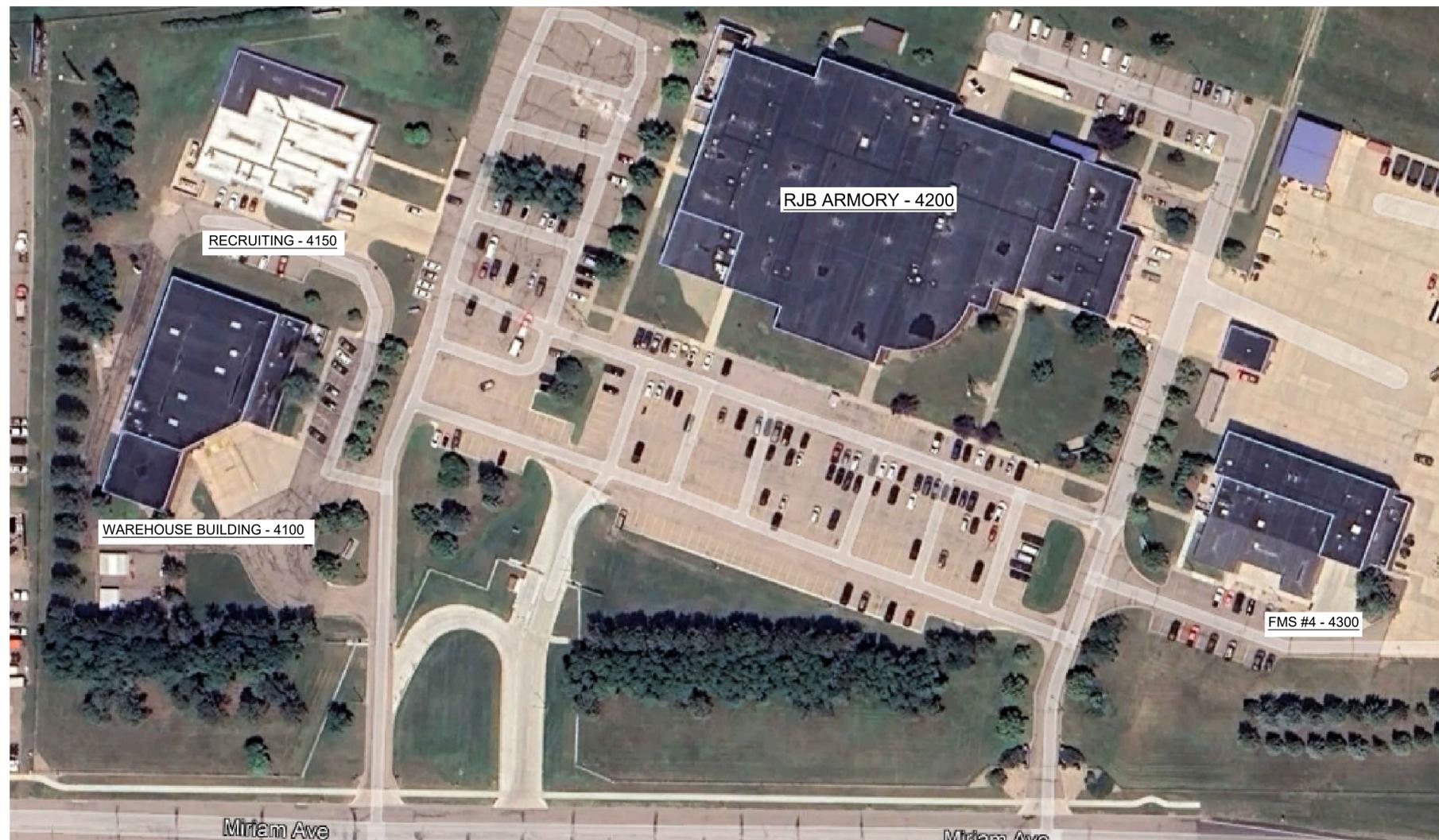


NORTH DAKOTA NATIONAL GUARD

FIRE ALARM SYSTEM REPLACEMENT ARMORY BUILDING 4200, RJB COMPLEX BISMARCK, NORTH DAKOTA



DRAWING INDEX:

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PROJECT ENGINEER

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REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
Armory Bldg. 4200, RJB Complex, Bismarck, ND
Owner: The Adjutant General, State of ND

TITLE SHEET



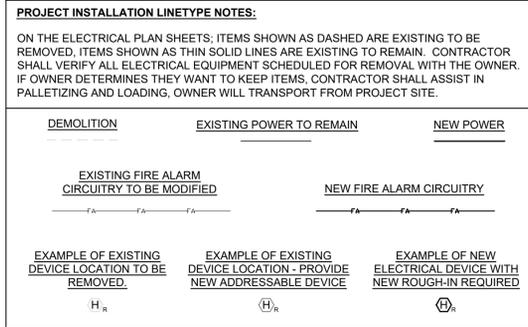
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ELECTRICAL SYMBOLS LEGEND		
<p>LIGHTING</p> <p>2x4' RECESSED LUMINAIRE</p> <p>2x2' RECESSED LUMINAIRE</p> <p>1x4' RECESSED LUMINAIRE</p> <p>2x4' RECESSED LUMINAIRE CONNECTED TO EMERGENCY POWER SOURCE</p> <p>WALL MOUNTED LUMINAIRE</p> <p>CEILING MOUNTED LUMINAIRE</p> <p>RECESSED DOWNLIGHT</p> <p>SURFACE CEILING MOUNTED LUMINAIRE</p> <p>SURFACE WALL MOUNTED LUMINAIRE</p> <p>EXTERIOR AREA LUMINAIRE</p> <p>EXIT SIGN</p> <p>EMERGENCY BATTERY UNIT</p> <p>REMOTE EMERGENCY HEAD</p> <p>EMERGENCY LIGHTING RELAY</p> <p>CIRCUITRY</p> <p>CEILING MOUNTED JUNCTION BOX</p> <p>WALL MOUNTED JUNCTION BOX</p> <p>FIRE ALARM CIRCUITRY, 3/4" CONDUIT WITH 4-#14 AWG FOR ANNUNCIATION AND 1-"A CABLE" (2c.#18) INITIATING.</p> <p>POWER CIRCUITRY, 3/4" CONDUIT WITH 6-#12 AWG CURRENT CARRYING CONDUCTORS. EGC IS NOT SHOWN FOR CLARITY.</p> <p>CONTROL</p> <p>SINGLE POLE SWITCH</p> <p>LIGHTING SWITCH - (NUMBER/LETTER DESIGNATES TYPE: 2 = 2-POLE, 3 = 3-WAY, 4 = 4-WAY, O = OCC SENSOR)</p> <p>LOW VOLTAGE SWITCH</p> <p>DMX CONTROLLER</p> <p>SINGLE POLE DIMMER</p> <p>DIMMER SWITCH - (NUMBER/LETTER DESIGNATES TYPE: 3 = 3-WAY, 4 = 4-WAY, O = OCC SENSOR)</p> <p>GENERAL PURPOSE RELAY: NUMBER INDICATES NUMBER OF POLES.</p> <p>DEFINITE PURPOSE CONTACTOR: NUMBER INDICATES NUMBER OF POLES.</p> <p>CEILING MOUNTED OCCUPANCY SENSOR</p> <p>THERMOSTAT - "E" = PROVIDED BY DIVISION 16 CONTRACTORS; OTHERWISE FURNISHED BY THE DIVISION 15 CONTRACTOR. PHOTO CONTROLLER</p> <p>DIMMING/POWER RELAY PACK</p>	<p>POWER DISTRIBUTION</p> <p>DUPLEX RECEPTACLE ("WP" = WEATHERPROOF, "IG" = ISOLATED GROUND)</p> <p>DUPLEX GFCI RECEPTACLE</p> <p>QUAD RECEPTACLE - CAN BE USED WITH OTHER TYPES</p> <p>SPECIAL PURPOSE RECEPTACLE</p> <p>SPECIAL CONNECTION - REFER TO EQUIPMENT SCHEDULE</p> <p>PANELBOARD</p> <p>SAFETY DISCONNECT - "F" = FUSIBLE</p> <p>PUSH BUTTON</p> <p>MANUAL MOTOR CONTROLLER</p> <p>COMBINATION MOTOR CONTROLLER</p> <p>MOTOR - REFER TO SCHEDULE</p> <p>OVERHEAD DOOR PUSH BUTTON</p> <p>FIRE ALARM</p> <p>CONTROL CABINET</p> <p>REMOTE ANNUNCIATOR</p> <p>REMOTE ANNUNCIATOR WITH MICROPHONE</p> <p>VISUAL TEXT MESSAGING DISPLAY</p> <p>REMOTE NOTIFICATION DEVICE POWER SUPPLY PANEL</p> <p>CEILING MOUNTED DETECTOR - "P" = PHOTOELECTRIC</p> <p>CEILING MOUNTED DETECTOR - COMBO SMOKE & CARBON MONOXIDE</p> <p>CEILING MOUNTED DETECTOR - COMBO HEAT & CARBON MONOXIDE</p> <p>CEILING MOUNTED RATE OF RISE DETECTOR</p> <p>CEILING MOUNTED FIXED TEMPERATURE DETECTOR</p> <p>DUCT MOUNTED DETECTOR - "P" = PHOTOELECTRIC; "I" = IONIZATION</p> <p>MANUAL PULL STATION</p> <p>EXTERIOR SPEAKER/STROBE</p> <p>HORN/STROBE</p> <p>SPEAKER/STROBE - "CM" = CEILING MOUNT</p> <p>CHIME/STROBE - "CM" = CEILING MOUNT</p> <p>STROBE LIGHT "FIRE" - WALL MOUNT</p> <p>STROBE LIGHT "FIRE" - CEILING MOUNT</p> <p>MAGNETIC DOOR HOLDER</p> <p>INDIVIDUALLY ADDRESSABLE INPUT MODULE</p> <p>INDIVIDUALLY ADDRESSABLE RELAY MODULE</p> <p>FLOW SWITCH: FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR - WIRED BY ELECTRICAL CONTRACTOR</p> <p>TAMPER SWITCH: FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR - WIRED BY ELECTRICAL CONTRACTOR</p> <p>FIRE/SMOKE DAMPER. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR - WIRED BY ELECTRICAL CONTRACTOR</p>	<p>COMMUNICATIONS SYSTEMS</p> <p>WALL MOUNTED CABINET</p> <p>EQUIPMENT RACK</p> <p>VIDEO SURVEILLANCE CAMERA - ARROW DESIGNATES COVERAGE DIRECTION</p> <p>CARD READER</p> <p>CLOCK</p> <p>WALL MOUNTED SPEAKER</p> <p>CEILING SPEAKER</p> <p>VOLUME CONTROLLER</p> <p>MICROPHONE INPUT</p> <p>AUXILIARY INPUT</p> <p>AUDIO/VIDEO INPUT (HDMI)</p> <p>TELECOMMUNICATIONS OUTLET</p> <p>TELEVISION OUTLET</p> <p>WIRELESS ACCESS POINT</p> <p>TELEMETRY UNIT</p> <p>NURSE CALL SYSTEMS</p> <p>NURSE CALL SYSTEM CABINET</p> <p>NURSE CALL REMOTE ANNUNCIATOR</p> <p>ZONE LIGHT - WALL MOUNT AT 80" A.F.F. OR CEILING MOUNT AS DIRECTED.</p> <p>CORRIDOR LIGHT - WALL MOUNT AT 80" A.F.F. OR CEILING MOUNT AS DIRECTED.</p> <p>NURSE CALL STATION - WALL MOUNT AT 46" A.F.F. OR AS DIRECTED.</p> <p>"B" = CODE BLUE "BI" = BED INTERFACE "CP" = CODE PINK "D" = DUTY STATION "ID" = INDICATOR "L" = LOCATOR (STATUS) STATION "MS" = MASTER STATION "O" = OPTICAL INTERFACE JACK "P" = PATIENT STATION "S" = STAFF ASSIST - CALL STATION "T" = TOILET STATION "TV" = TELEVISION INTERFACE</p> <p>ABBREVIATIONS</p> <p>E.C. = ELECTRICAL CONTRACTOR</p> <p>M.C. = MECHANICAL CONTRACTOR</p> <p>G.C. = GENERAL CONTRACTOR</p> <p>AC = MOUNT 4" ABOVE BACKSLASH (VERIFY HEIGHT)</p> <p>BC = MOUNT BELOW COUNTER AT STANDARD MOUNTING HEIGHT</p> <p>UC = MOUNT IN UPPER CABINET (VERIFY LOCATION)</p> <p>CM = CEILING MOUNT</p> <p>MW = MICROWAVE - MOUNT IN SPACE BEHIND MICROWAVE LOCATION</p> <p>RF = REFRIGERATOR - SEE SCHEDULE</p> <p>VM = VENDING MACHINE - SEE SCHEDULE</p> <p>WG = WIRE GUARD</p>



