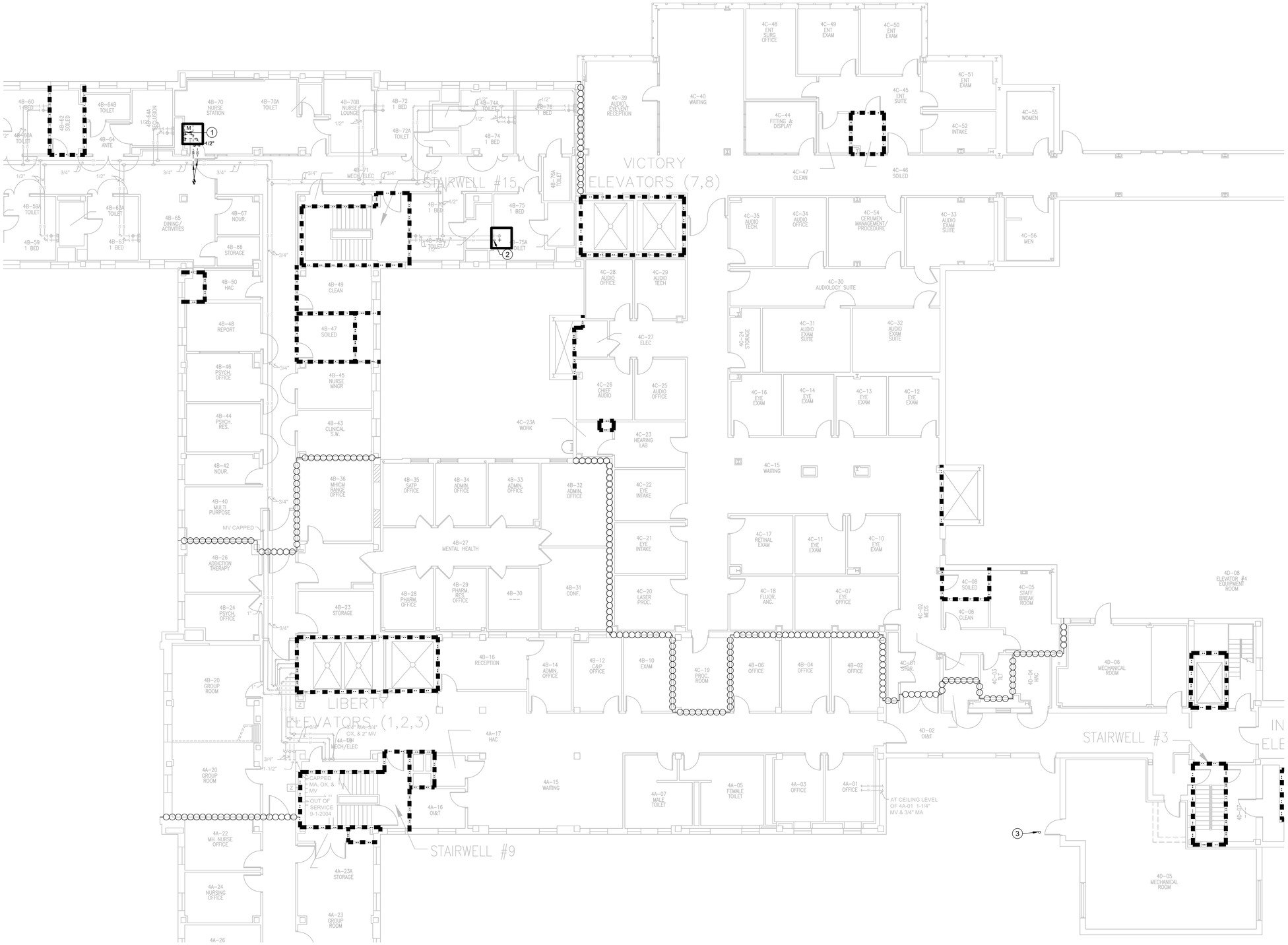

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. ALL MED GAS PIPING IS LOCATED IN CEILINGS AND WALLS. PATCH WALLS AFTER WORK IS COMPLETE.
3. PAINT TO MATCH EXISTING, COORDINATE WITH OWNER. IF COLOR CANNOT BE MATCHED, CONTRACTOR TO PAINT CORNER TO CORNER AND MAKE ACCENT WALL.
4. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.
5. MEDICAL GAS CERTIFICATIONS TO BE PERFORMED IN EACH AREA OR SYSTEM IMMEDIATELY AFTER IT IS COMPLETED.
6. ALL OLD TO NEW SWITCH OVER NEEDS TO HAPPEN IN ONE NIGHT SHUTDOWN AND CERTIFIED AT THE SAME TIME.

KEYED PLUMBING NOTES

1. REMOVE EXISTING ALARM PANEL AND GAS PRESSURE PIPING FROM ALARM PANEL TO BRANCH.
2. REMOVE AND RETAIN LOCKING ACCESS PANEL.
3. REMOVE EXISTING MEDICAL VACUUM EXHAUST PIPING ONLY AFTER NEW EXHAUST PIPING IS INSTALLED AND OPERATIONAL. PATCH HOLE IN CONCRETE DECK AND SEAL PENETRATION WITH SAME ROOFING MATERIAL.

LINE LEGEND

- EXISTING
- DEMO
- NEW CONSTRUCTION
- M ALARM PANEL
- Z ZONE VALVES
- S SENSORS
- CONNECT POINT
- DISCONNECT POINT
- DUST BARRIER
- 1-HR FIRE RATED WALL
- 2-HR FIRE RATED WALL
- SMOKE BARRIER

1 / P-1.41 FOURTH FLOOR - DEMOLITION PLAN
SCALE: 1/8" = 1'

N PLAN NORTH

N TRUE NORTH

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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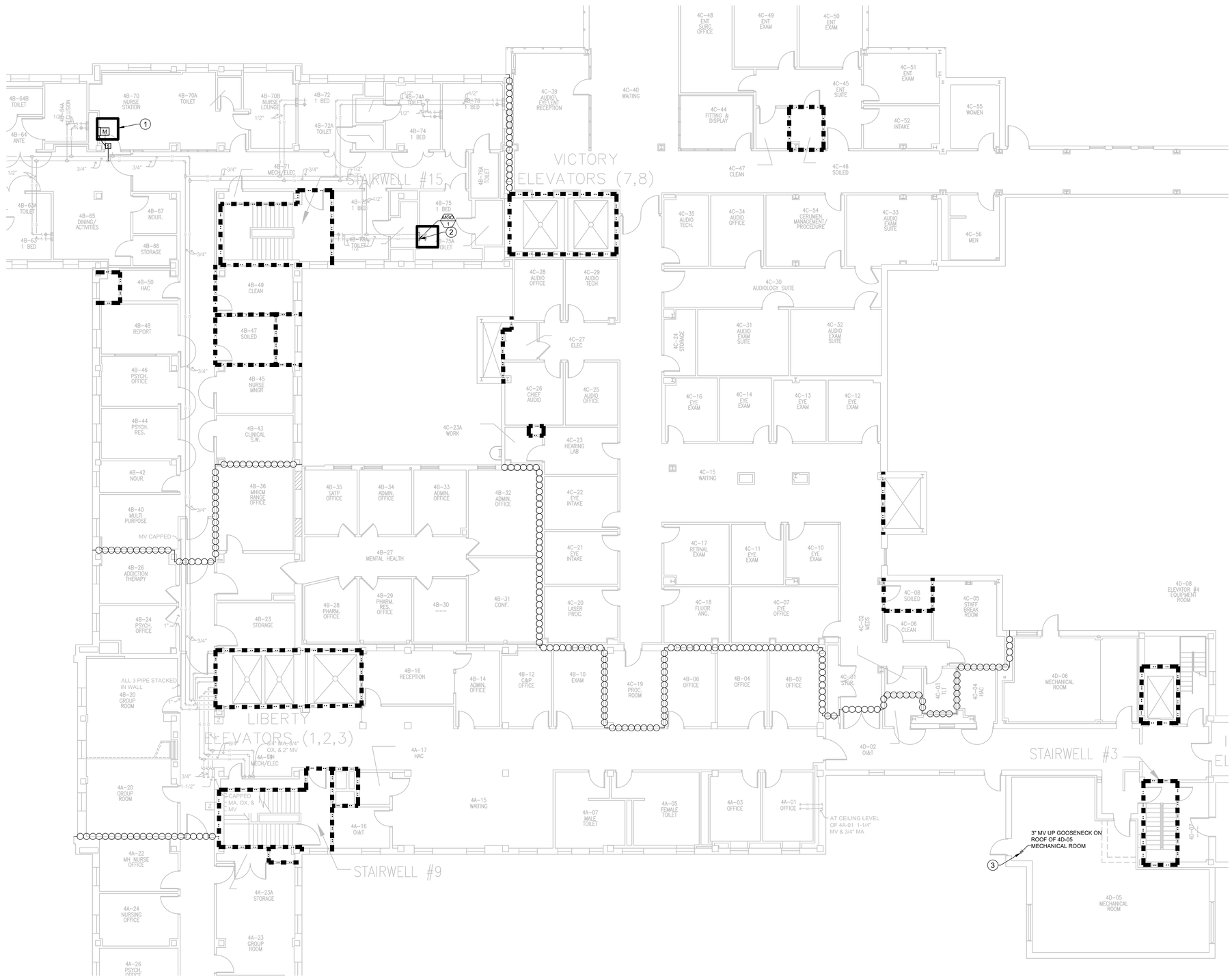
Drawing Title	FOURTH FLOOR - DEMOLITION PLAN
Approved: Project Director	Fargo VA Health Care System
Project Title	UPGRADE MEDICAL GAS SYSTEM
Location	2101 ELM ST N, FARGO, ND 58102
Date	07/07/2021
Checked	RD
Drawn	BM
Project Number	437-21-160
Building Numbers	1,9,46
Drawing Number	P-1.41
Dwg.	26 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. ALL MED GAS PIPING IS LOCATED IN CEILINGS AND WALLS. PATCH WALLS AFTER WORK IS COMPLETE.
3. PAINT TO MATCH EXISTING, COORDINATE WITH OWNER. IF COLOR CANNOT BE MATCHED, CONTRACTOR TO PAINT CORNER TO CORNER AND MAKE ACCENT WALL.
4. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.
5. MEDICAL GAS CERTIFICATIONS TO BE PERFORMED IN EACH AREA OR SYSTEM IMMEDIATELY AFTER IT IS COMPLETED.
6. ALL OLD TO NEW SWITCH OVER NEEDS TO HAPPEN IN ONE NIGHT SHUTDOWN AND CERTIFIED AT THE SAME TIME.

KEYED PLUMBING NOTES

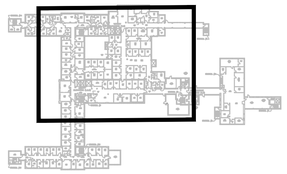
1. INSTALL NEW ALARM PANELS IN LOCATION SHOWN. INSTALL NEW PRESSURE SENSORS IN ZONE BRANCH PIPING DOWNSTREAM OF ZONE VALVES. 4B LOCKED WARD TRAINING, RECORD FORMS ALL HAVE TO BE COMPLETE BEFORE WORK STARTS. PATCH TO MATCH FINISHES.

2. INSTALL NEW MEDICAL GAS OUTLET FOR MEDICAL AIR IN THE SHOWN LOCATION. REUSE EXISTING LOCKING ACCESS PANEL. NEW OUTLET SHALL BE CERTIFIED, APPROVED AND OPERATIONAL IMMEDIATELY AFTER INSTALLATION.

3. COREDRILL AND INSTALL 3" VACUUM PIPING UP TO GOOSENECK ON THE ROOF OF 4D-05 MECHANICAL ROOM AT THE SAME TIME AS VACUUM EQUIPMENT REPLACEMENT SO IT CAN BE COMPLETED WITHIN ONE SHUTDOWN. NEW VACUUM EXHAUST PIPING SHALL BE OPERATIONAL.

