ITEM	DESCRIPTION	VOLTAGE	PHASE	VA	DISCONNECT MEANS	MOTOR LOCATION	CONNECTION TYPE	MOUNTING HEIGHT	PANEL FED FROM	CIRCUIT NUMBER	CONDUIT SIZE	WIRE SIZE	GROUND SIZE	CIRCUIT BREAKER	NOTES
SD-1	SMOKE DAMPER	120	1	50	SELF CONTAINED	ACCESSIBLE CEILING SPACE	120 VOLT AND FIRE ALARM CONNECTION.	FIELD COORDINATE	XX-EQL1	25	3/4"	2#12	1#12	20/1	1
SD-2	SMOKE DAMPER	120	1	50	SELF CONTAINED	ACCESSIBLE CEILING SPACE	120 VOLT AND FIRE ALARM CONNECTION.	FIELD COORDINATE	XX-EQL1	25	3/4"	2#12	1#12	20/1	1
SD-3	SMOKE DAMPER	120	1	50	SELF CONTAINED	ACCESSIBLE CEILING SPACE	120 VOLT AND FIRE ALARM CONNECTION.	FIELD COORDINATE	XX-EQL1	25	3/4"	2#12	1312	20/1	1
SD-4	SMOKE DAMPER	120	1	50	SELF CONTAINED	ACCESSIBLE CEILING SPACE	120 VOLT AND FIRE ALARM CONNECTION.	FIELD COORDINATE	XX-EQL1	25	3/4"	2#12	1#12	20/1	1

NOTES:
1. PROVIDE 120 VOLT CONNECTION TO SMOKE DAMPER, ALSO PROVIDE CONNECTION TO FACP (FIRE ALARM CONTROL PANEL) REFER TO DETAIL C2/EL502 FOR ADDITIONAL INFORMATION.

D1 SMOKE DAMPER SCHEDULE
NO SCALE

ITEM	DESCRIPTION	VOLTAGE	PHASE	VA	STARTER SIZE	DISCONNECT MEANS	DISCONNECT SWITCH SIZE	DISCONNECT LOCATION	MOTOR LOCATION	CONNECTION TYPE	MOUNTING HEIGHT	PANEL FED FROM	CIRCUIT NUMBER	CONDUIT SIZE	WIRE SIZE	GROUND SIZE	CIRCUIT BREAKER
GP1	GYLCOL PUMP STATION	120	1	200	NONE	MANUAL MOTOR STARTER SWITCH (MMSS)	20 AMP NEMA 1 WITH THERMAL OVERLOADS	LOCATED AT MOTOR	BASEMENT	FLEXIBLE CONDUIT FROM DISCONNECT TO MOTOR	FIELD COORDINATE	XX-EQL1	22	3/4"	2#12	1#12	20/1

E1 GLYCOL FILL PUMP SCHEDULE
NO SCALE

ITEM	DESCRIPTION	VOLTAGE	PHASE	VA	STARTER SIZE	DISCONNECT MEANS	DISCONNECT SWITCH SIZE	DISCONNECT LOCATION	MOTOR LOCATION	CONNECTION TYPE	MOUNTING HEIGHT	PANEL FED FROM	CIRCUIT NUMBER	CONDUIT SIZE	WIRE SIZE	GROUND SIZE	CIRCUIT BREAKER
HX-1	HEAT EXCHANGER	120	1	200	NONE	MANUAL MOTOR STARTER SWITCH (MMSS)	20 AMP NEMA 1 WITH THERMAL OVERLOADS	LOCATED AT MOTOR	BASEMENT	FLEXIBLE CONDUIT FROM DISCONNECT TO MOTOR	FIELD COORDINATE	XX-EQL1	27	3/4"	2#12	1#12	20/1
HX-2	HEAT EXCHANGER	120	1	200	NONE	MANUAL MOTOR STARTER SWITCH (MMSS)	20 AMP NEMA 1 WITH THERMAL OVERLOADS	LOCATED AT MOTOR	BASEMENT	FLEXIBLE CONDUIT FROM DISCONNECT TO MOTOR	FIELD COORDINATE	XX-EQL1	29	3/4"	2#12	1#12	20/1