PROJECT GENERAL NOTES:

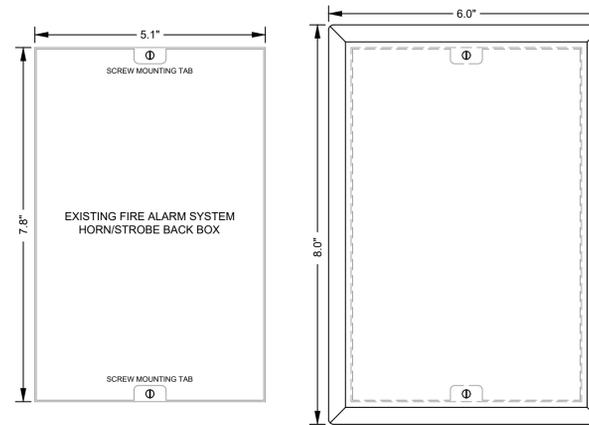
THE EXISTING CONDITIONS HAVE BEEN VERIFIED BASED ON THE OWNER'S ASSISTANCE, CASUAL ON-SITE OBSERVATION, AND THE EXISTING PROJECT DRAWINGS.

THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO BIDDING AND STARTING OF ANY WORK. STARTING OF ANY WORK MEANS THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS AND UNDERSTANDS THE SCOPE OF THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR THE CONTRACTOR'S LACK OF UNDERSTANDING OF THE EXISTING BUILDING CONDITIONS. IF A DISCREPANCY SHOULD EXIST THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ENGINEER/OWNER FOR A DECISION. CONTRACTOR SHALL COORDINATE ALL PARTIAL/FULL SYSTEM OUTAGES WITH THE OWNER AND ENGINEER 48 HOURS BEFORE STARTING WORK ON THE SYSTEM.

EXISTING FIRE ALARM SYSTEM ZONE SCHEDULE	
ZONE	DESCRIPTION
1	GROUND FLOOR BOILER/ELECTRICAL ROOM
2	GROUND FLOOR - NORTHWEST AREA
3	GROUND FLOOR - SOUTH AREA & 2011 ADDITION
4	GROUND FLOOR - CENTER AREA
5	GROUND FLOOR - EAST AREA
6	GROUND FLOOR - TRAINING WORK BAYS
7	UPPER FLOOR - WEST AREA & 2011 ADDITION
8	UPPER FLOOR - SOUTH AREA
9	UPPER FLOOR - CENTER AREA
10	UPPER FLOOR - EAST AREA
11	UPPER FLOOR - EAST AHU #1
12	UPPER FLOOR - EAST AHU #2
13	UPPER FLOOR - ASSEMBLY HALL AHU #3
14	UPPER FLOOR - NORTHWEST AHU #4
15	UPPER FLOOR - WEST AHU #5
16	GROUND FLOOR - WEST & SOUTH AHU #6
17	GROUND FLOOR - AUDITORIUM AHU #7
18	GROUND FLOOR - EAST AHU #8
19	GROUND FLOOR - TRAINING WORK BAYS AHU #9
20	GROUND FLOOR - RIFLE RANGE AHU #10
21	UPPER FLOOR - BOILER ROOM AHU #11
22	GROUND FLOOR - FLOW SWITCH
23	GROUND FLOOR - TAMPER SWITCH
24	UPPER FLOOR - FLOW SWITCH
25	UPPER FLOOR - TAMPER SWITCH
26	GROUND FLOOR - WEIGHT ROOM AHU #12
27	GROUND FLOOR - 2011 ADDITION AHU #13
28	RECRUITING BLDG 4150 - FIRE PANEL
29	SPACE
30	SPACE
32	FMS #4 BLDG 4300 - FIRE PANEL
34	WAREHOUSE BLDG 4100 - FIRE PANEL

FIRE ALARM SYSTEM REPLACEMENT NOTES:

- THE EXISTING ZONED FIRE ALARM SYSTEM (SIMPLEX 2001-8001 CONTROL PANEL) REPLACEMENT SHALL BE PHASED IN ORDER TO LIMIT THE DURATION OF COMPLETE SYSTEM OUTAGES. THE ENTIRE FIRE ALARM SYSTEM MAY ONLY BE TAKEN OFFLINE DURING THE TIME IT TAKES TO REMOVE THE EXISTING FIRE PANEL AND INSTALL THE NEW FIRE PANEL. CONTRACTOR SHALL PLAN WORK TO MINIMIZE OUTAGE DURATION AND COORDINATE WITH OWNER FOR FIRE WATCH AND OCCUPANT NOTIFICATION DURING THESE TIMES.
 - REFER TO EXISTING FIRE ALARM ZONE SCHEDULE FOR ZONE INFORMATION.
 - IF UTILIZING THE BASIS OF DESIGN SYSTEM, INSTALL THE NEW CONTROL PANEL AND PROVIDE ZONE AND RELAY CARDS AS REQUIRED TO MONITOR/CONTROL EXISTING ZONES/EQUIPMENT. THIS WILL ALLOW EACH ZONE TO BE SWITCHED OVER TO THE NEW ADDRESSABLE SYSTEM ONE ZONE AT A TIME.
 - IF AN ALTERNATE MANUFACTURER IS UTILIZED, THE EXISTING FIRE ALARM CONTROL PANEL WILL NEED TO BE REMOVED AND TEMPORARILY RE-INSTALLED TO MONITOR THE EXISTING ZONES. THE EXISTING PANEL WILL NEED TO REPORT TO THE NEW FIRE ALARM CONTROL PANEL UNTIL ALL ZONES HAVE BEEN SWITCHED OVER TO THE NEW FIRE ALARM CONTROL PANEL.
 - THESE STEPS WILL ALLOW ONLY PORTIONS OF THE BUILDING TO BE WITHOUT COVERAGE AT ANY GIVEN TIME AND SHORTEN THE OVERALL DURATION OF A TOTAL SYSTEM OUTAGE.
- EXISTING FIRE ALARM SYSTEM PANELS IN THREE OTHER COMPLEX BUILDINGS, FMS #4 4300(SIMPLEX 4007ES), RECRUITING 4150(SIEMENS SXL-EX) AND WAREHOUSE 4100 (SIMPLEX 4007ES) ARE MONITORED AND TRANSMIT ALARMS BY THIS FIRE ALARM CONTROL PANEL VIA FOUR REMOTE DIALERS. MONITORING OF ALL FIRE PANELS SHALL BE MAINTAINED DURING AND AFTER FIRE PANEL REPLACEMENT. UPON PROJECT COMPLETION THE FOUR EXISTING DIALERS SHALL BE REMOVED AND THE NEW FIRE ALARM CONTROL PANEL SHALL PROVIDE TRANSMISSION OF ALL SIGNALS FOR EACH OF THE FOUR(4) BUILDING ALARM AND TROUBLE CONDITIONS UTILIZING THE DACT. OWNER SHALL ENTER INTO A MONITORING CONTACT WITH A VENDOR OF THEIR CHOOSING. PROVIDE ALL REQUIRED COMPONENTS AS REQUIRED TO MAINTAIN SYSTEM MONITORING OF ALL FIRE PANELS WITH MONITORING COMPANY.
- EXISTING CIRCUITRY IS INDICATED ON THESE DOCUMENTS BASED ON THE ORIGINAL CONTRACT DOCUMENTS AND SUPPLEMENTED WITH ASSUMPTIONS FOR ADDITIONAL EXISTING DEVICES THAT WERE NOT SHOWN ON THE ORIGINAL DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITRY ROUTING. NEW CIRCUITRY HAS BEEN SHOWN TO INDICATED POTENTIAL CONNECTIONS AND ROUTING OF CIRCUITRY TO INTEGRATE NEW DEVICES WITH EXISTING RACEWAY SYSTEM. CONTRACTOR SHALL VERIFY FINAL CIRCUITRY ROUTING WITH FIRE ALARM SYSTEM SUPPLIER. CIRCUITRY MAY BE RECONFIGURED IN THE FIELD BASED ON ACTUAL CONDITIONS AND FIRE ALARM SYSTEM SUPPLIER WIRING DIAGRAMS.
- ALL EXISTING CONDUCTORS SHALL BE REMOVED AND REPLACED WITH NEW CONDUCTORS AS INDICATED IN THE FIRE ALARM SYSTEM SUPPLIER WIRING DIAGRAMS WHICH TO BE INCLUDED IN THE SHOP DRAWING SUBMITTAL.
- ALL NEW RACEWAYS AND CIRCUITRY SHALL BE INSTALLED IN EACH AREA PRIOR TO DISABLING THE CORRESPONDING EXISTING FIRE ALARM SYSTEM ZONE IN ORDER TO MINIMIZE OUTAGE DURATION.
- THE CONTRACTOR AND FIRE ALARM SYSTEM REPRESENTATIVE SHALL PROVIDE A PLAN AND SEQUENCE OF HOW EACH ZONE WILL BE SWITCHED OVER TO MINIMIZE OUTAGE DURATION. THIS PLAN SHALL BE SUBMITTED PRIOR TO THE PRE-CONSTRUCTION MEETING.
- THE FIRE ALARM SYSTEM REPRESENTATIVE WILL BE REQUIRED TO ATTEND THE PRE-CONSTRUCTION MEETING TO DISCUSS THE OVERALL PROJECT AND HOW THE ABOVE ITEMS WILL BE HANDLED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL SYSTEM OUTAGES WITH THE OWNER SO THAT THE OWNER CAN IMPLEMENT THEIR PLAN FOR FIRE WATCH WALK-THROUGHS AND NOTIFICATION PROCEDURES OF FACILITY OCCUPANTS UTILIZING THE EXISTING PUBLIC ADDRESS SYSTEM.
- CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH SERVICES AND MATERIAL FURNISHED BY THE FOLLOWING EQUIPMENT SUPPLIERS/CONTRACTORS IN THE BID AMOUNT TO ENSURE INTEGRATION OF EXISTING EQUIPMENT/SYSTEMS WITH THE NEW FIRE ALARM SYSTEM AND ALL SYSTEMS FUNCTION CORRECTLY:
 - BUILDING TEMPERATURE CONTROL/AUTOMATION: ENERGY TECH SYSTEMS
 - *INTEGRATION WITH AIR HANDLER CONTROLS FOR SHUTDOWN AND RE-STARTING OF EQUIPMENT.
 - ELEVATOR: TK ELEVATOR
 - *INTEGRATION OF NEW FIRE ALARM AND DISCONNECTING MEANS WITH EXISTING ELEVATOR EQUIPMENT. EXISTING ELEVATOR EQUIPMENT IS NOT TO BE UPGRADED.
 - *COORDINATION FOR ACCESS INTO ELEVATOR SHAFT FOR REPLACEMENT/INSTALLATION OF NEW INITIATING DEVICES.
 - FIRE SUPPRESSION: NOVA FIRE PROTECTION
 - *INTEGRATION WITH EXISTING FIRE SUPPRESSION MONITORING DEVICES.



