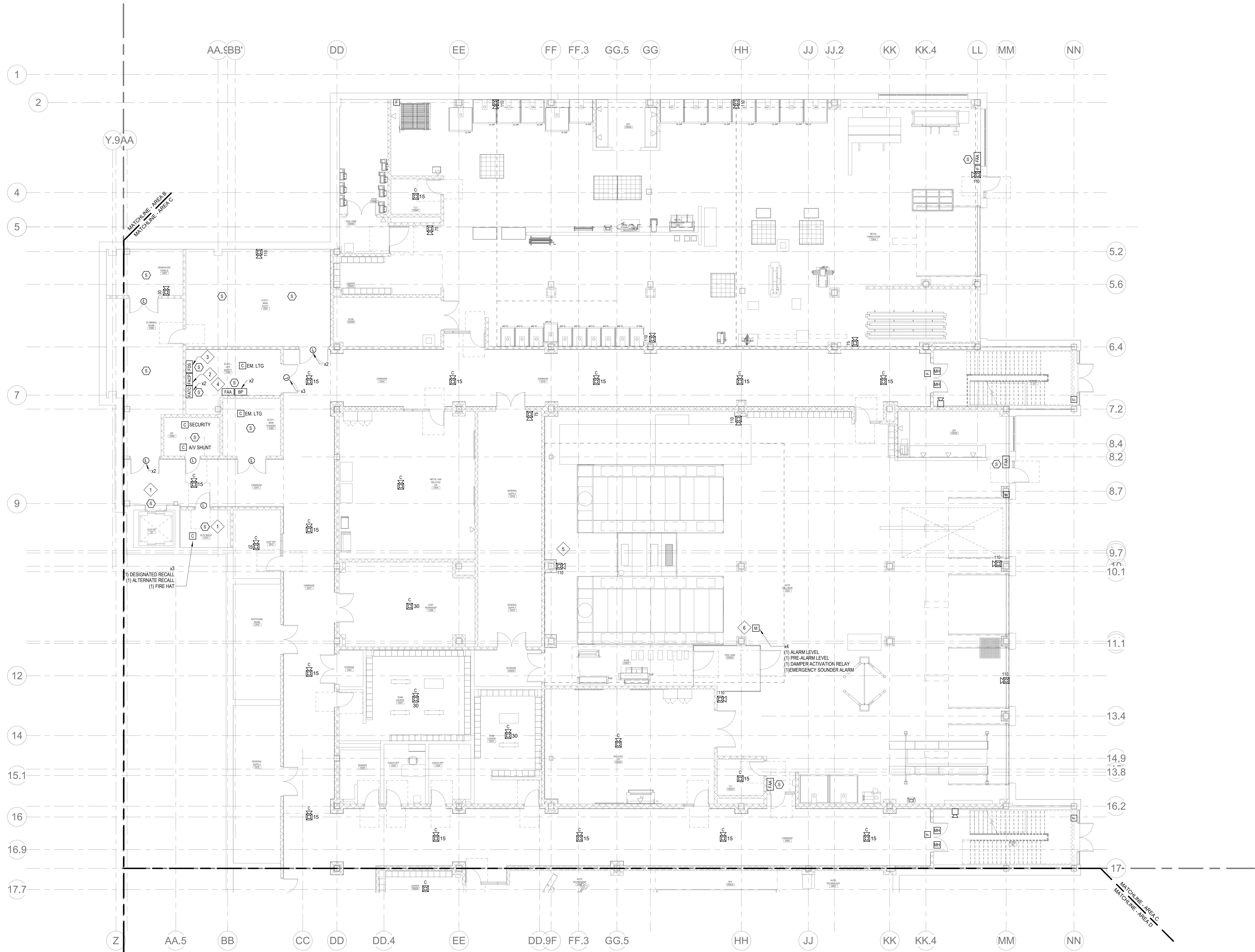


FA0-1



2 FIRE ALARM LOWER LEVEL FLOOR PLAN - AREA C
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK. APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/RAC DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/FIRE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STAMPER/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

1. PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECALL.
2. PROVIDE A NEW ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL UNIT IN THE FA ROOM. AN ANNUNCIATOR FOR THE FIRE ALARM CONTROL PANEL SHALL BE INSTALLED AT THE MAIN ENTRANCE VESTIBULE, MAIN OFFICE, AND SHOP AREAS.
3. PROVIDE A FIRE ALARM DRILL SWITCH TO ACTUATE A FIRE DRILL.
4. PROVIDE A REMOTE ANNUNCIATOR FOR THE BI-DIRECTIONAL AMPLIFICATION SYSTEM.
5. PROVIDE AN EXPLOSION PROOF COMBINATION SPEAKER/STROBE.
6. PROVIDE MONITOR RELAY MODULES TO MONITOR THE INPUTS OF THE VENTILATION CONTROL PANEL.

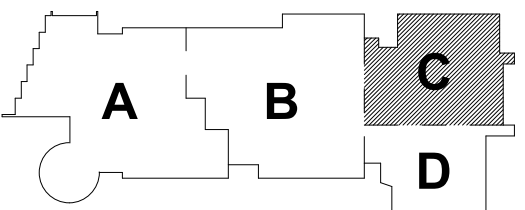
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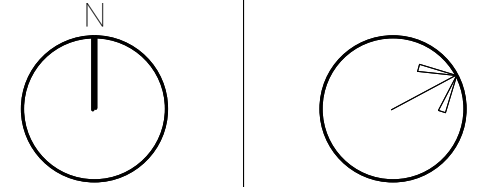
MSBA 60% CD
SUBMISSION

January 13, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



FIRE ALARM
LOWER LEVEL
FLOOR PLAN -
AREA C

Scale: 1/8" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: January 13, 2023

FA1-1-0C

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MECHANICAL | ELECTRICAL | PLUMBING | FIRE PROTECTION
STRUCTURAL | TECHNOLOGY | CONSTRUCTION

January 13, 2023



PROJECT NORTH	MAGNETIC NORTH
100°	100°
110°	110°
120°	120°
130°	130°
140°	140°
150°	150°
160°	160°
170°	170°
180°	180°
190°	190°
200°	200°
210°	210°
220°	220°
230°	230°
240°	240°
250°	250°
260°	260°
270°	270°
280°	280°
290°	290°
300°	300°
310°	310°
320°	320°
330°	330°
340°	340°
350°	350°
360°	360°

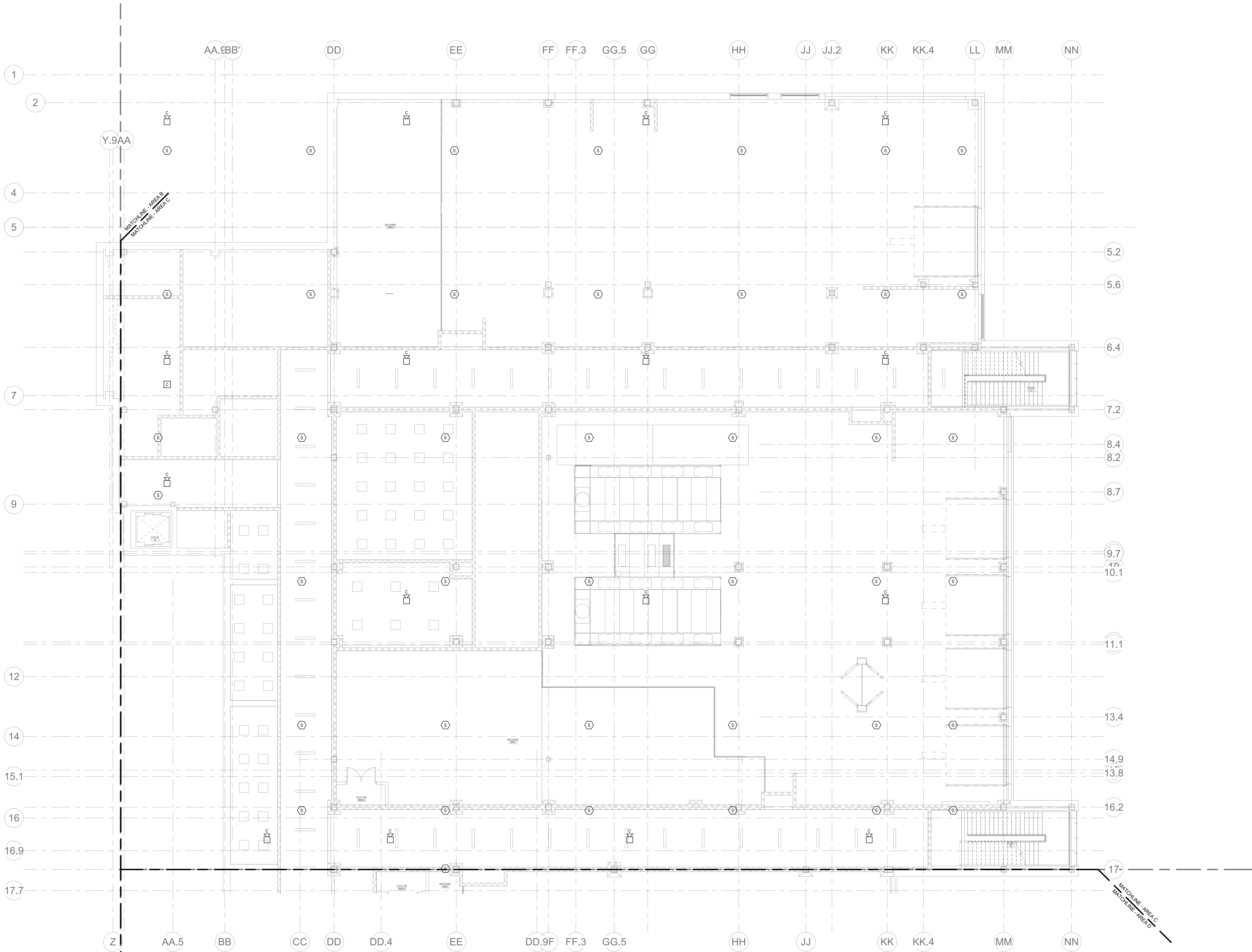


Scale: 1/8" = 1'-0"
 Drawing No.: 20202
 Drawn By: DRA
 Date: January 13, 2023

FA1-1-01

Drawn By: DRA **FA1-1-0D**

Revised: January 13, 2023



2 FIRE ALARM LOWER LEVEL MEZZANINE PLAN - AREA C
KAT-1-MC 1/8" = 1'-0"

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/PAV. DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS (OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS).
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.



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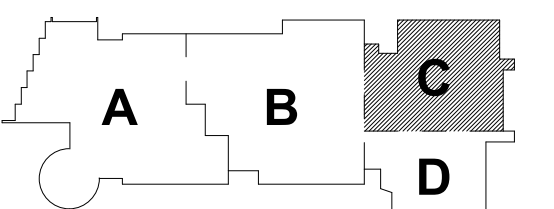
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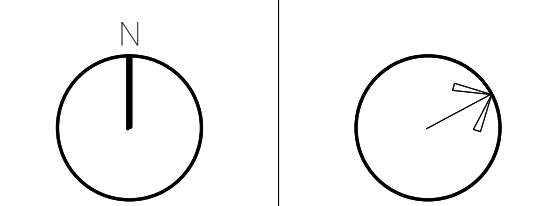
MSBA 60% CD
SUBMISSION

January 13, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



FIRE ALARM
LOWER LEVEL
MEZZANINE
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-1-MC

<p>1. PROVIDE A FULLY OPERATIONAL, TEMPORARY FIRE ALARM SYSTEM DURING WORK. 7. APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM TESTING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUIREMENTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.</p>	<p>PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/REVISED DEVICES.</p>
<p>2. COORDINATE LOCATION OF FIRE ALARMS APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, OUTDOOR KITCHENS, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.</p>	<p>8. PROVIDE TEMPORARY DET DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.</p>
<p>3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL, REFLECTED CEILING PLAN AND ELEVATION VIEWS.</p>	<p>9. PROVIDE NEW ANY DEVICES WITH INTEGRAL, SYNCHRONIZATION CAPABILITIES AND PROVIDE SYNCHRONIZATION MODES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.</p>
<p>4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER-FLOW SWITCHES AND WATER TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.</p>	<p>10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.</p>
<p>5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.</p>	<p>11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.</p>
<p>6. PROVIDE REWIRE, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTIONS, AND COMP. ETC. CONNECTIONS REQUIRED FOR UNLESS FIRE ALARM BRANCH CIRCUITS (FROM DEVICES) TO FIRE ALARM TERMINAL CABINET(S) OR FIRE CONTROL PANEL(S) AND COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.</p>	<p>12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.</p>
<p>7. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.</p>	<p>13. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AIR AND SOUND EQUIPMENT.</p>
<p>8. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AIR AND SOUND EQUIPMENT.</p>	<p>14. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.</p>
<p>9. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.</p>	<p>15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.</p>
<p>10. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.</p>	<p>16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL, VALVE SERVING THE COMBINATION STANDBY-SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.</p>
<p>11. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL, VALVE SERVING THE COMBINATION STANDBY-SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.</p>	<p>17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE SERVING THE COMBINATION STANDBY-SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.</p>

- 1 MONITOR THE CONTACTS OF THE ANSL SYSTEM PROVIDED BY OTHERS.
- 2 PROVIDE A WEATHERPROOF SPEAKER/STROBE.
- 3 MONITOR THE CONTACTS OF THE TWO WAY FIRE DEPARTMENT COMMUNICATION SYSTEM
- 4 PROVIDE WEATHER PROOF DEVICE NOTE.
- 5 PROVIDE MONITOR RELAY MODULES TO MONITOR THE INPUTS OF THE HOOD GAS SHUT OFF SYSTEM.

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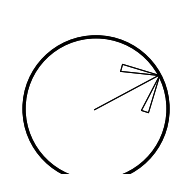


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January 13, 2023



MAGNETIC NORTH



FA1-1-1A



- GENERAL FIRE ALARM NOTES:**
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
 6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
 7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
 8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
 9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
 10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
 11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
 12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
 13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
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 17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

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January 13, 2023

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

FIRE ALARM
FIRST FLOOR
PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-1-1B

DRA

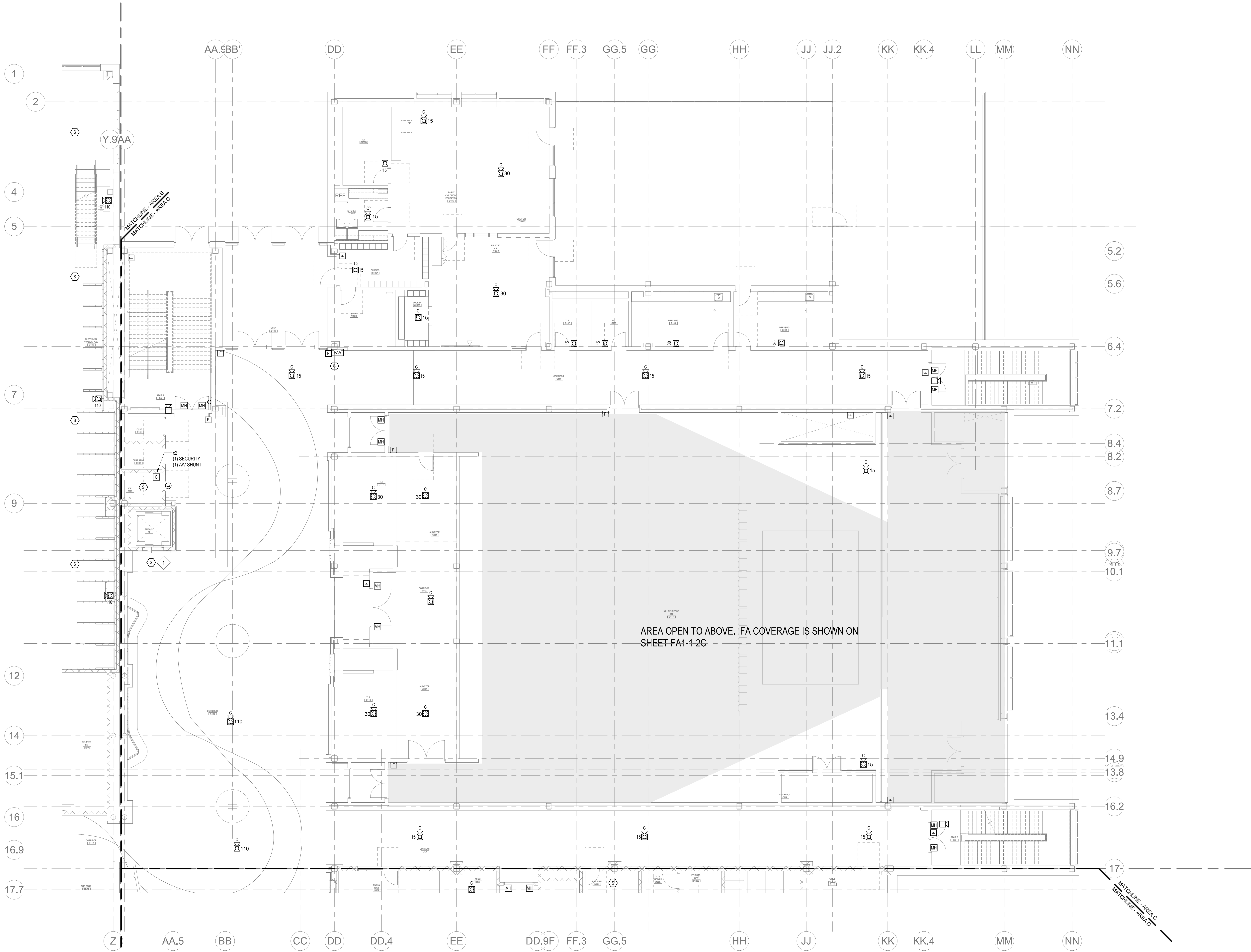
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- GENERAL FIRE ALARM NOTES:
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 4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL HVAC DRAWINGS.
 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
 6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
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 12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
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 15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
 16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION ST AND PIPE SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
 17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

- FIRE ALARM KEYNOTES:
1. PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECALL.