LINE LEGEND

- EXISTING
- DEMO
- NEW CONSTRUCTION
- M — ALARM PANEL
- Z — ZONE VALVES
- S — SENSORS
- CONNECT POINT
- DISCONNECT POINT
- DUST BARRIER
- 1-HR FIRE RATED WALL
- 2-HR FIRE RATED WALL
- SMOKE BARRIER



1 / P-1.42 FOURTH FLOOR - REMODEL PLAN
SCALE: 1/4" = 1'

N PLAN NORTH

N TRUE NORTH

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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Drawing Title	FOURTH FLOOR - REMODEL PLAN
Approved: Project Director	Fargo VA Health Care System
Project Title	UPGRADE MEDICAL GAS SYSTEM
Location	2101 ELM ST N, FARGO, ND 58102
Date	07/07/2021
Checked	RD
Drawn	BM
Project Number	437-21-160
Building Numbers	1,9,46
Drawing Number	P-1.42
Dwg. 27 of 40	

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ELECTRICAL LEGEND (FLOORPLAN)

SYMBOL	DESCRIPTION
	MOTOR, SINGLE-PHASE
	MOTOR, THREE-PHASE
T	TRANSFORMER
	WYE CONNECTION
	DUCT, CELL FLOOR HEADER
T T	DUCT, TROLLEY
	DUCT, UNDERFLOOR JUNCTION BOX
	EARTH GROUND
J	JUNCTION BOX
C C	LADDER CABLE TRAY
	BRANCH CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
PB	PULL BOX
W W	WIREWAY
RC	RIGID CONDUIT LINE = RC
DB	DIRECT BURIAL CABLE = DB
P	POWER DUCT = P
AV	AUDIO VISUAL LINE = AV
CATV	CABLE TELEVISION LINE = CATV
CCTV	CLOSED CIRCUIT TELEVISION LINE = CCTV
FO	FIBEROPTICS LINE = FO
COM	COMMUNICATIONS LINE = COM
I	INTERCOM LINE = I
NC	NURSE CALL LINE = NC
S	SUBSTATION
HVS	HI VOLTAGE SWITCH ON CONCRETE PAD
LVS	LOW VOLTAGE SWITCH ON CONCRETE PAD
P T	DUAL POWER AND TELECOMMUNICATIONS MANHOLE
B B	BUSWAY
DP#	DISTRIBUTION PANEL
LP	LIGHTING PANEL
	PANELBOARD CABINET, FLUSH MOUNTED
	PANELBOARD CABINET, SURFACE MOUNTED
C	RECEPTACLE, CLOCK HANGER
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX ON EMERGENCY POWER
	RECEPTACLE, GFCI DUPLEX
	RECEPTACLE, QUADRAPLEX
A	RECEPTACLE, SPECIAL PURPOSE 120V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 5-20R.
B	RECEPTACLE, SPECIAL PURPOSE 208V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 6-20R.
C	RECEPTACLE, SPECIAL PURPOSE 120V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 5-30R.
D	RECEPTACLE, SPECIAL PURPOSE 208V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 6-30R.
E	RECEPTACLE, SPECIAL PURPOSE 208V, 60A, 1 PHASE, 3-POLE, 4W, NEMA 14-60R.
F	RECEPTACLE, SPECIAL PURPOSE 208V, 30A, 3 PHASE, 3-POLE 4W, NEMA 15-30R.
G	RECEPTACLE, SPECIAL PURPOSE 208V, 50A, 3 PHASE, 3 POLE, 4W, NEMA 15-50R.
H	RECEPTACLE, SPECIAL PURPOSE 208V, 60A, 3 PHASE, 3 POLE, 4W, NEMA 15-60R.
J	RECEPTACLE, SPECIAL PURPOSE 208V, 20A, 3 PHASE, 3 POLE, 4W, NEMA 15-20R.
S	RECEPTACLE, SWITCHED DUPLEX
	DROP CORD, SINGLE CONVENIENCE OUTLET, 3-WIRE, GROUNDING TYPE, 20A, W/#12 CONDUCTORS IN FLEXIBLE CORD (CENTER LINE OF OUTLET: 6'-6" [1981mm] AFF. MINIMUM).
	ELECTRICAL STRIP MOLD (OUTLETS ON 2'-0" [610mm] CENTERS OR AS DESIGNATED ON DRAWINGS), MTD 3'-6" [1067mm] AFF OR AS INDICATED.

SYMBOL	DESCRIPTION
R 50	INSTANTANEOUS OVERCURRENT RELAY
R 51	AC-TIME OVERCURRENT RELAY
R 67	AC-DIRECTIONAL OVERCURRENT RELAY
R 86	LOCKING OUT RELAY
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	STARTER, COMBINATION WITH DISCONNECT SWITCH
	STARTER OR MOTOR CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
TC	TIME CLOCK
R	RECTIFIER, CATHODIC PROTECTION SANITARY
	VENTILATOR OR FAN COIL UNIT OUTLET
	CONDUIT TERMINATED 6" [152mm] AFF IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.
$	SWITCH, SPST
$2	SWITCH, DPST
$3	SWITCH, THREE WAY
$3D	SWITCH, THREE WAY DIMMER
$3OS	SWITCH, THREE WAY OCCUPANCY SENSOR
$4	SWITCH, FOUR WAY
$D	SWITCH, DIMMER
$DOOR	SWITCH, DOOR JAMB
$4OS	SWITCH, FOUR WAY OCCUPANCY SENSOR
$F	SWITCH, FUSED
$K	SWITCH, KEY OPERATED
$L	SWITCH, LOCK
$LM	SWITCH, LOW VOLTAGE MASTER
$M	SWITCH, MANUAL MOTOR STARTING
$MC	SWITCH, MOMENTARY CONTACT
$MP	SWITCH, MOTOR SNAP WITH PILOT LIGHT (THERMAL TYPE)
$OS	SWITCH, OCCUPANCY SENSOR
$OSD	SWITCH, OCCUPANCY SENSOR DIMMER
$P	SWITCH, WITH PILOT LIGHT
$PB	SWITCH, PUSH BUTTON
$PH	SWITCH, PHOTOCELL
$RC	SWITCH, REMOTE CONTROL
$WP	SWITCH, WEATHER PROOF
$X	SWITCH, EXPLOSION PROOF
C	TELECOMMUNICATIONS MANHOLE
	COMMUNICATIONS FLOOR RECEPTACLE
	COMMUNICATIONS WALL RECEPTACLE
	COMMUNICATIONS CEILING RECEPTACLE
M	TELEVISION FLOOR RECEPTACLE C = CAMERA (CCTV SYSTEM) M = MONITOR (CATV SYSTEM). AV= AUDIO VISUAL (CONFERENCE ROOM CONNECTION RECEPTACLES)
M	TELEVISION WALL RECEPTACLE C = CAMERA (CCTV SYSTEM) M = MONITOR (CATV SYSTEM). AV= AUDIO VISUAL (CONFERENCE ROOM CONNECTION RECEPTACLES)
M	TELEVISION CEILING RECEPTACLE C = CAMERA (CCTV SYSTEM) M = MONITOR (CATV SYSTEM). AV= AUDIO VISUAL (CONFERENCE ROOM CONNECTION RECEPTACLES)
S	PAGING SPEAKER, CEILING MOUNTED
S	PAGING SPEAKER, WALL MOUNTED
NCS	NURSE'S CALL MASTER STATION
NCT	NURSE CALL TERMINAL CABINET.
N D	NURSE CALL STATION. D = DUTY STATION. MTD 5' AFF E = MTD 6' AFF FOR SHOWER LOCATION MTD 4'-6" AFF FOR TUB LOCATION MTD 3' AFF FOR TOILET LOCATION P = PSYCHIATRIC CORRIDOR STATION WITH KEY SWITCH S = AUDIO VISUAL STAFF STATION MTD 5' AFF U = UTILITY CALL STATION, MTD 5' AFF

SYMBOL	DESCRIPTION
N D	NURSE CALL STATION. D = CORRIDOR DOME LIGHT MTD 6" ABOVE DOOR I = AUXILIARY INTERSECTIONAL DOME LIGHT
	TELECOMMUNICATIONS TERMINAL CABINET
TTB	TELECOMMUNCATIONS BACKBOARD (WALL MTD)
EH	ELECTRIC POWER HINGE
DC	DOOR CONTACT
MID	MOTION INTRUSION DETECTOR
SSTV	SECURITY SURVEILLANCE TELEVISION
C	CAMERA
C	360 CAMERA
M T	CARD ACCESS READER; LETTER INDICATES AS FOLLOWS: M=MOUNT C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE B-BARCODE M-MAG STRIP F-ELEVATOR FLOOR CALL P-PROXIMITY H-ELEVATOR HALL CALL S-SMART CARD T-TOKEN
M T	ELECTRONIC LOCK; LETTER INDICATES AS FOLLOWS: M=MOUNT C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE D-DEADBOLT H-HYBRID L-LATCH SET M-MAGNETIC S-STRIKE
M T	INTERCOM; LETTER INDICATES AS FOLLOWS: M=MOUNT C-CEILING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE M-MASTER S-SUBSTATION
	DURESS/PANIC ALARM PUSH BUTTON
DH	ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET

ELECTRICAL LEGEND (DETAILS)

SYMBOL	DESCRIPTION
	DELTA CONNECTION
	MOTOR, SINGLE-PHASE
	MOTOR, THREE-PHASE
	TRANSFORMER
	WYE CONNECTION
	EARTH GROUND
J	JUNCTION BOX
PB	PULL BOX
	PRESSURE SWITCH-CLOSE ON INCREASE
	PRESSURE SWITCH-OPEN ON INCREASE
	SWITCH, MULTIPOSITION
	SWITCH, NORMALLY CLOSED FLOAT
	SWITCH, NORMALLY CLOSED FOOT OPERATED
	SWITCH, NORMALLY CLOSED LIMIT
	SWITCH, NORMALLY CLOSED TEMPERATURE ACTIVATED
	SWITCH, NORMALLY CLOSED TIME DELAY
	SWITCH, NORMALLY OPEN FLOAT
	SWITCH, NORMALLY OPEN LIMIT
	SWITCH, NORMALLY OPEN TEMPERATURE ACTIVATED
	SWITCH, NORMALLY OPEN TIME DELAY
	SWITCH, SINGLE BREAK
	NORMALLY CLOSED RELAY CONTACT
	NORMALLY OPEN RELAY CONTACT
	FUSE WITH RATING
	MOLDED CASE CIRCUIT BREAKER
	LOW-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
O.C.B.	HIGH-VOLTAGE OIL CIRCUIT BREAKER
	HIGH-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
	SWITCH AND FUSE UNIT
	FUSED DRAWOUT POTENTIAL TRANSFORMER
R 50	INSTANTANEOUS OVERCURRENT RELAY
R 51	AC-TIME OVERCURRENT RELAY
R 67	AC-DIRECTIONAL OVERCURRENT RELAY
R 86	LOCKING OUT RELAY
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	FUSIBLE LINK
	STARTER, COMBINATION WITH DISCONNECT SWITCH
	STARTER OR MOTOR CONTROLLER
TC	TIME CLOCK
G	GENERATOR, POWER
+ −	BATTERY
	CAPACITOR
	POTHEAD
	STRESS CONE
	LIGHTNING ARRESTOR
R	RECTIFIER, CATHODIC PROTECTION SANITARY
M	METER
A	AMMETER
V	VOLTMETER
W	WATTMETER
WH	WATT-HOUR METER