1 EXISTING NOTIFICATION DEVICE BLANK PLATE DETAIL
not to scale

INSTALLATION NOTES:

- EXISTING BACKBOX RECESSED IN BLOCK WALL. REMOVE EXISTING HORN/STROBE AND ASSOCIATED CIRCUITRY.
- EXISTING BACKBOX DIMENSIONS WHERE OBTAINED FROM THE ORIGINAL SHOP DRAWING SUBMITTALS AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- PROVIDE CUSTOM 16 GAUGE STAINLESS STEEL BLANK PLATE WITH BEVELED EDGES TO MIMIC A STANDARD SINGLE GANG J-BOX STAINLESS STEEL BLANK PLATE. PROVIDE SCREW HOLES TO MATCH EXISTING MOUNTING TABS.
- PROVIDE STAINLESS STEEL SCREWS. FIELD VERIFY SCREW SIZE REQUIREMENT.
- BASIS OF DESIGN FACEPLATE MANUFACTURER IS AMERICAN MIDWEST POWER. SAMPLE FACEPLATE SHALL BE PROVIDED DURING SHOP DRAWING SUBMITTAL FOR REVIEW AND APPROVAL.

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ELECTRICAL SYMBOLS LEGEND & NOTES

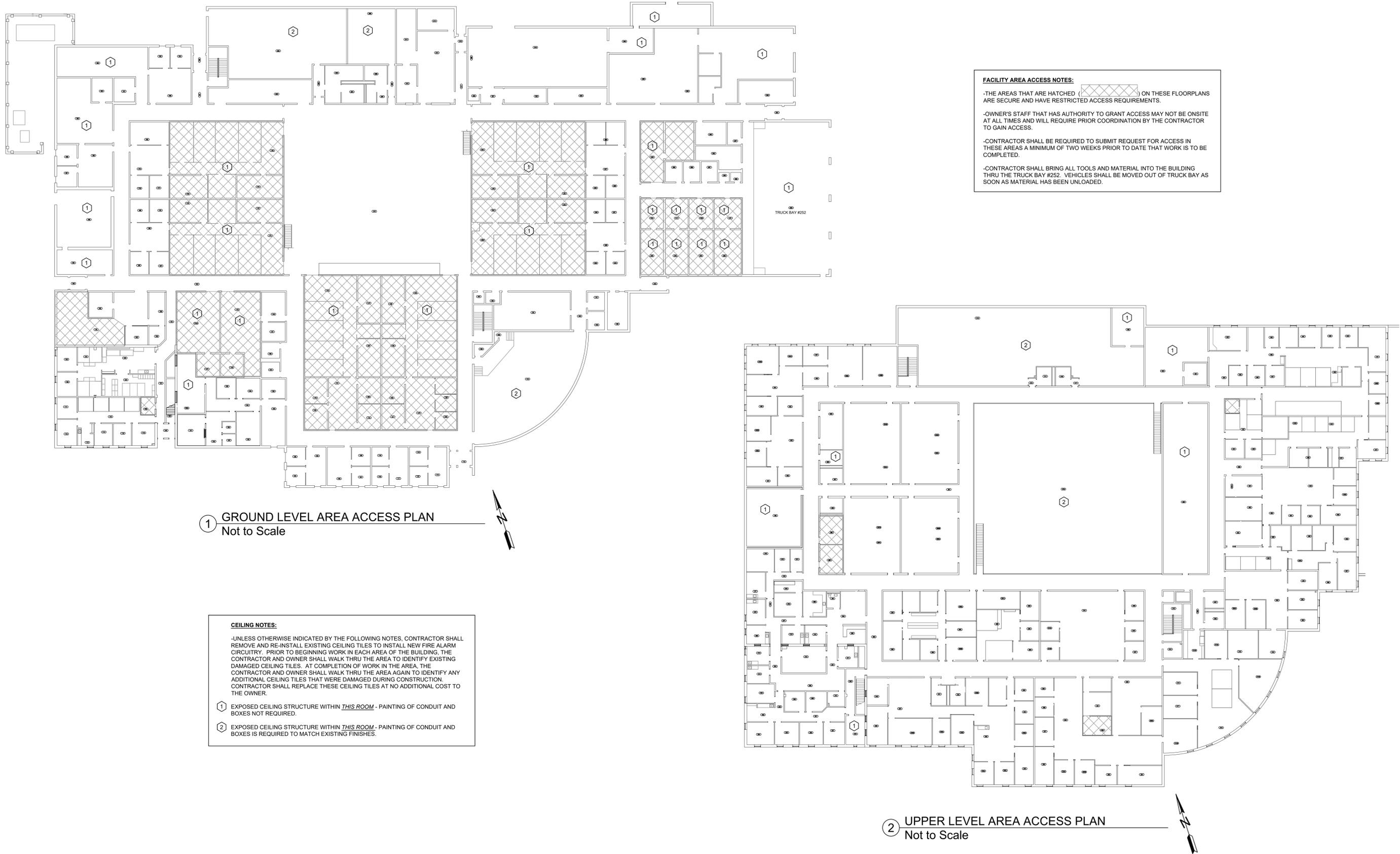


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FACILITY AREA ACCESS NOTES:

- THE AREAS THAT ARE HATCHED () ON THESE FLOORPLANS ARE SECURE AND HAVE RESTRICTED ACCESS REQUIREMENTS.
- OWNER'S STAFF THAT HAS AUTHORITY TO GRANT ACCESS MAY NOT BE ONSITE AT ALL TIMES AND WILL REQUIRE PRIOR COORDINATION BY THE CONTRACTOR TO GAIN ACCESS.
- CONTRACTOR SHALL BE REQUIRED TO SUBMIT REQUEST FOR ACCESS IN THESE AREAS A MINIMUM OF TWO WEEKS PRIOR TO DATE THAT WORK IS TO BE COMPLETED.
- CONTRACTOR SHALL BRING ALL TOOLS AND MATERIAL INTO THE BUILDING THRU THE TRUCK BAY #252. VEHICLES SHALL BE MOVED OUT OF TRUCK BAY AS SOON AS MATERIAL HAS BEEN UNLOADED.

① GROUND LEVEL AREA ACCESS PLAN
Not to Scale

CEILING NOTES:

-UNLESS OTHERWISE INDICATED BY THE FOLLOWING NOTES, CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES TO INSTALL NEW FIRE ALARM CIRCUITRY. PRIOR TO BEGINNING WORK IN EACH AREA OF THE BUILDING, THE CONTRACTOR AND OWNER SHALL WALK THRU THE AREA TO IDENTIFY EXISTING DAMAGED CEILING TILES. AT COMPLETION OF WORK IN THE AREA, THE CONTRACTOR AND OWNER SHALL WALK THRU THE AREA AGAIN TO IDENTIFY ANY ADDITIONAL CEILING TILES THAT WERE DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL REPLACE THESE CEILING TILES AT NO ADDITIONAL COST TO THE OWNER.

- ① EXPOSED CEILING STRUCTURE WITHIN THIS ROOM - PAINTING OF CONDUIT AND BOXES NOT REQUIRED.
- ② EXPOSED CEILING STRUCTURE WITHIN THIS ROOM - PAINTING OF CONDUIT AND BOXES IS REQUIRED TO MATCH EXISTING FINISHES.