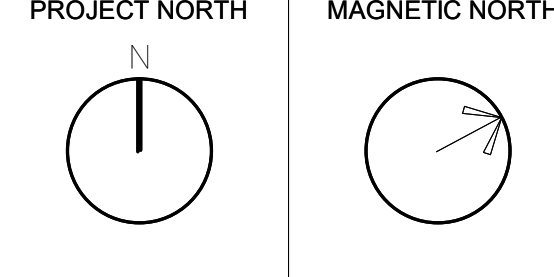
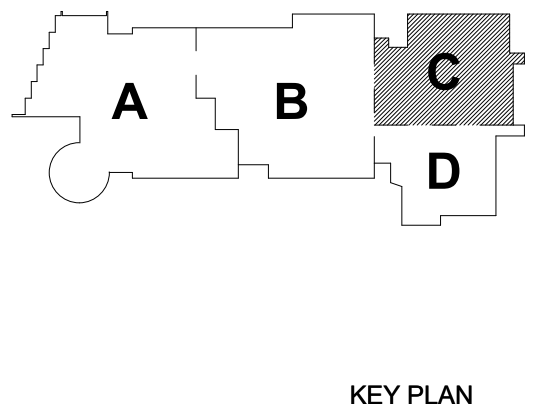


1 FIRE ALARM FIRST FLOOR PLAN - AREA C
18" = 1'-0"

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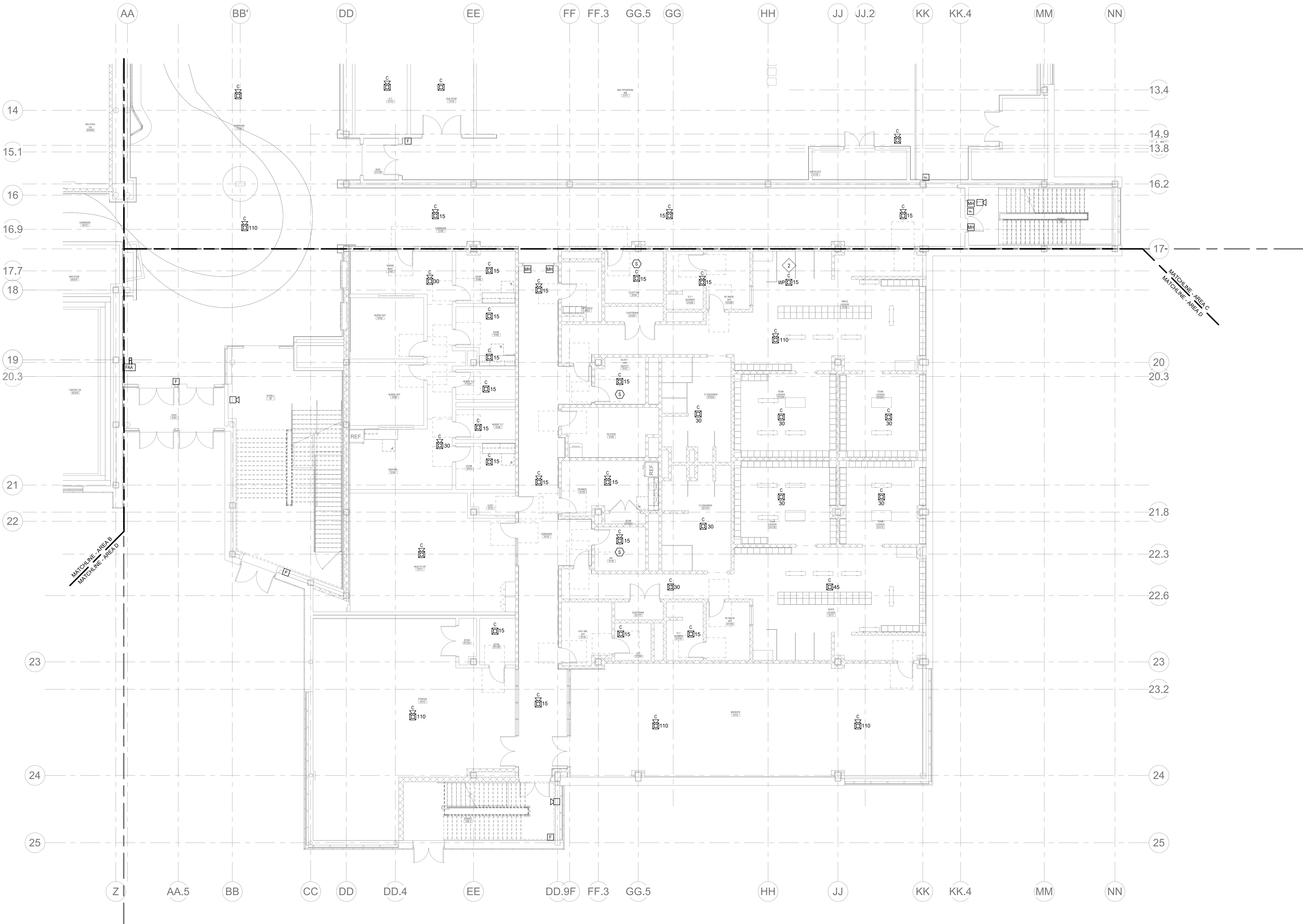
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January 13, 2023



FIRE ALARM
FIRST FLOOR
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023
FA1-1-1C



1 FIRE ALARM FIRST FLOOR PLAN - AREA D
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK. APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER FOR FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NONWAGED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

KEYNOTES:

- 1 PROVIDE SMOKE DETECTOR TO INITIATE ELEVATOR RECALL.
- 2 PROVIDE WEATHER PROOF DEVICE NOTE.

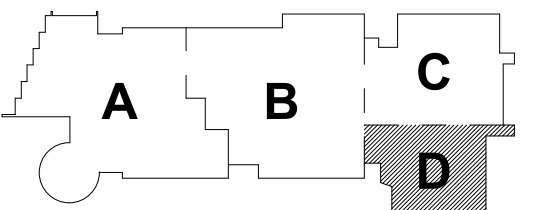
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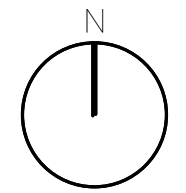
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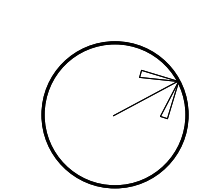


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FIRE ALARM
FIRST FLOOR
PLAN - AREA D

Scale: 1/8" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: January 13, 2023

FA1-1-1D

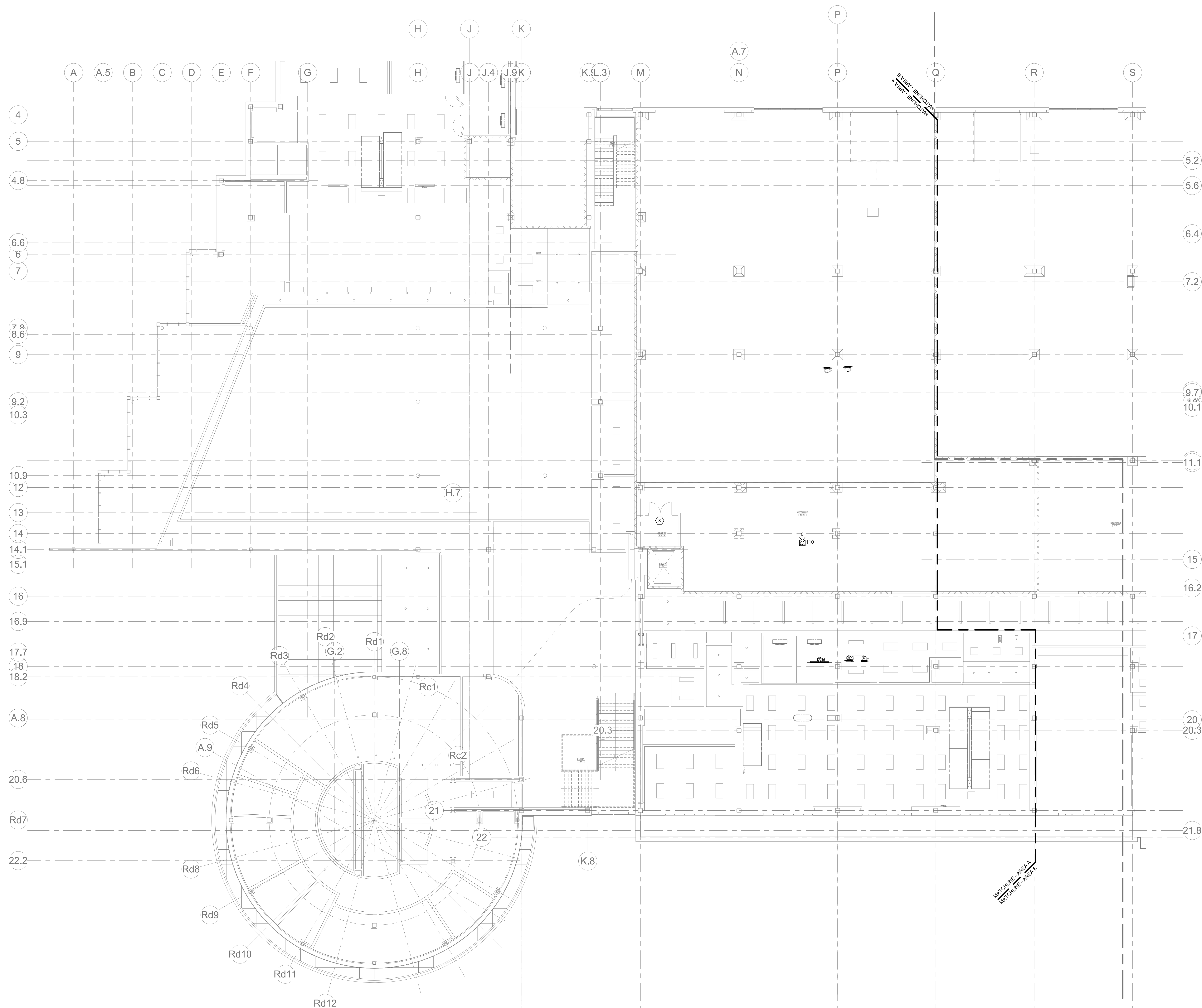
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- ## GENERAL FIRE ALARM NOTES:
1. PROVIDE A FULLY OPERATIONAL, TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUIREMENTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN PROVIDED FOR OPERATION.
 2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
 3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL, REFLECTED PLANT AND ELEVATION VIEWS.
 4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT AND EXHAUSTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPERS SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
 6. PROVIDE RACEWAY, CONDUIT/CABLE AND CABLE ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS/TO THE MANUFACTURER, PANEL OF FIRE COMMAND CENTER/FIRE ALARM PROGRAM MANUFACTURER REQUIREMENTS.
 7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NOTIFIED DEVICES.
 8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
 9. PROVIDE NEW ALARMS/DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
 10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
 11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE CONDITIONS.
 12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
 13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRIES TO FULL BRIGHTNESS UPON ALARM.
 14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AIR AND/OR SOUND EQUIPMENT.
 15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
 16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDARD/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
 17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ISSUARY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.



2 FIRE ALARM FIRST FLOOR MEZZANINE PLAN - AREA A
RA1-1-1MA 1" = 10'-0"

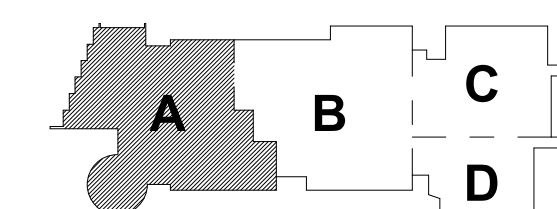
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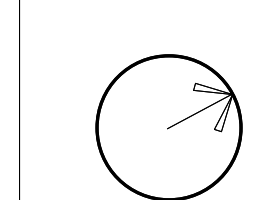
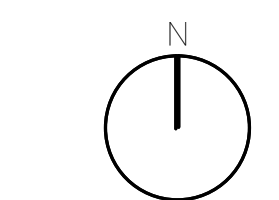
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**FIRE ALARM
FIRST FLOOR
MEZZANINE
PLAN - AREA A**

Scale: 1" = 10'-0"

Job No. : 20202

D D D

Drawn By: DR

Date: January 13, 20

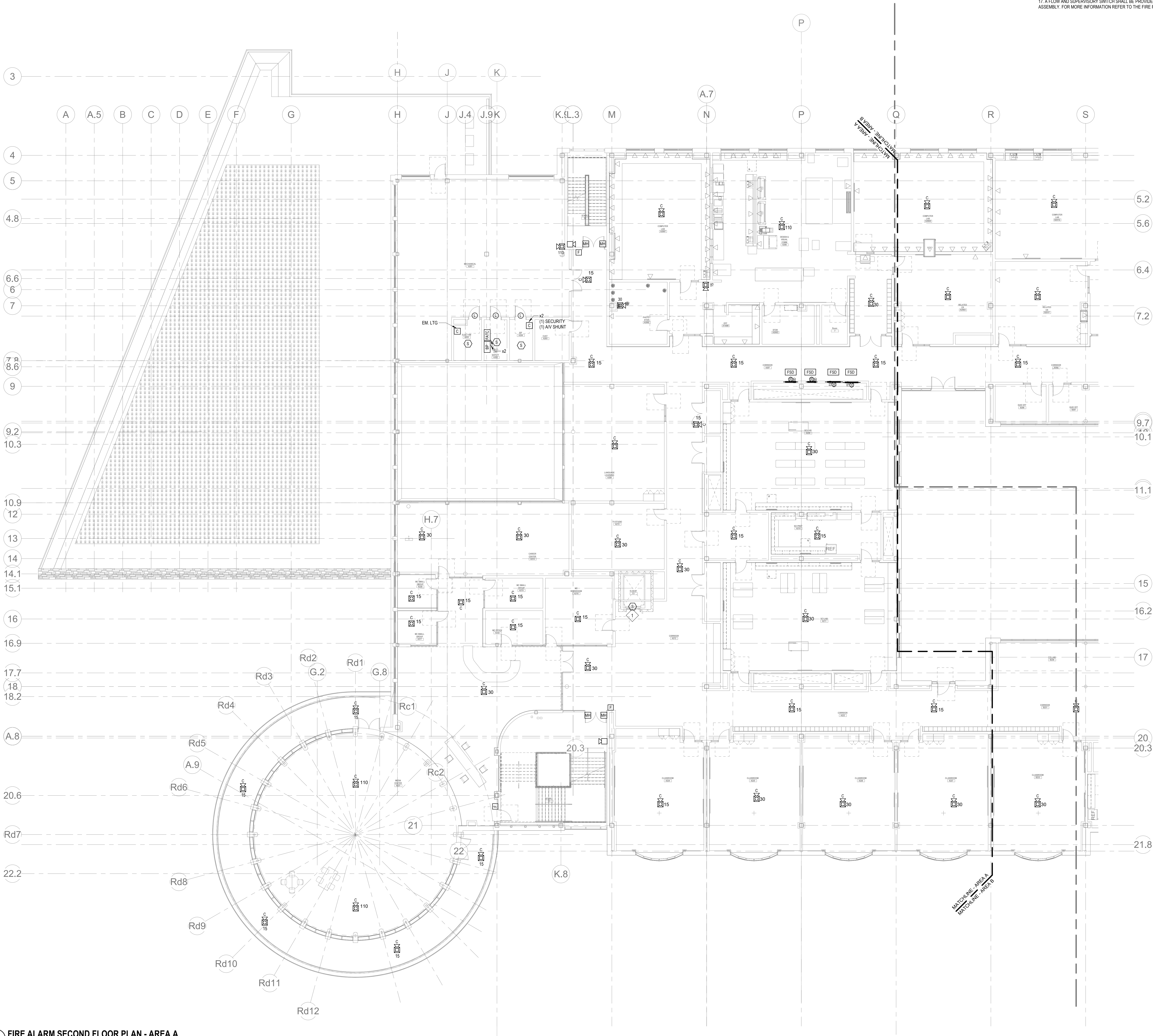
FA1-1-1MA

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK. APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL, REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/FIRE PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

1. PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECALL.



1 FIRE ALARM SECOND FLOOR PLAN - AREA A
FA1-1-2A 1" = 10'-0"

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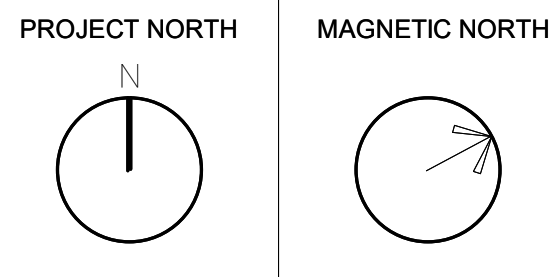
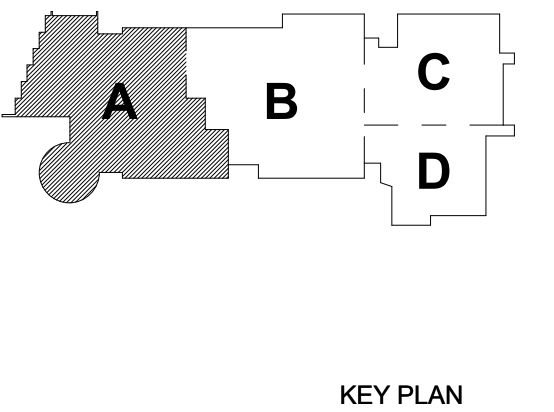
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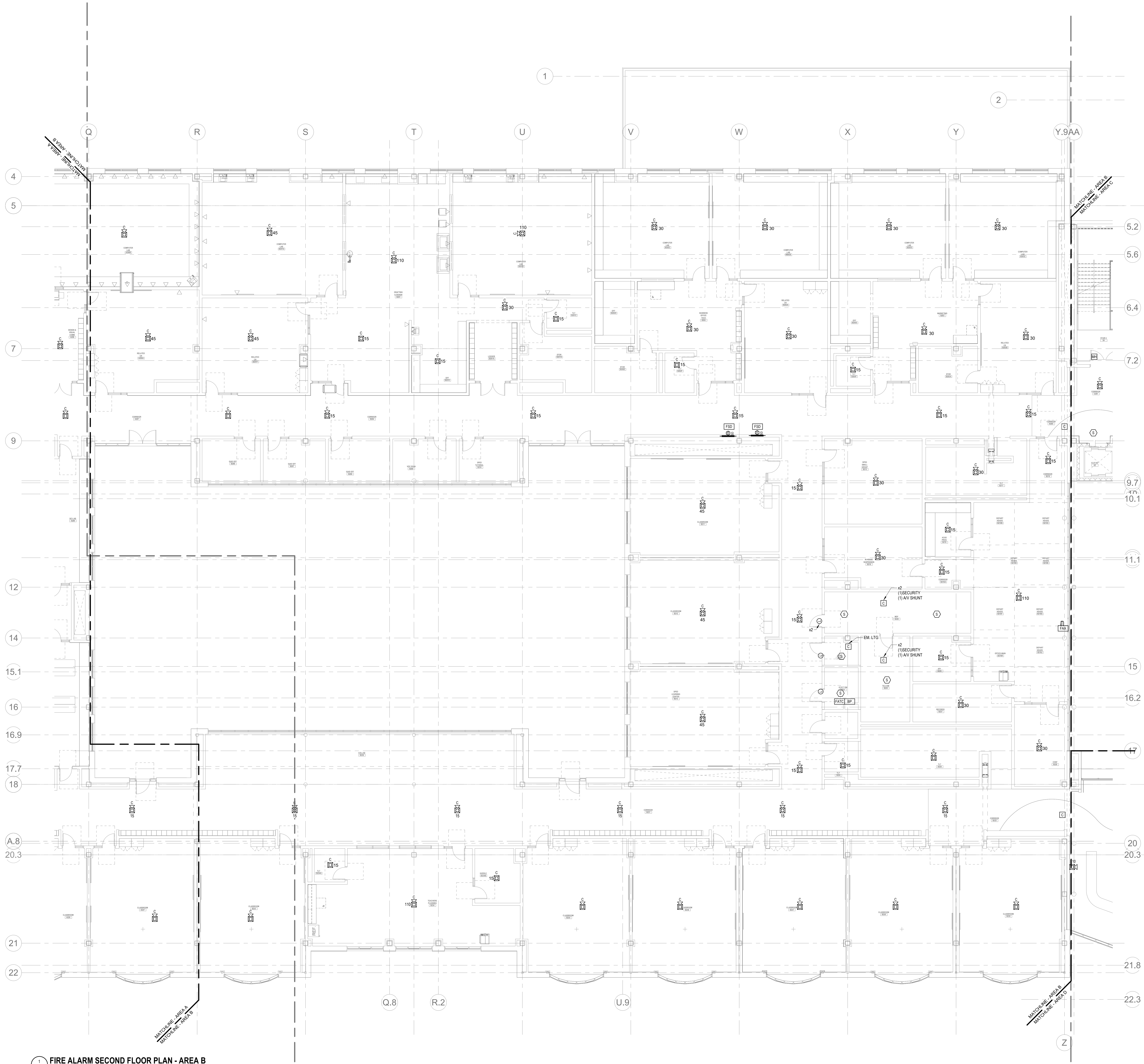
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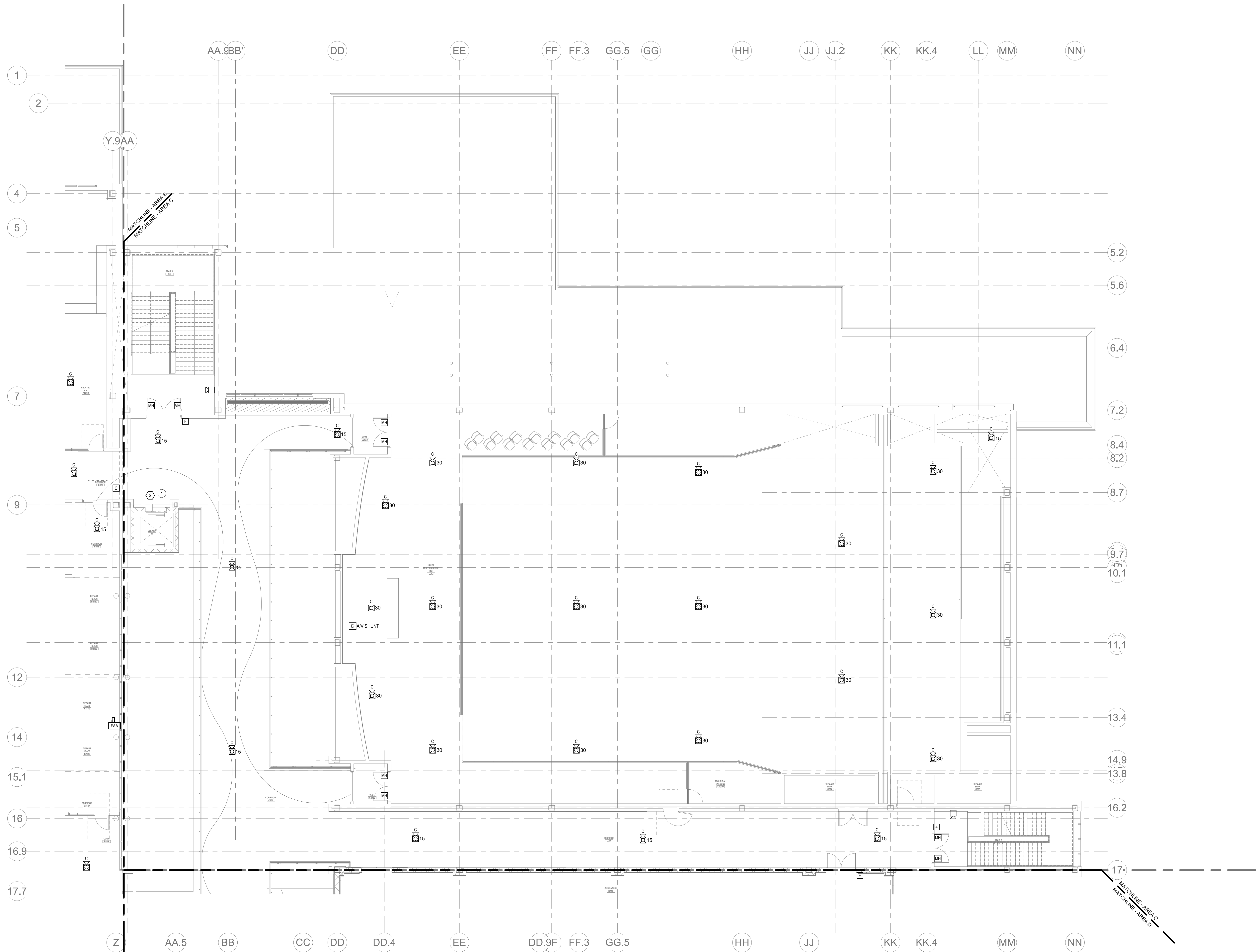


FIRE ALARM
SECOND FLOOR
PLAN - AREA A

Scale: 1" = 10'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023
FA1-1-2A



- GENERAL FIRE ALARM NOTES:**
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
 2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
 3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
 4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/MEV DRAWINGS.
 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
 6. PROVIDE RACEWAY, CONDUCTORS AND CABLE ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS (OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS).
 7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
 8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
 9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
 10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
 11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
 12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
 13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
 14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
 15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
 16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
 17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.



1 FIRE ALARM SECOND FLOOR PLAN - AREA C
FA1-1-2C
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/MEG DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/FIRE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STAMPER-SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

- 1 PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECALL.



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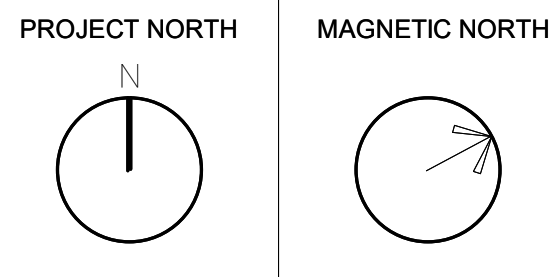
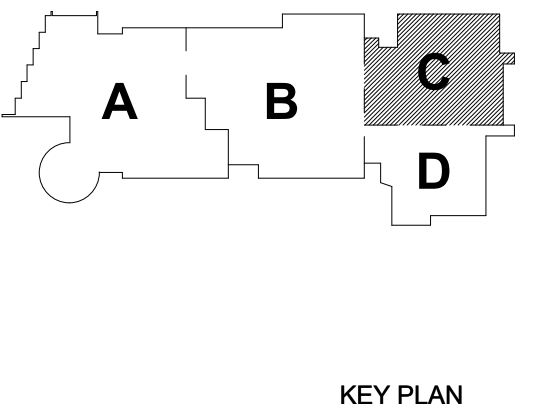
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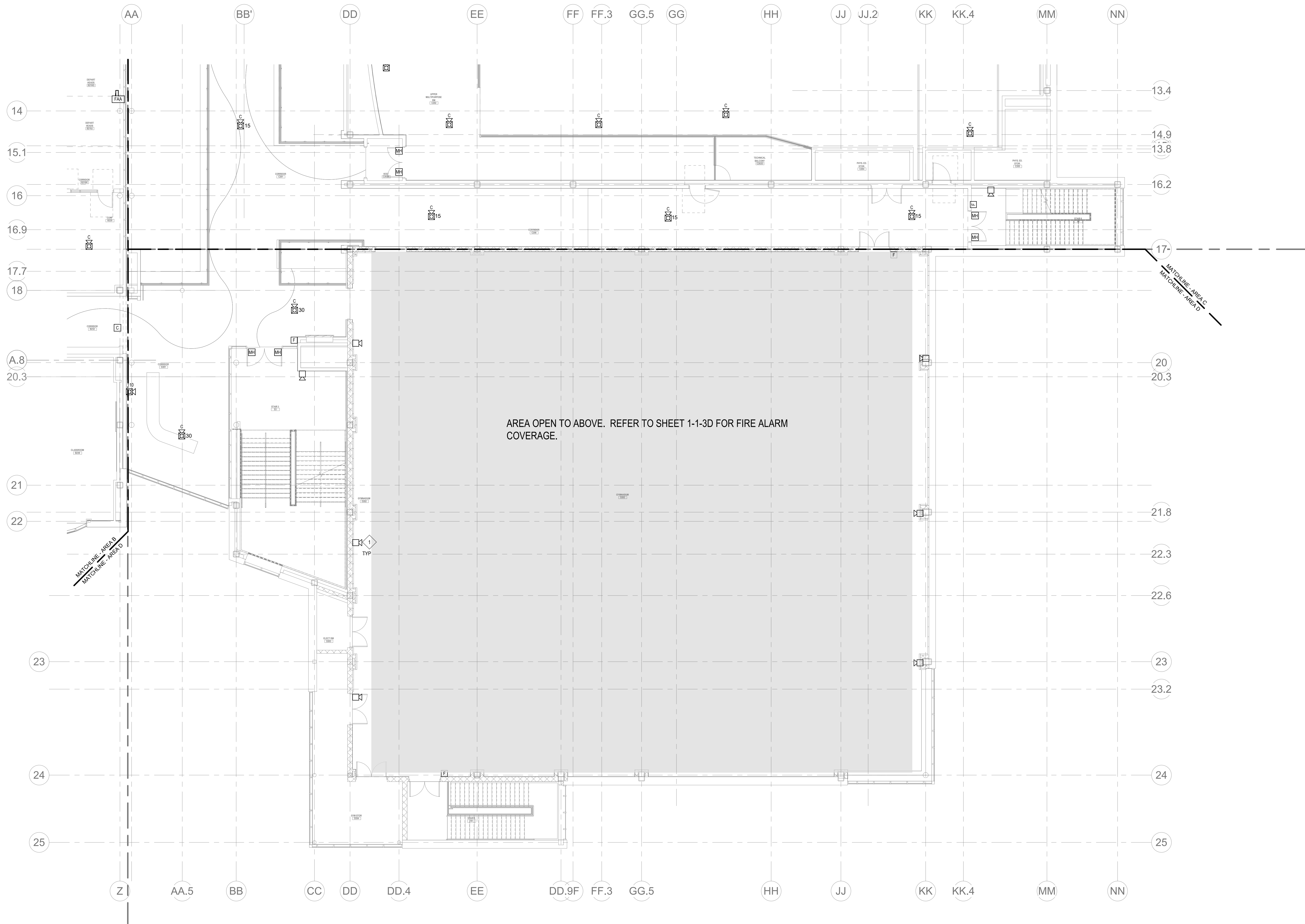


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SUBMISSION
January 13, 2023



FIRE ALARM
SECOND FLOOR
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 2002
Drawn By: DRA
Date: January 13, 2023
FA1-1-2C



GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/PLUMBING DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS (OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS).
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADOPTED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AN DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AN AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

1. PROVIDE TCPA-10 SINGLE COIL HYPERSPIKE MEDIUM POWERED SIGNALING AND NOTIFICATION SPEAKER. COORDINATE WITH MANUFACTURER'S HYPERSPIKE. CONTRACTOR SHALL COORDINATE THE MOUNTING HEIGHTS OF THE HYPERSPIKE SPEAKER WITH THE ARCHITECT.

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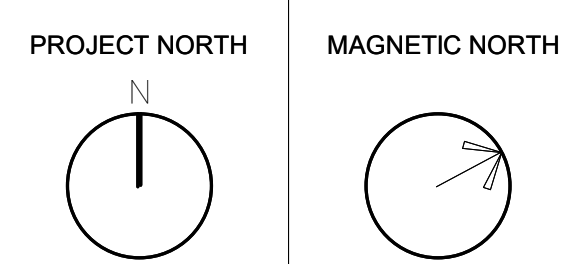
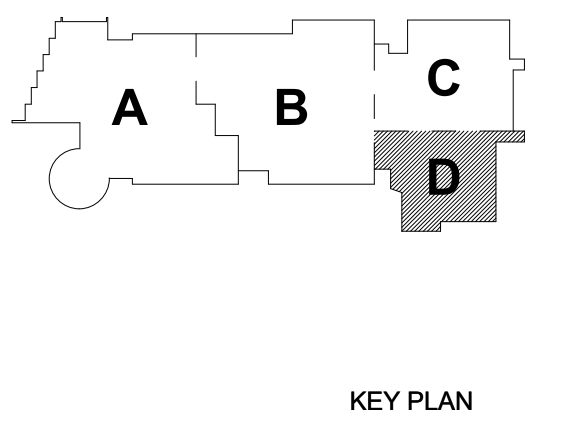
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SUBMISSION

January 13, 2023



**FIRE ALARM
SECOND FLOOR
PLAN - AREA D**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-1-2D

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FIRE ALARM KEYNOTES

- ① PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECAL.

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING TO ALL AGENCIES ACCORDING TO LOCAL FIRE DEPARTMENT REQUIREMENTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM. DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL CONSTRUCTION.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAIN FROM THE ARCHITECTURAL, REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTOR WATER FLOW SWITCHES AND VALVE TAMPON SWITCHES, REFER TO FIRE PROTECTION, ELECTRICAL AND MECHANICAL DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM SYSTEMS. PROVIDE FIRE ALARM DEVICES TO FIRE ALARM TRENCH, CABINETS OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT SYNCHRONIZATION MODULES AS REQUIRED BY LOCAL FIRE DEPARTMENT.
8. PROVIDE TEMPORARY HORN DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW KEY DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR SUPPORT SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRE-TESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL A/V AND SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM FOR MORE INFORMATION REFER TO FIRE PROTECTION DRAWING.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

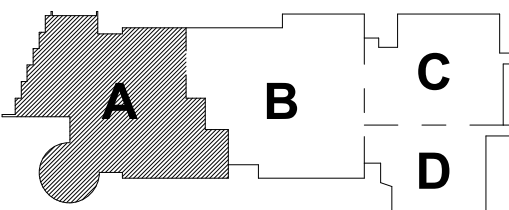


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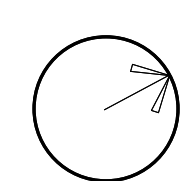
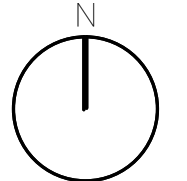
January 13, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**FIRE ALARM
THIRD FLOOR
PLAN - AREA A**

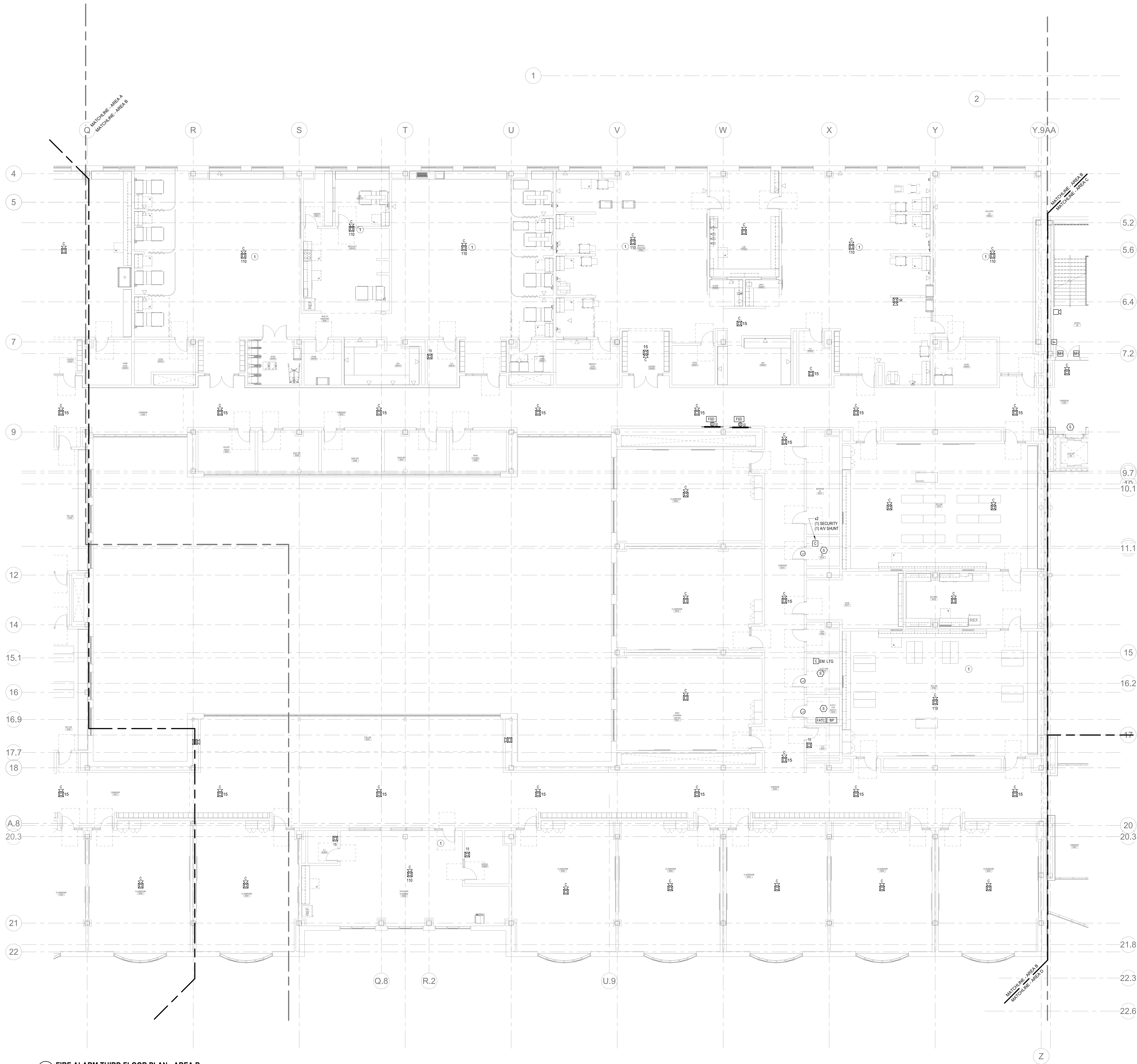
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Job No. : 20202

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Date: January 13, 20

FA1-1-3A



- GENERAL FIRE ALARM NOTES:**
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
 2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
 3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL, REFLECTED CEILING PLAN AND ELEVATION VIEWS.
 4. FOR EXACT LOCATIONS OF SMOKE/HEAT DAMPERS, DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
 6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
 7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
 8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
 9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
 10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
 11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
 12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
 13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
 14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
 15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
 16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
 17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

① CONTRACTOR SHALL PROVIDE CEILING MOUNTED NOTIFICATION APPLIANCES AT A RECESSED HEIGHT PARALLEL TO THE BOTTOM OF THE FLOATING CEILING. COORDINATE WITH ARCHITECT ABOUT THE FINAL MOUNTING HEIGHT.