ELECTRICAL ABBREVIATIONS

1PH	SINGLE-PHASE
1P	SINGLE POLE
2/C	TWO-CONDUCTOR
3/C	THREE-CONDUCTOR
3PH	THREE-PHASE
4/C	FOUR-CONDUCTOR
4W	FOUR-WIRE
AAP	ALARM ANNUNCIATOR PANEL
AC	ALTERNATING CURRENT OR ARMORED CABLE
ACC	ACCESSIBLE
ADO	AUTOMATIC DOOR OPENER
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE FAULT CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AMPERE HOUR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
ASC	AMPS SHORT CIRCUIT
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISH FLOOR
BLDG	BUILDING
BPIP	BOILER PLANT INSTRUMENTATION PANEL
BRKR	BREAKER
BYP	BY PASS
C	CONDUIT
CAB	CABINET
CALC	CALCULATE
CAP	CAPACITY
CAT	CATALOG
CATV	COMMUNITY ANTENNA TELEVISION
CCR	CONTROL CONTACTOR
CCTV	CLOSED CIRCUIT TELEVISION
cd	CANDELA
CD	CONSTRUCTION DOCUMENTS
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CKT	CIRCUIT
CKT BRKR	CIRCUIT BREAKER
CLF	CURRENT LIMITING FUSE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COAX	COAX CABLE
COMM	COMMUNICATION
CONC	CONCRETE
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CPT	CONTROL POWER TRANSFORMER
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
CU FT	CUBIC FEET
CUR	CURRENT
DAS	DISTRIBUTED ANTENNA SYSTEM
DB	DECIBEL
DC	DIRECT CURRENT
DCP	DIMMER CONTROL PANEL
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLITION
DIAG	DIAGRAM
DISC	DISCONNECT
DISTR	DISTRIBUTION
DISTR PNL	DISTRIBUTION PANEL
DMR SW	DIMMER SWITCH
DN	DOWN
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DRSW	DOOR SWITCH
DS	DISCONNECT SWITCH
DWG	DRAWING
EC	EMPTY CONDUIT
EG	EQUIPMENT GROUND
EL	ELEVATION

ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMCP	EMERGENCY MONITORING CONTROL PANEL
EMER	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EPO	EMERGENCY POWER OFF
EPRF	EXPLOSION PROOF
ESMT	EASEMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FABL	FIRE ALARM BELL
FABX	FIRE ALARM BOX
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METALLIC CONDUIT
FLT	FLOODLIGHT
FLUOR	FLUORESCENT
FLUOR FIX	FLUORESCENT FIXTURE
FOUTT	TELEPHONE FLOOR OUTLET
FP	FIRE PROTECTION
FT	FEET OR FOOT
FU SW	FUSED SWITCH
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
G OR GND	GROUND
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GTB	GROUND TERMINAL BOX
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HT	HEIGHT
HZ	HERTZ
IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
IWH	INSTANTANEOUS WATER HEATER
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAH	KILOVOLT AMPERE PER HOUR
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWH	KILOWATT HOUR
kWHM	KILOWATT HOUR METER
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LM	LUMEN
LP	LIGHT POLE
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LT	LIGHT
LTG	LIGHTING
LTG PNL	LIGHTING PANEL
LTNG	LIGHTNING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL-CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT-AMPERE

MW	MEGAWATT MICROWAVE
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT OR N	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NS	NO SCALE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OWNER FURNISHED
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OL	OVERLOAD
OS	OCCUPANCY SENSOR
P	POLE
PA	PUBLIC ADDRESS
PB	PANELBOARD, PULL BOX, OR PUSHBUTTON
PBPU	PREFABRICATED BEDSIDE PATIENT UNIT
PCB	POLYCHLORINATED BIPHENYL
PEC	PHOTOELECTRIC CELL
PED	PEDESTAL
PEND	PENDANT
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
POD	POWER OPERATED DAMPER
PT	POTENTIAL TRANSFORMER
PTRV	POWER TYPE ROOF VENTILATION
PVC	POLYVINYL CHLORIDE (PLASTIC)
PWR	POWER
RCP	REFLECTED CEILING PLAN
REC	RECESSED
RECPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMS	ROOT MEAN SQUARE
REQD	REQUIRED
SCC	SHORT CIRCUIT CAPACITY
SES	SERVICE ENTRANCE SECTION
SD	SMOKE DETECTOR
SF	SQUARE FOOT (FEET)
SHT	SHEET
SI	INTERNATIONAL SYSTEM OF UNITS
SPEC	SPECIFICATION
SPST	SINGLE POLE, SINGLE THROW
SPDT	SINGLE POLE, DOUBLE THROW
SURF	SURFACE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TC	TIME CLOCK
TEL	TELEPHONE
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UFD	UNDERFLOOR DUCT
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY
V	VOLT
VA	VOLT AMPERE
VAR	VOLT AMPERE REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
VOLT	VOLTAGE
VS	VACANCY SENSOR
W	WATT
WH	WATER HEATER
WP	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
E-0.00	ELECTRICAL LEGEND AND ABBREVIATIONS
E-1.01	BASEMENT ELECTRICAL PLANS
E-1.02	BASEMENT I&C PLANS AND ALARM PANEL COMMUNICATION DETAIL
E -1.11	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
E-1.12	FIRST FLOOR NEW ELECTRICAL PLAN
E -1.21	SECOND FLOOR ELECTRICAL DEMOLITION PLAN AREA 1
E-1.22	SECOND FLOOR ELECTRICAL DEMOLITION PLAN AREA 2
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E-1.31	THIRD FLOOR ELECTRICAL DEMOLITION PLAN
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E-1.41	FOURTH FLOOR ELECTRICAL DEMOLITION PLAN
E-1.412	FOURTH FLOOR NEW ELECTRICAL PLAN

100% CONSTRUCTION DOCUMENTS

Revisions: | Date

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FOURFRONT DESIGN INC.

Drawing Title: ELECTRICAL LEGENDS & ABBREVIATIONS

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

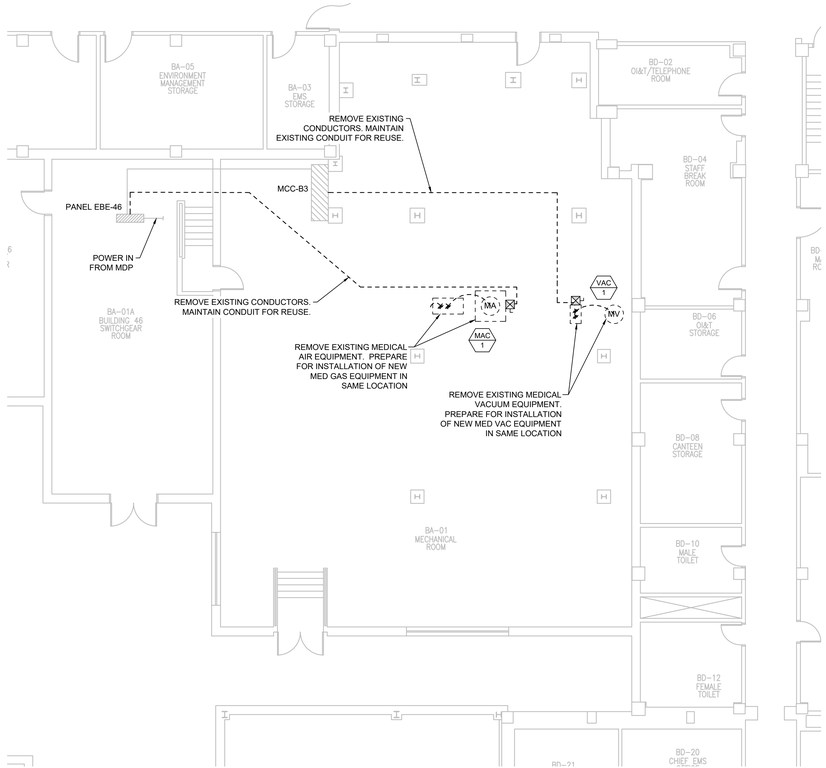
Building Numbers: 1,9,46

Drawing Number: E-000

Dwg. 28 of 40

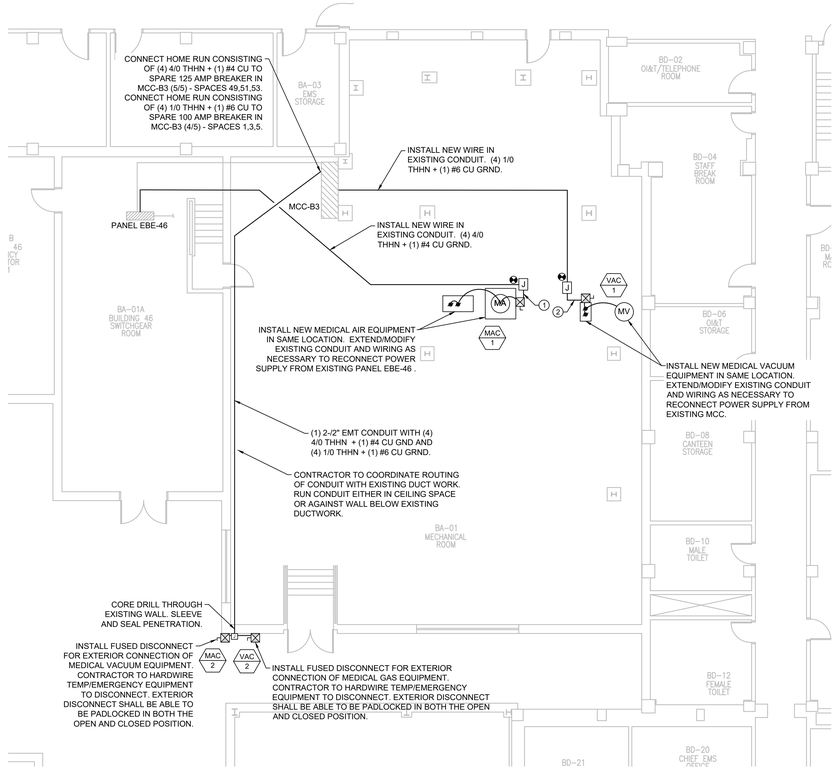
Office of Construction and Facilities Management

Department of Veterans Affairs



1 E-1.01 BASEMENT - ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'



2 E-1.01 BASEMENT - ELECTRICAL REMODEL PLAN

SCALE: 1/8" = 1'

GENERAL ELECTRICAL NOTES

REFER TO PHASING PLANS FOR PROPOSED ORDER OF WORK TO BE COMPLETED. CONTRACTOR TO SCHEDULE ALL PHASES WITH THE VA/COR PRIOR TO ANY WORK BEING STARTED.

REFER TO PLUMBING SHEETS FOR ALARM PANEL REPLACEMENT LOCATIONS. RE-USE EXISTING ALARM PANEL POWER FOR NEW ALARM PANELS.

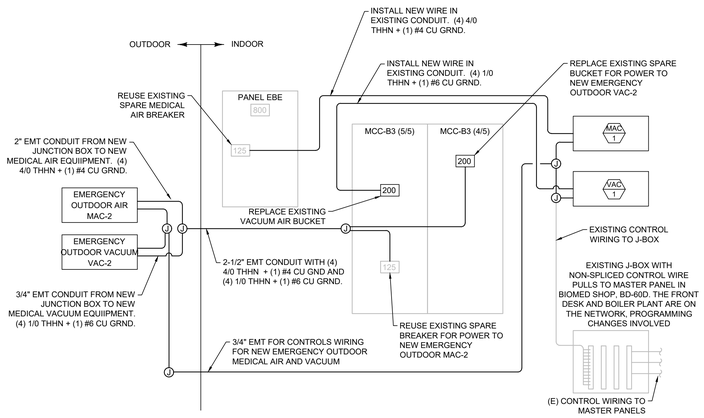
KEYED ELECTRICAL NOTES

1. 1-1/2" EMT CONDUIT FROM NEW JUNCTION BOX TO NEW MEDICAL AIR EQUIIPMENT. (4) #2 THHN + (1) #6 CU GRND.
2. 3/4" EMT CONDUIT FROM NEW JUNCTION BOX TO NEW MEDICAL VACUUM EQUIIPMENT. (4) #10 THHN + (1) #10 CU GRND.

