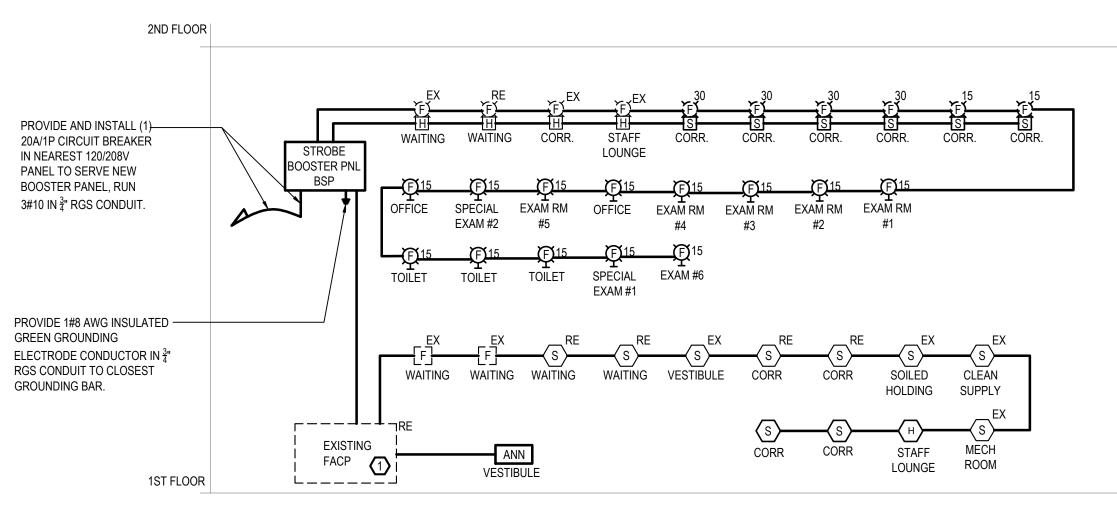
FIRE ALARM SPECIFICATIONS

- A. FIRE ALARM EQUIPMENT SHALL BEAR ALL REQUIRED LABELS EVIDENCING APPROVAL FOR USE IN THE STATE OF NEW YORK. PROVIDE ALL REQUIRED EQUIPMENT AND APPURTENANCES (I.E. END-OF-LINE DEVICES AND FUSED CUTOUTS) REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. FIRE ALARM EQUIPMENT SHALL BE BUILDING STANDARD.
- AREA SMOKE DETECTORS AND DUCT MOUNTED DETECTORS SHALL BE PHOTOELECTRIC TYPE WITH В LED INDICATING LIGHT ON BASE. ELEVATOR LOBBY SMOKE DETECTORS SHALL BE IONIZATION TYPE WITH LED INDICATING LIGHT ON BASE. DUCT MOUNTED DETECTORS SHALL BE FURNISHED COMPLETE WITH HOUSINGS, SAMPLING TUBES AND FAN SHUTDOWN RELAY. REMOTE INDICATING LAMPS SHALL BE FURNISHED FOR ALL SMOKE DETECTORS MOUNTED ABOVE CEILINGS AND INSIDE MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS OR CLOSETS. PHOTOELECTRIC SMOKE DETECTORS SHALL BE BUILDING STANDARD. IONIZATION SMOKE DETECTORS SHALL BE BUILDING STANDARD.
- ALARM SPEAKERS SHALL PROVIDE AN ACTUAL MINIMUM SOUND OUTPUT OF 85DB AT 10 FEET, C. MEASURED ON AXIS, AND SHALL PROVIDE ANNOUNCEMENT AUDIBILITY OF 15DB ABOVE AMBIENT THROUGHOUT THE SPACE. SPEAKERS SHALL BE CONNECTED IN A CLASS "B" DUAL CIRCUIT (A-B) CONFIGURATION ..
- ALARM STROBE UNITS SHALL PROVIDE A MINIMUM FLASH INTENSITY OF 15 CANDELAS AT A MINIMUM D. FREQUENCY OF ONE FLASH PER SECOND.
- FIRE ALARM DEVICES IN FINISHED SPACES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED OR REQUIRED BY CODE. DEVICES SHALL CONFORM TO ALL APPLICABLE HANDICAP ACCESSIBILITY CODES AND ADA REQUIREMENTS. DEVICES SHALL BE WHITE WITH RED LETTERS UNLESS OTHERWISE NOTED.
- SHUTDOWN OF A/C UNITS SHALL BE PERFORMED VIA A RELAY INTERFACE WITH THE BUILDING SYSTEM. F A/C UNIT RESTART SHALL BE MANUAL AT THE UNIT. PROVIDE REQUIRED COMPONENTS IN NEMA 1 ENCLOSURE PAINTED RED WITH A MOMENTARY PUSHBUTTON. PROVIDE AN ENGRAVED NAMEPLATE READING " A/C UNIT (#) RESTART". RESTART BUTTON SHALL BE RELOCATED ADJACENT TO THE UNIT BEING SERVED.