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January 13, 2023

KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

FIRE ALARM
THIRD FLOOR
PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-1-3B

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06074	02453

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Wakefield, MA 01880

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.

4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.

5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS

6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICE(S) TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.

7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.

8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.

9. PROVIDE NEW A/V DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.

10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.

11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.

12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.

13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.

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16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION

17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

- ① PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECALL



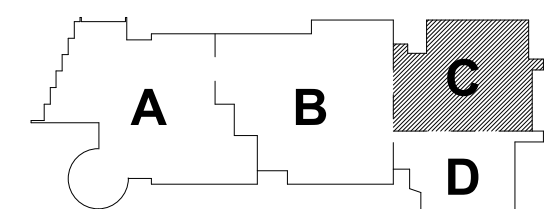
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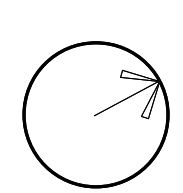
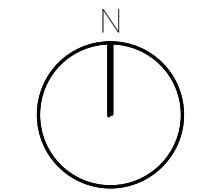
January 13, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**FIRE ALARM
THIRD FLOOR
PLAN - AREA C**

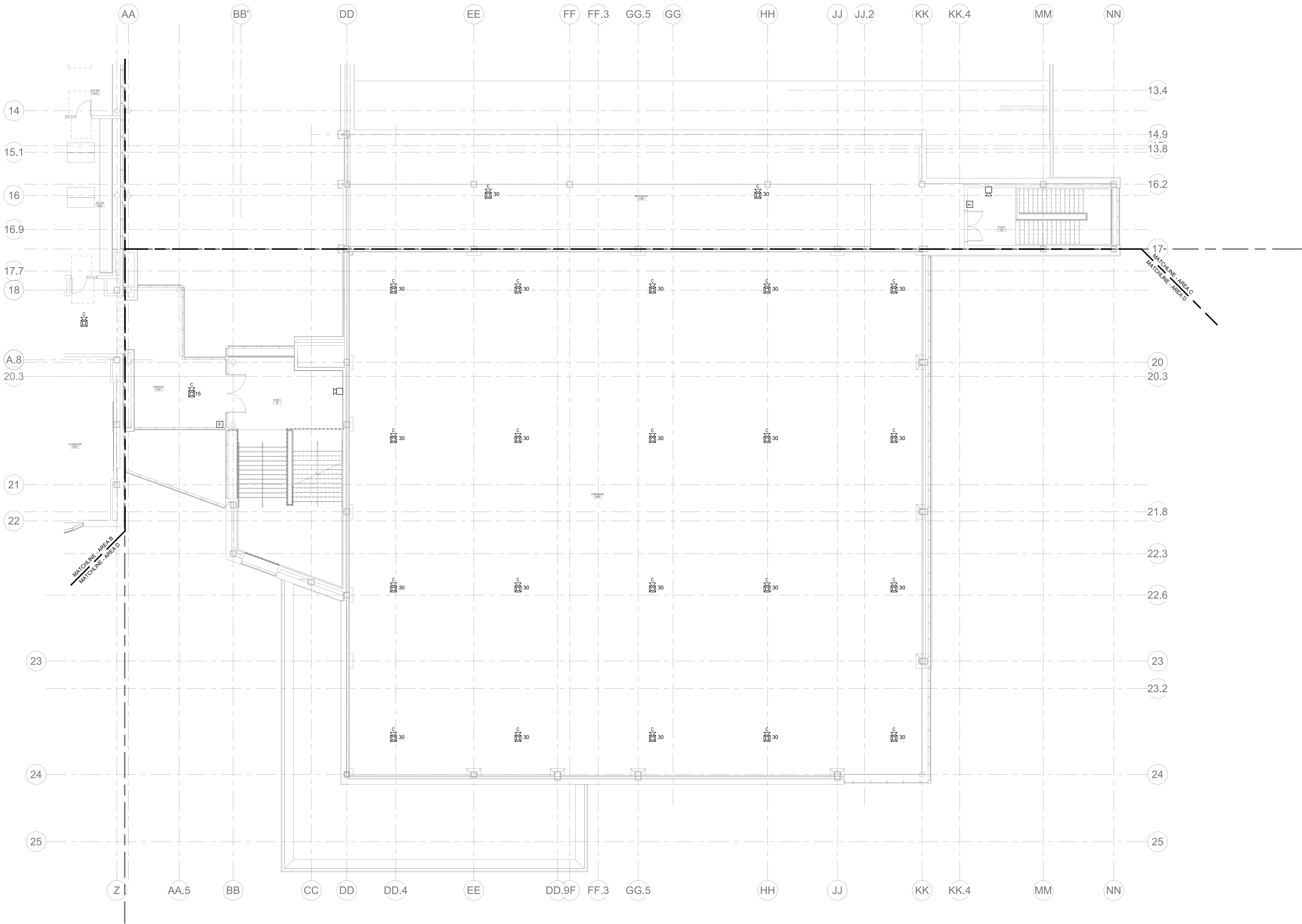
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Job No.: 20202

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Drawn By: DR.

FA1-1-3C



GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL, TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
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17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

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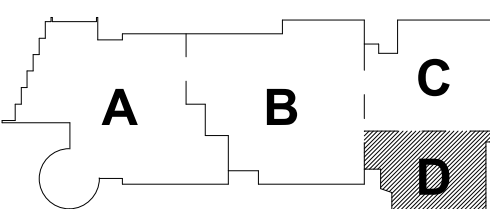
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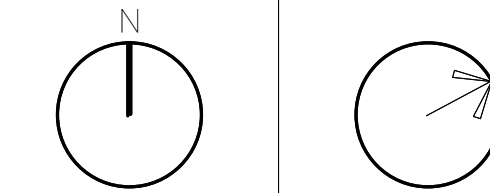
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SUBMISSION

January 13, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**FIRE ALARM
THIRD FLOOR
PLAN - AREA D**

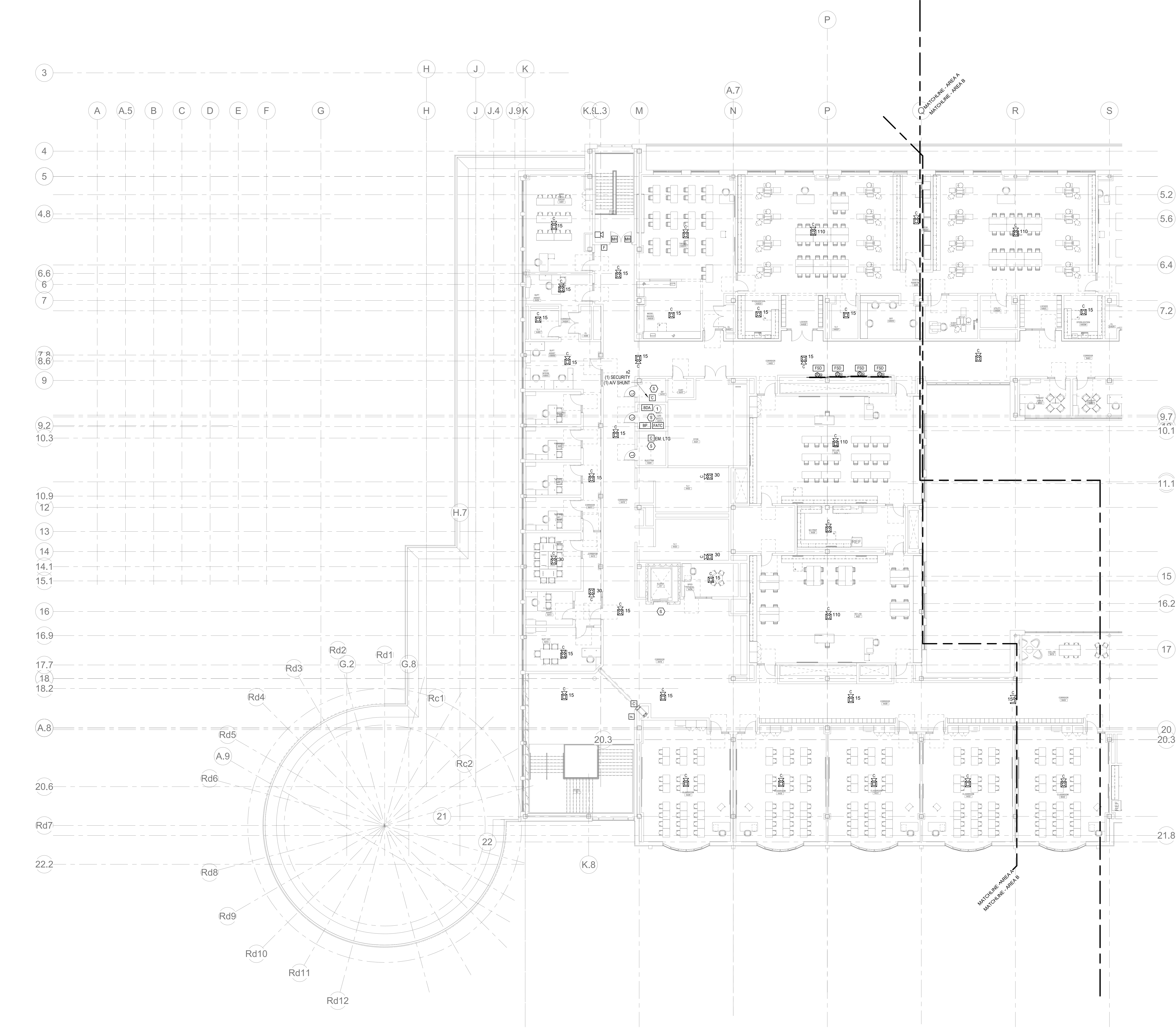
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Job No.: 20202

Drawn By: DRA

Date: January 13, 2023

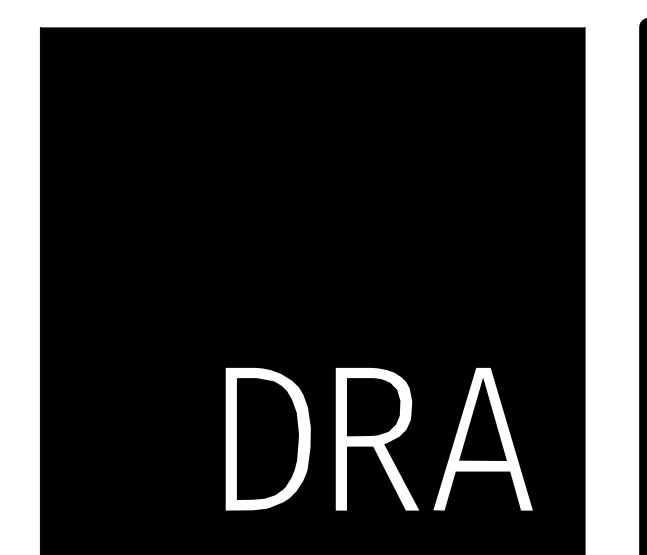
FA1-1-3D



1 FIRE ALARM FOURTH FLOOR PLAN - AREA A
AS1-40 1" = 10'-0"

FIRE ALARM KEYNOTES:
1. PROVIDE A BIDIRECTIONAL AMPLIFIER PANEL FOR POLICE AND FIRE DEPARTMENT RADIO COMMUNICATION.

GENERAL FIRE ALARM NOTES:
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NONWIREDEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW A/V DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
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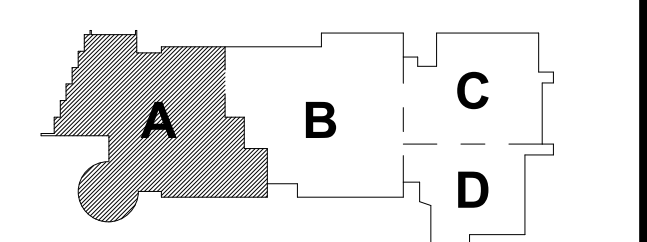
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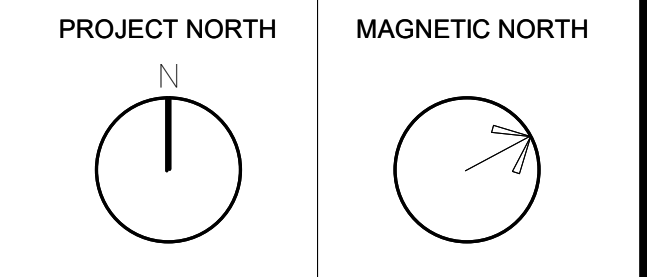
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January 13, 2023

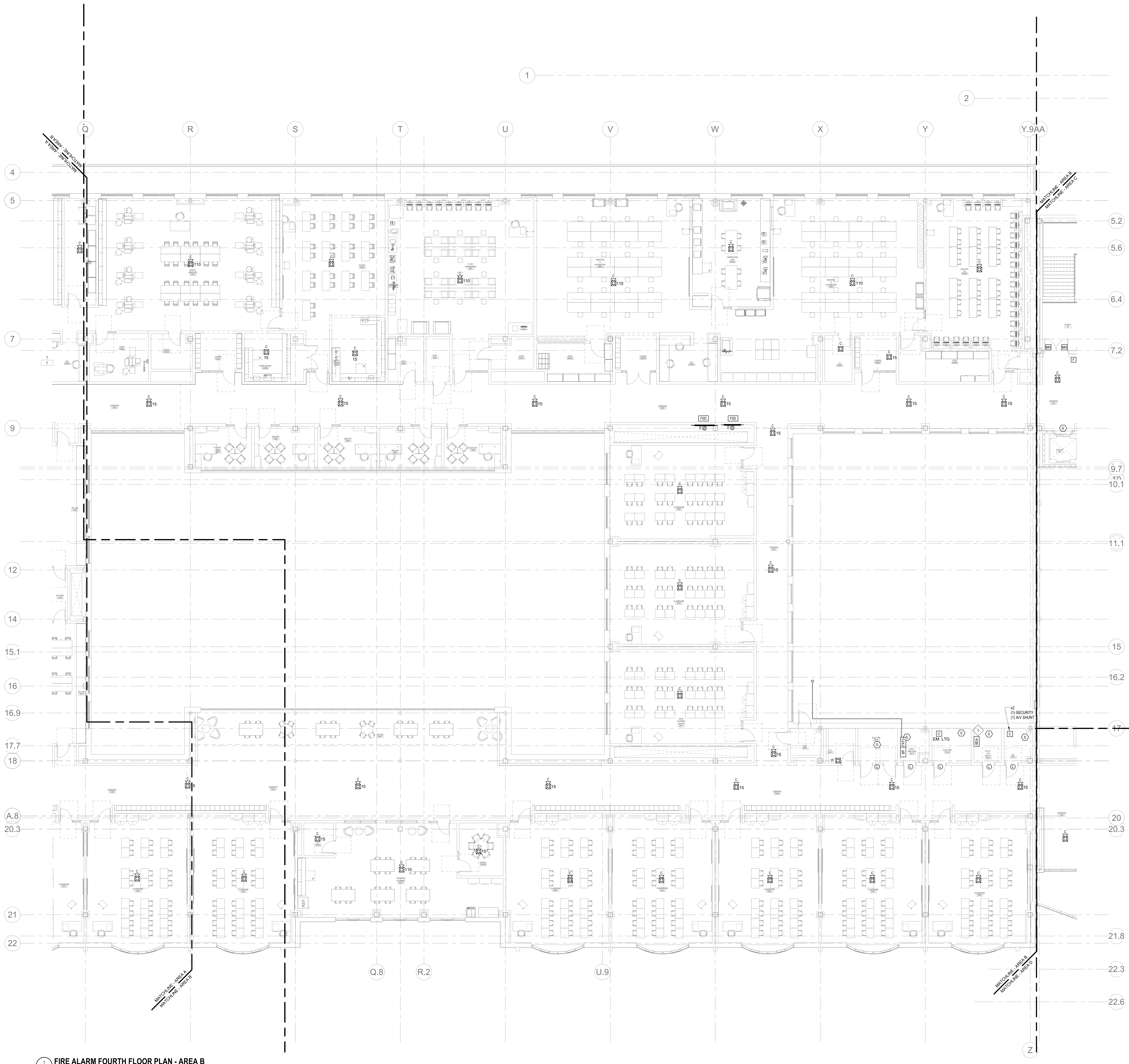


KEY PLAN



FIRE ALARM
FOURTH FLOOR
PLAN - AREA A

Scale: 1" = 10'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023
FA1-1-4A



FIRE ALARM FOURTH FLOOR PLAN - AREA B
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEWWORK DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTERNAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPIRALLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