SCHEDULE OF DISCONNECTS

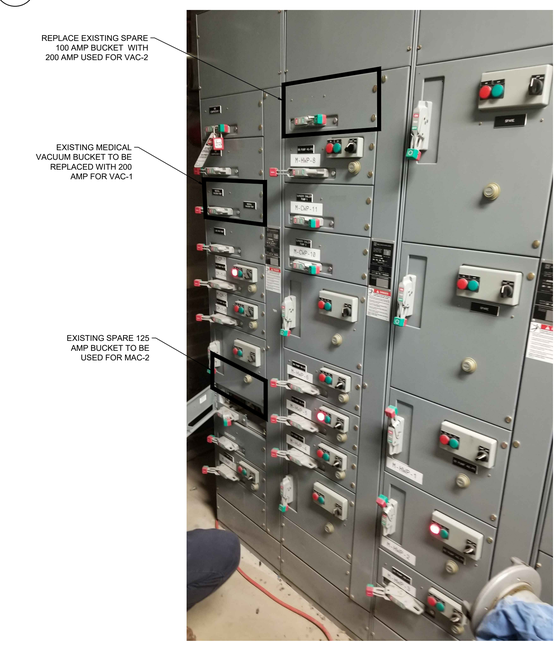
EQUIPMENT	CONNECTED LOAD						DISCONNECT			FUSE			FEEDER			NOTES
	HP.	W	FLA	MCA	PH	VOLTS	TYPE	MFR.	CATALOG NO.	TYPE	SIZE	POLES	SIZE	TYPE	GRND	
MAC-1	50	-	150	-	3	208	STARTER/DISCONNECT	SCHNEIDER ELECTRIC	SGG15208H30	CLASS H FUSE CLIP	200A	3	(4) 4/0	THHN	#4	1
VAC-1	26	-	90	-	3	208	STARTER/DISCONNECT	SCHNEIDER ELECTRIC	SFG15208H30	CLASS H FUSE CLIP	120A	3	(4) 1/0	THHN	#6	1
MAC-2	50	-	150	-	3	208	STARTER/DISCONNECT	SCHNEIDER ELECTRIC	SGW15208H30	CLASS H FUSE CLIP	200A	3	(4) 4/0	THHN	#4	1
VAC-2	26	-	150	-	3	208	STARTER/DISCONNECT	SCHNEIDER ELECTRIC	SFW15208H30	CLASS H FUSE CLIP	120A	3	(4) 1/0	THHN	#6	1

NOTES:
1. MANUFACTURER SHOWN AS BASIS OF DESIGN. APPROVED EQUALS TO BE ALLOWED.



3 E-1.01 ELECTRICAL SCHEMATIC DIAGRAM

SCALE: NTS



4 E-1.01 EXISTING MCC

SCALE: NTS

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

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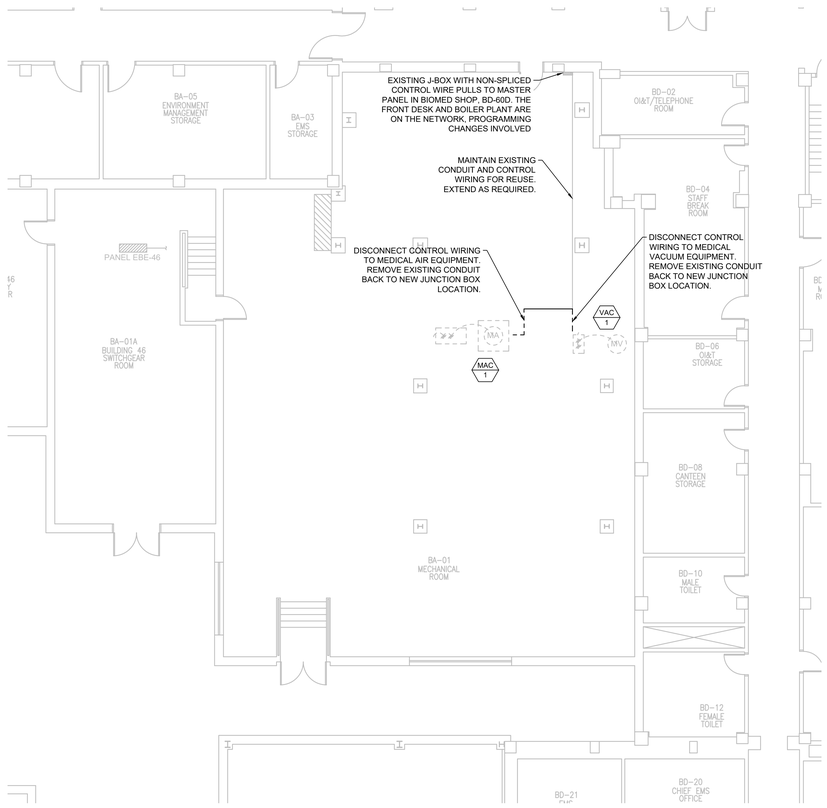
Drawing Title: BASEMENT ELECTRICAL PLANS	Project Title: UPGRADE MEDICAL GAS SYSTEMS		Project Number: 437-21-160
Approved: Project Director: Fargo VA Health Care System	Location: 2101 ELM ST N, FARGO, ND 58102		Building Numbers: 1,9,46
	Date: 07/07/2021	Checked: RD / Drawn: PM	Drawing Number: E-1.01
			Dwg. 29 of 40

Office of Construction and Facilities Management

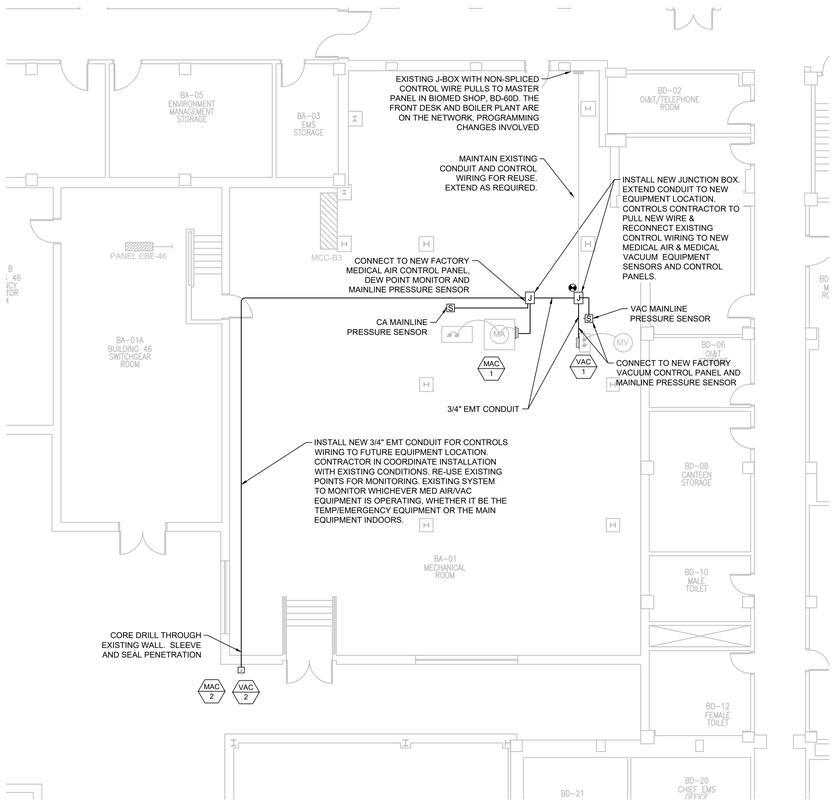
Department of Veterans Affairs

VA FORM 08-6231



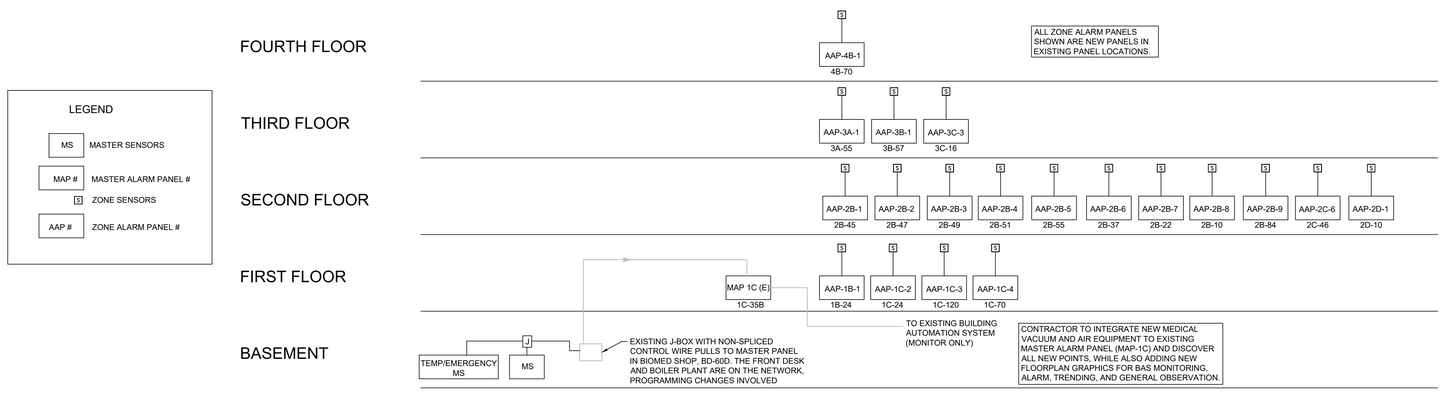
1 E-1.02 BASEMENT - I&C DEMOLITION PLAN

SCALE: 1/8" = 1'



2 E-1.02 BASEMENT - I&T REMODEL PLAN

SCALE: 1/8" = 1'



3 E-1.02 ALARM PANEL WIRING AND COMMUNICATION DETAIL

SCALE: NTS

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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Drawing Title: BASEMENT I&C PLANS AND ALARM PANEL COMMUNICATION DETAIL