F1 HEAT EXCHANGER SCHEDULE
NO SCALE

FULLY SPRINKLED
BID DOCUMENTS
FOR CONSTRUCTION

Revisions	Date
1 ADDENDUM 1 – BID AND CONSTRUCTION DOCUMENTS	05/29/20

CONSULTANTS:

ARCHITECT/ENGINEERS:

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STATE OF KENTUCKY
BLAINE CAMIEL VAN GANSBEKE
24,786
LICENSED PROFESSIONAL ENGINEER
2-7-2020

Drawing Title: ELECTRICAL EQUIPMENT SCHEDULES

Approved Project Director

Project Title: ST CLOUD ADH AND EC SUPPORT

Location: ST CLOUD VA HEALTH CARE SYSTEM
4801 VETERANS DRIVE, ST. CLOUD MN 56303

Date: 12-27-2019 | Checked: WLM | Drawn: MMF

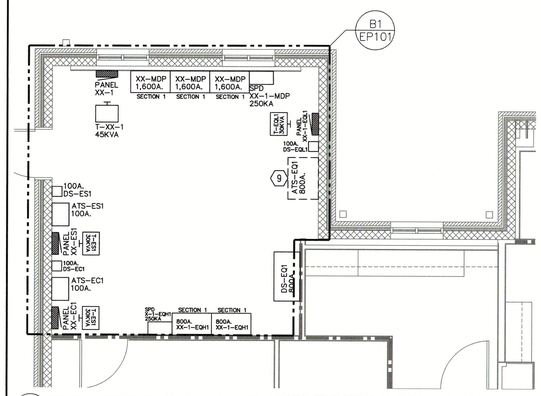
Project Number: 656-343

Building Number: ---

Drawing Number: EM602

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231



B1 **PARTIAL FIRST FLOOR PLAN - ENLARGED ELECTRICAL ROOM PLANS**
1/4" = 1'-0"

ELECTRICAL POWER PLAN NOTES

1. PROVIDE UL LISTED FIRE STOPPING ASSEMBLY AT ALL RATED FLOOR AND OR WALL PENETRATIONS.
2. PROVIDE 1" EMPTY CONDUIT WITH PULL STRINGS FROM LIFE SAFETY BRANCH PANEL "XX-ES1" FOR FUTURE ELEVATOR CAB LIGHTS.
3. REFER TO SHEET EY101 FOR SYSTEMS PANEL CIRCUITING INFORMATION.
4. PROVIDE STAINLESS STEEL PUSH PLATE FOR AUTO DOOR OPERATOR AS INDICATED.
5. CONTRACTOR SHALL PROVIDE HOLLOW METAL POST, WITH STAINLESS STEEL PUSH PLATE, THE CONTRACTOR SHALL SUBMIT SHOP DRAWING SUBMITTALS OF METAL POST AND PUSH PLATE, PRIOR TO BEGINNING CONSTRUCTION.
6. PROVIDE 2" EMPTY CONDUIT WITH PULL STRINGS FROM EQUIPMENT BRANCH PANEL "XX-EQH1" FOR FUTURE ELEVATOR MOTORS AND CONTROLLERS.
7. PROVIDE DEDICATED RECEPTACLE AND CIRCUIT FOR WANDER-GARD SERVER.
8. PROVIDE JUNCTION BOX AT REFRIGERATOR, THE HVAC TEMPERATURE CONTROL CONTRACTOR SHALL CONNECT LOW VOLTAGE WIRING TO JOHNSON CONTROLS BUILDING MANAGEMENT SYSTEM.