② UPPER LEVEL AREA ACCESS PLAN
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FACILITY ACCESS PLAN



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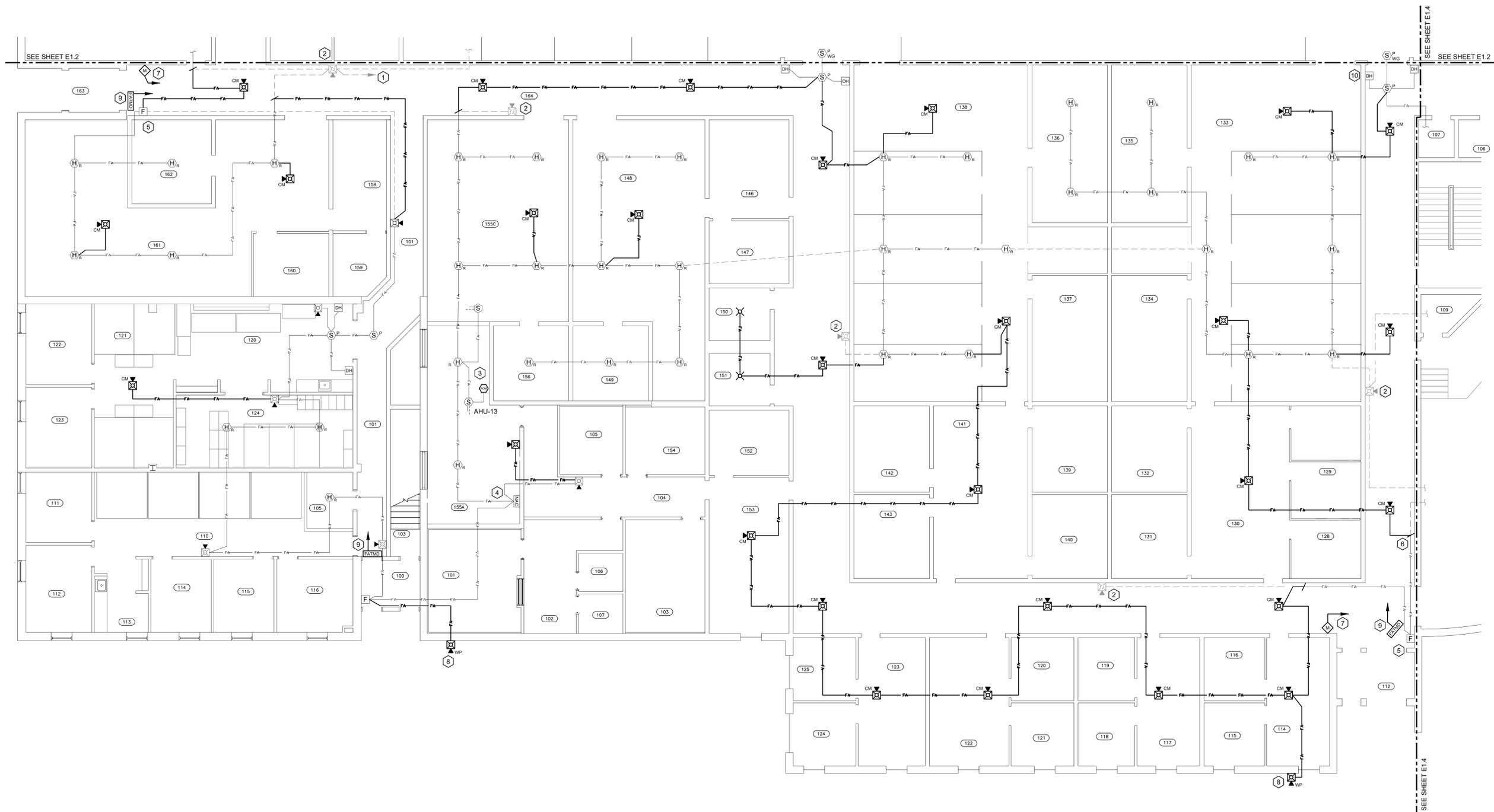
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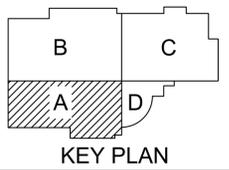
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SHEET INSTALLATION NOTES

- 1 ORIGINAL CONSTRUCTION DOCUMENTS INDICATE ZONE CIRCUIT HOMERUN BACK TO FIRE ALARM CONTROL PANEL FROM THIS LOCATION AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REMOVE EXISTING CIRCUITRY AND PROVIDE NEW CIRCUITRY AS REQUIRED FOR NEW ADDRESSABLE FIRE ALARM SYSTEM AND NOTIFICATION DEVICES.
- 2 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 3 REMOVE EXISTING DUCT DETECTORS AND EXISTING MECHANICAL SHUTDOWN RELAYS. PROVIDE NEW DUCT DETECTORS. NEW SAMPLING TUBES WITH LENGTH TO BE FIELD VERIFIED. ADDRESSABLE RELAY MODULES AND CONNECTIONS. MODIFY EXISTING DUCT INSULATION AS REQUIRED FOR INSTALLATION OF NEW DUCT DETECTOR. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 4 REPLACE EXISTING NOTIFICATION APPLIANCE REMOTE POWER SUPPLY PANEL WITH NEW PANEL AS REQUIRED BY FIRE ALARM SYSTEM SUPPLIER.
- 5 EXISTING MANUAL PULL STATION MOUNTED WITH BOTTOM AT 55" AFF. PROVIDE SURFACE WIREMOLD EXTENSION BOX, RACEWAY AND SURFACE MOUNT BOX TO LOWER PULL STATION TO ADA COMPLIANT HEIGHT - BOTTOM AT 44" AFF. PROVIDE NEW ADDRESSABLE MANUAL PULL STATION.
- 6 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.
- 7 SURFACE MOUNT MASS NOTIFICATION SYSTEM MICROPHONE WITH PRE-RECORDED MESSAGE ACTIVATION BUTTONS. FIELD VERIFY LOCATION.
- 8 PROVIDE SURFACE MOUNT EXTERIOR FIRE ALARM SPEAKER STROBE. FIELD VERIFY MOUNTING HEIGHT WITH ENGINEER.
- 9 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.
- 10 REMOVE EXISTING MAGNETIC DOOR HOLD OPEN AND PROVIDE NEW HOLD OPEN. TYPICAL OF ALL LOCATIONS SHOWN.



1 GROUND LEVEL AREA 'A' - FIRE ALARM PLAN
1/8" = 1'-0"



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GROUND LEVEL - AREA 'A'



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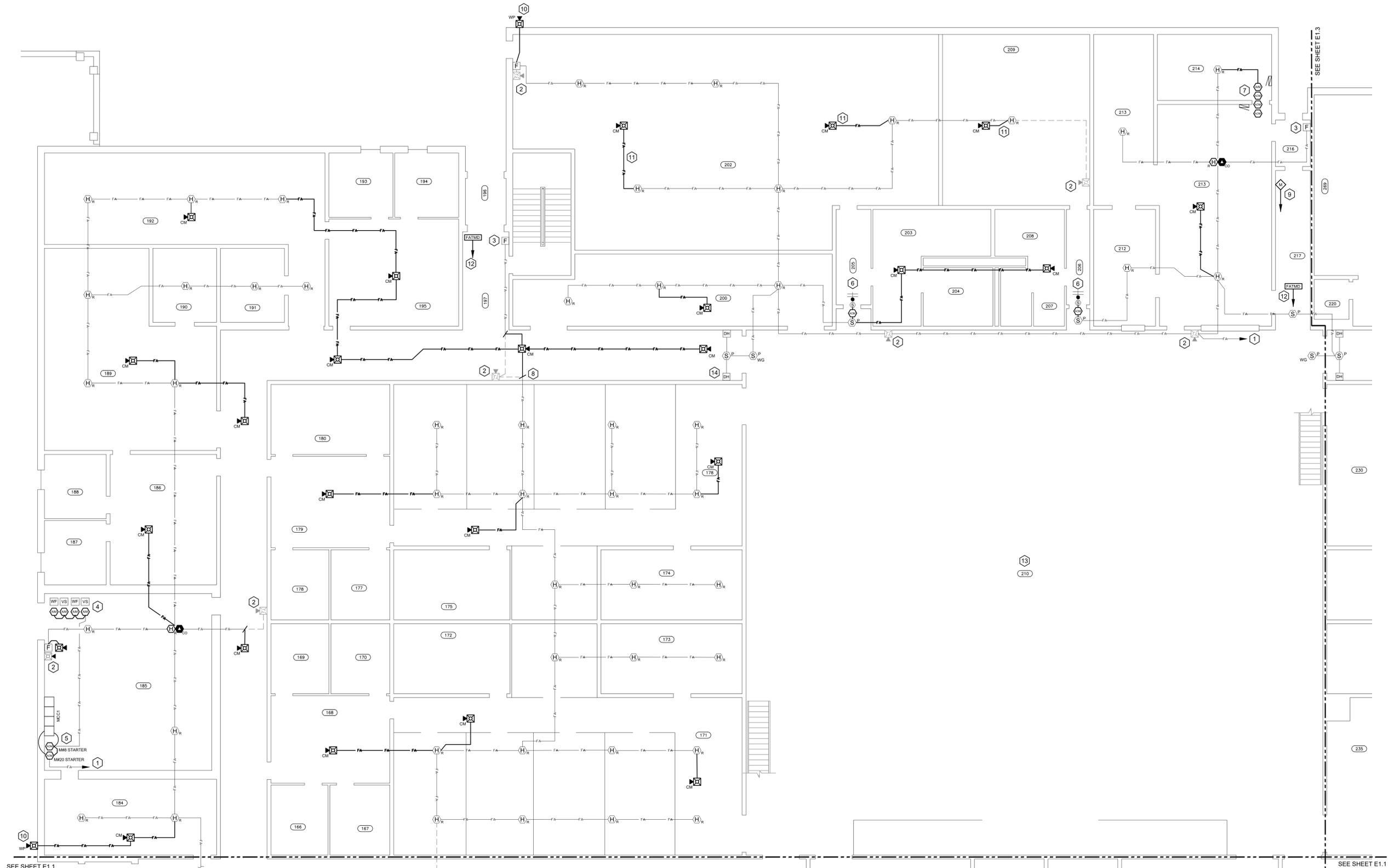
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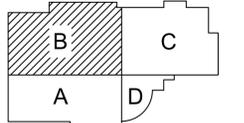
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- 4 PROVIDE ADDRESSABLE MODULES AND CONNECTIONS TO MONITOR EXISTING FIRE SUPPRESSION SYSTEM FLOW AND TAMPER SWITCHES.
- 5 REMOVE EXISTING RELAYS. PROVIDE NEW ADDRESSABLE RELAY MODULES, AND CONNECTIONS TO CONTROL MECHANICAL EQUIPMENT IDENTIFIED. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 6 PROVIDE ADDRESSABLE RELAY MODULE AND CONNECTIONS TO CONTROL EXISTING FIRE SMOKE DAMPER.
- 7 HOOD FIRE SUPPRESSION SYSTEM AND HOOD CONTROL PANEL LOCATED IN THIS AREA. DISCONNECT EXISTING CONTROLS AND CIRCUITRY ASSOCIATED WITH THE FIRE ALARM SYSTEM. PROVIDE NEW ADDRESSABLE INPUT MODULE TO MONITOR THE HOOD FIRE SUPPRESSION SYSTEM. NEW ADDRESSABLE RELAY MODULES TO CONTROL THE GAS VALVE, ELECTRICAL EQUIPMENT CIRCUITS AND CONNECTIONS FOR EQUIPMENT LOCATED UNDER THE KITCHEN HOOD. FIELD VERIFY EXTENT OF WORK REQUIRED AND LOCATION OF SHUTDOWN CONTACTORS FOR THE ELECTRICAL CIRCUITS LOCATED UNDER THE HOOD.
- 8 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.
- 9 SURFACE MOUNT MASS NOTIFICATION SYSTEM MICROPHONE WITH PRE-RECORDED MESSAGE ACTIVATION BUTTONS. FIELD VERIFY LOCATION.
- 10 PROVIDE SURFACE MOUNT EXTERIOR FIRE ALARM SPEAKER STROBE. FIELD VERIFY MOUNTING HEIGHT WITH ENGINEER.
- 11 NEW CONDUIT TO BE PAINTED TO MATCH EXISTING EXPOSED STRUCTURE CEILING COLOR. PROVIDE PAINT CHIP COLORS FOR REVIEW BY OWNER'S REPRESENTATIVE.
- 12 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.
- 13 THIS AREA IS A GYMNASIUM THAT SPANS BOTH BOTH LEVELS. REFER TO SHEET E2.2 FOR ADDITIONAL WORK REQUIRED.
- 14 REMOVE EXISTING MAGNETIC DOOR HOLD OPEN AND PROVIDE NEW HOLD OPEN. TYPICAL OF ALL LOCATIONS SHOWN.