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

Building Numbers: 1,9,46

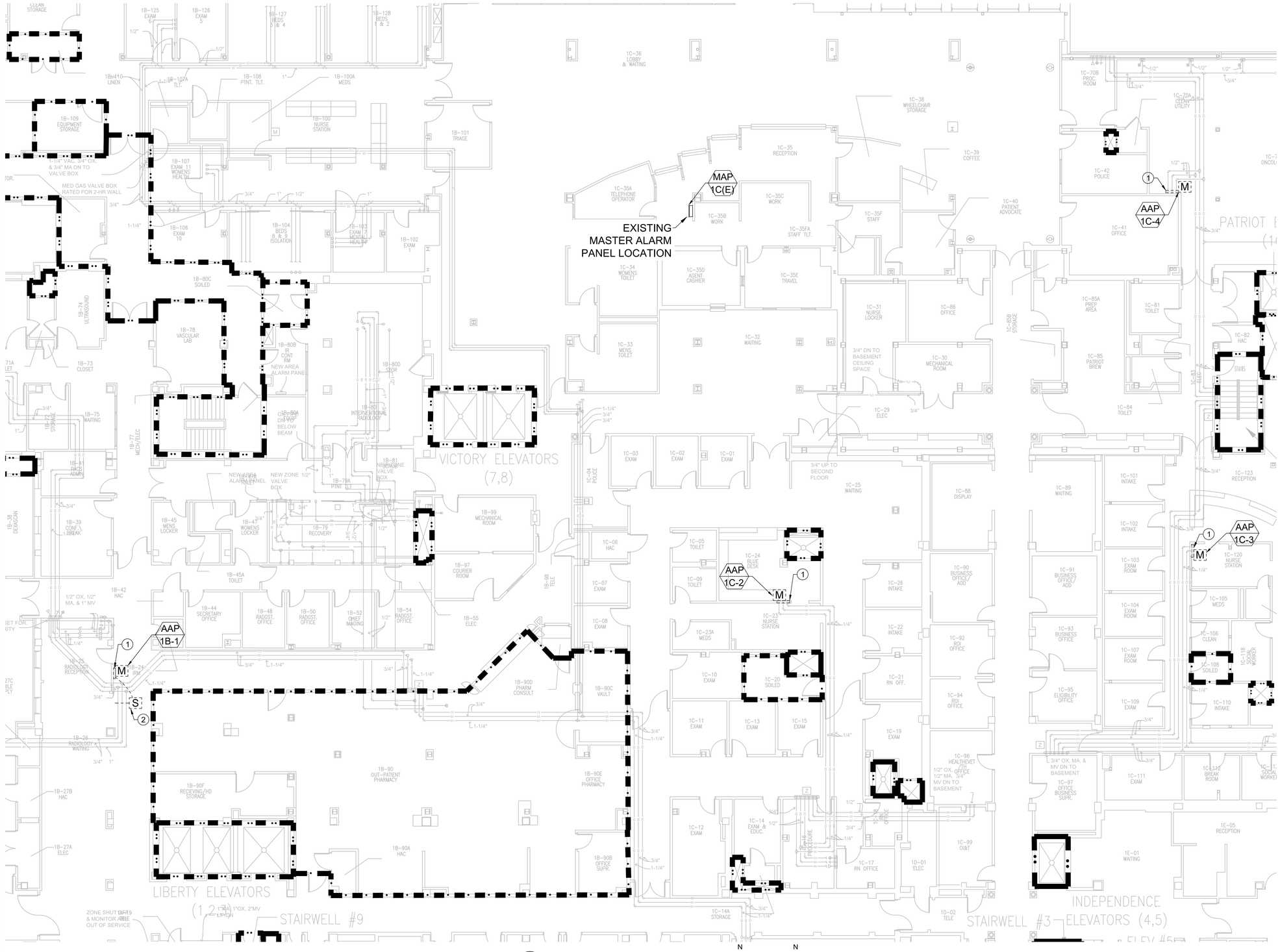
Drawing Number: E-1.02

Dwg. 30 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

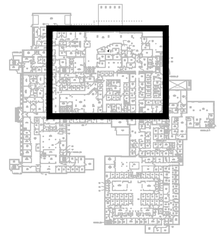


GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① REMOVE EXISTING ZONE ALARM PANEL. EXISTING POWER TO BE RE-USED WITH NEW ALARM PANEL SHOWN IN THESE PLANS, EXTEND AS REQURIED.
② REMOVE EXISTING ZONE ALARM PRESSURE SENSORS AND ASSOCIATED WIRING.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL



KEY PLAN - FIRST FLOOR

1 / E-1.11 FIRST FLOOR - ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'

N PLAN NORTH

N TRUE NORTH

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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Drawing Title: FIRST FLOOR ELECTRICAL DEMOLITION PLANS

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Project Number: 437-21-160

Building Numbers: 1,9,46

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

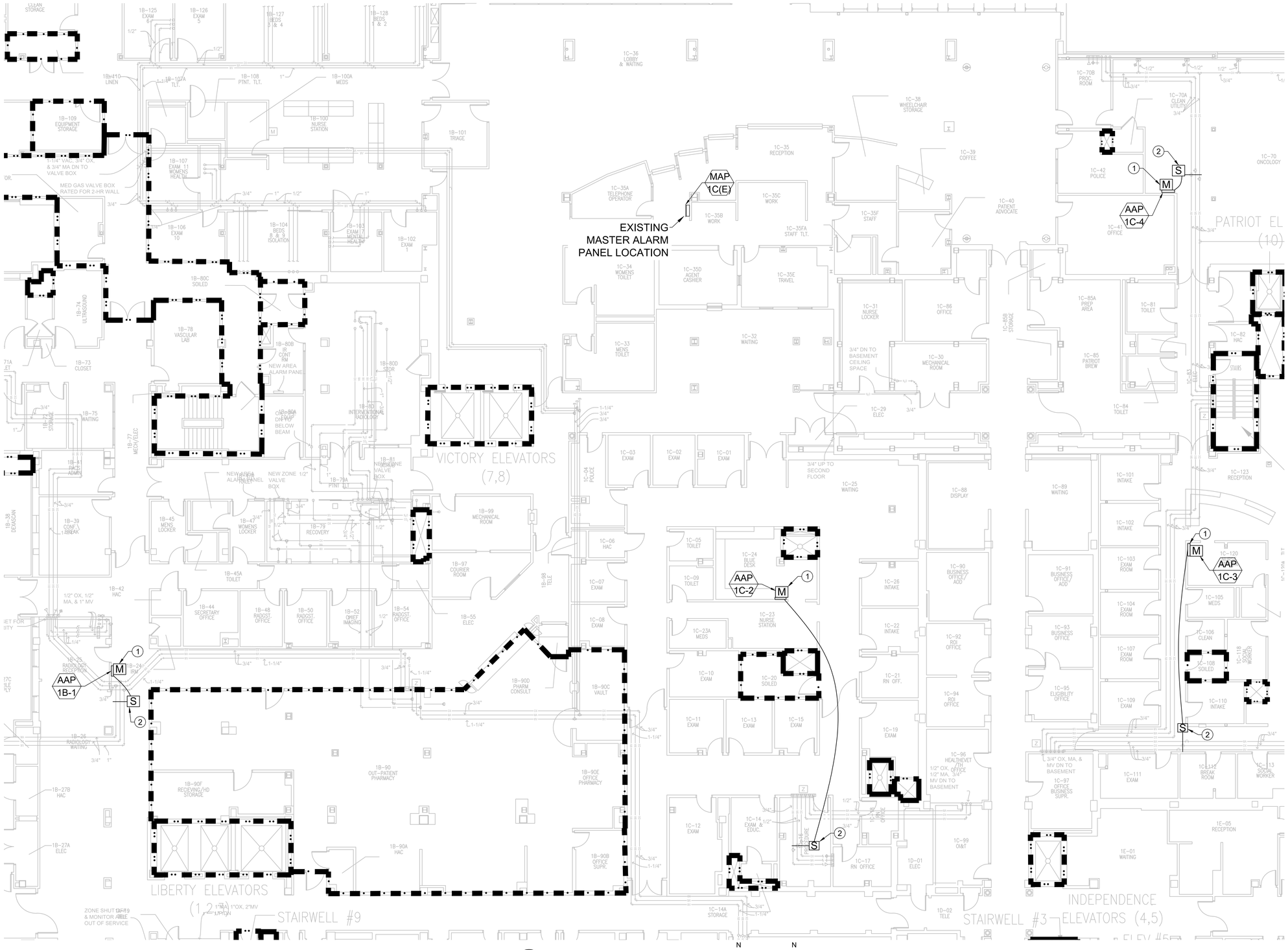
Drawing Number: E-1.11

Dwg. 31 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

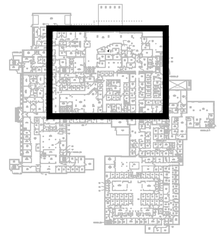


GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① INSTALL NEW ZONE ALARM PANEL. RE-USE EXISTING POWER, EXTEND AS REQUIRED.
② WIRE NEW ZONE ALARM PRESSURE SENSORS BACK TO ALARM PANEL. CONTRACTOR TO AVOID PENETRATING SMOKE AND FIRE BARRIERS WHENEVER POSSIBLE.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL



KEY PLAN - FIRST FLOOR

1 / E-1.12 FIRST FLOOR - NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'

N PLAN NORTH

N TRUE NORTH

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

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Drawing Title: FIRST FLOOR NEW ELECTRICAL PLANS

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

Building Numbers: 1,9,46

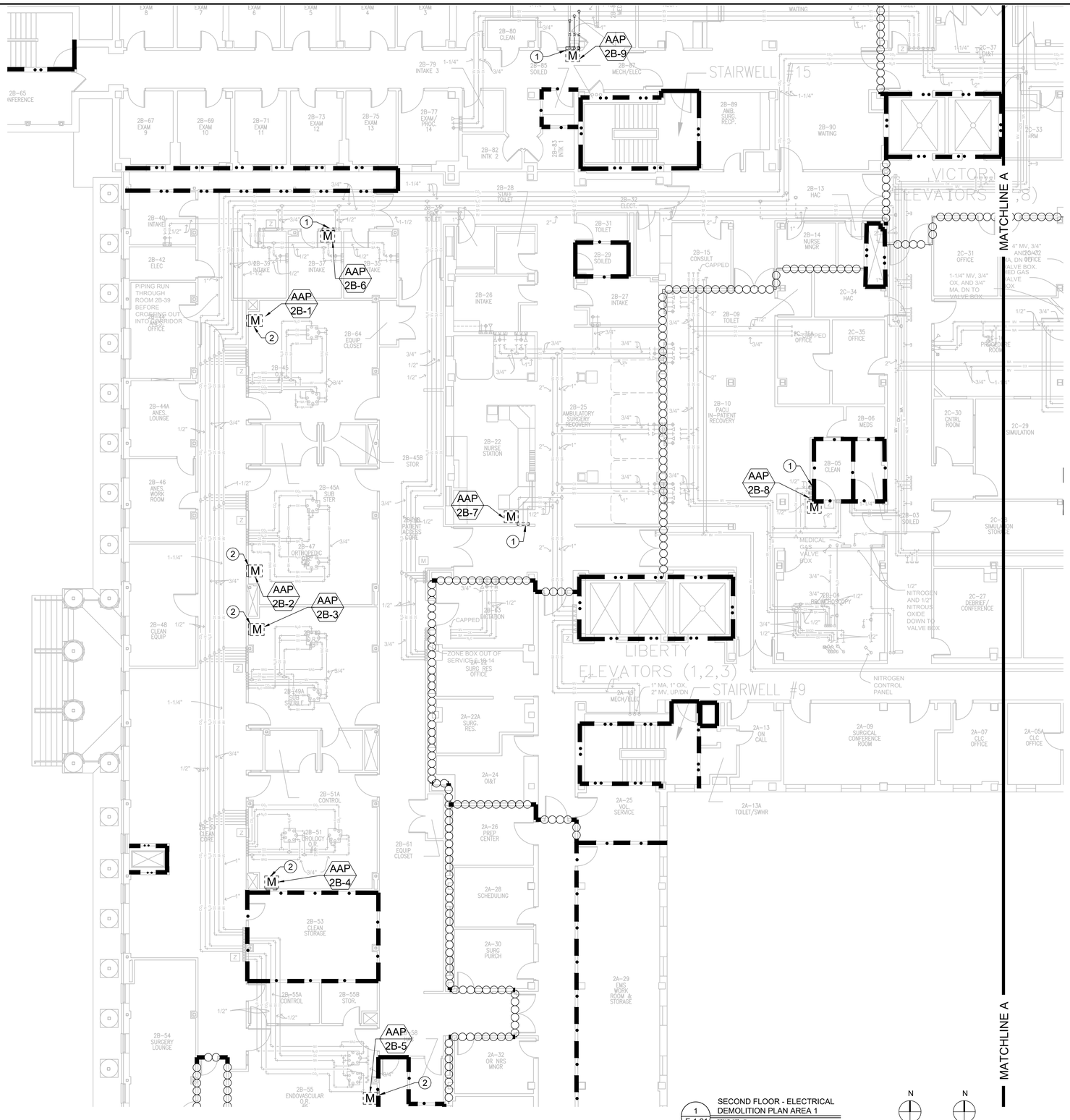
Drawing Number: E-1.12

Dwg. 32 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 E-1.21 SECOND FLOOR - ELECTRICAL DEMOLITION PLAN AREA 1
SCALE: 1/8" = 1'

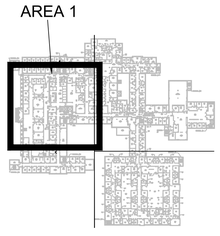
N PLAN NORTH N TRUE NORTH

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① REMOVE EXISTING ZONE ALARM PANEL. EXISTING POWER TO BE RE-USED WITH NEW ALARM PANEL SHOWN IN THESE PLANS, EXTEND AS REQUIRED.
② REMOVE EXISTING SURGERY SUITE ZONE ALARM PANEL, PRESSURE SENSORS, AND ASSOCIATED WIRING. SENSORS LOCATED ABOVE HARD LID CEILING IN SURGERY SUITE. EXISTING POWER TO BE RE-USED WITH NEW ALARM PANEL SHOWN IN THESE PLANS, EXTEND AS REQUIRED.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER



KEY PLAN - SECOND FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions: Date

CONSULTANTS:

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Drawing Title: SECOND FLOOR - ELECTRICAL DEMOLITION PLAN AREA 1