GENERAL ELECTRICAL POWER PLAN NOTES

A. REFER TO E-001 FOR ELECTRICAL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.

B. ALL RECEPTACLES IN PUBLIC AREAS SHALL BE TAMPER RESISTANT.

C. ALL RECEPTACLES SHALL BE INSTALLED AT 18" A.F.F. UNLESS NOTED OTHERWISE.

D. ALL CONDUITS TO BE CONCEALED WITHIN ALL WALLS UNLESS NOTED OTHERWISE.

E. ALL CONDUIT USED SHALL BE 3/4" MINIMUM.

F. SOME WORK UNDER THIS CONTRACT WILL REQUIRE WORK DUTIES TO BE PERFORMED AFTER NORMAL WORKING HOURS. DETERMINATION OF SPECIFIC WORK DUTIES TO BE PERFORMED AFTER HOURS SHALL BE MADE BY VA STAFF AT THEIR CONVENIENCE. POSSIBLE WORK REQUIRING AFTER HOURS APPROVAL INCLUDES, BUT IS NOT LIMITED TO: POWER OUTAGES, DISRUPTION OF SERVICES, EXTREME NOISE AND / OR VIBRATION, CUTTING AND PATCHING OF CONCRETE AND DELIVERIES OF EQUIPMENT.

G. REFER TO SHEET E-501 FOR CONDUIT SUPPORT AND MOUNTING INFORMATION.

H. THE CONTRACTOR SHALL PROVIDE TAMPER RESISTANT SCREWS ON RECEPTACLES LOCATED IN PUBLIC SPACES.

ELECTRICAL POWER PLAN NOTES

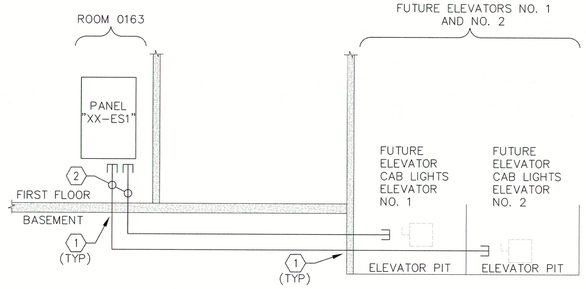
9. THE CONTRACTOR SHALL INCLUDE IN BASE BID THE INSTALLATION OF THE 800 A.T.S. (AUTOMATIC TRANSFER SWITCH) EMPTY CONDUIT SYSTEM BETWEEN THE ATS AND THE 800 AMP CIRCUIT BREAKER, THE 800 AMP CIRCUIT BREAKER IN BUILDING NO. 117, THE CONTRACTOR SHALL INCLUDE IN BID A SEPARATE BID DEDUCT ALTERNATE NO. 1 THE 800 AMP ATS, 800 AMP CIRCUIT BREAKER AND CONDUIT BETWEEN THE ATS AND CIRCUIT BREAKER.

POWER SOURCES

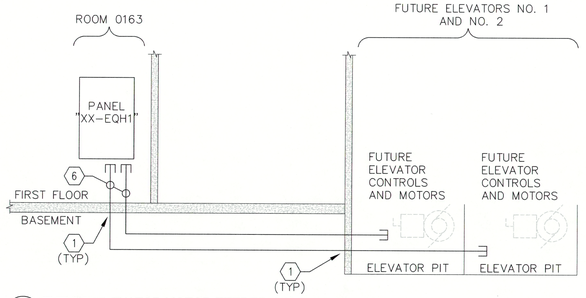
A. NORMAL POWER SHALL BE FED FROM PANEL "XX-1" UNLESS NOTED OTHERWISE, SEE DRAWING EP101 FOR PANEL LOCATION.

B. EMERGENCY LIFE SAFETY BRANCH SHALL BE FED FROM PANEL "XX-ES1" UNLESS NOTED OTHERWISE, SEE DRAWING EP101 FOR PANEL LOCATION.

