DEMOLISH EXISTING FIRE DETECTION, FIRE ALARM AND OCCUPANT NOTIFICATION SYSTEM IN ITS ENTIRETY INSIDE THE INDICATED PROJECT SCOPE AREA. CONTRACTOR SHALL REPAIR ANY DAMAGES THE BUILDING SUSTAINS DURING DEMOLITION

- CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED COMPONENTS AND MATERIALS IN ACCORDANCE WITH ALL LOCAL AND FEDERAL REGULATIONS.
- EXISTING FIRE ALARM AND OCCUPANT NOTIFICATION SYSTEM IS TO REMAIN IN OPERATION AT ALL TIMES TO THE FULLEST EXTENT POSSIBLE UNTIL THE NEW FIRE ALARM DEVICES ARE INSTALLED AND TESTED. PLANNED SYSTEM IMPAIRMENTS SHALL COMPLY WITH NFPA REQUIREMENTS. A FIRE WATCH WILL BE PROVIDED FOR SYSTEM IMPAIRMENTS AT THE DISCRETION OF THE COR.
- MAINTAIN THE EXISTING FIRE ALARM EQUIPMENT FULLY OPERATIONAL UNTIL THE NEW EQUIPMENT HAS BEEN TESTED AND ACCEPTED BY THE COR. AS NEW EQUIPMENT IS INSTALLED, LABEL IT "NOT IN SERVICE" UNTIL THE NEW EQUIPMENT IS ACCEPTED. ONCE THE NEW SYSTEM IS COMPLETED, TESTED AND ACCEPTED BY THE COR, IT SHALL BE PLACED IN SERVICE AND CONNECTED TO THE CAMPUS FIRE ALARM SYSTEM. REMOVE TAGS FROM NEW EQUIPMENT AND TAG THE EXISTING EQUIPMENT "NOT IN SERVICE" UNTIL REMOVED FROM THE BUILDING.
- REFER TO PLAN DRAWINGS AND PROJECT DOCUMENTS FOR APPROXIMATE FIRE ALARM SYSTEM QUANTITIES AND LOCATIONS. NOT ALL SITE CONDITIONS ARE SHOWN. FIRE ALARM CONTRACTOR SHALL VISIT JOB SITE WITH ALL PROJECT DOCUMENTS PRIOR TO BID TO BECOME FAMILIAR WITH PROJECT DESIGN, INSTALLATION, TESTING AND COMMISSIONING REQUIREMENTS, AND SITE CONDITIONS FOR THE NEW SYSTEM INSTALLATION, TO PROVIDE A COMPREHENSIVE AND COMPLETE BID, CODE COMPLIANT SYSTEM DESIGN, INSTALLATION, TESTING, COMMISSIONING AND APPROVAL REQUIREMENTS
- CONTRACTOR SHALL ADD NOTIFICATION AS REQUIRED TO MEET AUDIBILITY AND INTELLIGIBILITY REQUIREMENTS OF NFPA 72 AS REQUIRED BASED ON THE PERFORMANCE OF THE SELECTED EQUIPMENT. THE NUMBER AND LOCATION OF NOTIFICATION APPLIANCES SHALL NOT BE REDUCED. CONTRACTOR SHALL SUBMIT COMPLETE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS,