FIRE ALARM KEYNOTES:

1. PROVIDE A BIDIRECTIONAL AMPLIFIER PANEL FOR POLICE AND FIRE DEPARTMENT RADIO COMMUNICATION

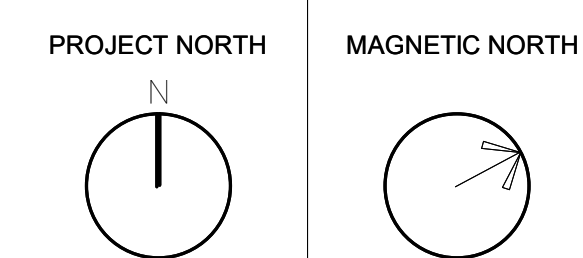
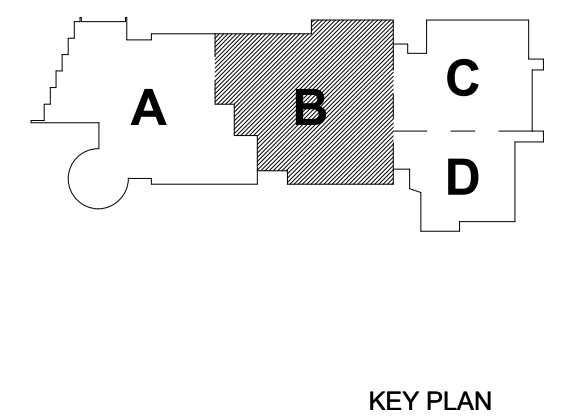
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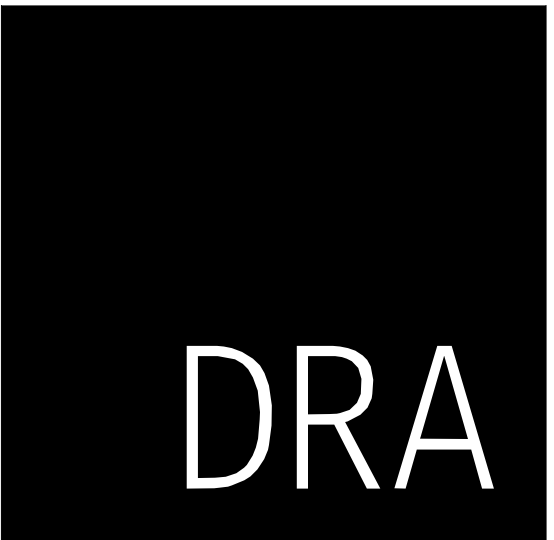
January 13, 2023



**FIRE ALARM
FOURTH FLOOR
PLAN - AREA B**

Scale: 1/8" = 1'-0"
Job No.: 20022
Drawn By: DRA
Date: January 13, 2023

FA1-1-4B



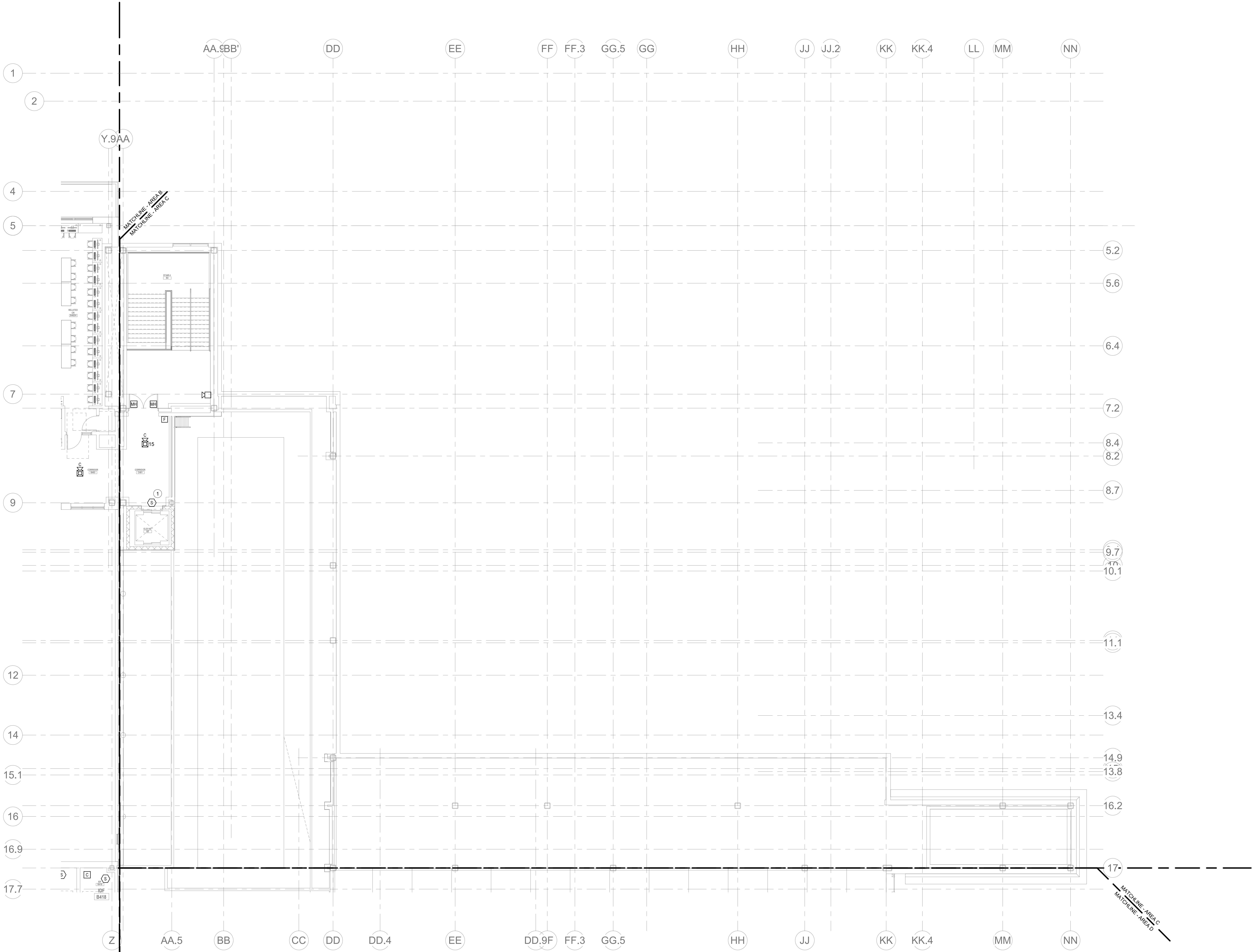
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- GENERAL FIRE ALARM NOTES:
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
 2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
 3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
 4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
 6. PROVIDE RACEWAY, CONDUCTORS AND CABLE ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICE(S) TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
 7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
 8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
 9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
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 12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
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 16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
 17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

- FIRE ALARM KEYNOTES:
1. PROVIDE SMOKE DETECTION TO INITIATE ELEVATOR RECALL.



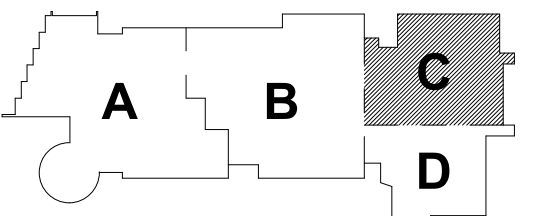
1 FIRE ALARM FOURTH FLOOR PLAN - AREA C
K11-140 1/8" = 1'-0"

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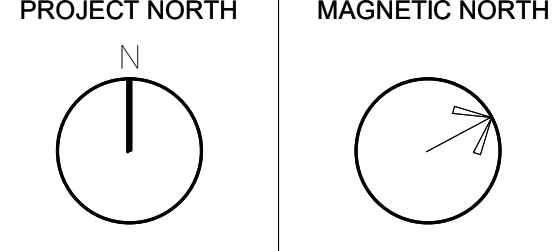


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January 13, 2023

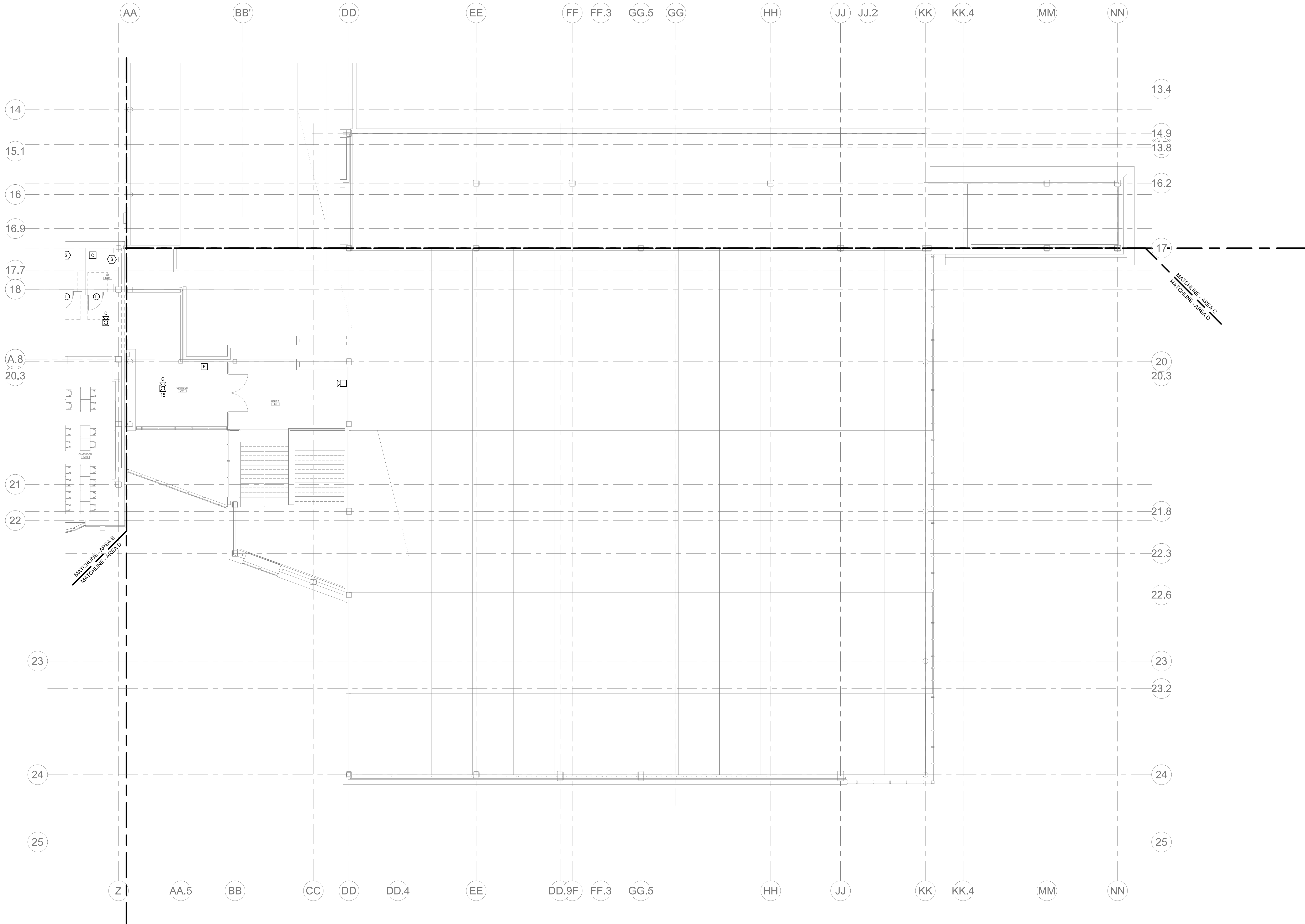


KEY PLAN



FIRE ALARM
FOURTH FLOOR
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 2002
Drawn By: DRA
Date: January 13, 2023
FA1-1-4C



GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS (OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS).
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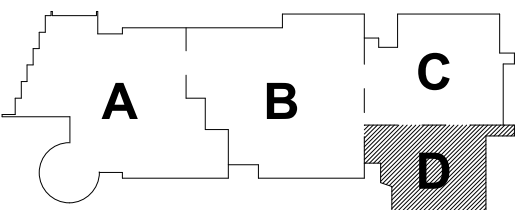
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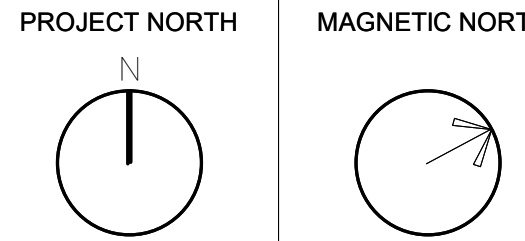
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January 13, 2023



KEY PLAN



FIRE ALARM
FOURTH FLOOR
PLAN - AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-1-4D



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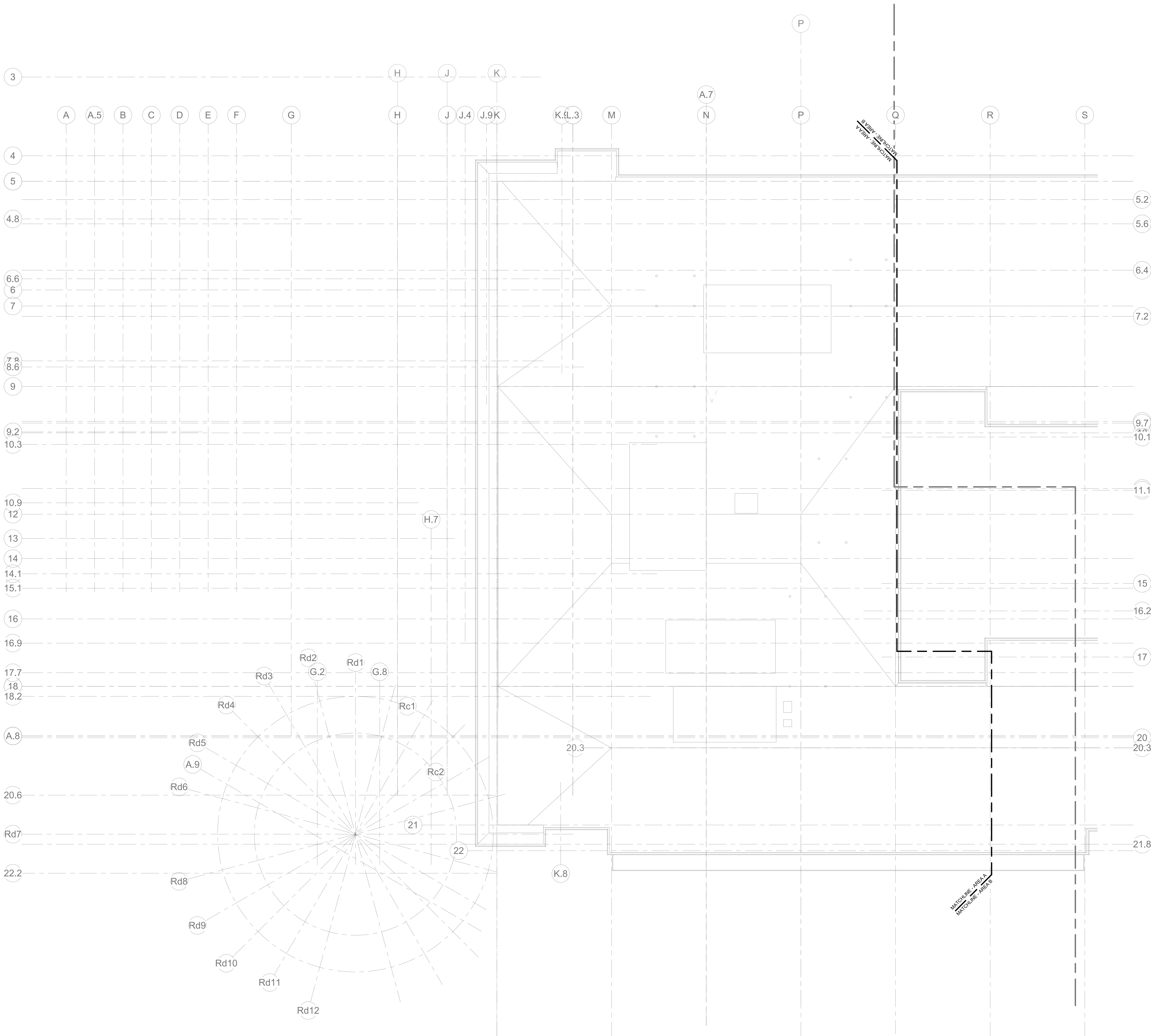
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GENERAL FIRE ALARM NOTES:

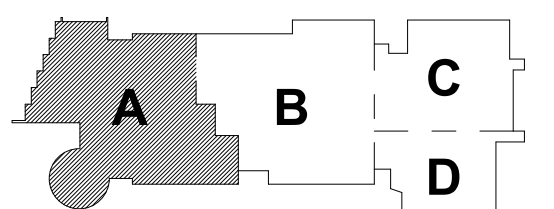
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January 13, 2023