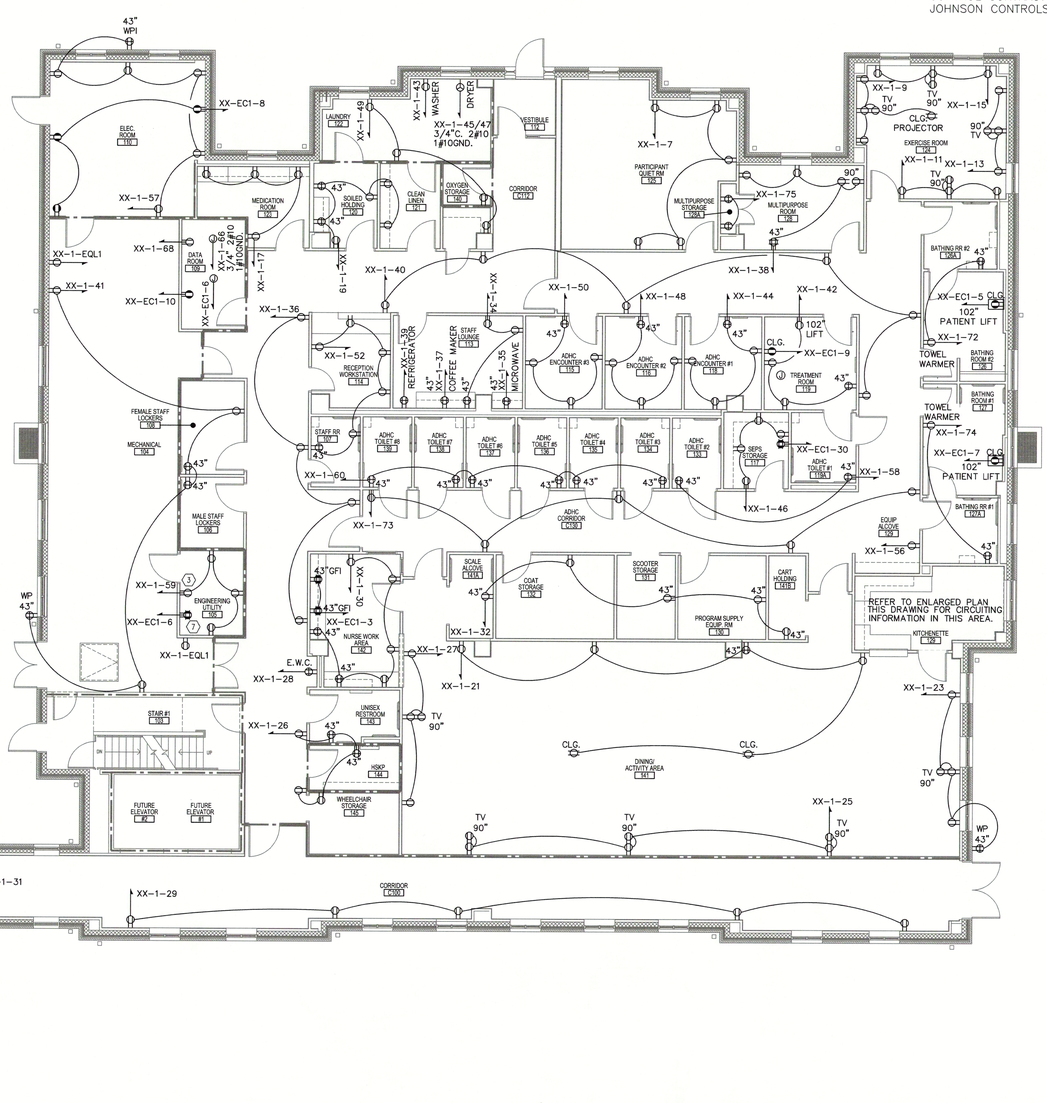
C. EMERGENCY CRITICAL BRANCH SHALL BE FED FROM PANEL "XX-EC1" UNLESS NOTED OTHERWISE, SEE DRAWING EP101 FOR PANEL LOCATION.