THE MINIMUM REQUIRED NUMBER AND LOCATIONS OF NOTIFICATION APPLIANCES ARE SHOWN. THE

- MATERIAL DATA SHEETS AND SHOP DRAWINGS TO CONTRACTING OFFICERS REPRESENTATIVE FOR REVIEW PRIOR TO COMMENCING FABRICATION AND INSTALLATION. FAILURE TO COMPLY IS AT THE RISK OF THE CONTRACTOR.
- FIRE ALARM SIGNALS AND EMERGENCY COMMUNICATIONS SHALL TAKE PRECEDENCE OVER ALL OTHER SIGNALS, SUCH AS, BUT NOT LIMITED TO PUBLIC ADDRESS SYSTEMS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY AND REQUIRED SYSTEM PROGRAMMING TO MEET THE DESIGN AND CODE COMPLIANCE.
- 10. ALL CONDUCTORS FOR THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN EMT CONDUIT AND IN ACCORDANCE WITH NFPA 70. THE CONDUCTORS SHALL NOT BE INSTALLED WITH CONDUCTORS OF LIGHTING OR POWER SYSTEMS. THE SUM OF THE CROSS AREAS OF INDIVIDUAL CONDUCTORS SHALL NOT EXCEED 40% OF THE INTERIOR CROSS SECTION OF THE CONDUIT. ALL FIRE ALARM SYSTEM CONDUIT SHALL NOT BE LESS THAN 3/4".
- 11. WALL MOUNTED FIRE ALARM DEVICES IN UNFINISHED AREAS MAY BE SURFACED MOUNTED. THE CONDUIT MAY BE INSTALLED EXPOSED ON WALLS AND ON CEILINGS.
- 2. IN FINISHED AREAS, WALL MOUNTED DEVICES SHALL BE FLUSHED MOUNTED. THE CONDUIT SHALL BE INSTALLED CONCEALED IN THE WALLS AND CEILINGS UNLESS REFERENCED AS CEILING MOUNTED.
- 3. INSTALL CEILING MOUNTED DEVICES AND APPLIANCES IN THE CENTER OR QUARTER POINT OF CEILING TILES. WHERE APPLICABLE.
- 14. ALL NEW CONDUIT IS TO BE FACTORY FINISHED RED OR PAINTED RED THROUGHOUT THE SYSTEM, FOR BOTH EXPOSED AND CONCEALED CONDUIT.
- 15. ELECTRICAL AND FIRE ALARM CONTRACTORS SHALL COORDINATE WITH FIRE ALARM VENDOR FOR SYSTEM OPERATING INSTRUCTIONS AND WIRING DIAGRAMS.
- 16. CONTRACTOR SHALL PROVIDE PATHWAY SURVIVABILITY OF LEVEL 2 IN ACCORDANCE WITH VAFPDM 7.2 E, WHICH STATES THAT WIRING INSTALLED IN METAL RACEWAY WITHIN BUILDINGS THAT ARE PROTECTED THROUGHOUT BY SPRINKLERS SHALL BE CONSIDERED TO MEET THE REQUIREMENTS FOR PATHWAY SURVIVABILITY LEVEL 2 IN ACCORDANCE WITH NFPA 72 (2019) AS A 2 HOUR PERFORMANCE ALTERNATIVE THAT HAS BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION AND SHALL BE PERMITTED FOR VOICE COMMUNICATION SYSTEMS IN VA FACILITIES.
- 7. FIRE ALARM CONTRACTOR SHALL PROVIDE POWER PANEL INFORMATION, BREAKER LOCKS AND IDENTIFICATION REQUIREMENTS IN ACCORDANCE WITH NFPA 70 AND NFPA 72 REQUIREMNETS.
- 18. CONTRACTOR SHALL PROVIDE A WRITTEN SEQUENCE OF OPERATIONS PER VAFPDM 3.5 B, AND ADDITIONALLY PROVIDE AN INPUT/OUTPUT MATRIX ON THE INSTALLATION DRAWINGS IN A FORMAT SHOWN IN NFPA 72. THE SEQUENCE OF OPERATION INCLUDED IN THE DRAWINGS IS FOR CONTRACTOR USE AND GUIDANCE. THE CONTRACTOR SHALL PRODUCE THEIR OWN MATRIX FOR SUBMISSION WITH THEIR SHOP DRAWING PACKAGE.
- 19. CONTRACTOR SHALL PLAN THE ROUTES FOR CONDUIT TO AVOID ANY PENETRATIONS THROUGH STRUCTURAL FRAMING SUCH AS COLUMNS OR BEAMS.
- 20. IT IS PERMISSIBLE TO LOCATE PENETRATIONS THROUGH SLABS AND WALLS. FIELD LOCATE CONCRETE REINFORCEMENT USING NON-DESTRUCTIVE MEANS AND ADJUST PENETRATIONS TO AVOID SUCH REINFORCEMENT. LOCATE ANY SUCH PENETRATIONS A MINIMUM OF 1'0' FROM ANY EXISTING PENETRATION SUCH AS OTHER CONDUIT PENETRATIONS, HOLES FOR PIPES, OR DOOR, WINDOW AND FLOOR OPENINGS. LOCATE GROUPS OF PENETRATIONS SO THAT THERE IS A MAXIMUM OF THREE PENETRATIONS IN A LINE AND PROVIDE A CLEAR DISTANCE BETWEEN EACH PENETRATIONS OF 3' MAXIMUM. ALL PENETRATIONS THROUGH FIRE OR SMOKE RATED PARTITIONS, WALLS OR BARRIERS SHALL BE FIRE STOPPED. REFERENCE DRAWINGS FOR LOCATIONS OF THESE WALLS/PARTITIONS/BARRIERS.
- 11. REFER TO DIVISION 28 FIRE ALARM RELATED SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION. 22. REMOTE TEST SWITCHES SHALL BE PROVIDED FOR CONCEALED AND/OR INACCESSIBLE DEVICES. TEST SWITCHES SHALL BE MOUNTED ON THE NEAREST WALL LESS THAN 7'0" AFF. PROVIDE ADDRESS LABEL ON OR NEAR THE REMOTE TEST SWITCH OR INACCESSIBLE DEVICE SERVED.
- 23. DOOR HOLD OPEN RELAYS SHALL BE PROVIDED ABOVE THE DOOR FRAME OF THE DOOR THEY SERVE AND BE PROVIDED IN THEIR OWN JUNCTION BOX. PROVIDED CONTROL RELAY TO RELEASE DOOR AFTER A MAXIMUM OF 60 SECONDS AFTER THE LOSS OF AC POWER.