- G. ALL FIRE ALARM CABLE SHALL BE OF TEFLON, OR THE EQUIVALENT CONFORMING TO THE REQUIREMENTS FOR TYPE FPLP POWER-LIMITED FIRE PROTECTIVE-SIGNALING CIRCUITS, HAVING A TEMPERATURE RATING OF 150° C OR HIGHER, SOLID CONDUCTOR INSULATION WITH A MINIMUM AVERAGE THICKNESS OF 15MILS, PROTECTED BY A SHEATH AND AN OUTLET JACKET OF 25MILS MINIMUM, COLORED RED IT'S ENTIRE LENGTH AND BEAR THE ADDITIONAL DESCRIPTION "ALSO CLASSIFIED NYC CERT. FIRE ALARM CABLE", WITH THE THE TEMPERATURE RATING; AND ADDITIONALLY LABELED AS HAVING MET THE REQUIREMENTS OF UL TEST 1424 AND UL TUNNEL TEST910 AND SHALL BE APPROVED FOR USE IN NEW YORK STATE. SPEAKER WIRING SHALL BE SHIELDED.
- FIRE ALARM WIRING RUN IN AIR HANDLING PLENUMS SHALL BE PLENUM RATED. WIRING SHALL BE RUN Η. IN CONDUIT WHERE EXPOSED AND WHERE REQUIRED BY CODES AND THE AUTHORITIES HAVING JURISDICTION. ALL WIRING AND CONDUIT SHALL BE LISTED AND APPROVED FOR THE APPLICATION. ALL JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED.
- SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH APPLICABLE CODES, AND AMERICAN WITH 1 DISABILITIES ACT (ADA), NYS BUILDING CODE, FIRE CODE, AND FIRE DEPARTMENT REQUIREMENTS.
- SUBMIT PRODUCT DATA FOR PANELS AND DEVICES, BATTERY SIZING CALCULATIONS. POINT-TO-POINT J. WIRING DIAGRAMS, SEQUENCE OF OPERATION, OPERATION AND MAINTENANCE MANUALS AND TEST REPORTS.
- WHERE INTERFACE TO A BASE BUILDING SYSTEM IS REQUIRED, THIS CONTRACTOR SHALL OBTAIN THE Κ. SERVICES OF THE BASE BUILDING FIRE ALARM SYSTEM CONTRACTOR TO PROVIDE INTERFACE MATERIALS, MAKE CONNECTIONS AND MODIFY BASE BUILDING SYSTEM PROGRAMMING AS REQUIRED. PROVIDE ALL POWER FOR ELECTRICALLY OPERATED DEVICES REQUIRED TO BE INTERFACED TO THE FIRE ALARM SYSTEM FROM THE SAME SOURCE AS THE FIRE ALARM CONTROL PANEL. CONTRACTOR SHALL INCLUDE THESE COSTS IN HIS BID.
- FIRE ALARM SERVICE SHALL NOT BE WORKED ON WHILE ENERGIZED. ANY INTERRUPTION OF LIFE SAFETY SYSTEMS SHALL BE COORDINATED WITH THE OWNER AND BUILDING OPERATING PERSONNEL