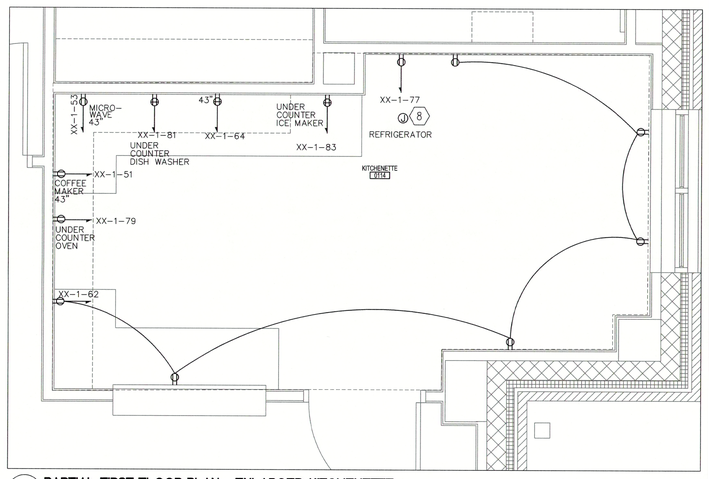
C1 **FUTURE ELEVATOR CAB LIGHTS FEEDER CONDUIT DIAGRAM**
NO SCALE



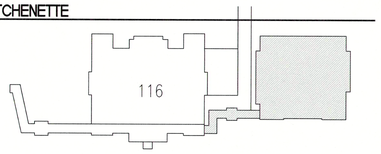
E1 **FUTURE ELEVATOR MOTOR FEEDER CONDUIT DIAGRAM**
NO SCALE



F1 **FIRST FLOOR PLAN**
1/8" = 1'-0"



B1 **PARTIAL FIRST FLOOR PLAN - ENLARGED KITCHENETTE**
1/2" = 1'-0"



KEY PLAN
NTS

FULLY SPRINKLED
BID DOCUMENTS
FOR CONSTRUCTION

⚠ ADDENDUM 1 - BID AND CONSTRUCTION DOCUMENTS	05/29/20
Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

paradigm
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27 May 2020
STATE OF KENTUCKY
BLAINE CAMBIE VAN GANSBEKE
24,786
LICENSED
PROFESSIONAL ENGINEER

Drawing Title	ELECTRICAL POWER PLAN FIRST FLOOR
Approved Project Director	
Project Title	ST CLOUD ADH AND EC SUPPORT
Location	ST CLOUD VA HEALTH CARE SYSTEM 4801 VETERANS DRIVE, ST. CLOUD MN 56303
Date	12-27-2019
Checked	WLM
Drawn	MMF
Project Number	656-343
Building Number	---
Drawing Number	EP101

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

POWER SOURCES

A. NORMAL POWER SHALL BE FED FROM PANEL "XX-1" UNLESS NOTED OTHERWISE, SEE DRAWING EP101 FOR PANEL LOCATION.

B. EMERGENCY LIFE SAFETY BRANCH SHALL BE FED FROM PANEL "XX-ES1" UNLESS NOTED OTHERWISE, SEE DRAWING EP101 FOR PANEL LOCATION.

C. EMERGENCY CRITICAL BRANCH SHALL BE FED FROM PANEL "XX-EC1" UNLESS NOTED OTHERWISE, SEE DRAWING EP101 FOR PANEL LOCATION.