GENERAL FIRE ALARM CONSTRUCTION NOTES

- THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
- CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
- A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED
- I. THE POWER CIRCUIT TO THE FACP AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "LIFE SAFETY BRANCH CIRCUIT." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
- . DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED TECHNICAL
- ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
- PROJECT WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
- INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NEC.
- 9. ALL WIRING SHALL BE INSTALLED ACCORDING TO 2023 NFPA 70 (NEC).
- 10. $\,$ FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC 760 SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
- 11. FIRE ALARM CABLE SHALL BE INSTALL IN (RED) EMT CONDUIT RACEWAYS. 12. FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL
- LISTED FOR WET LOCATIONS. 13. FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOOR SHALL BE INSTALLED IN
- ACCORDANCE WITH NFPA 70 ARTICLES 760, 770, 725 AND 800 WHERE APPLICABLE.
- 14. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS. 15. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
- 16. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
- 17. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
- 18. MAINTAIN 40 PERCENT CONDUIT FILL RATIO AS PER NEC REQUIREMENTS.
- 19. ALL FIRE ALARM EQUIPMENT SHALL BE INSTALLED PER NFPA 72 AND THE MANUFACTURER'S
- 20. ALL INITIATING DEVICES SHALL BE FIELD LOCATED BASED UPON THE LOCATION OF DIFFUSERS, LIGHTS, AND OTHER POTENTIAL OBSTRUCTIONS.
- 21. WALL MOUNT THE BOTTOM OF ALL AUDIBLE/VISUAL APPLIANCES AT MIN. 80" AFF, NO MORE THAN 96" AFF OR TOP AT 6" BELOW THE CEILING, WHICHEVER IS LOWER.
- 22. ALL WIRING INSTALLATION SHALL CONFORM TO THE NEC.
- 23. ALL WIRING SHALL BE INSTALLED IN RED EMT CONDUIT RACEWAYS.
- 24. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETURN ALL WIRES TO THE PANEL FREE OF OPENS, GROUNDS, SHORTS AND/OR ANY OTHER CONDITION THAT MAY PREVENT THE PROPER OPERATION OF THE FIRE ALARM SYSTEM.
- 25. CIRCUIT NEW EQUIPMENT INTO THE SAME FIRE ALARM ZONE THAT IS SERVING THE SPRINKLER ZONE. 26. REMOVE WIRING ABANDONED AS PART OF THIS PROJECT. ALSO PROVIDE LABELS ON ANY EXISTING

ABANDONED WIRE ENCOUNTERED DURING NEW INSTALLATION (FOR REMOVAL BY VA STAFF).