FIRE ALARM NOTES

FA1.	CONTRACTOR SHALL CONTACT T OBTAIN PRICING FOR THE EQUIP MUST BE INCLUDED IN THE BID.
FA2.	ALL EQUIPMENT SHALL BE FURN SHALL BE PURCHASED FROM TH ASSURE COMPATIBILITY WITH EX
FA3.	CONTRACTOR SHALL INCLUDE IN FINAL CONNECTIONS AT THE FIR ALARM MAINTENANCE CONTRAC
FA4.	ALL ROUTING OF CABLES TO FIR BE DIRECTED AND APPROVED BY
FA5.	COORDINATE EXACT LOCATION (LIGHTS, ETC.) WITH ARCHITECT A PLAN FOR NUMBER OF DEVICES.
FA6.	ELECTRICAL CONTRACTOR SHAL BUILDING MANAGER WHEN WOR
FA7.	Wall mounted strobes shall strobe. They shall be a minin ceiling, whichever, is lower
FA8.	WHERE DEMOLITION IS TO TAKE EQUIPMENT SUCH AS ALARMS, H ARE LOCATED, BUILDING MANAG THE START OF DEMOLITION SO T
FA9.	THE MAIN FLOOR MUST REMAIN FOR PERSONNEL WORKING ON T REMAIN ACCESSIBLE AND OPER/ CONTINUITY OF SERVICE TO EXIS
FA10.	ANY EXISTING FIRE SAFETY EQU SHALL NOT BE HARMED DURING PROTECTED FROM ANY PHYSICA
FA11.	PROTECT EXISTING FIRE ALARM DAMAGE IS THE RESPONSIBILITY UNTIL DAMAGE IS REPAIRED TO
FA12.	ALL CEILING MOUNTED DEVICES PRIOR TO DEMOLITION AND STO LOCATIONS AS SHOWN ON THE F
FA13.	THE FIRE ALARM RISER DIAGRAM SHALL BE USED FOR INFORMATIO POINT-TO-POINT WIRING DIAGRA CONTRACTOR AND PERFORM AL
FA14.	THE OPERATION OF THE FIRE AL OF THE WORK BY THE OWNER. F HAS DEMONSTRATED THAT THE SPECIFICATIONS AND HAS FURN STATE AUTHORITIES, MUNICIPAL
FA15.	PROVIDE TWO (2) CIRCUITS (A & TO ALTERNATING CIRCUITS SO T NOT DISABLE THE ENTIRE ALARM
FA16.	CONTRACTOR SHALL PERFORM A APPROVALS. CONTRACTOR SHA BUILDING DEPARTMENT FORMS A RECORD AND BUILDING DEPART
FA17.	ALL VERTICAL RISERS SHALL BE
FA18.	ALL JUNCTION AND PULL BOX CO
FA19.	ALL WIRING RUN IN EXPOSED CE



PARTIAL FIRE ALARM WIRING DIAGRAM NOT TO SCALE

FIRE ALARM RISER DIAGRAM LEGEND

---- EXISTING TO REMAIN

——— NEW

THE BUILDING FIRE ALARM MAINTENANCE CONTRACTOR AND IPMENT AND SERVICES LISTED BELOW AND ON PLANS WHICH

NISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AND THE BUILDING FIRE ALARM MAINTENANCE CONTRACTOR TO EXISTING FIRE ALARM SYSTEM.

IN THE BID REPROGRAMMING OF FIRE COMMAND STATION AND IRE COMMAND STATION TO BE PERFORMED BY BUILDING'S FIRE ACTOR.

IRE CONTROL STATION AND/OR DATA GATHERING PANELS SHALL BY BUILDING MANAGER.

N OF ALL FIRE ALARM SYSTEM DEVICES (SPEAKERS, STROBE AND OTHER TRADES PRIOR TO INSTALLATION. REFER TO FLOOR

LL COORDINATE WITH BUILDING FIRE ALARM CONTRACTOR AND RKING ON BUILDING FIRE ALARM SYSTEM.

ALL HAVE NO OTHER APPURTENANCES WITHIN 5 FEET OF THE IIMUM OF 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW THE

PLACE IN THE AREA OF THE BUILDING, WHERE FIRE SAFETY , HORNS, SMOKE DETECTORS, FLOOR WARDEN STATIONS, ETC. AGEMENT MUST BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE EQUIPMENT MAY BE PROTECTED OR REMOVED.