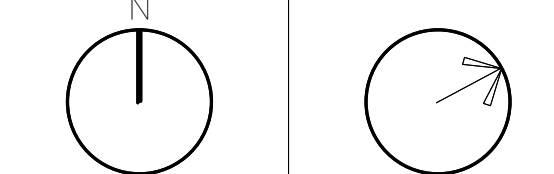
MSBA 60% CD
SUBMISSION

January 13, 2023



KEY PLAN

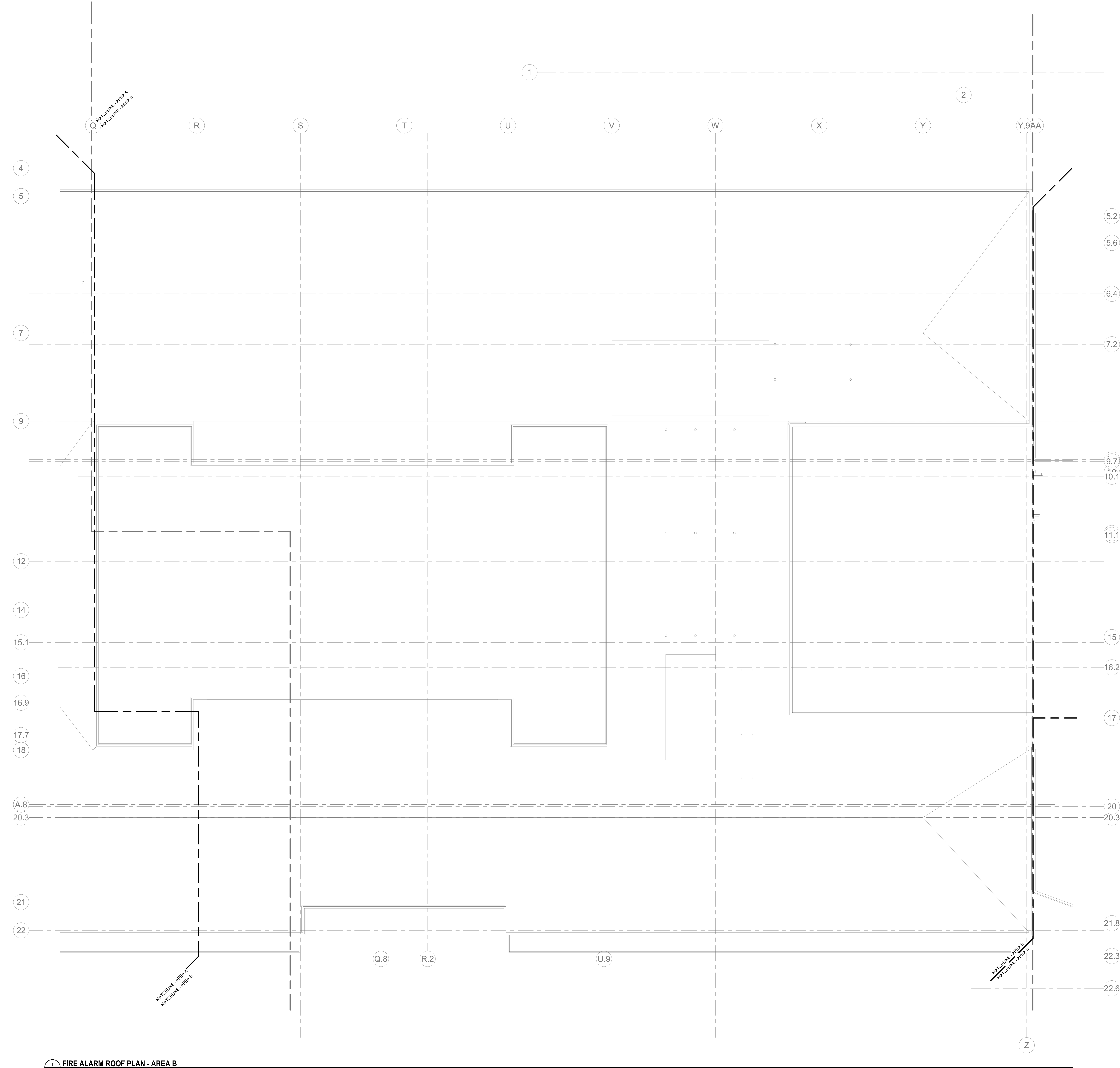
PROJECT NORTH
MAGNETIC NORTH



FIRE ALARM ROOF PLAN - AREA A

Scale: 1" = 10'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-2-1A



- GENERAL FIRE ALARM NOTES:
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
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 5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
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January 13, 2023

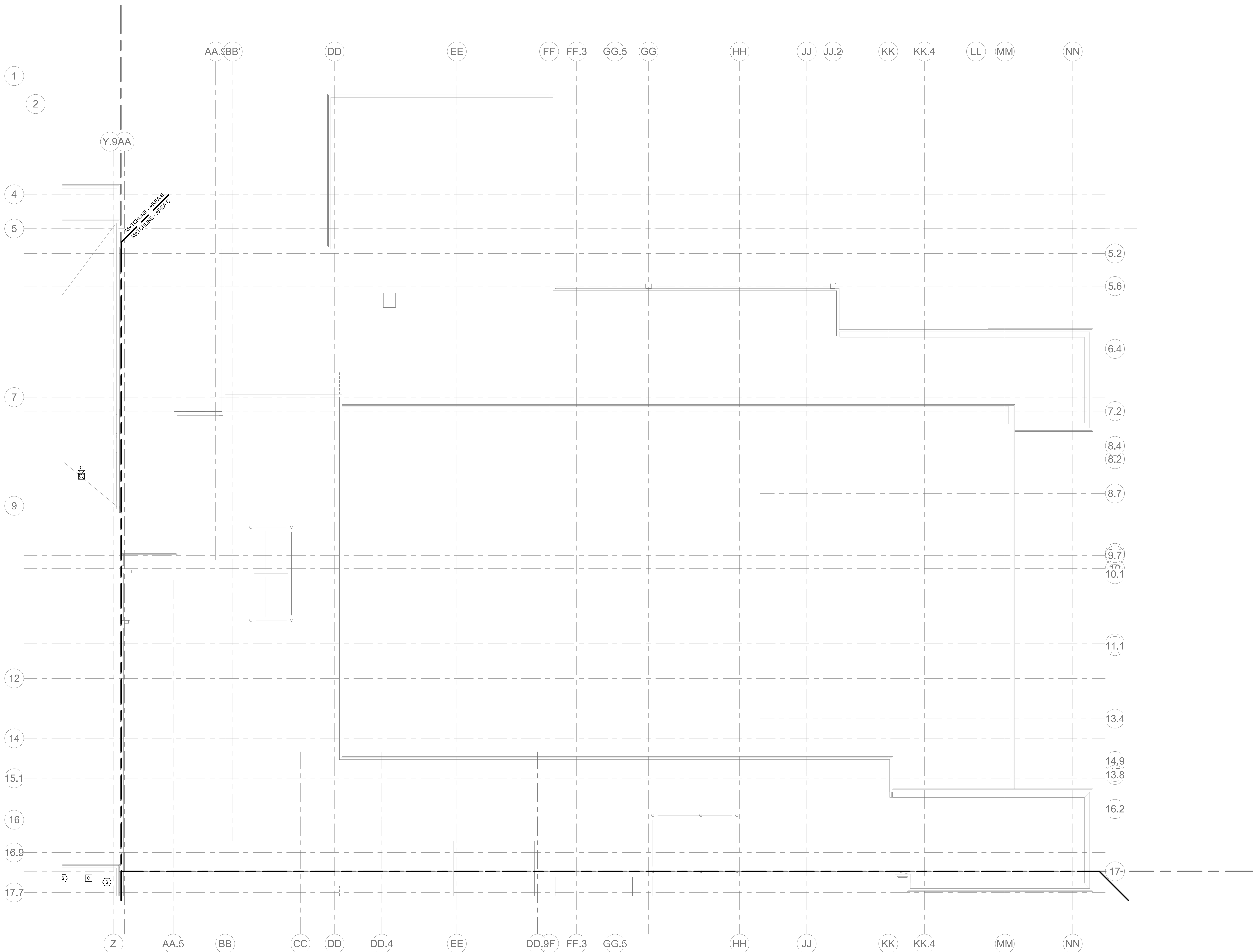
KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

FIRE ALARM
ROOF PLAN -
AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023

FA1-2-1B



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

GENERAL FIRE ALARM NOTES:

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SUBMISSION
January 13, 2023

A B C D

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

FIRE ALARM
ROOF PLAN -
AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023
FA1-2-1C



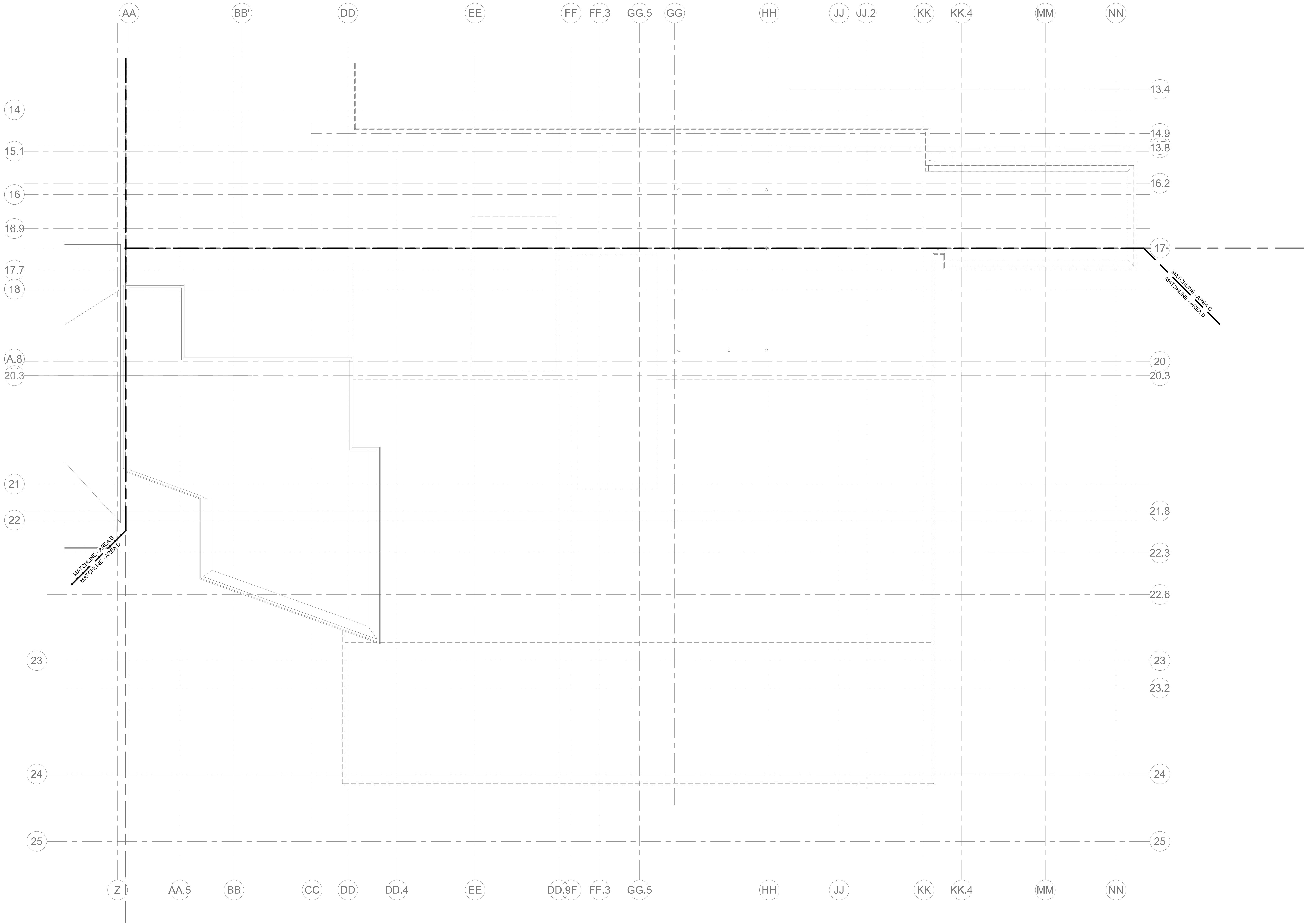
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15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

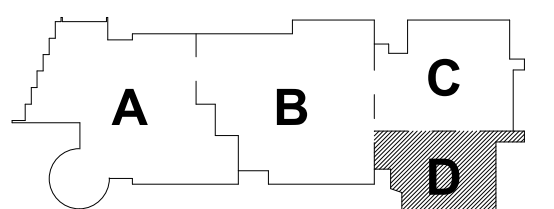


1 FIRE ALARM ROOF PLAN - AREA D
FA1-2-1D
1/8" = 1'-0"

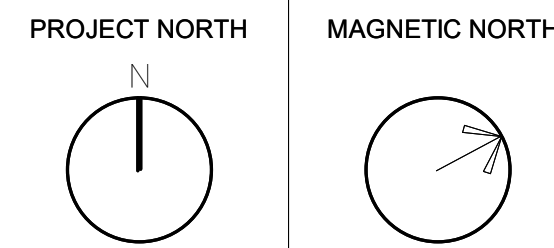
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MSBA 60% CD
SUBMISSION
January 13, 2023



KEY PLAN



FIRE ALARM
ROOF PLAN -
AREA D

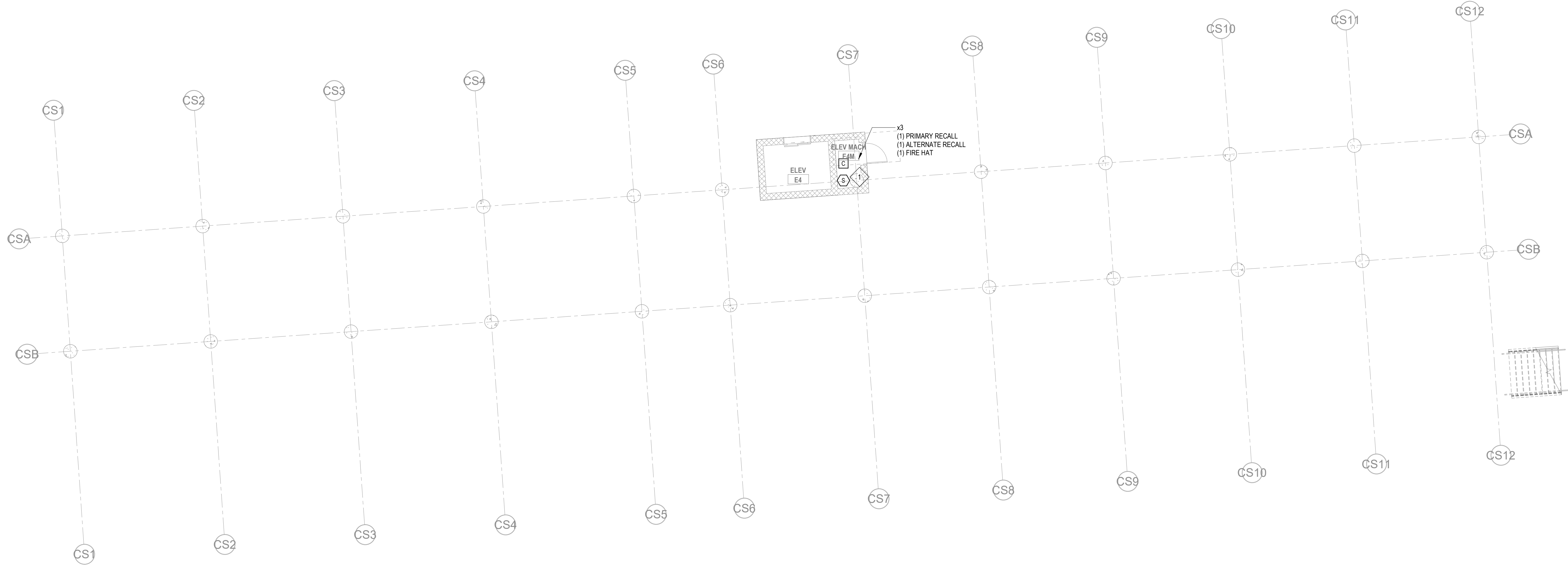
Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023
FA1-2-1D

KEYNOTE

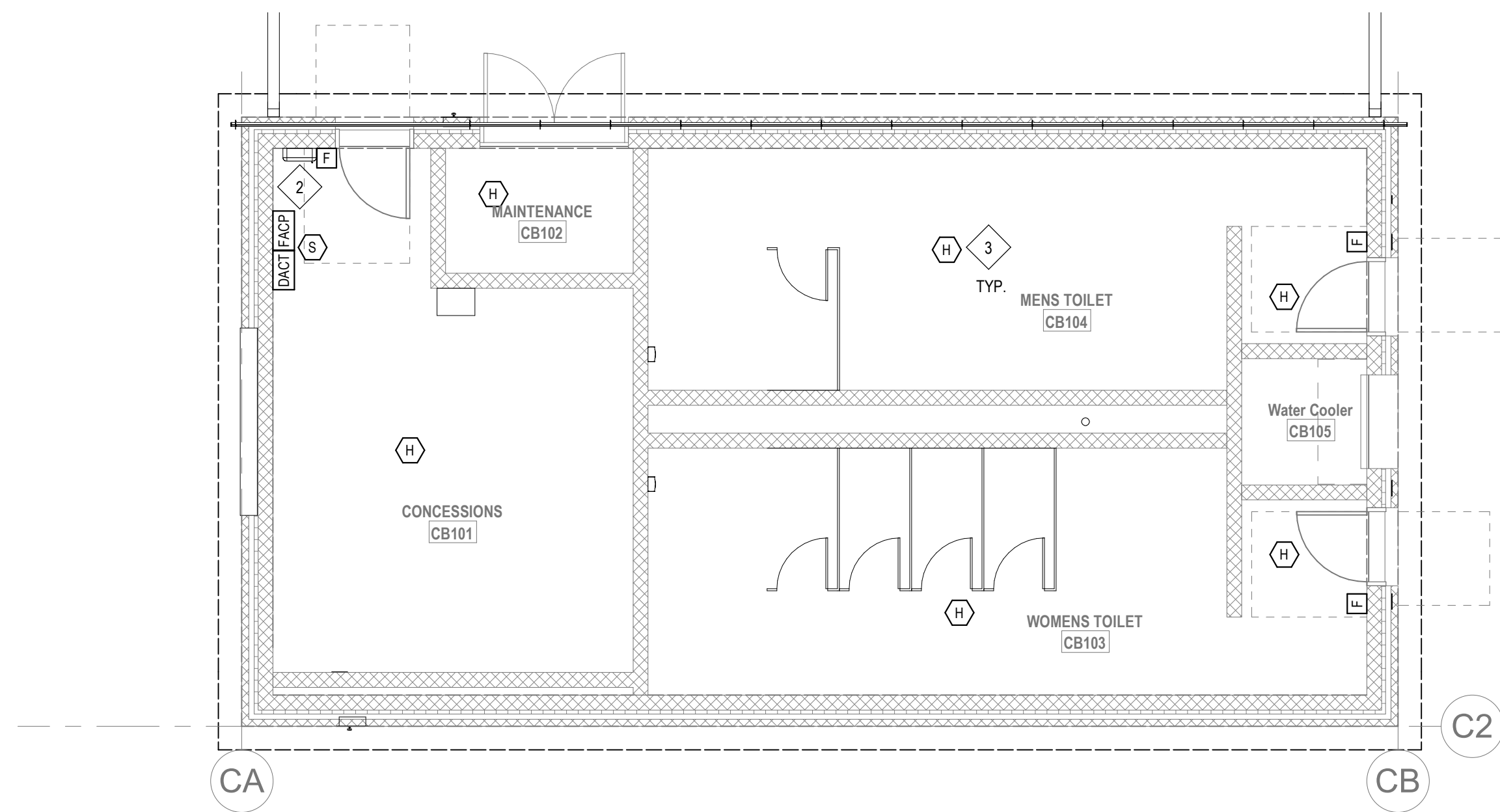
1. PROVIDE A SMOKE DETECTOR TO INITIATE ELEVATOR RECALL.
2. PROVIDE A NEW ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL UNIT. A DIGITAL ALARM COMMUNICATION TRANSMITTER SHALL BE PROVIDED TO TRANSMIT SIGNALS OFF-SITE.
3. PROVIDE HEAT DETECTORS RATED AT A FIXED TEMPERATURE OF 155 F.