1 GROUND LEVEL AREA 'B' - FIRE ALARM PLAN
1/8" = 1'-0"



KEY PLAN

REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
 Armory Bldg. 4200, RJB Complex, Bismarck, ND
 Owner: The Adjutant General, State of ND

GROUND LEVEL - AREA 'B'



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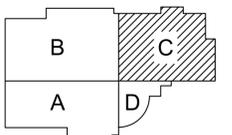
Owner's Project #: 2522
 Project #: 25.139.0141
 Date: 10/13/2025
 Drawn By: WMG
 Checked By: WMG/JMK
 Approved By: WMG



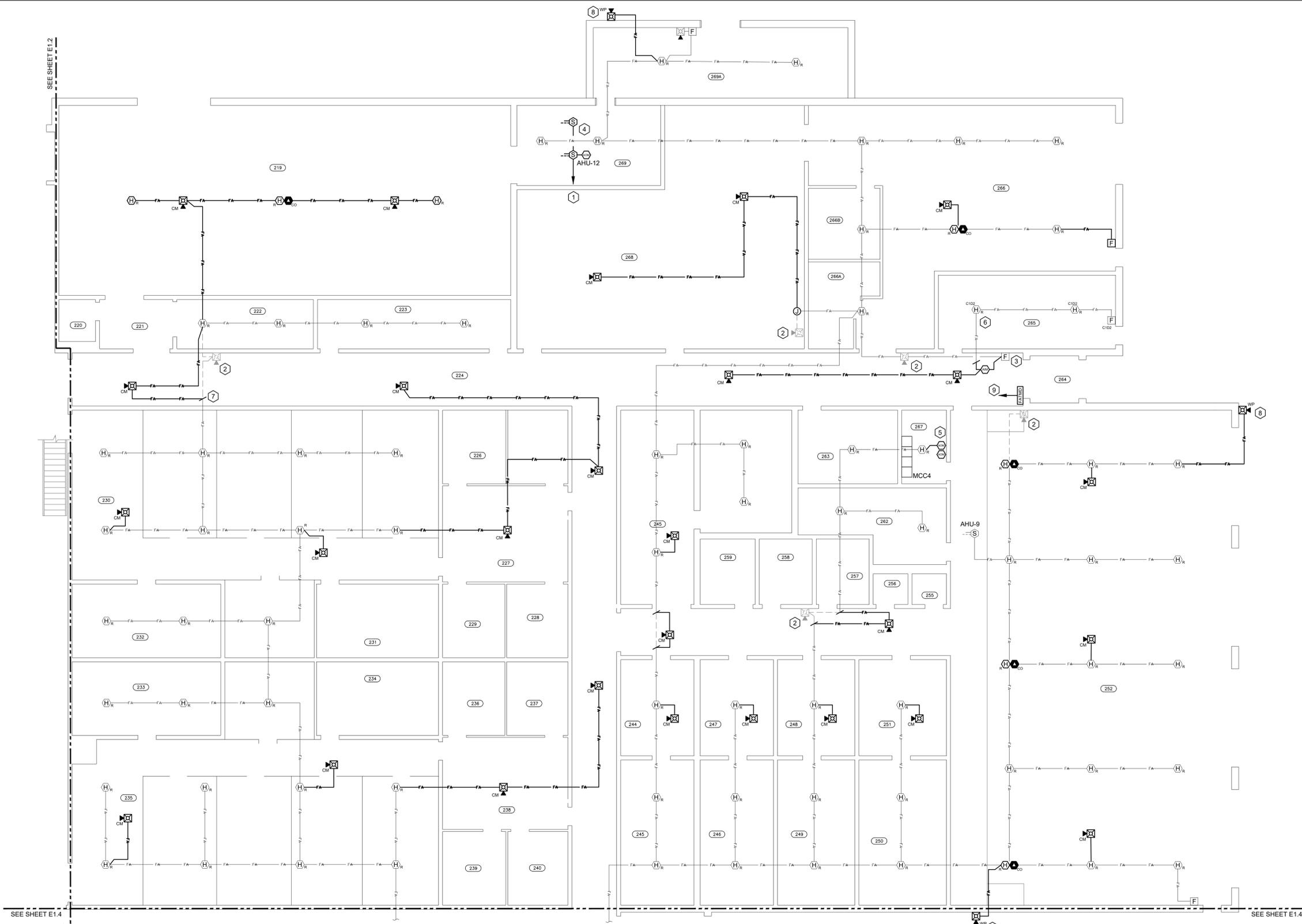
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SHEET INSTALLATION NOTES

- 1 ORIGINAL CONSTRUCTION DOCUMENTS INDICATE FIRE ALARM CIRCUIT HOMERUN BACK TO FIRE ALARM CONTROL PANEL FROM THIS LOCATION AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REMOVE EXISTING CIRCUITRY AND PROVIDE NEW CIRCUITRY AS REQUIRED FOR NEW ADDRESSABLE FIRE ALARM SYSTEM AND NOTIFICATION DEVICES.
- 2 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 3 EXISTING MANUAL PULL STATION MOUNTED WITH BOTTOM AT 55" AFF. PROVIDE SURFACE WIREMOLD EXTENSION BOX, RACEWAY AND SURFACE MOUNT BOX TO LOWER PULL STATION TO ADA COMPLIANT HEIGHT - BOTTOM AT 44" AFF. PROVIDE NEW ADDRESSABLE PULL STATION.
- 4 REMOVE EXISTING DUCT DETECTOR. PROVIDE NEW DUCT DETECTORS, NEW SAMPLING TUBES WITH LENGTH TO BE FIELD VERIFIED, AND CONNECTIONS. EXISTING SHUTDOWN RELAYS APPEAR TO BE INSTALLED ADJACENT TO MCC4 - REFER TO NOTE #5 LOCATION. MODIFY EXISTING DUCT INSULATION AS REQUIRED FOR INSTALLATION OF NEW DUCT DETECTOR. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 5 EXISTING HVAC (AHU-9 & AHU-12) SHUTDOWN RELAY LOCATION - VERIFY. REMOVE EXISTING RELAYS. PROVIDE NEW ADDRESSABLE RELAY MODULES AND CONNECTIONS. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 6 CHEMICAL STORAGE ROOM HAS A CLASSIFIED LOCATION RATING OF CLASS 1, DIVISION 2 LOCATION. MONITORED THRU A NEW ADDRESSABLE INPUT MODULE. INTERCEPT EXISTING CIRCUITRY IN CORRIDOR AND PROVIDE NEW ADDRESSABLE INPUT MODULE TO MONITOR HAZARDOUS LOCATION DEVICES. PROVIDE NEW BOUNDARY SEAL IF EXISTING SEAL IS REQUIRED TO BE MODIFIED. **BASE BID:** EXISTING HEAT DETECTORS AND PULL STATION TO REMAIN. **ALTERNATE BID #1:** PROVIDE NEW HAZARDOUS LOCATION HEAT DETECTORS AND MANUAL PULL STATION.
- 7 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.
- 8 PROVIDE SURFACE MOUNT EXTERIOR FIRE ALARM SPEAKER STROBE. FIELD VERIFY MOUNTING HEIGHT WITH ENGINEER.
- 9 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.



KEY PLAN



1 GROUND LEVEL AREA 'C' - FIRE ALARM PLAN
1/8" = 1'-0"

REVISIONS

Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
 Armory Bldg. 4200, RJB Complex, Bismarck, ND
 Owner: The Adjutant General, State of ND

GROUND LEVEL - AREA 'C'