N IN A STATE OF SAFE CONDITION WITH REGARD TO FIRE SAFETY I THE FLOOR. ALL FIRE STAIRS, ALARMS, SPEAKERS, ETC., MUST RABLE AT ALL TIMES. CONTRACTOR SHALL MAINTAIN XISTING BUILDING FIRE ALARM SYSTEM.

UIPMENT AND ASSOCIATED CONDUIT AND WIRING SYSTEM G DEMOLITION AND/OR CONSTRUCTION AND SHALL BE CAL DAMAGE.

SYSTEM DEVICES AND WIRING DURING CONSTRUCTION. ANY Y OF THE CONTRACTOR, INCLUDING FIRE WATCH AS REQUIRED THE OWNER'S SATISFACTION.

S (I.E. SMOKE DETECTORS, SPEAKERS) SHALL BE REMOVED ORED AND PROTECTED UNTIL THEY CAN BE REINSTALLED IN THE EPLANS.

AM SHOWN IS AN INDICATION OF THE WORK REQUIRED AND TION ONLY. THE SUCCESSFUL CONTRACTOR SHALL OBTAIN A RAM FROM THE BUILDING FIRE ALARM MAINTENANCE ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.

LARM INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND NISHED ALL REQUIRED CERTIFICATES OF APPROVAL FROM THE AUTHORITIES AND UNDERWRITERS.

& B) FOR FIRE ALARM STROBE LIGHTS AND HORN AND CONNECT THAT LOSS OF PORTION OF THE WIRING ON A FLOOR SHALL RM REPRODUCTIVE CAPABILITY ON THE FLOOR.

ALL BUILDING DEPARTMENT FILINGS AND OBTAIN ALL HALL OBTAIN ALL REQUIRED SIGNED AND SEALED TOWN OF ISLIP AND ALL REQUIRED SETS OF DRAWINGS FROM ENGINEER OF TMENT EXPEDITER.

IN RIGID CONDUIT.

COVERS SHALL BE PAINTED FIRE DEPARTMENT RED.

CEILING AREAS SHALL BE INSTALLED IN MINIMUM 3/4" EMT

FIRE ALARM SYMBOL LIST								
下 田	COMBINATION WALL-MOUNTED BUILDING STANDARD HORN/STROBE FIRE ALARM DEVICE FIELD SELECTABLE CANDELA LEVELS 15/30/75/110 CD = CANDELA RATING/SETTING C = CEILING MOUNTED							
₽ ^{cD}	CD WALL-MOUNTED BUILDING STANDARD STROBE FIRE ALARM DEVICE FIELD SELECTABLE CANDELA LEVELS 15/30/75/110 CD = CANDELA RATING/SETTING							
s	AREA SMOKE DETECTOR EL = ELEVATOR RECALL							
D	DUCT SMOKE DETECTOR							
Н	HEAT DETECTOR							
BSP	STROBE BOOSTER PANEL							
FACP	FIRE ALARM CONTROL PANEL							
ANN	REMOTE ANNUNCIATOR							

FIRE ALARM SYSTEM WIRING REQUIREMENT FUNCTION TYPE ADDR. LOOP, NETWORK COMM 1 TWISTED PAIR #14 AWG

COMBINATION SPEAKER/STROBE	2 PAIR #14 AWG
SPEAKER	1 PAIR #14 AWG
STROBE	1 PAIR #14 AWG
CONTROL	2 #14 AWG
POWER	2#10 AWG POWER U.O.N.

FIRE ALARM DRAWING LIST						
FA-001	FIRE ALARM SYMBOLS, ABBREVIATION, NOTES AND SPECIFICATIONS					
FA-001	FIRE ALARM DEMOLITION PLAN					
FA-201	FIRE ALARM FLOOR PLAN					