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

Building Numbers: 1,9,46

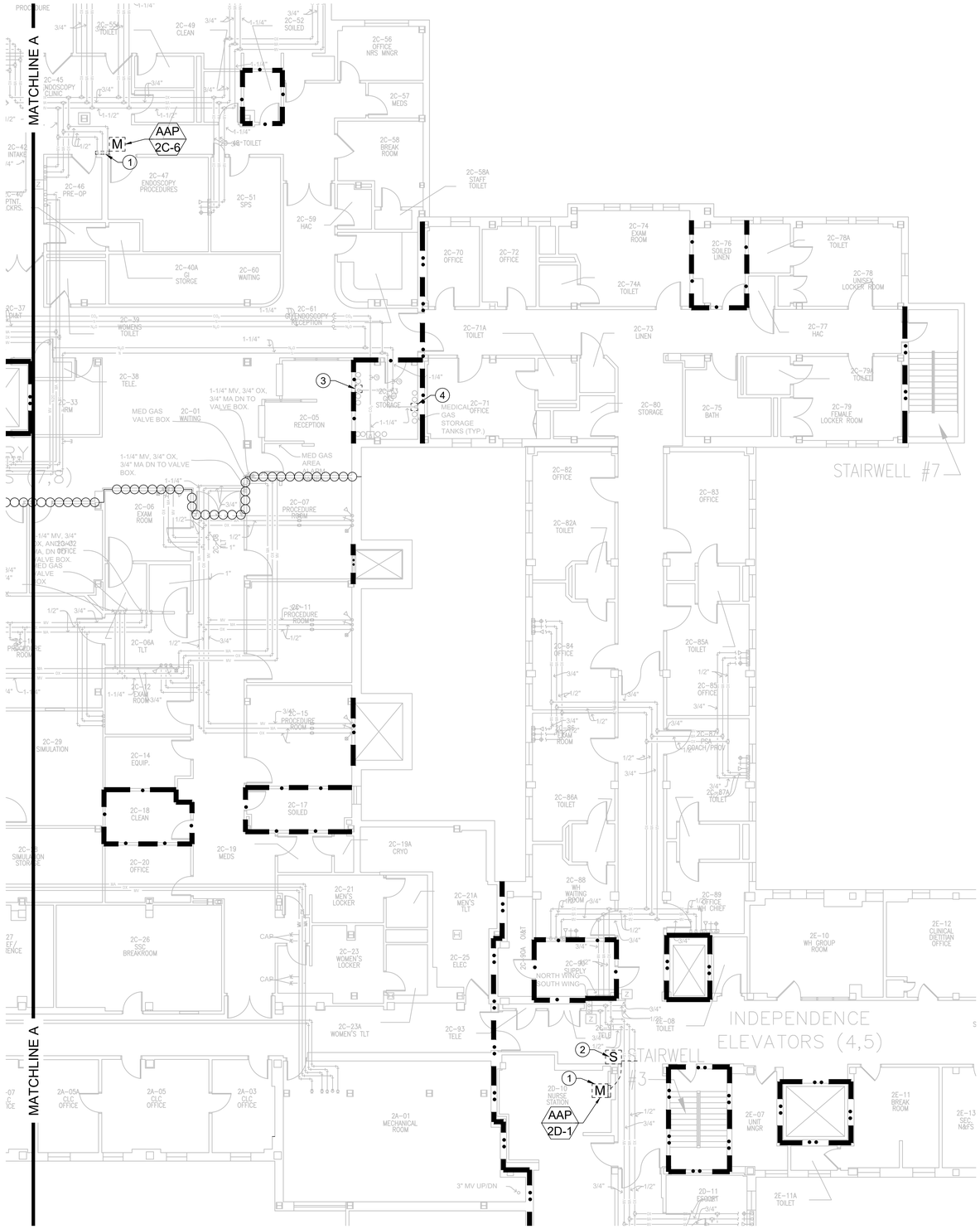
Drawing Number: E-1.21

Dwg. 33 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 / E-1.22 SECOND FLOOR - ELECTRICAL DEMOLITION PLAN AREA 2

SCALE: 1/8" = 1'

N PLAN NORTH

N TRUE NORTH

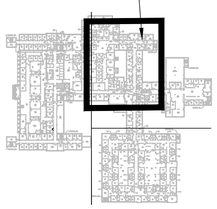
GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① REMOVE EXISTING ZONE ALARM PANEL. EXISTING POWER TO BE RE-USED WITH NEW ALARM PANEL SHOWN IN THESE PLANS, EXTEND AS REQUIRED.
② REMOVE EXISTING ZONE ALARM PRESSURE SENSORS AND ASSOCIATED WIRING.
③ EXISTING NITROUS MANIFOLD TO BE REMOVED. EXISTING POWER TO BE RE-USED WITH NEW MANIFOLD, EXTEND AS REQUIRED.
④ EXISTING NITROGEN AND NITROUS MANIFOLDS TO BE REMOVED. EXISTING POWER TO BE RE-USED WITH NEW MANIFOLDS, EXTEND AS REQUIRED.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER

AREA 2



KEY PLAN - SECOND FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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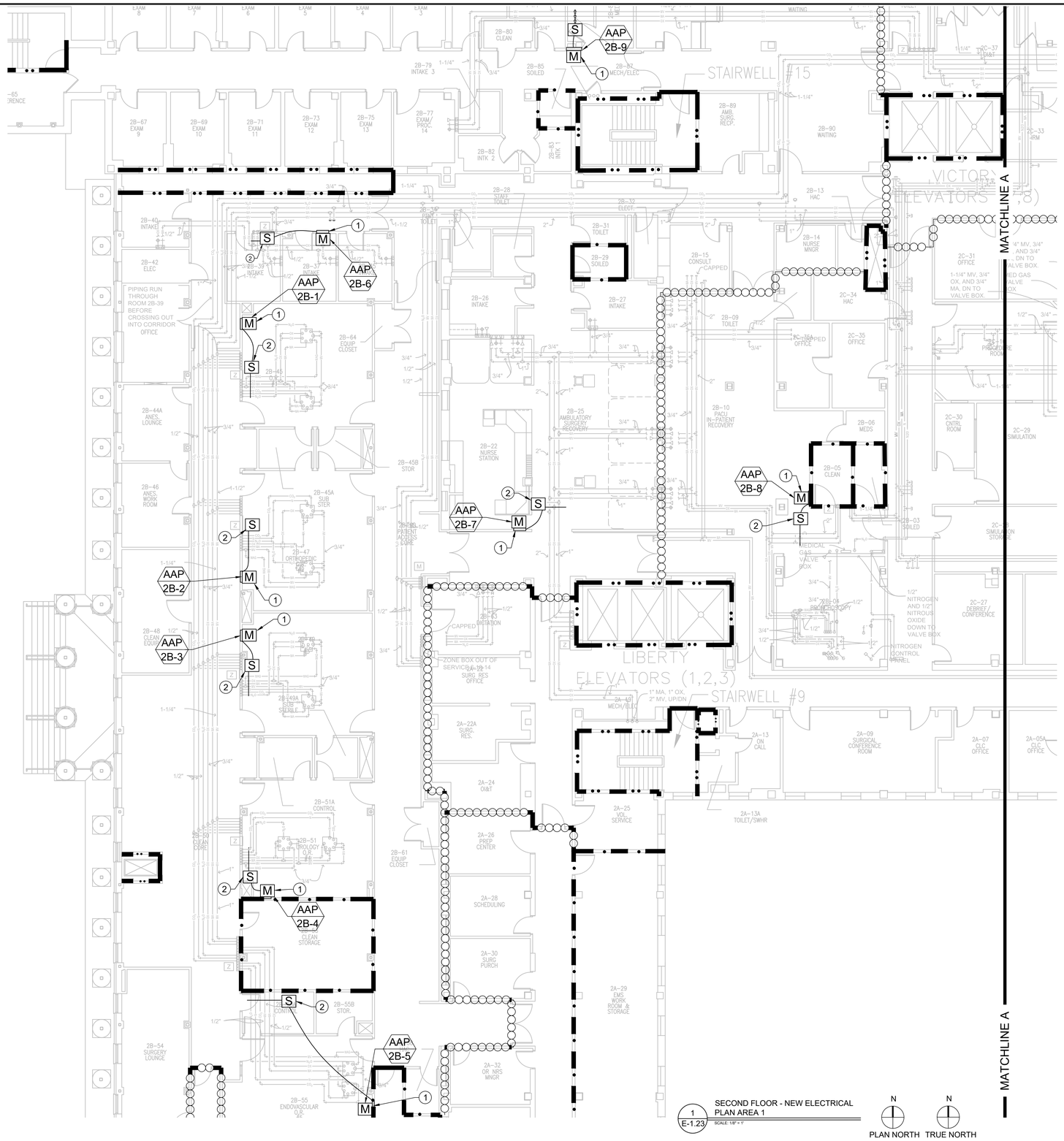
FOURFRONT DESIGN INC.

Drawing Title	SECOND FLOOR - ELECTRICAL DEMOLITION PLAN AREA 2
Approved: Project Director	Fargo VA Health Care System
Project Title	UPGRADE MEDICAL GAS SYSTEMS
Location	2101 ELM ST N, FARGO, ND 58102
Date	07/07/2021
Checked	RD
Drawn	PM
Project Number	437-21-160
Building Numbers	1,9,46
Drawing Number	E-1.22
Dwg.	34 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 E-1.23 SECOND FLOOR - NEW ELECTRICAL PLAN AREA 1
SCALE: 1/8" = 1'

N PLAN NORTH

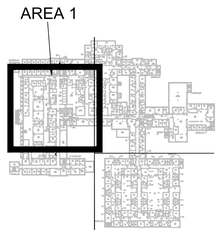
N TRUE NORTH

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① INSTALL NEW ZONE ALARM PANEL. RE-USE EXISTING POWER, EXTEND AS REQUIRED.
② WIRE NEW ZONE ALARM PRESSURE SENSORS BACK TO ALARM PANEL. CONTRACTOR TO AVOID PENETRATING SMOKE AND FIRE BARRIERS WHENEVER POSSIBLE.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER



KEY PLAN - SECOND FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions: Date

CONSULTANTS:

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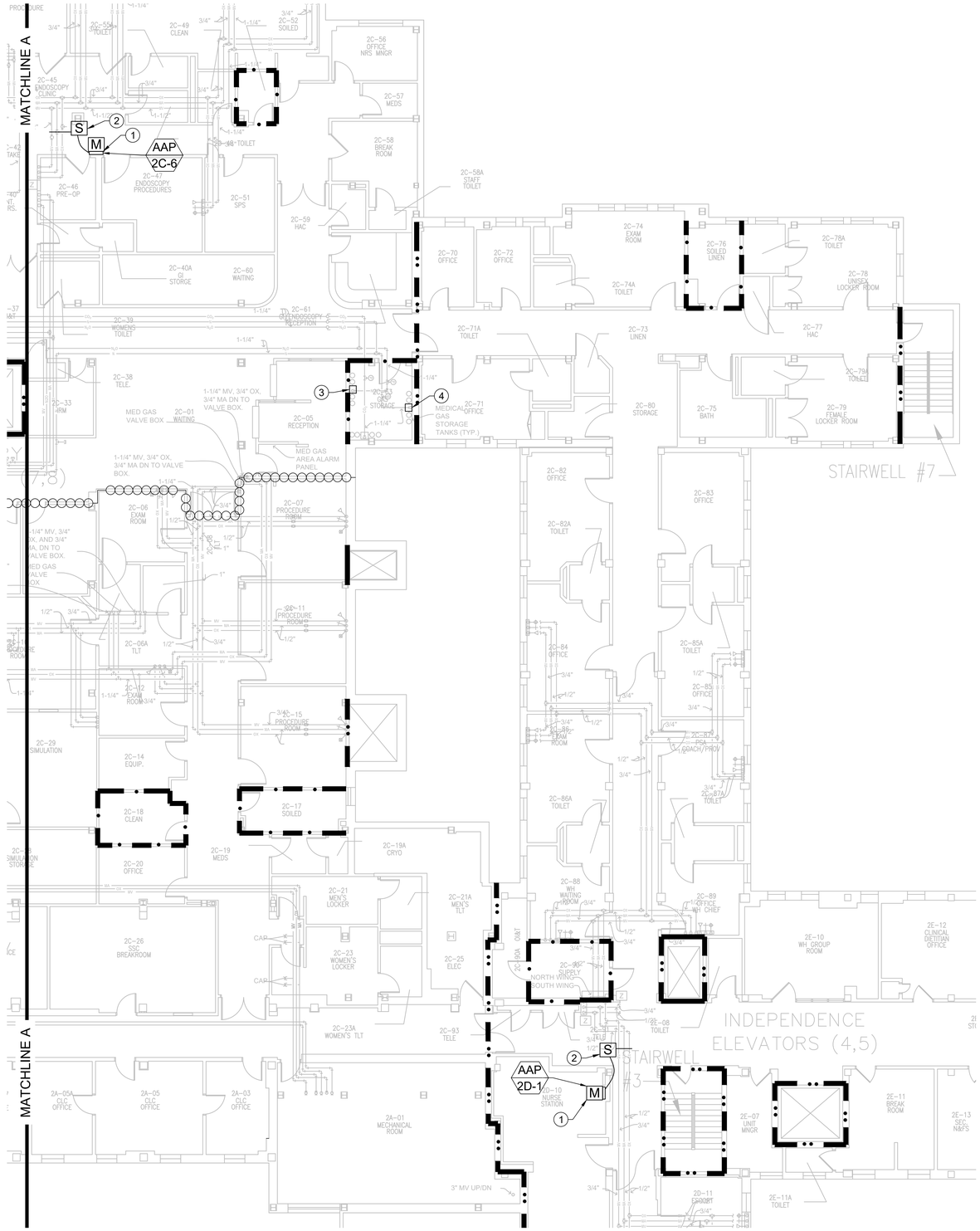
FOURFRONT DESIGN INC.

Drawing Title: SECOND FLOOR - NEW ELECTRICAL PLAN AREA 1	Project Title: UPGRADE MEDICAL GAS SYSTEMS		Project Number: 437-21-160
Approved: Project Director: Fargo VA Health Care System			Building Numbers: 1,9,46
	Location: 2101 ELM ST N, FARGO, ND 58102		Drawing Number: E-1.23
	Date: 07/07/2021	Checked: RD	Drawn: PM
			Dwg. 35 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 E-1.24 SECOND FLOOR - NEW ELECTRICAL PLAN AREA 2

SCALE: 1/8" = 1'

N PLAN NORTH

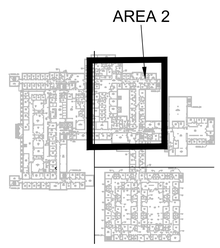
N TRUE NORTH

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① INSTALL NEW ZONE ALARM PANEL. RE-USE EXISTING POWER, EXTEND AS REQUIRED.
② WIRE NEW ZONE ALARM PRESSURE SENSORS BACK TO ALARM PANEL. CONTRACTOR TO AVOID PENETRATING SMOKE AND FIRE BARRIERS WHENEVER POSSIBLE.
③ RE-USE EXISTING POWER TO WIRE IN NEW NITROUS MANIFOLD, EXTEND AS REQUIRED.
④ RE-USE EXISTING POWER TO WIRE IN NEW NITROGEN MANIFOLD, EXTEND AS REQUIRED.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER



KEY PLAN - SECOND FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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ARCHITECT/ENGINEER

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Drawing Title: SECOND FLOOR - NEW ELECTRICAL PLAN AREA 2

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

Building Numbers: 1,9,46

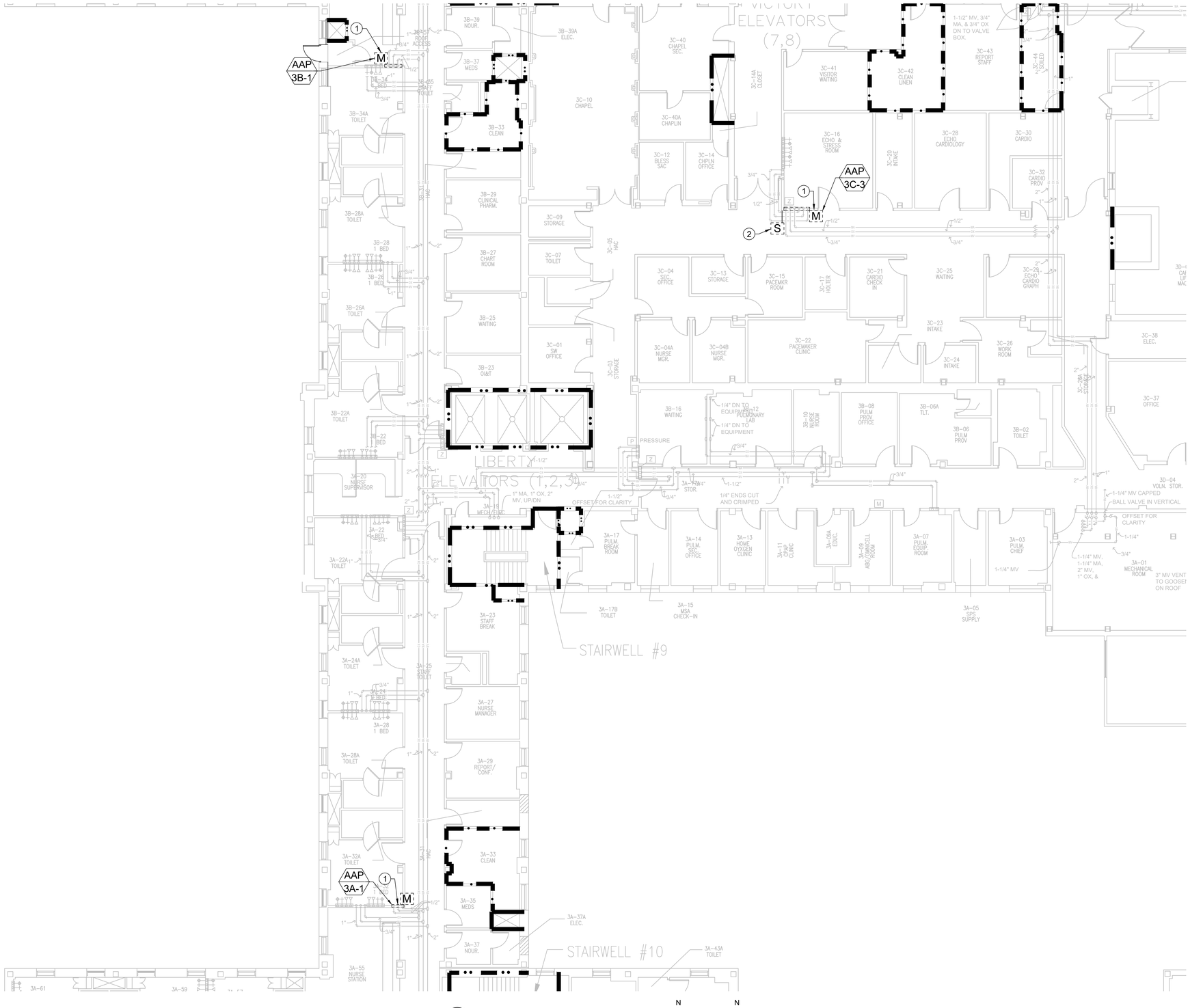
Drawing Number: E-1.24

Dwg. 36 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 E-1.31 THIRD FLOOR - ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'

N PLAN NORTH

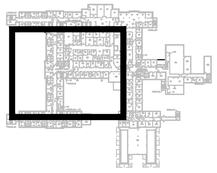
N TRUE NORTH

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① REMOVE EXISTING ZONE ALARM PANEL. EXISTING POWER TO BE RE-USED WITH NEW ALARM PANEL SHOWN IN THESE PLANS, EXTEND AS REQUIRED.
② REMOVE EXISTING ZONE ALARM PRESSURE SENSORS AND ASSOCIATED WIRING.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER



KEY PLAN - THIRD FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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FOURFRONT DESIGN INC.

Drawing Title: THIRD FLOOR ELECTRICAL DEMOLITION PLANS

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

Building Numbers: 1,9,46

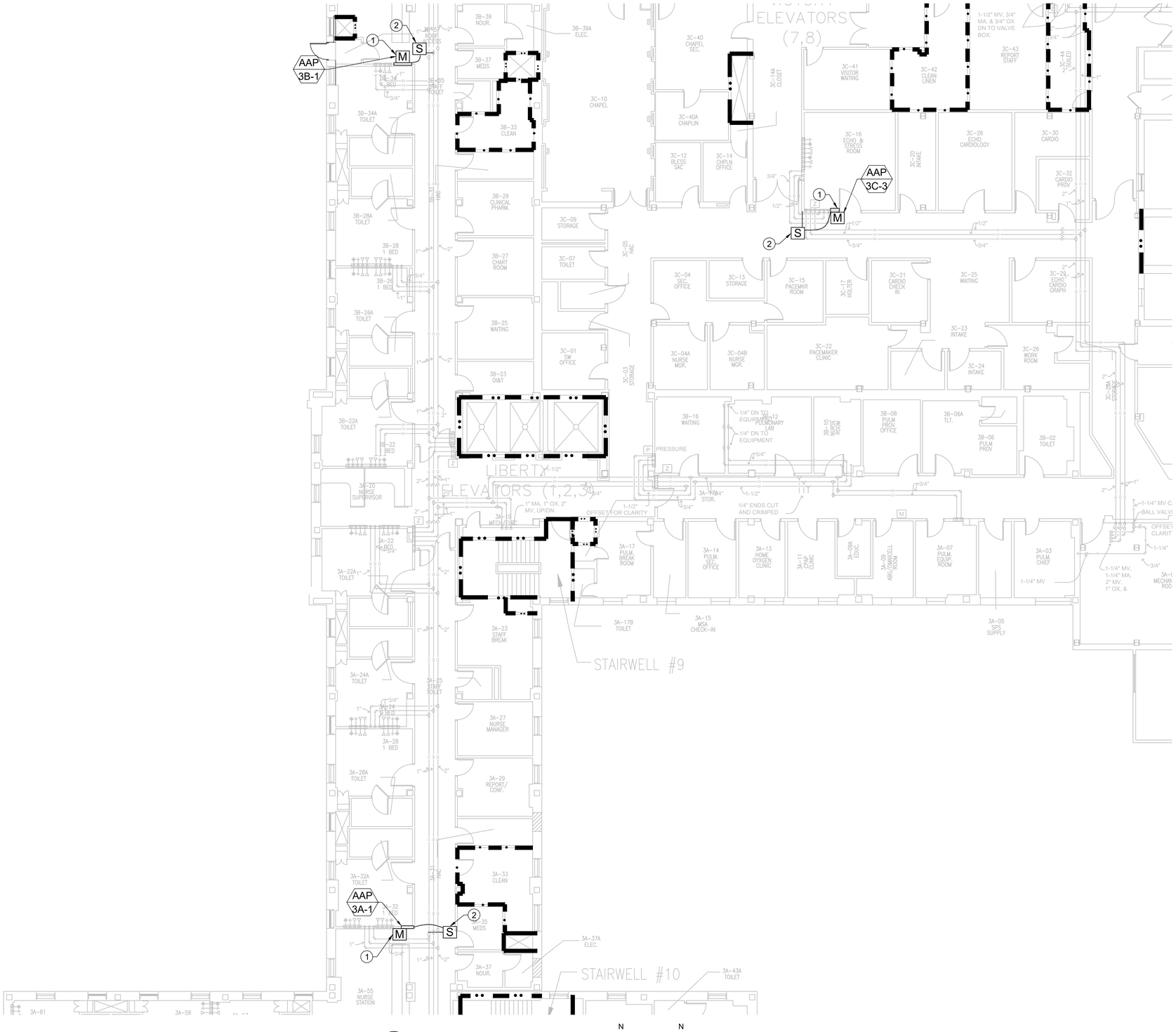
Drawing Number: E-1.31

Dwg. 37 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 / E-1.32 THIRD FLOOR - NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'

N PLAN NORTH

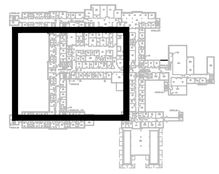
N TRUE NORTH

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
① INSTALL NEW ZONE ALARM PANEL. RE-USE EXISTING POWER, EXTEND AS REQUIRED.
② WIRE NEW ZONE ALARM PRESSURE SENSORS BACK TO ALARM PANEL. CONTRACTOR TO AVOID PENETRATING SMOKE AND FIRE BARRIERS WHENEVER POSSIBLE.