27. THE NEW SYSTEM SHALL INCLUDE PRIORITY 2 ALARMS AS INDICATED ON THE DRAWINGS. THE NEW FIRE ALARM CONTROL UNIT MUST SUPPORT PRIORITY 2 SIGNALING FUNCTIONALITY. THE CONTRACTOR SHALL PROVIDE ALL RACEWAY, CONDUCTORS, RELAYS/DEVICES, ENGINEERING, PROGRAMMING, GRAPHICS, AND COMMISSIONING ASSISTANCE TO INTEGRATE PRIORITY 2 SIGNALS/ALARMS AS SHOWN ON PLANS INTO NEW FA SYSTEM.

FIRE ALARM SCOPE OF WORK NOTES

SCOPE OF WORK

GENERAL NOTES

- PROJECT SCOPE INCLUDES THE FOLLOWING: FULL REPLACEMENT OF THE EXISTING FIRE ALARM SYSTEM IN AN ACTIVE HOSPITAL. DETECTION DEVICES, WIRING, CONDUIT, NOTIFICATION APPLIANCES, ANNUNCIATORS, FIRE ALARM PANELS, POWER SUPPLIES, AREA SMOKE DETECTORS, DUCT DETECTORS, HEAT DETECTORS, ELEVATOR RECALL INITIATION DEVICES, DOOR HOLD RELAY MODULES, ETC. WILL BE REPLACED IN THEIR ENTIRETY. THE PROJECT WILL BE PHASED TO ACCOMMODATE THE ACTIVE FACILITY AND TO MINIMIZE THE SYSTEM DOWNTIME. THE NEW FIRE ALARM SYSTEM COMPONENTS WILL BE INSTALLED AND BROUGHT ONLINE PRIOR TO THE REMOVAL OF THE EXISTING
- THE NEW SYSTEM COMPONENTS WILL BE INSTALLED TO MEET NFPA 72- 2019 EDITION, NFPA 101 2018 EDITION & VAFPDM - 8TH EDITION. AT THE OWNER'S DIRECTION, THE FOLLOWING MODIFICATION TO THE REQUIREMENTS OF VAFPDM ARE PROPOSED:
- a. ELECTRICAL MEDIUM VOLTAGE SWITCHGEAR, AND DATA ROOMS/CLOSETS WILL BE PROVIDED WITH SMOKE DETECTION.
- b. TELE/COMM/DATA ROOMS /CLOSETS WILL BE PROVIDED WITH SMOKE DETECTION.
- c. ALL VA DEFINED "HEAD-END EQUIPMENT ROOMS" WILL BE PROVIDED WITH SMOKE DETECTION. d. HEAT DETECTION WILL BE PROVIDED IN ALL MECHANICAL SPACES.
- DEMOLITION: THE EXISTING FIRE ALARM EQUIPMENT WILL BE REMOVED IN A PHASED PROCESS OVER THE COURSE OF THE PROJECT AS THE NEW EQUIPMENT IS BROUGHT IN ONLINE. DUE TO THE PHASING, SOME MAIN INFRASTRUCTURE EQUIPMENT WILL NEED TO BE ACTIVE FROM THE START OF THE PROJECT (FACP, TRANSPONDER CABINETS, ANNUNCIATORS, WORKSTATIONS, ETC.). CEILINGS, WALLS, AND FLOORS THAT CONDUIT IS CURRENTLY PASSING THROUGH, AND WALLS AND CEILINGS THAT DEVICES AND APPLIANCES ARE CURRENTLY ATTACHED TO, WILL BE IMPACTED DURING DEMOLITION AND WILL REQUIRE FILLING AND PATCHING ON A CASE-BY-CASE BASIS. WALLS, CEILING AND FLOORS WILL BE REPAIRED TO MATCH THE EXISTING CONSTRUCTION AND/OR FIRE/SMOKE RATINGS AS APPLICABLE. WHERE CONDUIT CANNOT BE REMOVED OR IS OVERLY DIFFICULT TO REMOVE FROM EXISTING WALLS, THE CONDUIT CAN BE CUT FLUSH TO THE WALL OR FLOOR ON BOTH SIDES AND FILLED WITH FIRESTOP IN FIRE/SMOKE RATED WALLS/FLOORS OR FLOORS. FOR NON-RATED WALLS OR PARTITIONS, THE CONDUIT CAN BE CUT AND FILLED WITH COMPATIBLE FILL FOR THE WALL/FLOOR PENETRATION.