GENERAL ELECTRICAL POWER PLAN NOTES

A. REFER TO E-001 FOR ELECTRICAL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.

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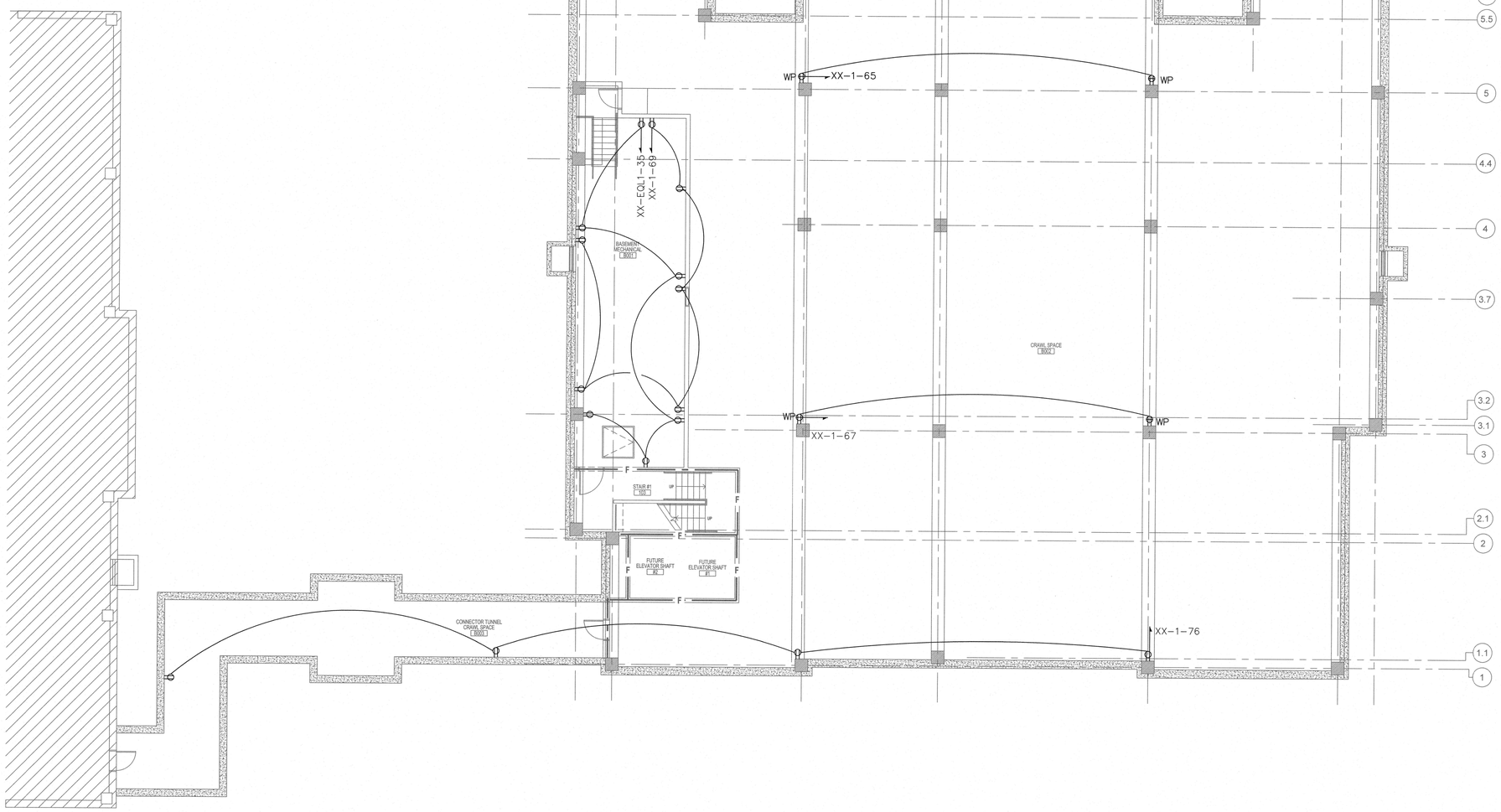
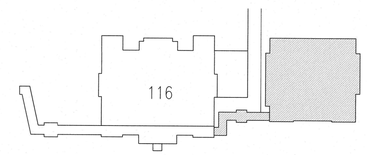
G. REFER TO SHEET E-501 FOR CONDUIT SUPPORT AND MOUNTING INFORMATION.





KEY PLAN
NTS

N

F1 FIRST FLOOR PLAN
1/8" = 1'-0"

FULLY SPRINKLED
BID DOCUMENTS
FOR CONSTRUCTION

Revisions	Date
⚠1 ADDENDUM 1 – BID AND CONSTRUCTION DOCUMENTS	05/29/20

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ARCHITECT/ENGINEERS:

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STATE OF KENTUCKY
BLAINE CAMIEL VAN GANSBEKE 24.788
LICENSED PROFESSIONAL ENGINEER
27 MAY 2020

Drawing Title	ELECTRICAL POWER PLAN BASEMENT
Approved Project Director	
Project Title	ST CLOUD ADH AND EC SUPPORT
Location	ST CLOUD VA HEALTH CARE SYSTEM 4801 VETERANS DRIVE, ST. CLOUD MN 56303
Date	12-27-2019
Checked	WLM
Drawn	MMF
Project Number	656-343
Building Number	---
Drawing Number	EP102

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231