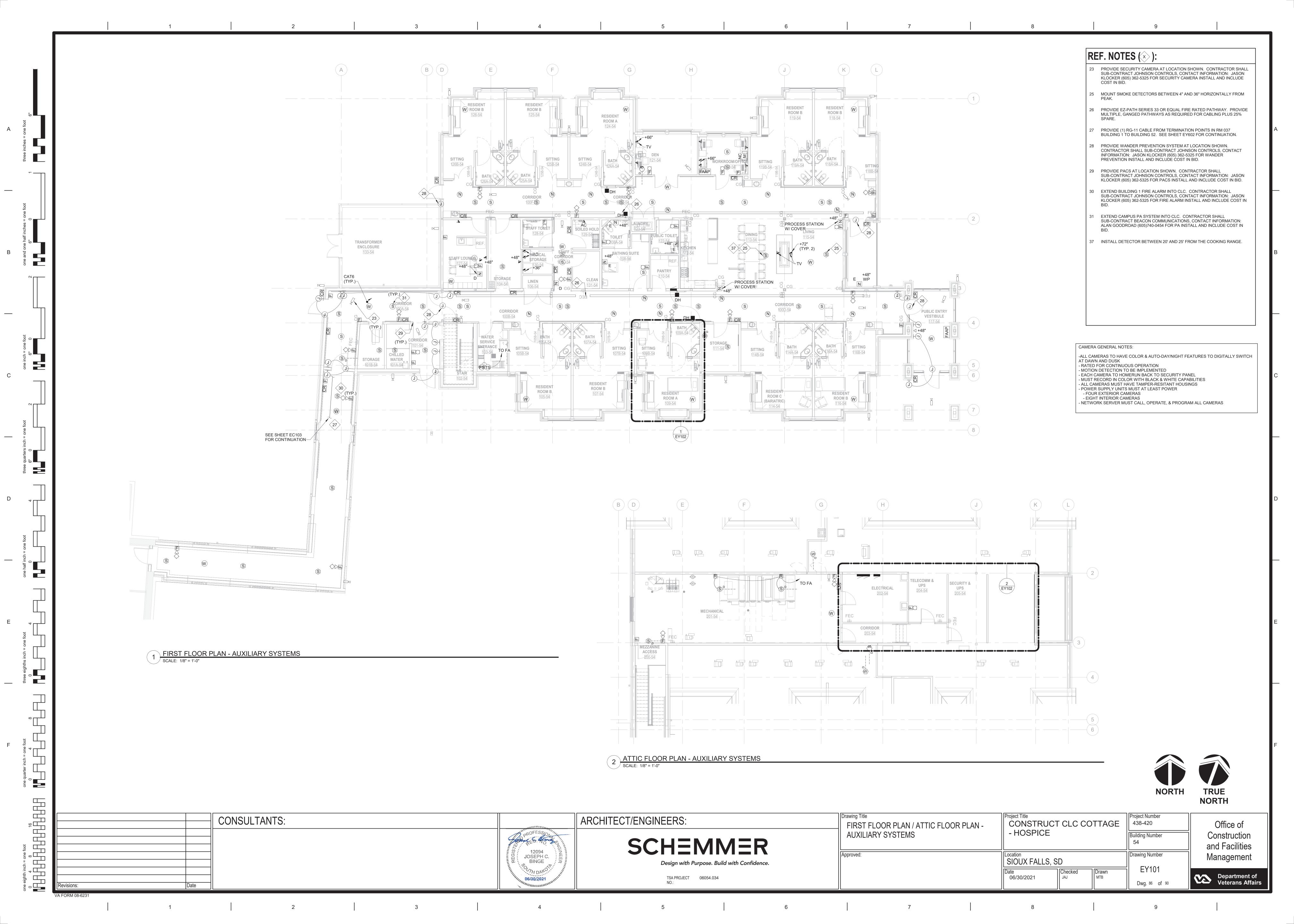
LUMINAIRE SCHEDULE NOTES: 1 PROVIDE HANGERS AS REQUIRED.