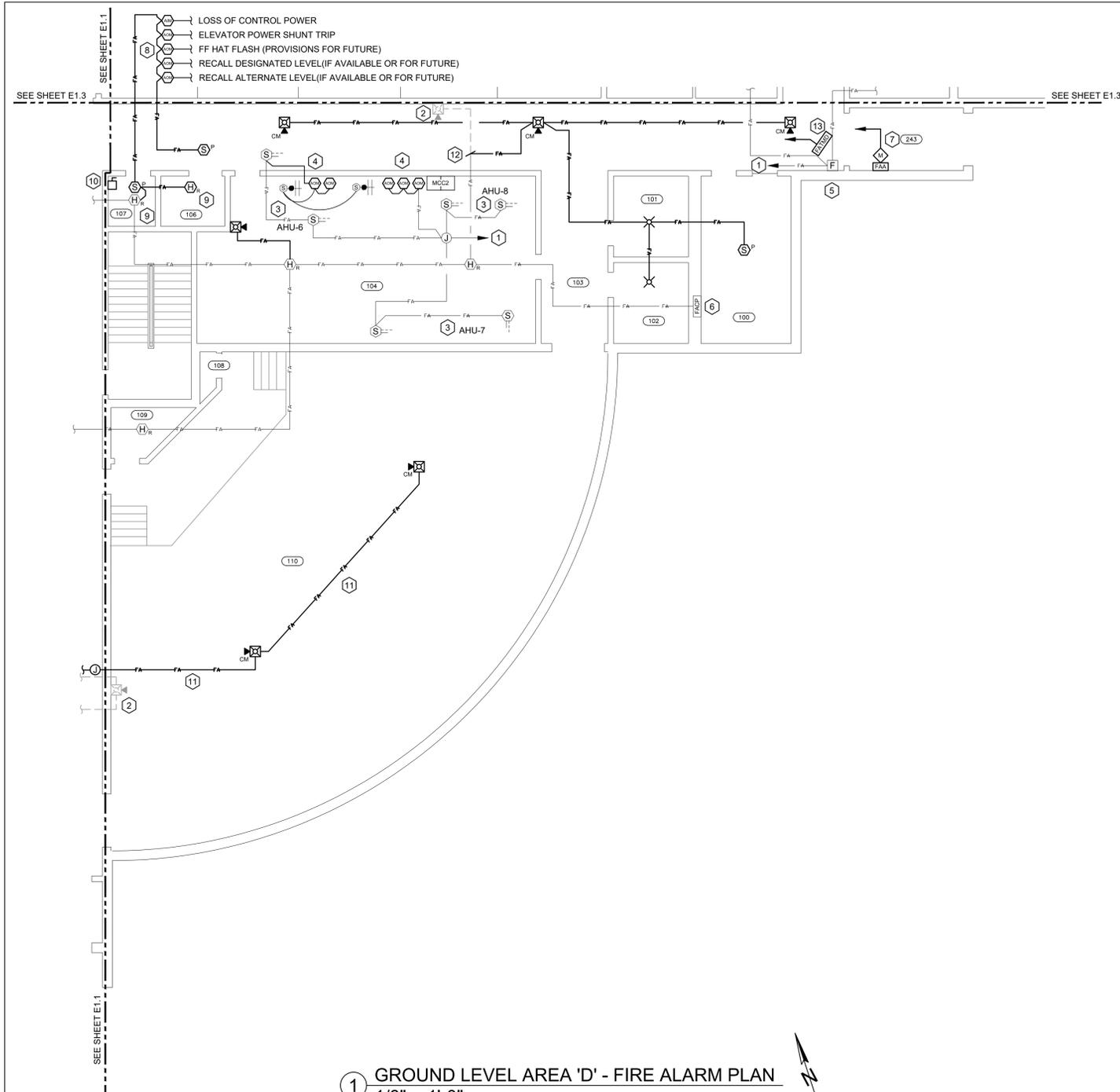


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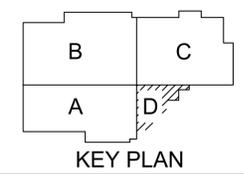
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1 GROUND LEVEL AREA 'D' - FIRE ALARM PLAN
1/8" = 1'-0"

SHEET INSTALLATION NOTES

- 1 ORIGINAL CONSTRUCTION DOCUMENTS INDICATE ZONE CIRCUIT HOMERUN BACK TO FIRE ALARM CONTROL PANEL FROM THIS LOCATION AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REMOVE EXISTING CIRCUITRY AND PROVIDE NEW CIRCUITRY AS REQUIRED FOR NEW ADDRESSABLE FIRE ALARM SYSTEM AND NOTIFICATION DEVICES.
- 2 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 3 REMOVE EXISTING DUCT DETECTORS AND EXISTING MECHANICAL SHUTDOWN RELAYS. PROVIDE NEW DUCT DETECTORS, NEW SAMPLING TUBES WITH LENGTH TO BE FIELD VERIFIED, ADDRESSABLE RELAY MODULES AND CONNECTIONS. MODIFY EXISTING DUCT INSULATION AS REQUIRED FOR INSTALLATION OF NEW DUCT DETECTOR. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 4 REMOVE EXISTING RELAYS. PROVIDE NEW ADDRESSABLE RELAY MODULES, AND CONNECTIONS TO CONTROL MECHANICAL EQUIPMENT IDENTIFIED. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 5 EXISTING MANUAL PULL STATION MOUNTED WITH BOTTOM AT 55" AFF. PROVIDE SURFACE WIREMOLD EXTENSION BOX, RACEWAY AND SURFACE MOUNT BOX TO LOWER PULL STATION TO ADA COMPLIANT HEIGHT - BOTTOM AT 44" AFF. PROVIDE NEW ADDRESSABLE MANUAL PULL STATION.
- 6 EXISTING FIRE ALARM SYSTEM CONTROL PANEL IS RECESSED IN EXISTING CONCRETE BLOCK WALL. BASIS OF DESIGN FIRE ALARM SYSTEM CONTROL PANEL SHALL BE INSTALLED IN EXISTING BACKBOX WITH A MODIFIED DOOR AND BOX EXTENSION. ALTERNATE MANUFACTURER CONTROL PANELS MAY REQUIRE REMOVAL OF BACKBOX AND MODIFICATIONS TO THE EXISTING BLOCK WALL. ALL COSTS SHALL BE INCLUDED IN THE BID AMOUNT FOR MASONRY WORK ASSOCIATED WITH IN-FILLING/MODIFYING THE BLOCK WALL AND PAINTING ENTIRE WEST WALL OF THE OFFICE IF AN ALTERNATE MANUFACTURER IS UTILIZED THAT REQUIRES A NEW BACKBOX WITH DIFFERENT DIMENSIONS. REFER TO NOTES ON SHEET 0.01 FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH THE FIRE PANEL REPLACEMENT. PROVIDE TWO(2) NEW CATEGORY 6 CABLES FROM FIRE PANEL TO TELECOMMUNICATIONS TERMINATION AREA.
- 7 SURFACE MOUNT FIRE ALARM SYSTEM REMOTE ANNUNCIATOR AND MASS NOTIFICATION SYSTEM MICROPHONE WITH PRE-RECORDED MESSAGE ACTIVATION BUTTONS. FIELD VERIFY LOCATION WITH ENGINEER.
- 8 PROVIDE NEW ADDRESSABLE RELAYS, INPUT MODULES AND CONNECTIONS TO EXISTING ELEVATOR FOR ITEMS INDICATED IN AVAILABLE. COORDINATE ALL WORK WITH ELEVATOR EQUIPMENT SUPPLIER. INCLUDE ALL COSTS ASSOCIATED WITH THE ELEVATOR EQUIPMENT SUPPLIER IN THE BID AMOUNT.
- 9 VERIFY INSTALLATION LOCATION OF HEAT DETECTOR (ELEVATOR MACHINE ROOM & ELEVATOR PIT) AND PROVIDE NEW ADDRESSABLE HEAT DETECTOR ADJACENT TO EXISTING FIRE SUPPRESSION SYSTEM HEAD. DETECTOR TO HAVE A LOWER INITIATING TEMPERATURE THAN THE FIRE SUPPRESSION SYSTEM. INCLUDE ALL COSTS ASSOCIATED WITH THE ELEVATOR EQUIPMENT SUPPLIER IN THE BID AMOUNT.
- 10 REMOVE EXISTING STANDARD DISCONNECT SWITCH AND PROVIDE A NEW ELEVATOR DISCONNECT SWITCH WITH SHUNT TRIP AS SPECIFIED. PROVIDE ALL CONNECTIONS AS REQUIRED. COORDINATE ALL WORK WITH ELEVATOR EQUIPMENT SUPPLIER.
- 11 NEW CONDUIT TO BE PAINTED TO MATCH EXISTING EXPOSED STRUCTURE CEILING COLOR. PROVIDE PAINT CHIP COLORS FOR REVIEW BY OWNER'S REPRESENTATIVE.
- 12 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.
- 13 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.



REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
 Armory Bldg. 4200, RJB Complex, Bismarck, ND
 Owner: The Adjutant General, State of ND

GROUND LEVEL - AREA 'D'



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Owner's Project #: 2522
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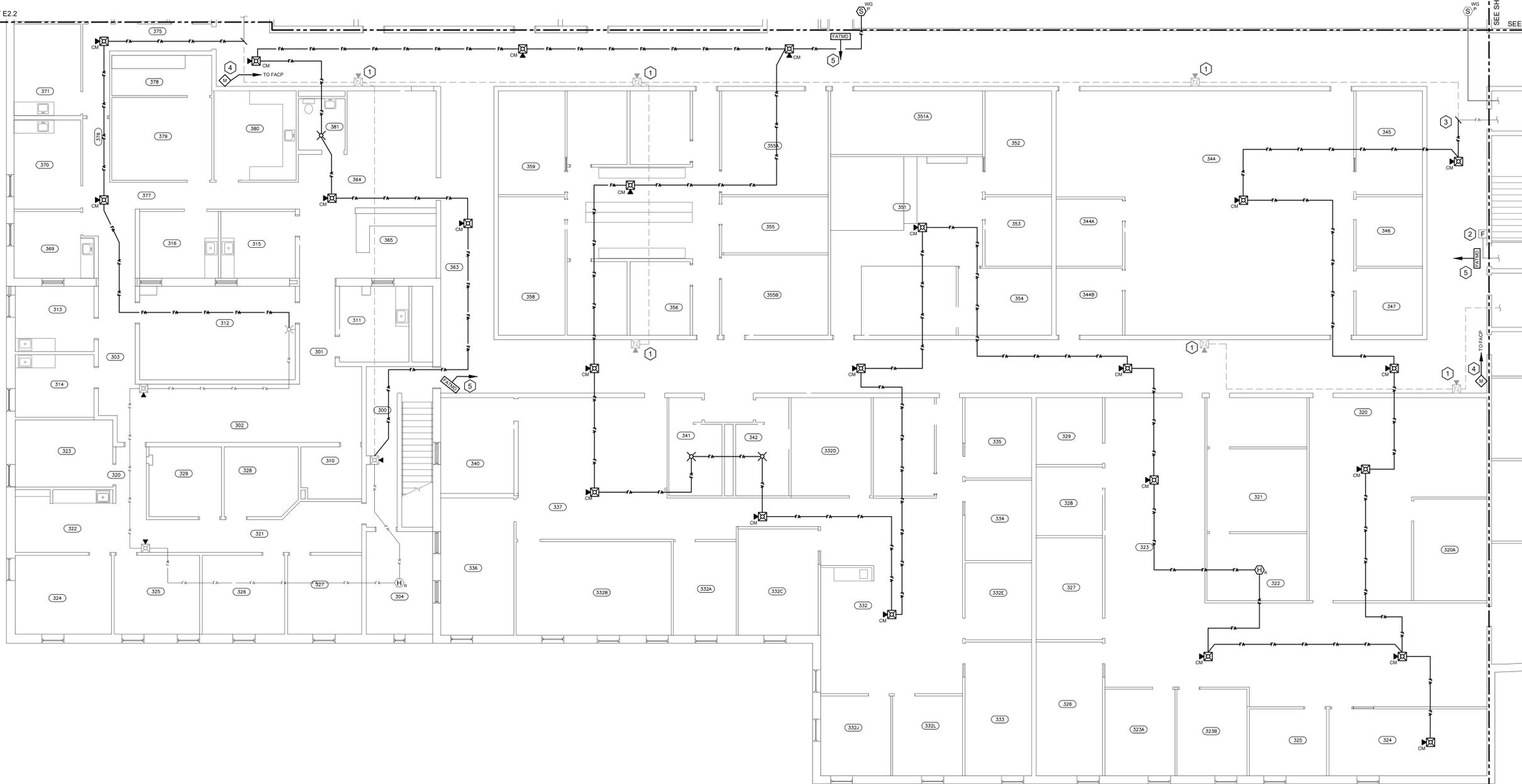
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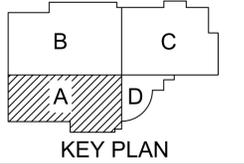
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SHEET INSTALLATION NOTES

- 1 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 2 EXISTING MANUAL PULL STATION MOUNTED WITH BOTTOM AT 55" AFF. PROVIDE SURFACE WIREMOLD EXTENSION BOX, RACEWAY AND SURFACE MOUNT BOX TO LOWER PULL STATION TO ADA COMPLIANT HEIGHT - BOTTOM AT 44" AFF. PROVIDE NEW ADDRESSABLE MANUAL PULL STATION.
- 3 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.
- 4 SURFACE MOUNT MASS NOTIFICATION SYSTEM MICROPHONE WITH PRE-RECORDED MESSAGE ACTIVATION BUTTONS. FIELD VERIFY LOCATION.
- 5 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.