SERVICE VENDOR

THE CURRENT SERVICE VENDOR IS A & R ALARM CORP. 60 S MAIN ST STE 6, NEW CITY, NY 10956 TELEPHONE: 845-634-9669

FIRE A	ALARM ABBR
ABBREVIATION	DE
A	AMPERE
AC	ALTERNATING CURRE
AFF	ABOVE FINISHED FLO
ARCH	ARCHITECTURAL
AWG	AMERICAN WIRE GAU
С	CONDUIT
CAB	CABINET
CAT	CATEGORY
CL	CLOSET
CLG	CEILING
CB	
CKT(S)	CIRCUIT(S)
COL	COLUMN DISTRIBUTION PANEL
DP	
DSW	DISCONNECT SWITCH
DWG	
EC	EMPTY CONDUIT
ELEV	ELEVATOR
EXIST EX (E)	EXISTING EXISTING TO REMAIN
(ER)	EXISTING TO BE RELO
FACP	FIRE ALARM CONTROL
FACE	FIRE ALARM CONTROL
FF	FINISH FLOOR
FF FL	FLOOR
FSD	FIRE SMOKE DAMPER
G	GUARD
GND	GROUND
GRC	GALVANIZED RIGID CO
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KE	KILOWATT
KWH	KILOWATT HOUR
LP	LIGHTING PANEL
LTG	LIGHTING
MTD	MOUNTED
MTR	MAIN TELECOMMUNIC
Ν	NEUTRAL
OCPD	OVERCURRENT PROT
Р	POLES(S)
PB	PULL BOX
PNL	PANEL
PR	PAIR
(RE)	RELOCATED EXISTING
REF	REFERENCE
RP-	RECEPTACLE PANEL (
SLC	SIGNALING LINE CIRC
SP	SPARE
SPEC	SPECIFICATIONS
STD	STANDARD
STR	STORAGE
SW	SWITCH
TBD	
TLT	TOILET
TYP	
UON	UNLESS OTHERWISE
UTP	
V	VOLT
W	WATT
WP	WEATHERPROOF

KEY NOTES:

CONTRACTOR TO RELOCATE EXISTING POWER CONNECTION AND GROUNDING WIRE.

FIRE ALARM ABBREVIATIONS

DESCRIPTION TING CURRENT INISHED FLOOR CTURAL N WIRE GAUGE

TION PANEL (208/120V) ECT SWITCH

ONDUIT

TO REMAIN TO BE RELOCATED RM CONTROL PANEL

OKE DAMPER

ZED RIGID CONDUIT

ECOMMUNICATION ROOM

RRENT PROTECTION DEVICE

ED EXISTING

CLE PANEL (208/120V)

G LINE CIRCUIT

THERWISE NOTED DED TWISTED-PAIR

RPROOF

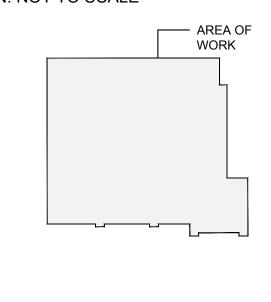
Montefiore

MONTEFIORE NYACK HOSPITAL **160 NORTH MIDLAND AVENUE** NYACK, NY 10960

OUTPATIENT DIAGNOSTIC & TREATMENT FACILITY **ALTERATIONS - MAIN LEVEL**

18 NORTH HIGHLAND AVENUE NYACK, NY 10960

KEY PLAN: NOT TO SCALE



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www.healthcaredesign.com



arico Design Studio Architecture, PLLC Michael A. Pomarico, Architect 19 Front Street Newburgh, NY 12550

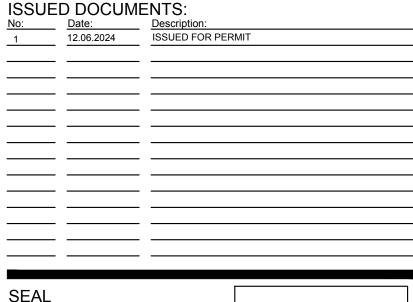
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New York, NY 10004