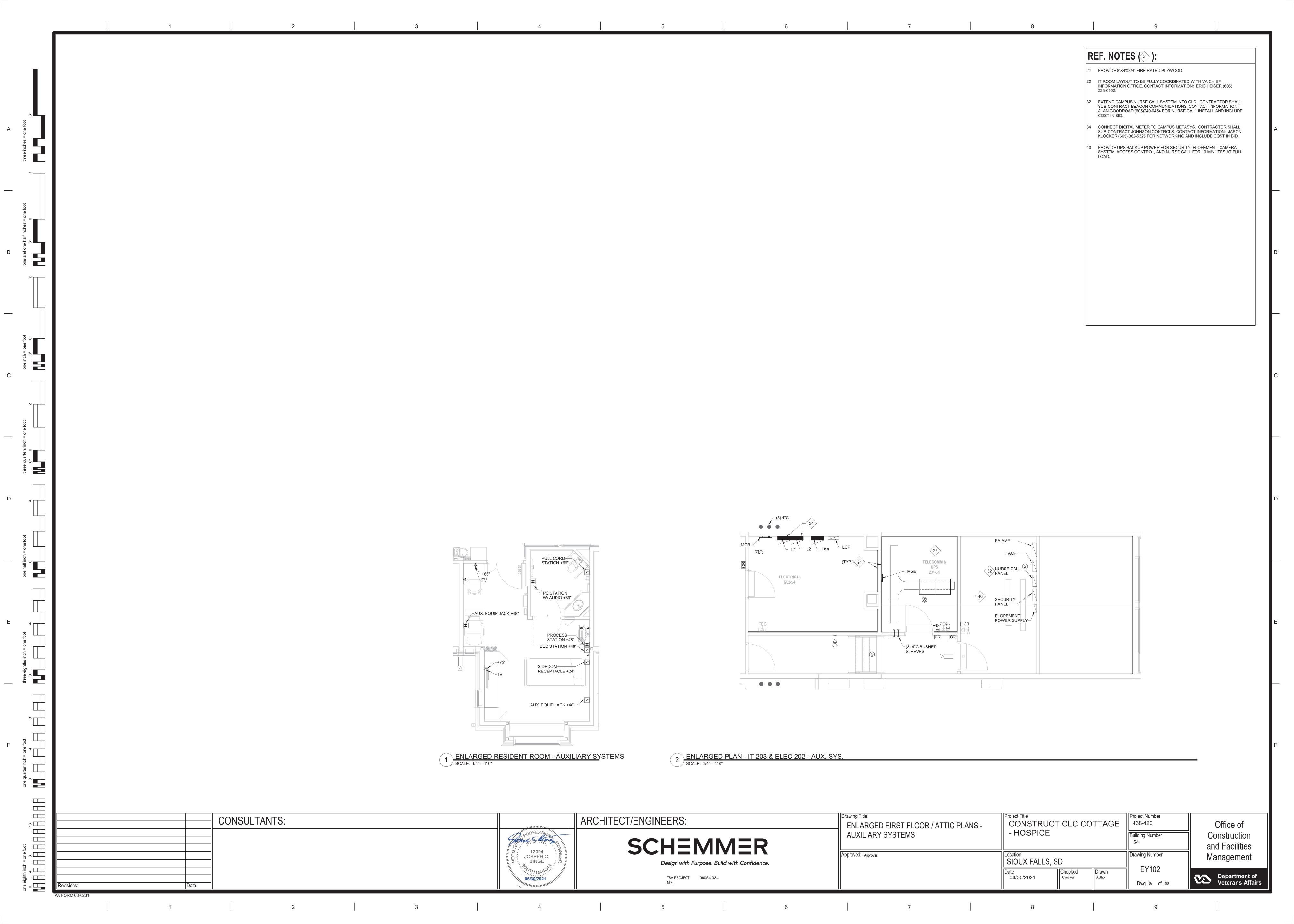
LETTERING.

- 2 ORDER WITH 4000K TEMPERATURE. PROVIDE ARLINGTON FB900 CATHEDRAL CEILING ADAPTER AND FB450 SLOPED CEILING ADAPTER
- AS REQUIRED. ADAPTERS TO BE PAINTED TO MATCH WOOD PANELS.
- 3 ORDER WITH TMHWL-LOUVCC SS771 SINGLE GANG LOUVER. 4 SPECIFY CEILING / WALL MOUNT, LUCITE EXIT SIGN WITH RED

Project Title
CONSTRUCT CLC COTTAGE Project Number ARCHITECT/ENGINEERS: CONSULTANTS: 438-420 **EQUIPMENT & LUMINAIRE SCHEDULE** Office of - HOSPICE Building Number Construction SCHEMMER and Facilities 12094 JOSEPH C. BINGE SIOUX FALLS, SD Drawing Number Management Design with Purpose. Build with Confidence. EP601 Department of Veterans Affairs TSA PROJECT 06054.034 NO.: 06/30/2021 Dwg. 84 of 90