- AREAS WHERE SMOKE DETECTION IS CURRENTLY INSTALLED AND NO LONGER REQUIRED PER CURRENT REQUIREMENTS, SMOKE DETECTION DEVICES WILL BE REMOVED AND WILL NOT BE
- RE-INSTALLED SEE DRAWINGS FOR IDENTIFICATION OF THESE AREAS. THE FIRE SUPPRESSION SCOPE FOR THIS PROJECT IS LIMITED TO THE DISCONNECTION AND RECONNECTION OF MONITOR MODULES ASSOCIATED WITH THE EXISTING FIRE SPRINKLER, STANDPIPE. KITCHEN HOOD SYSTEMS, PRE-ACTION PANELS, AND FIRE PUMP MONITORING DEVICES (TWO FIRE PUMPS). THESE MONITORED POINTS ARE DISTRIBUTED THROUGHOUT THE FACILITY AND WILL REQUIRE COORDINATION DURING INSTALLATION. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING A LICENSED FIRE SUPPRESSION CONTRACTOR TO PERFORM ALL SUPPRESSION-RELATED TESTING AND SUPPORT REQUIRED FOR FINAL ACCEPTANCE OF THE NEW FIRE ALARM SYSTEM. THIS INCLUDES OPERATION OF VALVES, WATER FLOW/TAMPER TESTING, PRE-ACTION SYSTEM VERIFICATION, AND FIRE PUMP SUPERVISORY TESTING. ALL REMAINING WORK - INCLUDING DEVICE RECONNECTION, WIRING, ADDRESSING, PROGRAMMING, AND SIGNAL VERIFICATION - SHALL BE PERFORMED BY THE FIRE ALARM CONTRACTOR.
 - NEW ELECTRICAL DOWER EEERS WILL BE REQUIRED TO ACCOMPANATE REVICED BANEL AND BO SUPPLY LOCATIONS. POWER FEEDS CURRENTLY SUPPLING THE EXISTING FIRE ALARM SYSTEM WILL BE REMOVED WHEN DEMOLITION OF EXISTING FACP AND NAC PANELS IS PERFORMED. REFER TO ELECTRICAL DRAWINGS.
- PROJECTS CURRENTLY UNDER CONSTRUCTION INCLUDE ADDITIONS TO BUILDING 1 AND BUILDING 52. CONDUIT AND WIRING MAY BE REUSED, DEVICES SHALL BE REPLACED FOR COMPATIBILITY WITH NEW FACPS. WIRING SHALL BE CONNECTED TO SYSTEMS IN ADJACENT BUILDING.

GENERAL FIRE ALARM CONSTRUCTION NOTES

DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 70 "NATIONAL ELECTRICAL CODE", 2023 EDITION: NFPA 72, "NATIONAL FIRE ALARM AND SIGNALING CODE, 2019 EDITION; NFPA 101, "LIFE SAFETY CODE, 2018 EDITION; NFPA 241, "SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS", 2019 EDITION; AND VA FIRE PROTECTION DESIGN MANUAL(VAFPDM), EIGHTH EDITION.