GENERAL FIRE ALARM NOTES:

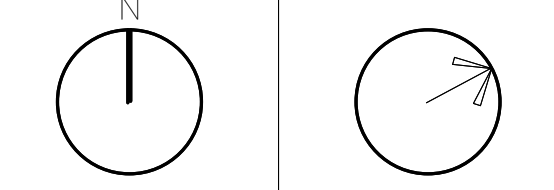
1. PROVIDE A FULLY OPERATIONAL TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINETS OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NOTWAGED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.



2 FIRE ALARM CONCESSION BUILDING PLAN
FA1-1-CB
1/8" = 1'-0"



1 FIRE ALARM - CONCESSIONS FLOOR LEVEL PLAN
3/16" = 1'-0"



DRA

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Wakefield, MA 01880

GENERAL FIRE ALARM NOTES:

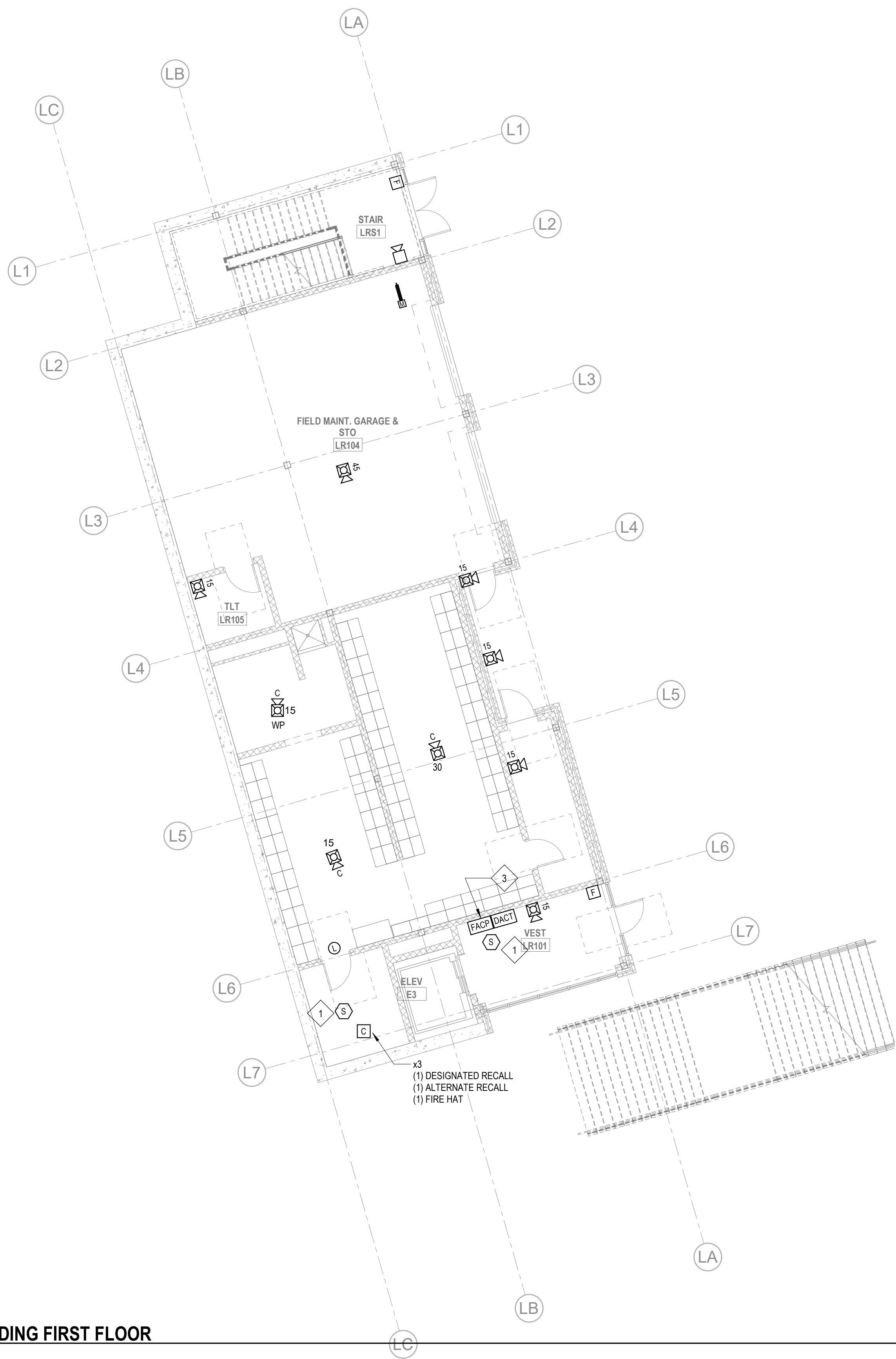
1. PROVIDE A FULLY OPERATIONAL, TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE-SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

KEYNOTES:

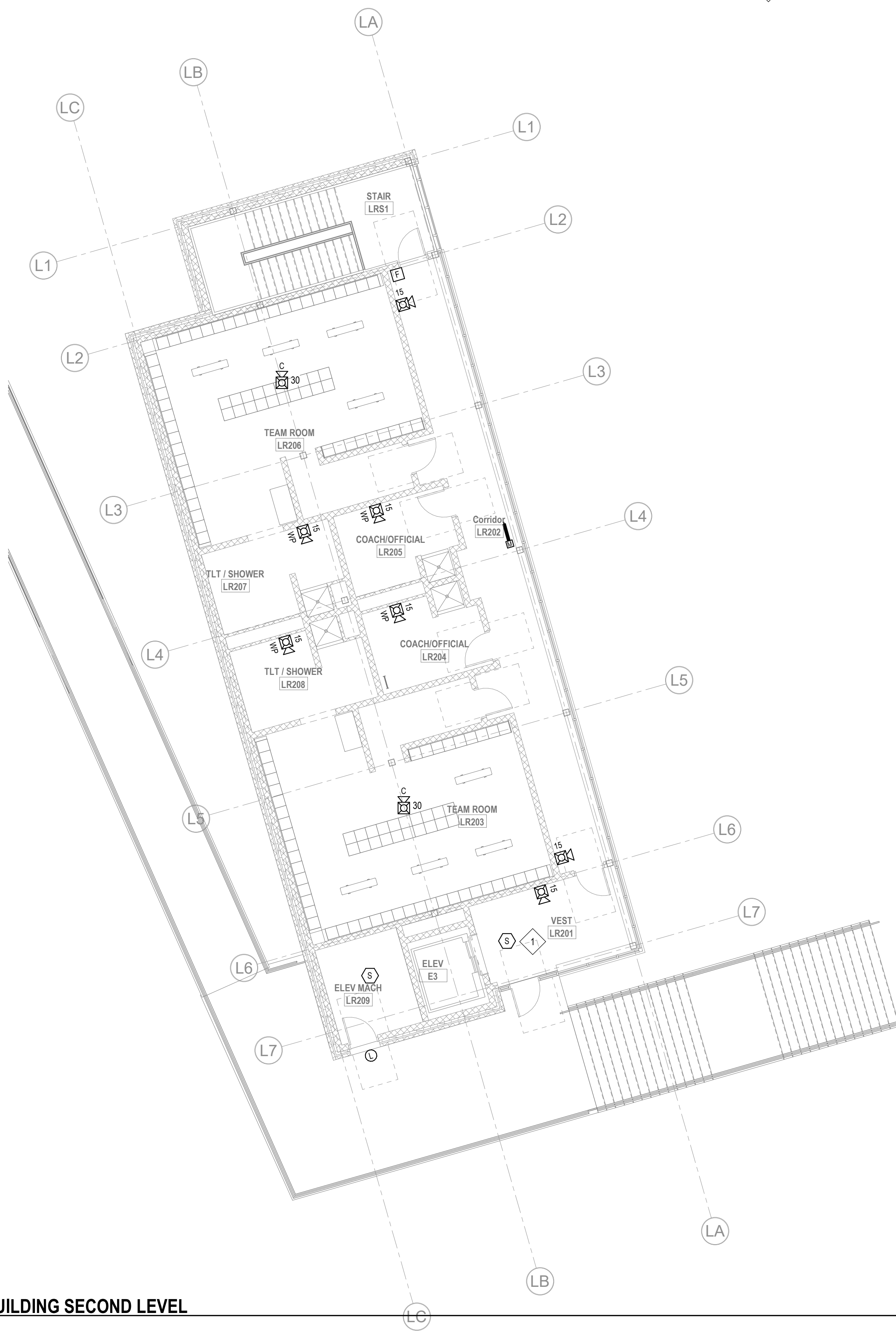
- 1 PROVIDE SMOKE DETECTOR TO INITIATE ELEVATOR RECALL.
- 2 PROVIDE WEATHER PROOF DEVICE NOTE.

KEYNOTE

- 1 PROVIDE A SMOKE DETECTOR TO INITIATE ELEVATOR RECALL.
- 2 PROVIDE WEATHERPROOF SPEAKERSTROBE.
- 3 PROVIDE A NEW ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL UNIT. A DIGITAL ALARM COMMUNICATION TRANSMITTER SHALL BE PROVIDED TO TRANSMIT SIGNALS OFF-SITE.



1 FIRE ALARM LOCKER BUILDING FIRST FLOOR
FA1-1-LB
1/8" = 1'-0"

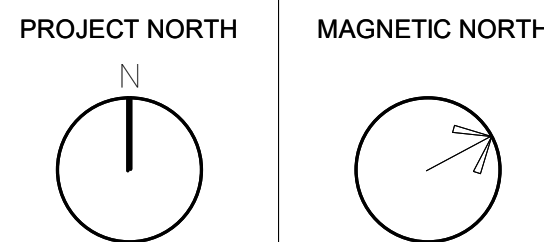


2 FIRE ALARM LOCKER BUILDING SECOND LEVEL
FA1-1-LB
1/8" = 1'-0"

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MSBA 60% CD
SUBMISSION
January 13, 2023



FIRE ALARM
LOCKER
BUILDING PLAN

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: January 13, 2023
FA1-1-LB



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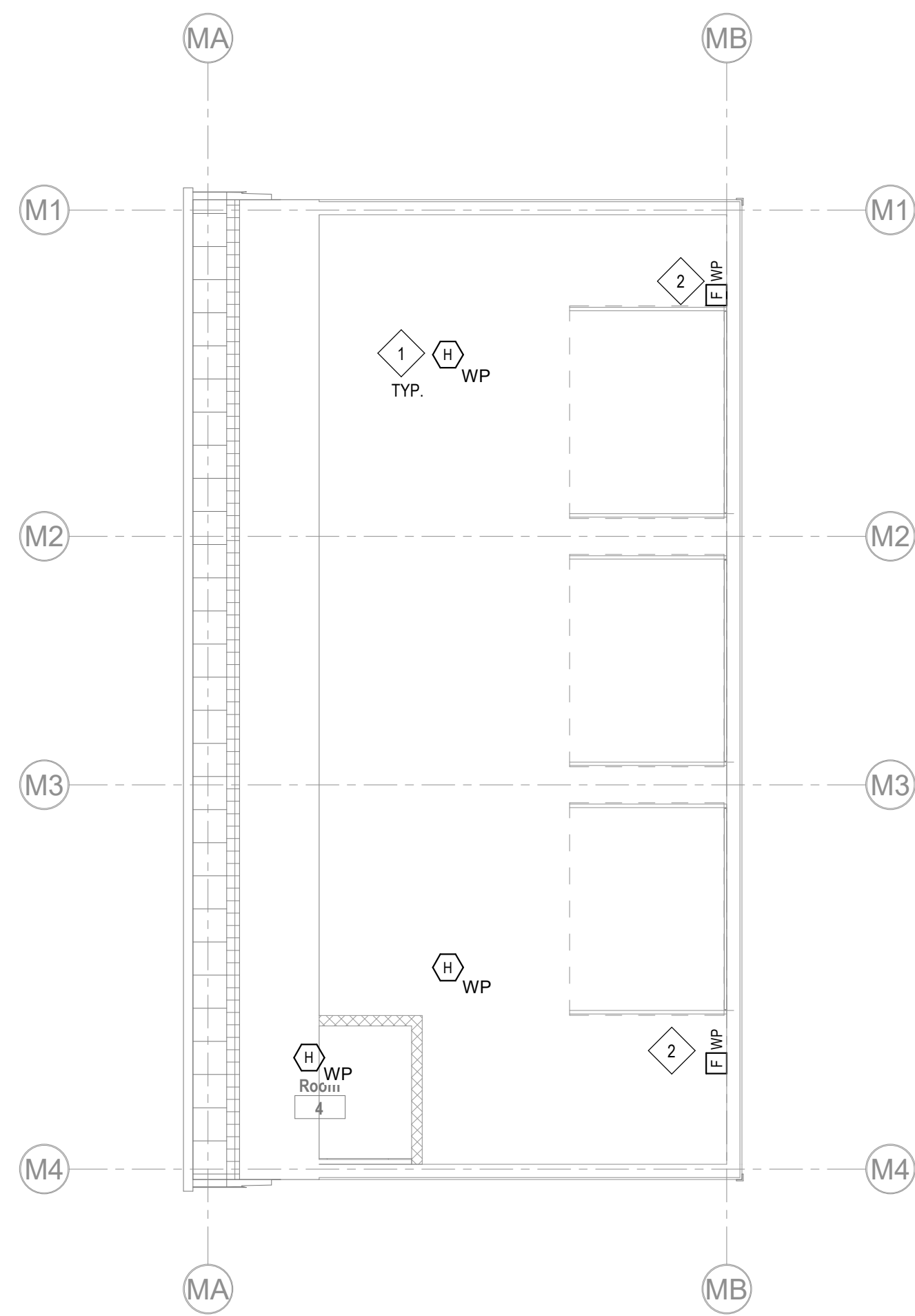
Wakefield, MA 01880

GENERAL FIRE ALARM NOTES:

1. PROVIDE A FULLY OPERATIONAL, TEMPORARY FIRE ALARM SYSTEM DURING ALL WORK, APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE FIRE ALARM SYSTEM PROGRAMMING AND TESTING ACCORDING TO LOCAL FIRE DEPARTMENT REQUESTS. TEMPORARY SYSTEM SHALL REMAIN UNTIL NEW SYSTEM HAS BEEN APPROVED FOR OPERATION.
2. COORDINATE LOCATION OF FIRE ALARM APPLIANCES AND DEVICES IN AREAS WITH CEILING SYSTEM, DUCTWORK, FIXTURES, FURNITURE, AND OTHER EQUIPMENT PRIOR TO ALL WORK.
3. FINAL LOCATIONS AND ARRANGEMENTS OF FIRE ALARM DEVICES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION VIEWS.
4. FOR EXACT LOCATIONS OF SMOKE/FIRE DAMPERS, DUCT-MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND VALVE TAMPER SWITCHES, REFER TO FIRE PROTECTION, PLUMBING AND MECHANICAL/HVAC DRAWINGS.
5. MOUNTING HEIGHTS SHALL BE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.
6. PROVIDE RACEWAY, CONDUCTORS AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED FIRE ALARM BRANCH CIRCUITS FROM DEVICES(S) TO FIRE ALARM TERMINAL CABINET(S) OR FIRE ALARM CONTROL PANEL OR FIRE COMMAND CENTER PER FIRE ALARM PRODUCT MANUFACTURER REQUIREMENTS.
7. PROVIDE ADDITIONAL POWER SUPPLIES, AMPLIFICATION AND BATTERY BACKUP TO SUPPORT NEW/ADDED DEVICES.
8. PROVIDE TEMPORARY HEAT DETECTORS AS REQUIRED BY LOCAL FIRE DEPARTMENT.
9. PROVIDE NEW AV DEVICES WITH INTEGRAL SYNCHRONIZATION CAPABILITIES AND/OR PROVIDE SYNCHRONIZATION MODULES FOR SYNCHRONIZATION OF ALL VISUAL DEVICES.
10. THE SCOPE OF THIS PROJECT SHALL IN NO WAY IMPACT THE DAILY OPERATION OR THE SEQUENCE OF OPERATION OF THE EXISTING FIRE ALARM SYSTEM.
11. PROVIDE ALL PROGRAMMING/RE-PROGRAMMING PER REVISED SPACE DESIGNATIONS.
12. PROVIDE ALL PRETESTS AND FINAL TESTS PER TOWN OF STONEHAM FIRE DEPARTMENT.
13. PROVIDE FIRE ALARM INTERFACE TO BRING ALL DIMMED LUMINAIRES TO FULL BRIGHTNESS UPON ALARM.
14. PROVIDE FIRE ALARM INTERFACE TO SHUNT ALL AV AND/OR SOUND EQUIPMENT.
15. PROVIDE FIRE ALARM INTERFACE TO RELEASE ALL SECURITY DEVICES.
16. A TAMPER SWITCH SHALL BE PROVIDED AT EACH ISOLATION CONTROL VALVE SERVING THE COMBINATION STANDPIPE/SPRINKLER SYSTEM. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.
17. A FLOW AND SUPERVISORY SWITCH SHALL BE PROVIDED FOR EACH CONTROL VALVE ASSEMBLY. FOR MORE INFORMATION REFER TO THE FIRE PROTECTION DRAWINGS.