1 UPPER LEVEL AREA 'A' - FIRE ALARM PLAN
1/8" = 1'-0"



REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
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UPPER LEVEL - AREA 'A'



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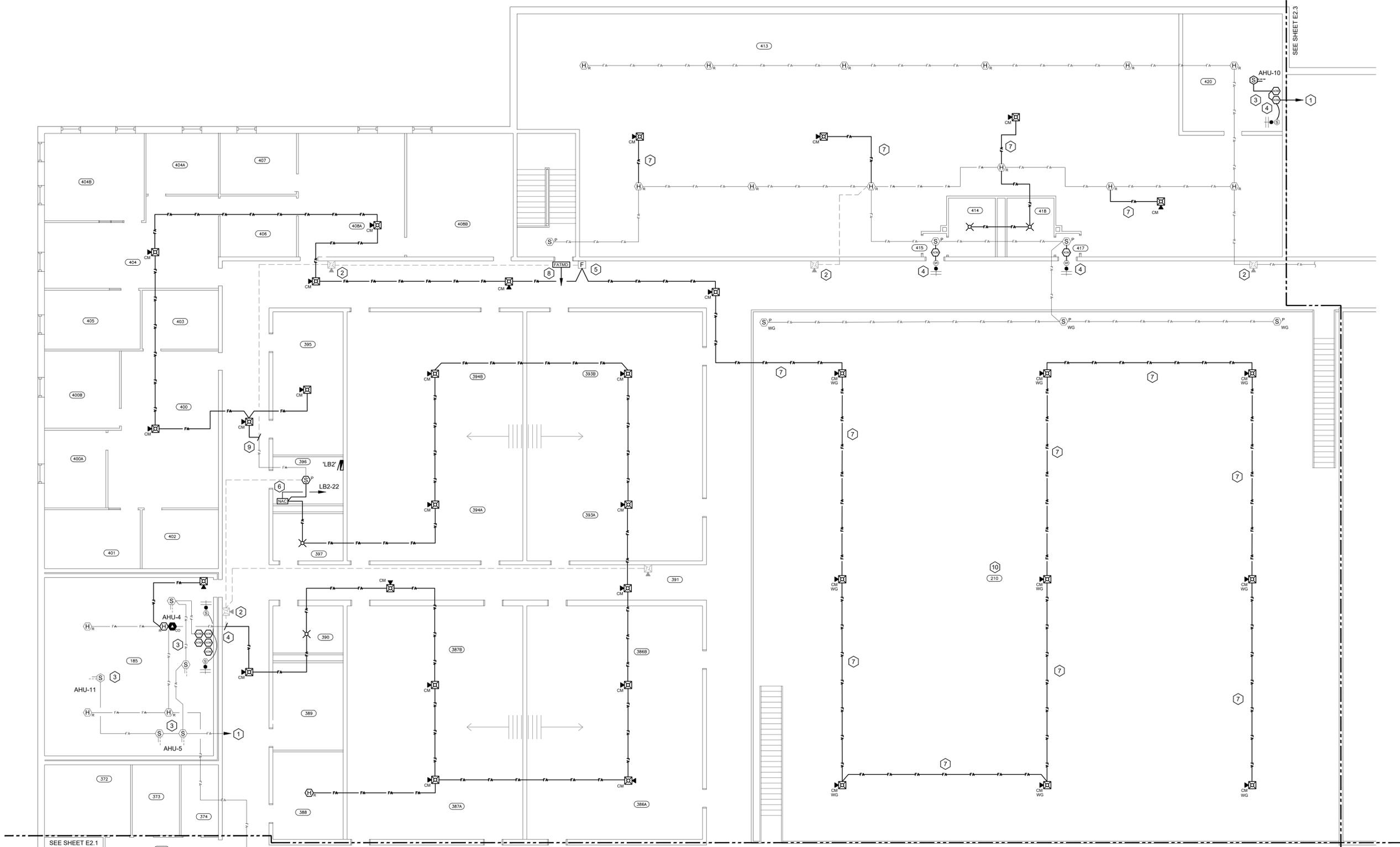
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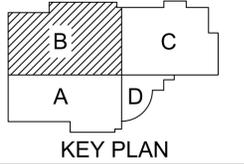
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SHEET INSTALLATION NOTES

- 1 ORIGINAL CONSTRUCTION DOCUMENTS INDICATE ZONE CIRCUIT HOMERUN BACK TO FIRE ALARM CONTROL PANEL FROM THIS LOCATION AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REMOVE EXISTING CIRCUITRY AND PROVIDE NEW CIRCUITRY AS REQUIRED FOR NEW ADDRESSABLE FIRE ALARM SYSTEM AND NOTIFICATION DEVICES.
- 2 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 3 REMOVE EXISTING DUCT DETECTORS AND EXISTING MECHANICAL SHUTDOWN RELAYS. PROVIDE NEW DUCT DETECTORS, NEW SAMPLING TUBES WITH LENGTH TO BE FIELD VERIFIED, ADDRESSABLE RELAY MODULES AND CONNECTIONS. MODIFY EXISTING DUCT INSULATION AS REQUIRED FOR INSTALLATION OF NEW DUCT DETECTOR. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 4 REMOVE EXISTING RELAYS, PROVIDE NEW ADDRESSABLE RELAY MODULES, AND CONNECTIONS TO CONTROL MECHANICAL EQUIPMENT IDENTIFIED. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 5 EXISTING MANUAL PULL STATION MOUNTED WITH BOTTOM AT 55" AFF. PROVIDE SURFACE WIREMOLD EXTENSION BOX, RACEWAY AND SURFACE MOUNT BOX TO LOWER PULL STATION TO ADA COMPLIANT HEIGHT - BOTTOM AT 44" AFF. PROVIDE NEW ADDRESSABLE MANUAL PULL STATION.
- 6 PROVIDE NOTIFICATION DEVICE EXTENDER POWER SUPPLY IF REQUIRED BY FIRE ALARM SYSTEM SUPPLIER. PROVIDE A NEW 20/1 CIRCUIT BREAKER IN EXISTING CUTLER HAMMER TYPE PRL1A PANELBOARD 'LB2' AND PROVIDE A DEDICATED CIRCUIT FROM EXTENDER POWER SUPPLY TO LB2-22.
- 7 NEW CONDUIT TO BE PAINTED TO MATCH EXISTING EXPOSED STRUCTURE CEILING COLOR. PROVIDE PAINT CHIP COLORS FOR REVIEW BY OWNER'S REPRESENTATIVE.
- 8 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.
- 9 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.
- 10 THIS AREA IS A GYMNASIUM THAT SPANS BOTH BOTH LEVELS. REFER TO SHEET E1.2 FOR ADDITIONAL WORK REQUIRED.



1 UPPER LEVEL AREA 'B' - FIRE ALARM PLAN
1/8" = 1'-0"



KEY PLAN

REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
 Armory Bldg. 4200, RJB Complex, Bismarck, ND
 Owner: The Adjutant General, State of ND

UPPER LEVEL - AREA 'B'



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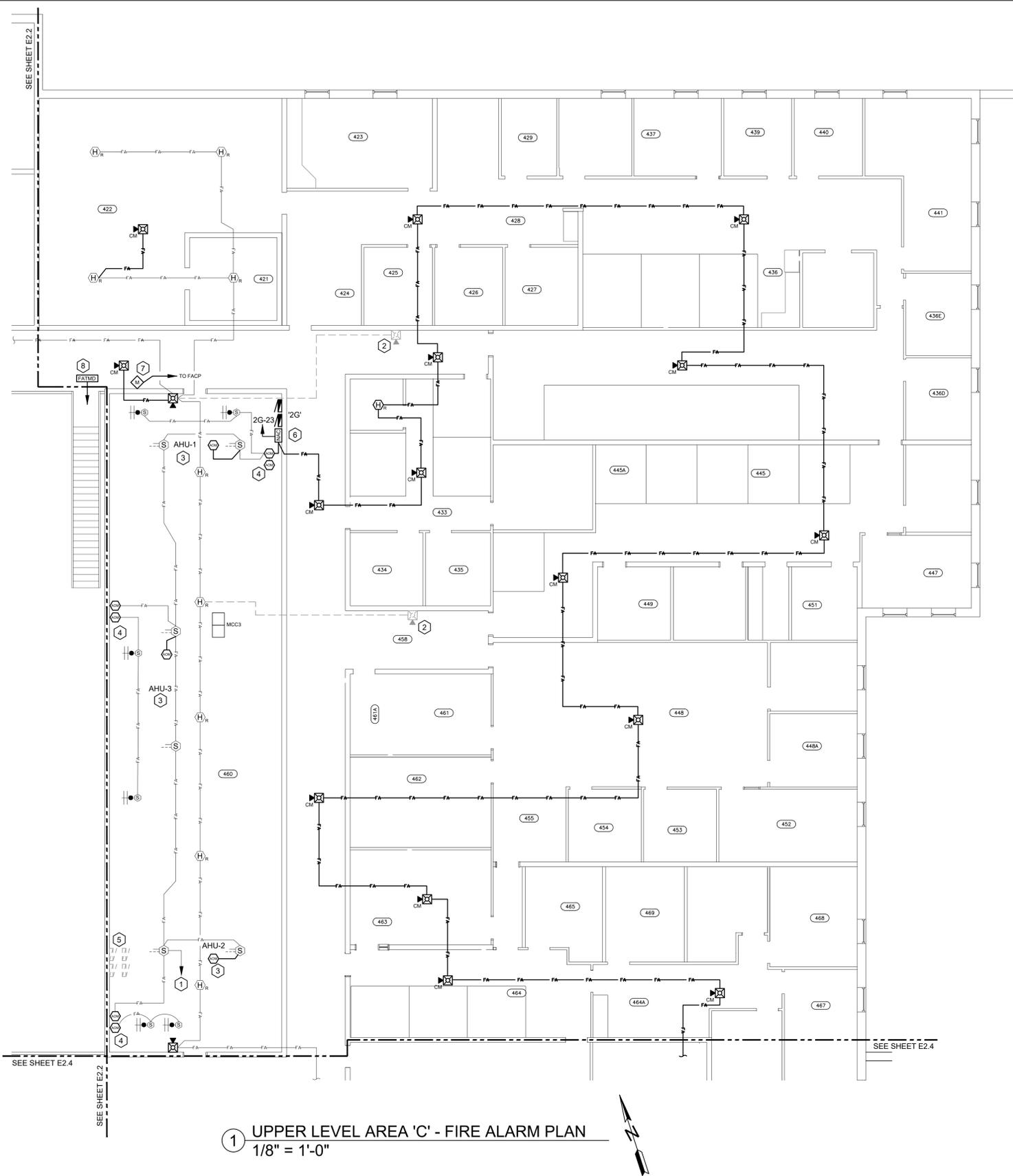
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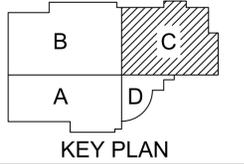
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SHEET INSTALLATION NOTES