- THE INTENT AND EXTENT OF THE FIRE PROTECTION SYSTEM DESIGN IS PERFORMANCE BASED IN NATURE AND IS DIAGRAMMATIC ONLY. IT IS NOT INTENDED TO SHOW EVERY PIPE, FITTING, DEVICE, APPLIANCE, COMPONENT, ETC. FIRE ALARM FLOOR PLANS AND RISER DIAGRAM ARE DIAGRAMMATIC AND NOT INTENDED TO SHOW EACH AND EVERY COMPONENT, DEVICE, APPLIANCE, ETC. CONDUIT PATHWAYS AND INTERCONNECTIONS SHALL BE DETERMINED BY THE BUILDING FEATURES, NFPA 70, NFPA 72, SYSTEM MANUFACTURER REQUIREMENTS AND RECOMMENDATIONS.
- CONTRACTOR SHALL VISIT JOB SITE PRIOR TO BID WITH THE PROJECT DOCUMENTS AND SPECIFICATIONS TO BECOME FAMILIAR WITH THE SITE AND SCOPE OF WORK. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES OUTSIDE DESIGN INTENT. ANY CHANGE ORDER REQUEST AS A RESULT OF COORDINATION BETWEEN TRADES SHALL BE DENIED.
- ADHERE TO AND OBTAIN ALL PERMITS AND LICENSES FOR BOTH LOCAL AND FEDERAL GOVERNMENT REQUIREMENTS.
- 5. DO NOT SCALE PLANS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS. FIELD DIMENSIONS GOVERN. 6. FIRE STOP ALL PENETRATIONS OF SMOKE/FIRE PENETRATIONS. FIRE STOPPING SHALL BE UL LISTED ASSEMBLIES.
- IF ASBESTOS OR LEAD BASED PAINT IS FOUND, SUB-CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY OWNER. OWNER IS RESPONSIBLE FOR ABATEMENT OF LEAD PAINT AND ASBESTOS.

FIRE ALARM SHOP DRAWING SHOWS THE MINIMUM REQUIREMENTS FOR A NEW FIRE ALARM MEETING: VA FIRE PROTECTION MANUAL - 9TH EDITION - NOV, 2023, 2022 NFPA 72, NFPA 101, THAT IS FULLY SPRINKLED. IT WILL BE THE REQUIREMENT OF THE CONTRACTOR TO PROVIDE A DEFERRED SUBMITTAL FOR A COMPLETE CODE COMPLIANT PLAN AND INSTALLATION SUBJECT TO INSPECTION.

FIRE ALARM NOTE

GENERAL DRAWING NOTE

THIS DRAWING SET UTILIZES COLORS TO DIFFERENTIATE BETWEEN NEW AND EXISTING DEVICES. CONTRACTOR SHOULD BE AWARE THAT ANY HARD COPIES SHOULD BE PRINTED IN COLOR SO AS NOT TO LOSE IMPORTANT

GENERAL DRAWING NOTE

DRAWING BACKGROUNDS FOR THESE CONSTRUCTION DOCUMENTS WERE CREATED UTILIZING VA PROVIDED FILE INFORMATION FROM LIFE SAFETY PLAN DATED 3/7/2024 AND ARE CONSIDERED TO REFLECT COMPLETE INFORMATION FOR MOST CRITICAL AREAS FOR FIRE ALARM

AREAS NOT SPECIFICALLY CALLED OUT BY ROOM NAME ARE TO BE CONSIDERED AS AREAS OF NO SUBSTANTIAL CIRCUMSTANCE FOR FIRE ALARM PLANS.

A COMPLETE LIST OF ROOM NUMBERS AND ASSOCIATED ROOM NAMES HAS BEEN PROVIDED ON SHEETS G-303, G-304 & G-305 FOR REFERENCE.