info@HealthCareDesign.com



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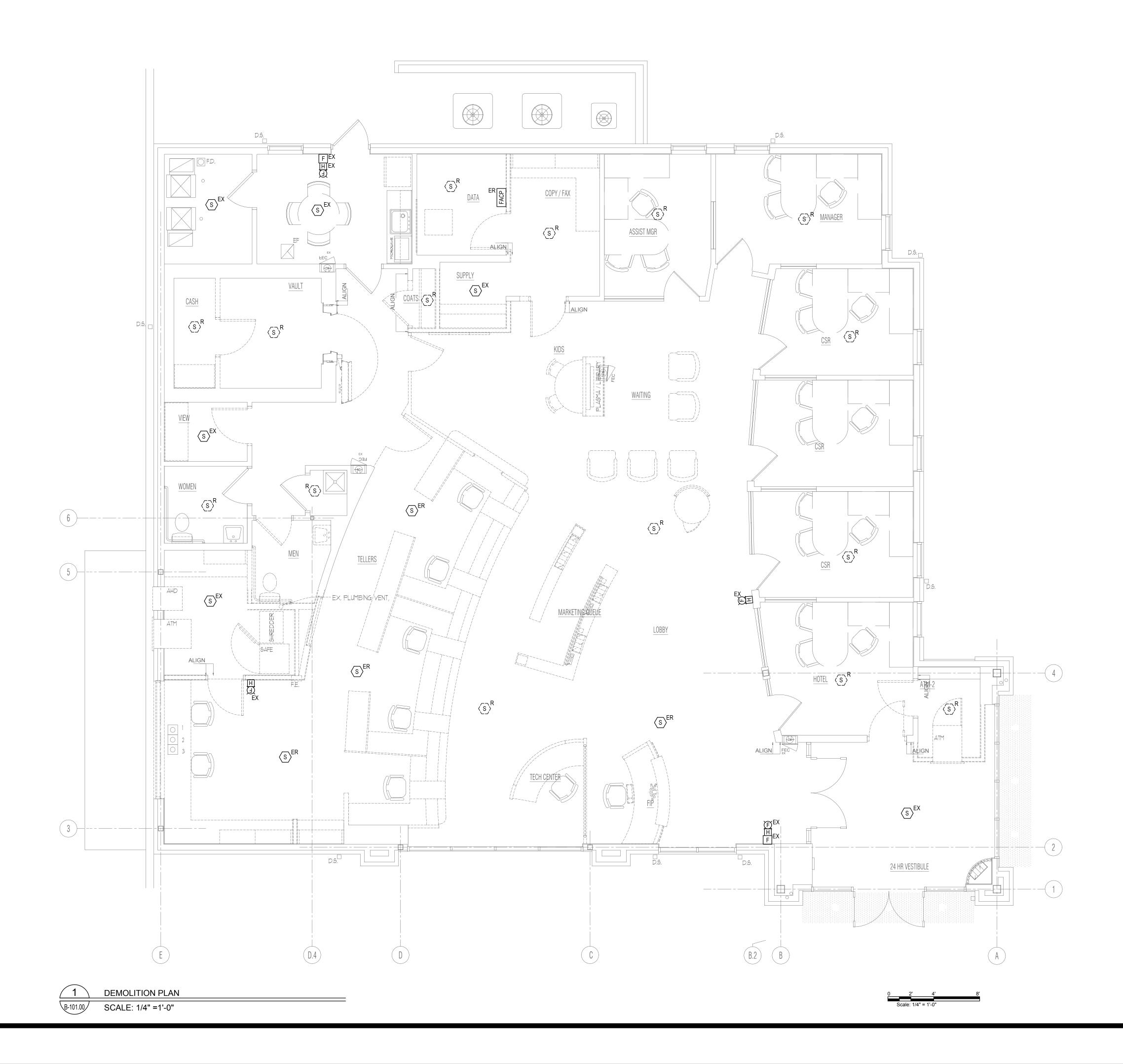
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SYMBOLS, ABBREVIATIONS, AND NOTES