KEY NOTES

1. PROVIDE A WEATHERPROOF HEAT DETECTORS RATED AT A FIXED TEMPERATURE OF 155 F.
2. PROVIDE A WEATHERPROOF PULL STATION



2 FIRE ALARM MAINTENANCE BUILDING PLAN
FA1-1-MB 1/8" = 1'-0"

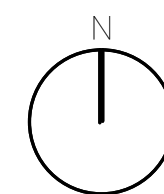
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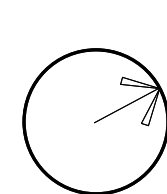
MSBA 60% CD
SUBMISSION

January 13, 2023

PROJECT NORTH



MAGNETIC NORTH



FIRE ALARM
MAINTENANCE
BUILDING PLAN

Scale: 1/8" = 1'-0"

Job No.: 20202

Drawn By: DRA

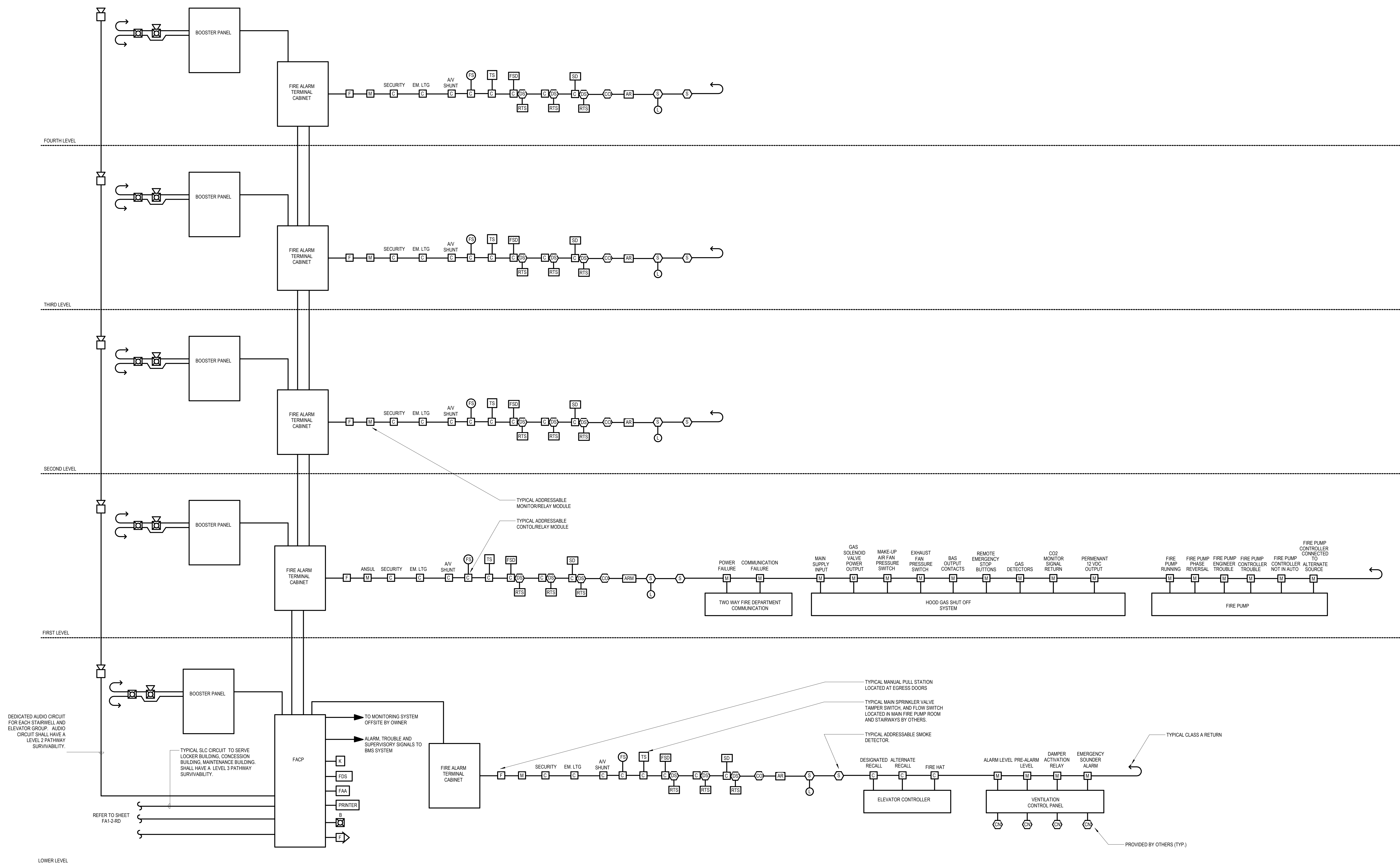
Date: January 13, 2023

FA1-1-MB

**Northeast
Metropolitan
Regional
Vocational High
School**

Wakefield, MA 01880

- NOTES
1. ALL DEVICES AND WIRING SHALL BE COMPATIBLE WITH FACD AND SHALL BE UL AND FM CERTIFIED AS A COMPLETE AND OPERABLE SYSTEM. THE FIRE ALARM SYSTEM SHALL BE INSTALLED AND OPERATIONAL IN ACCORDANCE WITH FIRE ALARM CODES, ARTICLES 705, ARTICLE 760, NFPA 72 AND AIA. WIRING SHALL BE CLASS "A" TYPE.
 2. WIRING BETWEEN THE FIRE ALARM CONTROL PANEL AND THE FIRE ALARM TERMINAL CABINETS AND THE WIRING BETWEEN TWO FIRE ALARM TERMINAL CABINETS SHALL HAVE A LEVEL 2 SURVIVABILITY.
 3. THIS DIAGRAM DOES NOT DUPLICATE INFORMATION ABOUT PHYSICAL LOCATION OF EQUIPMENT WHICH IS ALREADY SHOWN ON THE PLANS. THIS DIAGRAM SHOWS SOME PIECES OF EQUIPMENT NECESSARY FOR THE OPERATION OF THE FIRE ALARM SYSTEM, BUT WHICH ARE TYPICALLY OMITTED FROM THE PLANS FOR THE SAKE OF CLARITY.
 4. TYPICALLY INDICATE TYPE OF SMOKE DETECTORS SHALL BE DETECTED AND WIRED FOR ANALIS AND RETURN BACK TO FACD PER NFPA 80A. COORDINATE WITH MECH. CONTRACTOR ON DETECTOR INSTALLATION AND SHUTDOWN WIRING. USE PHOTOELECTRIC TYPE DETECTORS FOR MECHANICAL ROOM, ELECTRICAL ROOM, DP ROOM, TEL/DATA ROOM.
 5. PROVIDE CONTROL MODULES FOR HVAC CONTROL, (AHJ AND RTO SHUTDOWN) AND WIRE DETECTORS WITH RELAYS WIRED TO SILC PER NFPA 80A. COORDINATE WITH MECHANICAL CONTRACTOR ON LOCATIONS OF DUCT DETECTORS, ETC. DUCT DETECTORS SHALL BE SYSTEM TYPE COMPATIBLE WITH FACD AND FURNISHED AND WREID BY EC.
 6. FIRE ALARM SYSTEM SHALL COMMUNICATE VIA COMMON GENERIC PROTOCOL, WITH THE MECHANICAL BAS SYSTEM, AND DATA CENTER CPM SYSTEM AS REQUIRED FOR SUPERVISORY, TROUBLE AND ALARM CONDITIONS. FIRE ALARM SYSTEM AND BAS SYSTEM SHALL BE MONITORED IN THE BUILDING ENGINEERS OFFICE. PROVIDE REQUIRED HARDWARE, SOFTWARE AND WIRING.
 7. PROVIDE, INSTALL AND WIRE SMOKE DAMPERS TO THE FIRE ALARM SYSTEM AS APPLICABLE. COORDINATE WITH MECHANICAL CONTRACTOR.
 8. DESIGN INTENT IS TO INSTALL A NEW NOTIFICATION APPLIANCES AND INITIATING DEVICES TO THE NEW NOTIFICATION APPLIANCE CIRCUIT (NAC) AND SIGNALING DEVICES CIRCUIT RESPECTIVELY SERVING THE RENOVATION AREA.
 9. CONTRACTOR TO PERFORM VOLTAGE DROP AND BATTERY CALCULATIONS TO DETERMINE IF THE BATTERY NEEDS TO BE UPDISED OR IF ANOTHER MAIN BOOSTER PANEL IS NEEDED.
 10. COORDINATE WITH ELEVATOR CONTRACTOR ON FIRE ALARM INTERFACE WIRING FOR SHUNT TRIP OF ELEVATOR MAIN DISCONNECT, ELEVATOR CAB PHONE JACKS, ELEVATOR PIT AND TOP OF SHAFT HEAT AND SMOKE DETECTORS, ETC. AS PER LOCAL ELEVATOR CODES. PROVIDE REQUIRED FIRE ALARM SYSTEM HARDWARE.
 11. ISOLATION MODULES SHALL BE INSTALLED EACH 25 ADDRESSABLE DEVICES.
 12. PROVIDE MONITOR MODULES AND WIRING FOR SPRINKLER WATER FLOW SWITCHES, PRESSURE SWITCHES AND TAMPER SWITCHES FOR MAIN VALVES, PRESSURE, FLOW AND TAMPER SWITCHES TO BE PROVIDED AND INSTALLED BY THE FIRE PROTECTION MECHANICAL CONTRACTOR.
 13. FIRE ALARM SYSTEM DESIGN AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ALL LOCAL CODES AND ORDINANCES AND OF THE LOCAL STONEHAM SAFETY DEPARTMENT.
 14. FIRE ALARM CONTROL PANEL SHALL BE DUAL LISTED FOR MASS NOTIFICATION.
 15. SEE DIVISION 28 SPECIFICATION FOR ADDITIONAL DETAILS OF FIRE ALARM SYSTEM.
 16. FIRE ALARM SYSTEM SHALL COMMUNICATE VIA COMMON GENERIC PROTOCOL, WITH THE MECHANICAL BAS SYSTEM, AS REQUIRED. IN ADDITION, FIRE ALARM SYSTEM SHALL COMMUNICATE ON A CAMPUS-WIDE BASIS TO THE MAIN FIRE ALARM CONTROL PANEL.
 17. FIRE ALARM SYSTEM SHALL BE ARRANGED FOR ZONED OPERATION. THERE WILL BE ONE ZONE FOR THE STADIUM BUILDING AND ONE ZONE FOR THE HIGH SCHOOL BUILDING. THIS INITIATING DEVICES THAT ARE ACTIVATED WITHIN A HIGH SCHOOL OR STADIUM WILL ONLY NOTIFY OCCUPANTS WITHIN THE HIGH SCHOOL BUILDING AND VICE VERSA. THE CORRESPONDING FIRE ALARM SIGNALING SYSTEM IS TO BE FOR AKAUQUILIN OR PROTECT.



FIRE ALARM HIGH SCHOOL BUILDING RISER DIAGRAM

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MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION

MSBA 60% CD
SUBMISSION

January 13, 2023

PROJECT NORTH

MAGNETIC NORTH

FIRE ALARM HIGH SCHOOL BUILDING RISER DIAGRAM

Scale: 12" = 1'-0"

Job No.: 20202

Drawn By: DR.

FA4-0

NOTES:

- ALL DEVICES AND WIRING SHALL BE COMPATIBLE WITH FACP AND SHALL BE U.L. AND FM CERTIFIED AS A COMPLETE AND OPERABLE SYSTEM. THE FIRE ALARM SYSTEM SHALL BE INSTALLED AND OPERATIONAL IN ACCORDANCE WITH NEC ARTICLE 725, ARTICLE 760, NFPA 72 AND ADA. WIRING SHALL BE CLASS "A" TYPE.
- THIS DIAGRAM DOES NOT DUPLICATE INFORMATION ABOUT PHYSICAL LOCATION OF EQUIPMENT, WHICH IS ALREADY SHOWN ON THE PLANS. THIS DIAGRAM SHOWS SOME PIECES OF EQUIPMENT NECESSARY FOR THE OPERATION OF THE FIRE ALARM SYSTEM, BUT WHICH ARE TYPICALLY OMITTED FROM THE PLANS FOR THE SAKE OF CLARITY.
- TYPICALLY IONIZATION TYPE SMOKE DETECTORS SHALL BE PROVIDED AND WIRED FOR AHU'S AND RTU'S BACK TO FACP PER NFPA 90A. COORDINATE WITH MECH. CONTRACTOR ON DETECTOR INSTALLATION AND SHUTDOWN WIRING. USE PHOTOELECTRIC TYPE DETECTORS FOR MECHANICAL ROOM, ELECTRICAL ROOM, IDF ROOM, MSP ROOM, TEL/DATA ROOM.
- PROVIDE CONTROL MODULES FOR HVAC CONTROL (AHU) AND RTU SHUTDOWN VIA DUCT SMOKE DETECTORS WITH RELAYS WIRED TO SLC PER NFPA 90A. COORDINATE WITH MECHANICAL CONTRACTOR ON LOCATIONS OF DUCT DETECTORS, ETC. DUCT DETECTORS SHALL BE SYSTEM TYPE COMPATIBLE WITH FACP AND FURNISHED AND WIRED BY EC.
- FIRE ALARM SYSTEM SHALL COMMUNICATE VIA COMMON GENERIC PROTOCOL WITH THE MECHANICAL BAS SYSTEM, AND DATA CENTER CPMS SYSTEM AS REQUIRED FOR SUPERVISORY, TROUBLE AND ALARM CONDITIONS. FIRE ALARM SYSTEM AND BAS SYSTEM SHALL BE MONITORED IN THE BUILDING ENGINEER'S OFFICE. PROVIDE REQUIRED HARDWARE, SOFTWARE AND WIRING.
- PROVIDE, INSTALL AND WIRE SMOKE DAMPERS TO THE FIRE ALARM SYSTEM AS APPLICABLE. COORDINATE WITH MECHANICAL CONTRACTOR.
- DESIGN INTENT IS TO INSTALL A NEW NOTIFICATION APPLIANCES AND INITIATING DEVICES TO THE NEW NOTIFICATION APPLIANCE CIRCUIT (NAC) AND SIGNALING DEVICES CIRCUIT RESPECTIVELY SERVING THE RENOVATION AREA.
- CONTRACTOR TO PERFORM VOLTAGE DROP AND BATTERY CALCULATIONS TO DETERMINE IF THE BATTERY NEEDS TO BE UPSIZED OR IF ANOTHER NAC BOOSTER PANEL IS NEEDED.
- COORDINATE WITH ELEVATOR CONTRACTOR ON FIRE ALARM INTERFACE WIRING FOR SHUNT TRIP OF ELEVATOR MAIN DISCONNECT, ELEVATOR CAB PHONE JACKS, ELEVATOR PIT AND TOP OF SHAFT HEAT AND SMOKE DETECTORS, ETC. AS PER LOCAL ELEVATOR CODES. PROVIDE REQUIRED FIRE ALARM SYSTEM HARDWARE.
- ISOLATION MODULES SHALL BE INSTALLED EACH 25 ADDRESSABLE DEVICES.
- PROVIDE MONITOR MODULES AND WIRING FOR SPRINKLER WATER FLOW SWITCHES, PRESSURE SWITCHES AND TAMPER SWITCHES FOR MAIN VALVES. PRESSURE, FLOW AND TAMPER SWITCHES TO BE PROVIDED AND INSTALLED BY THE FIRE PROTECTION MECHANICAL CONTRACTOR.
- FIRE ALARM SYSTEM DESIGN AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ALL LOCAL CODES AND ORDINANCES AND OF THE LOCAL STONEHAM SAFETY DEPARTMENT.
- FIRE ALARM CONTROL PANEL SHALL BE DUAL LISTED FOR MASS NOTIFICATION.
- SEE DIVISION 28 SPECIFICATION FOR ADDITIONAL DETAILS OF FIRE ALARM SYSTEM.
- FIRE ALARM SYSTEM SHALL COMMUNICATE VIA COMMON GENERIC PROTOCOL WITH THE MECHANICAL BAS SYSTEM, AS REQUIRED. IN ADDITION, FIRE ALARM SYSTEM SHALL COMMUNICATE ON A CAMPUS-WIDE BASIS TO THE MAIN FIRE ALARM CONTROL PANEL.
- FIRE ALARM SYSTEM SHALL BE ARRANGED FOR ZONED EVACUATION. THERE WILL BE ONE ZONE FOR THE STADIUM BUILDING AND ONE ZONE FOR THE HIGH SCHOOL BUILDING. THUS, INITIATING DEVICES THAT ARE ACTUATED WITHIN THE HIGH SCHOOL BUILDING WILL ONLY NOTIFY OCCUPANTS WITHIN THE HIGH SCHOOL BUILDING AND VICE VERSA. THE CORRESPONDING FIRE ALARM SIGNALS WILL DISTINGUISH IF IT IS FROM THE STADIUM BUILDING OR FROM THE HIGH SCHOOL BUILDING.