- 1 ORIGINAL CONSTRUCTION DOCUMENTS INDICATE ZONE CIRCUIT HOMERUN BACK TO FIRE ALARM CONTROL PANEL FROM THIS LOCATION AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REMOVE EXISTING CIRCUITRY AND PROVIDE NEW CIRCUITRY AS REQUIRED FOR NEW ADDRESSABLE FIRE ALARM SYSTEM AND NOTIFICATION DEVICES.
- 2 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 3 REMOVE EXISTING DUCT DETECTORS AND EXISTING MECHANICAL SHUTDOWN RELAYS. PROVIDE NEW DUCT DETECTORS, NEW SAMPLING TUBES WITH LENGTH TO BE FIELD VERIFIED, ADDRESSABLE RELAY MODULES AND CONNECTIONS. MODIFY EXISTING DUCT INSULATION AS REQUIRED FOR INSTALLATION OF NEW DUCT DETECTOR. VERIFY PROPER SHUTDOWN SEQUENCE WITH BUILDING AUTOMATION SYSTEM INTEGRATOR.
- 4 PROVIDE ADDRESSABLE RELAY MODULE AND CONNECTIONS TO CONTROL EXISTING FIRE SMOKE DAMPER.
- 5 REMOVE THE FOUR EXISTING FIRE ALARM SYSTEM DIALERS FOR THE FOUR DIFFERENT BUILDINGS LOCATED ON THE COMPLEX THAT REPORT THRU THE FIRE PANEL. PROVIDE TWO NEW CATEGORY 6 CABLES FROM THIS LOCATION TO THE FIRE ALARM CONTROL PANEL. COORDINATE TERMINATION WITH OWNER'S IT STAFF.
- 6 PROVIDE NOTIFICATION DEVICE EXTENDER POWER SUPPLY IF REQUIRED BY FIRE ALARM SYSTEM SUPPLIER. PROVIDE A NEW 20/1 CIRCUIT BREAKER IN EXISTING CUTLER HAMMER TYPE NIP PANELBOARD 2G AND PROVIDE A DEDICATED CIRCUIT FROM EXTENDER POWER SUPPLY TO 2G-23.
- 7 SURFACE MOUNT MASS NOTIFICATION SYSTEM MICROPHONE WITH PRE-RECORDED MESSAGE ACTIVATION BUTTONS. FIELD VERIFY LOCATION.
- 8 PROVIDE TEXT MESSAGING DISPLAY AND CIRCUITRY AS REQUIRED. CEILING OR WALL MOUNTED AS DIRECTED BY THE ENGINEER IN THE FIELD.



1 UPPER LEVEL AREA 'C' - FIRE ALARM PLAN
1/8" = 1'-0"



KEY PLAN

REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
 Armory Bldg. 4200, RJB Complex, Bismarck, ND
 Owner: The Adjutant General, State of ND

 UPPER LEVEL - AREA 'C'



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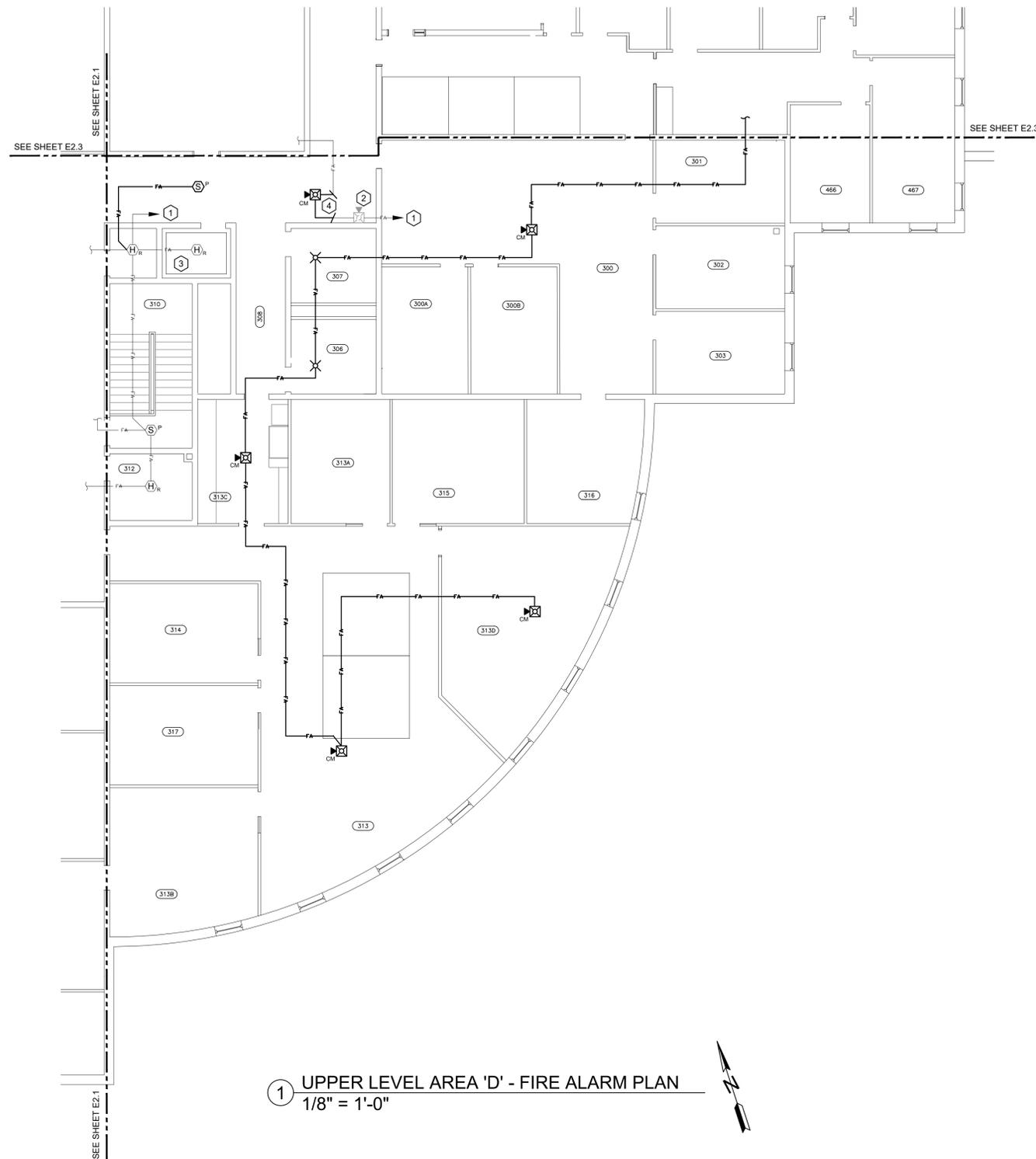
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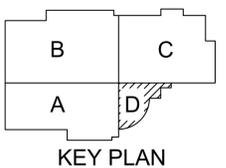
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SHEET INSTALLATION NOTES

- 1 ORIGINAL CONSTRUCTION DOCUMENTS INDICATE ZONE CIRCUIT HOMERUN BACK TO FIRE ALARM CONTROL PANEL FROM THIS LOCATION AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REMOVE EXISTING CIRCUITRY AND PROVIDE NEW CIRCUITRY AS REQUIRED FOR NEW ADDRESSABLE FIRE ALARM SYSTEM AND NOTIFICATION DEVICES.
- 2 REMOVE EXISTING WALL MOUNTED HORN STROBE RECESSED IN BLOCK WALL. PROVIDE CUSTOM STAINLESS STEEL BLANK PLATE. MODIFY EXISTING RACEWAY SYSTEM AS REQUIRED AND PROVIDE NEW JUNCTION BOX ABOVE CEILING IF REQUIRED. REFER TO SHEET E0.1, DETAIL 1 FOR PLATE REQUIREMENTS.
- 3 VERIFY INSTALLATION LOCATION OF HEAT DETECTOR AT TOP OF ELEVATOR SHAFT AND PROVIDE NEW ADDRESSABLE HEAT DETECTOR ADJACENT TO EXISTING FIRE SUPPRESSION SYSTEM HEAD. DETECTOR TO HAVE A LOWER INITIATING TEMPERATURE THAN THE FIRE SUPPRESSION SYSTEM. COORDINATE WORK WITH ELEVATOR EQUIPMENT SUPPLIER. ALL COSTS ASSOCIATED WITH ELEVATOR EQUIPMENT SUPPLIER SHALL BE INCLUDED IN THE BID AMOUNT.
- 4 FIELD VERIFY EXISTING CIRCUITRY ROUTING. INTERCEPT AND MODIFY EXISTING CIRCUITRY AS REQUIRED TO RECONFIGURE NEW LAYOUT. TYPICAL.



1 UPPER LEVEL AREA 'D' - FIRE ALARM PLAN
1/8" = 1'-0"



REVISIONS		
Issue #	Description	Date



FIRE ALARM SYSTEM REPLACEMENT
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