GENERAL BAS INTEGRATION NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM INTEGRATION OF ALL NEW DUCT SMOKE DETECTORS AND FAN SHUT DOWN RELAY MODULES INTO THE NEW FIRE ALARM SYSTEM. DISCONNECTION, RECONNECTION, BAS PROGRAMMING ADJUSTMENTS, AND TESTING OF ALL REQUIRED SUPERVISORY HVAC SHALL BE PERFORMED IN CONJUNCTION WITH AN APPROVED BAS CONTROLS CONTRACTOR.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM INTEGRATION (WIRING AND PROGRAMMING) OF EXISTING ELEVATOR FIRE ALARM SIGNALS TO THE NEW FIRE ALARM SYSTEM AND PERFORM ASSOCIATED TESTING AND COMMISSIONING SERVICES.

REFER TO SPECIFICATION SECTION 283100.3.3.A FOR A LIST OF BAS CONTROL CONTRACTORS FAMILIAR WITH THE FARGO VA FACILITY AND ABLE TO PERFORM ADJUSTMENTS ON THEIR RESPECTIVE SYSTEMS.

POWER CONNECTIONS | DATA CONNECTIONS | AUDIO CONNECTIONS POWER 0-24V POE FIBER EXISTING DATA RJ-11 FIRE ALARM CONTROL PANEL FIRE ALARM TRANSPONDER CABINET FIRE ALARM ANNUNCIATOR PANEL NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL MONITORING MODULE $\langle s \rangle_{P}$ PHOTOELECTRIC SMOKE DETECTOR AND BASE SMOKE DETECTOR AND BASE FOR ELEVATOR RECALL SIGNAL LIGHT, STROBE - CEILING MOUNT

FIRE ALARM DEVICE POWER & DATA CONNECTION REQUIREMENTS SCHEDULE

FIRE ALARM AUDIO DEVICE W/ STROBE - CEILING MOUNT FIRE ALARM AUDIO DEVICE - CEILING MOUNT SIGNAL LIGHT, STROBE - WALL MOUNT FIRE ALARM AUDIO DEVICE W/ STROBE - WALL MOUNT EXTERIOR WEATHER-PROOF FIRE ALARM AUDIO DEVICE W/ STROBE FIRE ALARM AUDIO DEVICE - WALL MOUNT FIRE ALARM, BELL FIRE ALARM STATION, MANUAL PULL MAGNETIC DOOR HOLDER INTEGRAL MAGNETIC DOOR HOLDER DUCT MOUNTED SMOKE DETECTOR **HEAT SENSOR** FIRE SPRINKLER FLOW SWITCH MONITORING MODULE

NOTES:

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* ALL 120V POWER SOURCES SERVING FIRE ALARM SYSTEM CONTROL PANELS, TRANSPONDERS AND NAC PANELS ARE REQUIRED TO HAVE EMERGENCY BATTERY BACKUP AS OUTLINED IN SPECIFICATION SECTION 283100.2.4.D POWER PANELS SERVING FACP, TRANSPONDERS AND NAC PANELS IN AREAS DESIGNATED AS PATIENT CARE AREAS MUST BE CONNECTED TO THE LIFE SAFETY BRANCH OF THE CAMPUS POWER SYSTEM. FACP, TRANSPONDERS AND NAC PANELS LOCATED IN AUXILIARY BUILDINGS WHERE NO PATIENT CARE IS PERFORMED MAY BE SERVED BY EITHER THE NORMAL OR EQUIPMENT BRANCH POWER SYSTEMS AND BATTERY BACKUP WILL STILL BE REQUIRED.

TAMPER SWITCH MONITORING MODULE

CONTROL MODULE

RELAY MODULE

FAN SHUT-SHUTDOWN RELAY MONITORING MODULE

VOLUME 1 OF 2

437-23-105

Building Number

MULTIPLE

Drawing Number

FA-000

Dwg. 20 of 91

#1 BIDDERS QUESTIONS 12/08/25

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Construction and Facilities Management

Drawing Title Project Title FIRE ALARM REQUIREMENTS, CONSTRUCTION FARGO REPLACE FIRE **LEGENDS & SCHEDULES DOCUMENTS ALARM SYSTEM** Approved: Project Director 2101 ELM STREET, FARGO, ND 58102 FULLY SPRINKLERED TODD DALZELL Checked 06/12/2025 WEW JMS