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER



KEY PLAN - THIRD FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

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FOURFRONT DESIGN INC.

Drawing Title: THIRD FLOOR NEW ELECTRICAL PLAN

Approved: Project Director: Fargo VA Health Care System

Project Title: UPGRADE MEDICAL GAS SYSTEMS

Location: 2101 ELM ST N, FARGO, ND 58102

Date: 07/07/2021 | Checked: RD | Drawn: PM

Project Number: 437-21-160

Building Numbers: 1,9,46

Drawing Number: E-1.32

Dwg. 38 of 40

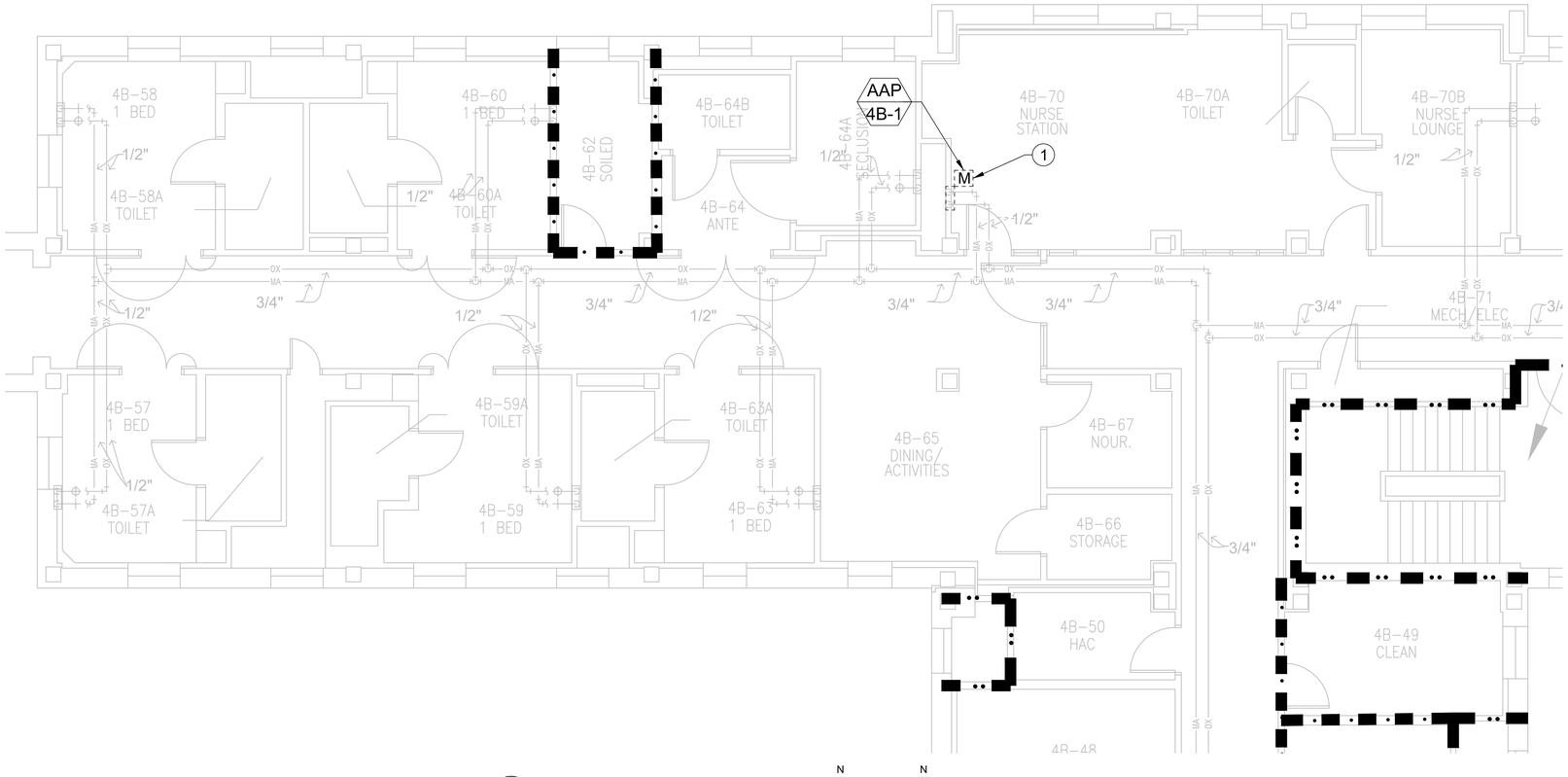
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.



1 / E-1.41 FOURTH FLOOR - ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'

N PLAN NORTH

N TRUE NORTH

KEYED ELECTRICAL NOTES

1. REMOVE EXISTING ZONE ALARM PANEL. EXISTING POWER TO BE RE-USED WITH NEW ALARM PANEL SHOWN IN THESE PLANS, EXTEND AS REQUIRED.

LINE LEGEND

- EXISTING
- DEMO
- NEW CONSTRUCTION
- M — ZONE ALARM PANEL
- S — ZONE ALARM SENSORS
- 1-HR FIRE RATED WALL
- 2-HR FIRE RATED WALL
- SMOKE BARRIER

KEY PLAN - FOURTH FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

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Drawing Title	FOURTH FLOOR ELECTRICAL DEMOLITION PLANS
Approved: Project Director	Fargo VA Health Care System
Project Title	UPGRADE MEDICAL GAS SYSTEMS
Project Number	437-21-160
Building Numbers	1,9,46
Location	2101 ELM ST N, FARGO, ND 58102
Date	07/07/2021
Checked	RD
Drawn	PM
Drawing Number	E-1.41
Dwg.	39 of 40

Office of Construction and Facilities Management

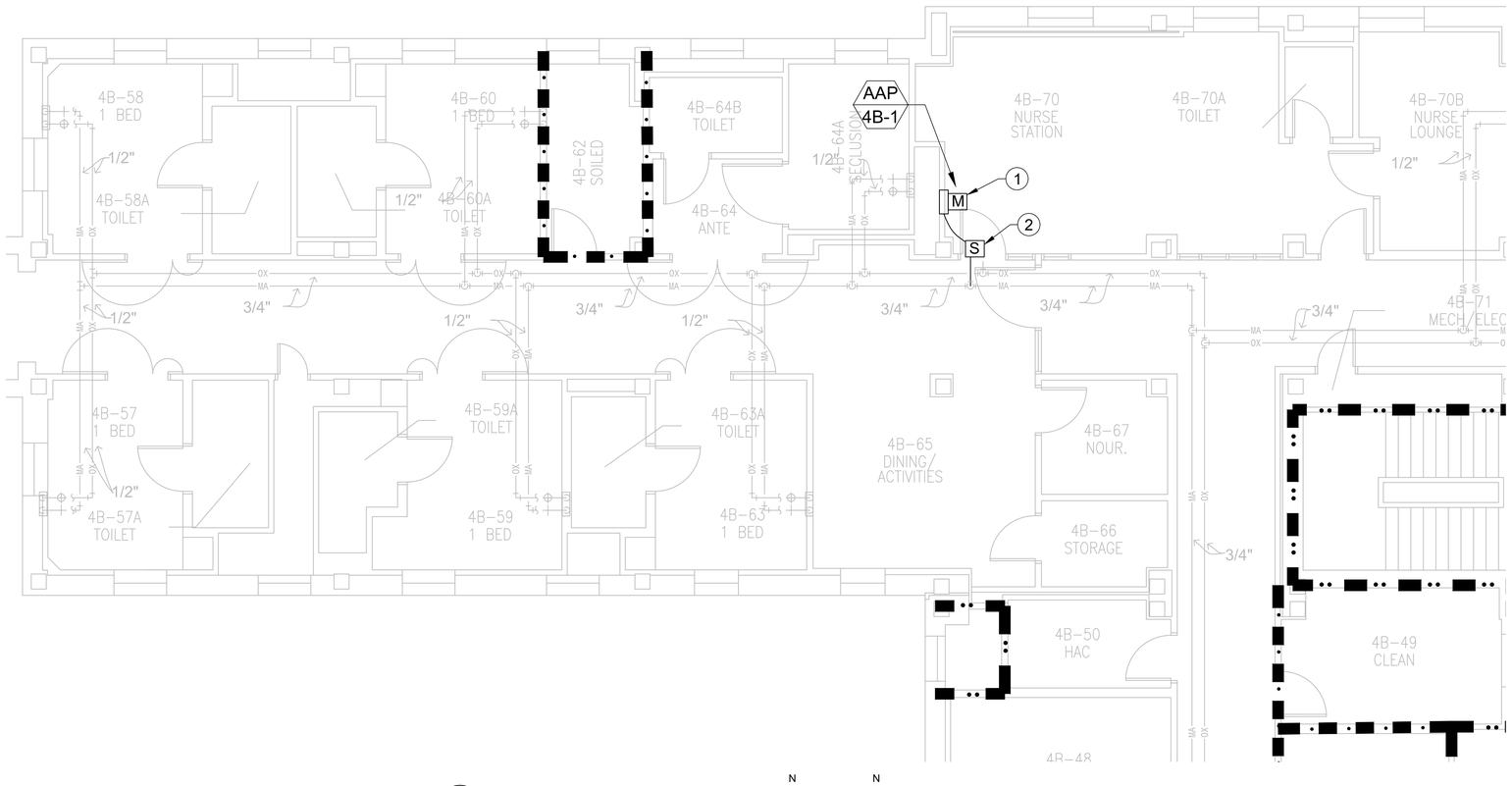
Department of Veterans Affairs

VA FORM 08-6231

GENERAL NOTES:

1. THERE ARE OTHER UTILITIES, EQUIPMENT, ETC IN THIS SPACE THAT ARE NOT SHOWN FOR CLARITY. CONTRACTOR TO ACCOUNT FOR THESE ITEMS.
2. CONTRACTOR TO SCHEDULE WORK WITH THE VA COR.

KEYED ELECTRICAL NOTES
1 INSTALL NEW ZONE ALARM PANEL. RE-USE EXISTING POWER, EXTEND AS REQUIRED.
2 WIRE NEW ZONE ALARM PRESSURE SENSORS BACK TO ALARM PANEL. CONTRACTOR TO AVOID PENETRATING SMOKE AND FIRE BARRIERS WHENEVER POSSIBLE.

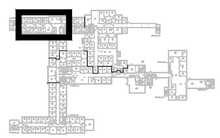


1 / E-1.42 FOURTH FLOOR - NEW ELECTRICAL PLAN
SCALE: 1/4" = 1'

N PLAN NORTH

N TRUE NORTH

LINE LEGEND	
	EXISTING
	DEMO
	NEW CONSTRUCTION
M	ZONE ALARM PANEL
S	ZONE ALARM SENSORS
	1-HR FIRE RATED WALL
	2-HR FIRE RATED WALL
	SMOKE BARRIER



KEY PLAN - FOURTH FLOOR

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

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Drawing Title	FOURTH FLOOR NEW ELECTRICAL PLAN
Approved: Project Director	Fargo VA Health Care System
Project Title	UPGRADE MEDICAL GAS SYSTEMS
Project Number	437-21-160
Building Numbers	1,9,46
Location	2101 ELM ST N, FARGO, ND 58102
Date	07/07/2021
Checked	RD
Drawn	PM
Drawing Number	E-1.42
Dwg.	40 of 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231