GENERAL LIGHTNING PROTECTION

NOTES

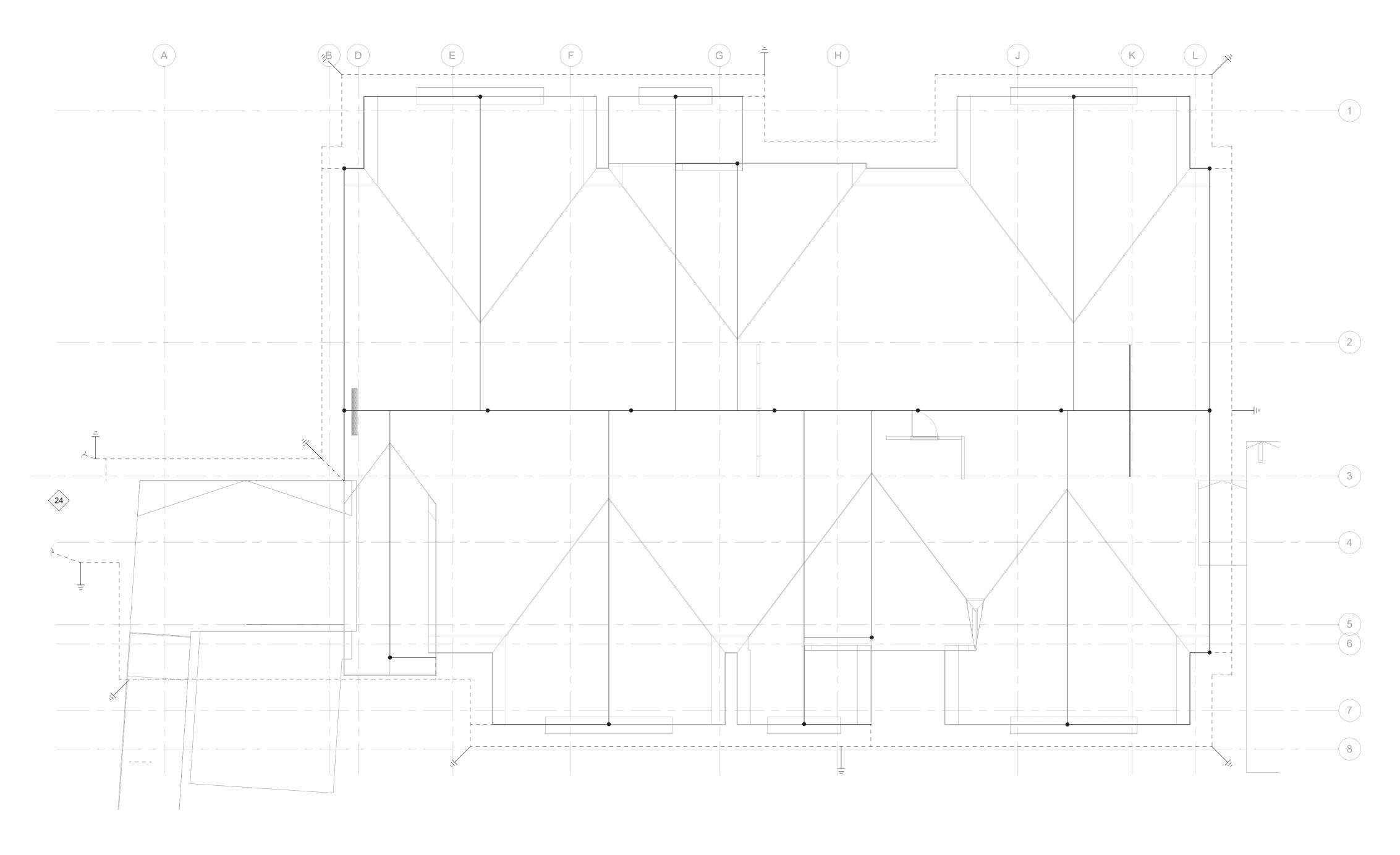
WORK SHALL BE IN ACCORDANCE WITH NFPA 780 AND UL. NEW SYSTEM SHALL BE UL MASTER CERTIFIED. PROVIDE UL MASTER LABEL

CERTIFICATE IN O&M MANUALS.

B LAYOUT IS SHOWN FOR GENERAL DESIGN ONLY. LIGHTNING PROTECTION CONTRACTOR SHALL PROVIDE DRAWING SHOWING TERMINAL LOCATIONS AND CABLE ROUTING. PROVIDE ADDTIONAL TERMINALS, CABLING, ETC. AS REQUIRED TO INSTALL SYSTEM PER NFPA 780 AND UL.

REF. NOTES (×):

24 RE-ROUTE EXISTING BUILDING 1 DOWN CONDUCTOR AROUND CONNECTING CORRIDOR. FIELD LOCATE EXISTING GROUND RING AND CONNECT TO FORM A CONTINUOUS LOOP AROUND BUILDING 1 AND CLC.



1 LIGHTNING PROTECTION PLAN
SCALE: 1/8" = 1'-0"





Project Title
CONSTRUCT CLC COTTAGE Drawing Title
LIGHTNING PROTECTION PLAN Project Number CONSULTANTS: ARCHITECT/ENGINEERS: 438-420 Office of - HOSPICE Building Number Construction SCHEMMER and Facilities 12094 JOSEPH C. BINGE SIOUX FALLS, SD Drawing Number Management Design with Purpose. Build with Confidence. EY103 Drawn MTB Department of Veterans Affairs TSA PROJECT 06054.034 NO.: 06/30/2021 Dwg. 88 of 90