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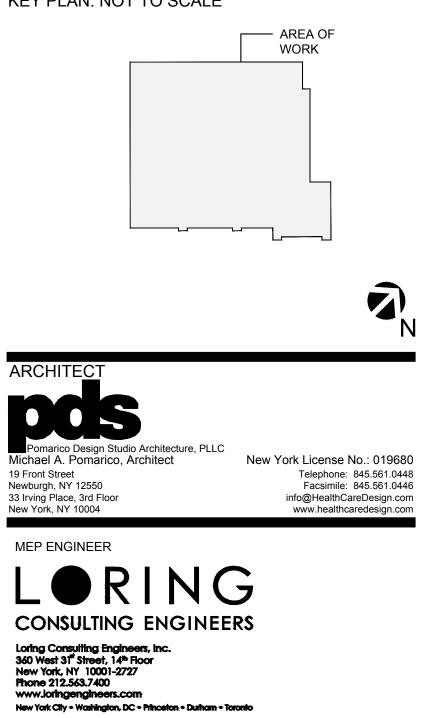
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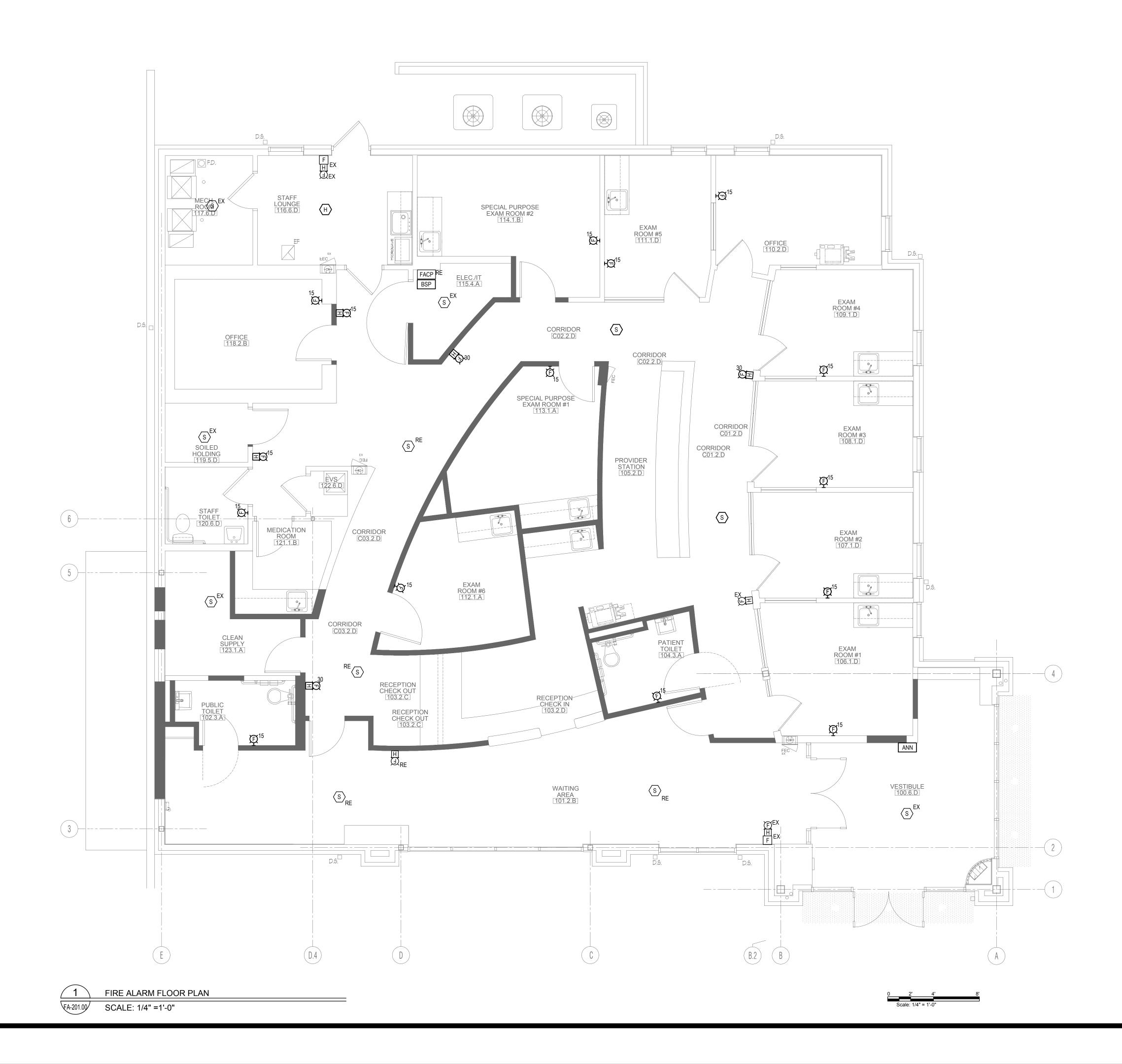
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PROJECT NUMBER

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