

STATE OF IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

IOWA MEDICAL CLASSIFICATION CENTER

FIRE ALARM REPLACEMENT

PROJECT #: 9445.00

100% CD

07/31/2025



Iowa Department of
Administrative Services

OWNER

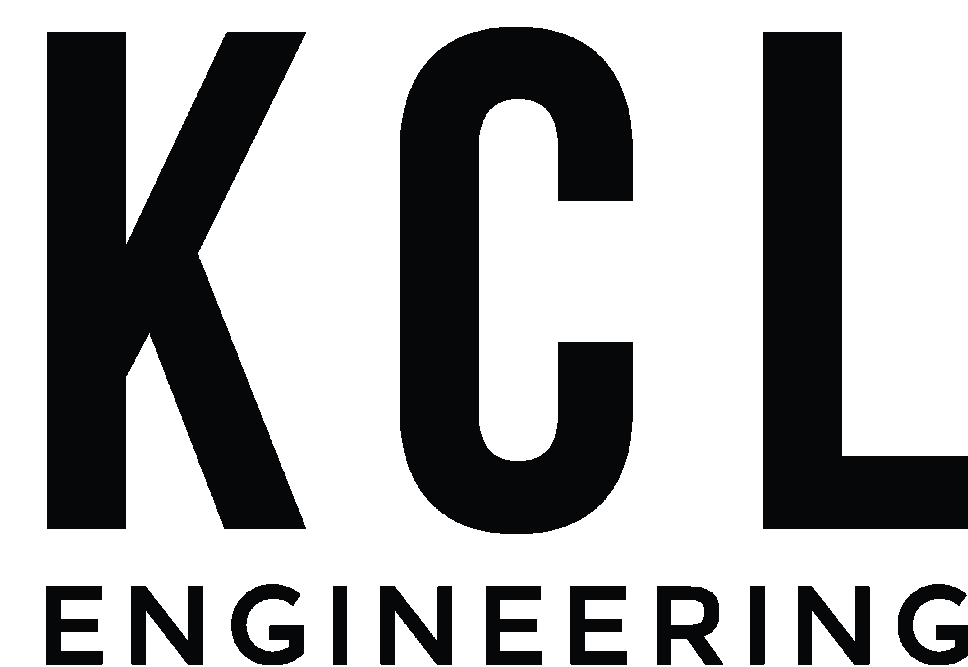
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
109 SE 13TH STREET
DES MOINES, IA 50319
OWNER PROJECT NUMBER: 9445.00



Design
Construct
Furnish

CONSTRUCTION MANAGER

MAC McKEEVER - PROJECT MANAGER
SAMUELS GROUP
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CM PROJECT NUMBER: 7740



ENGINEER

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ENGINEER PROJECT NUMBER: 25040

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Eric Heynen 07/31/2025
(signature) (date)

ERIC HEYNEN, P.E.
License Number : P24706

My license renewal date is December 31, 2025

Pages or sheets covered by this seal: FA, SHEETS

SHEET LIST	
Sheet Number	Sheet Name
AG00	TITLE SHEET
G001	LIFE SAFETY AND CODE SUMMARY
G002	LIFE SAFETY AND CODE SUMMARY
G003	LIFE SAFETY AND CODE SUMMARY
FA00	FIRE ALARM GENERAL NOTES & SYMBOLS
FA01	FACILITY MAP
FA02	FIRE ALARM ZONES
FA03	FIRE ALARM ZONES
FA10	MAIN - BASEMENT - FIRE DETECTION & ALARM PLANS
FA11	MAIN - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA12	MAIN BUILDING - SECOND FLOOR & PENTHOUSE - FIRE DETECTION & ALARM PLANS
FA20	ADMIN - BASEMENT - FIRE DETECTION & ALARM PLANS
FA21	ADMIN - FIRST & SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA31	WEST AND EAST - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA40	NORTH - BASEMENT - FIRE DETECTION & ALARM PLANS
FA41A	NORTH BUILDING WEST - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA41B	NORTH BUILDING EAST - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA42A	NORTH BUILDING WEST - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA42B	NORTH BUILDING EAST - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA51	R&S - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA52	R&S - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA61	T&V - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA62	T&V - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA70	SNU & POWERHOUSE BUILDING - BASEMENT - FIRE DETECTION & ALARM PLANS
FA71A	SNU WEST - FIRST FLOOR WEST - FIRE DETECTION & ALARM PLANS
FA71B	SNU EAST - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA72A	SNU WEST - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA72B	SNU EAST - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA73A	SNU WEST - THIRD FLOOR - FIRE DETECTION & ALARM PLANS
FA73B	SNU EAST - THIRD FLOOR & PENTHOUSE - FIRE DETECTION & ALARM PLANS
FA81	POWERHOUSE - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA82	POWERHOUSE - SECOND FLOOR - FIRE DETECTION & ALARM PLANS
FA91	ALTERNATE #1 - WAREHOUSE - FIRST FLOOR - FIRE DETECTION & ALARM PLANS
FA92	ALTERNATE #2 - POWERHOUSE - FIRST FLOOR - PRE-ACTION
FA99	FIRE ALARM FIBER ONE-LINE

OCCUPANT LOAD CALCULATIONS				
Name	Area	Occupancy Group	O.L.F.	Area Occupants
BASEMENT LEVEL				
A CONTROL	149.63 SF	BUSINESS	100	1.50
A LINEN	945.04 SF	SHOP	50	18.90
A LOCKER	301.13 SF	LOCKER ROOM	50	6.02
A LOCKERS	2248.07 SF	LOCKER ROOM	50	44.92
A MECHANICAL	3908.36 SF	MECHANICAL	300	13.03
A STORAGE	732.38 SF	STORAGE	300	2.44
A STORAGE	2534.47 SF	STORAGE	300	8.45
M CONTROL	125.42 SF	BUSINESS	100	1.25
M COOLERS	1312.13 SF	STORAGE	300	4.37
M DORM	1708.65 SF	SLEEPING AREA	120	14.24
M LOCKERS	488.84 SF	LOCKER ROOM	50	9.78
M LOCKERS	870.24 SF	LOCKER ROOM	50	17.40
M MECHANICAL	787.84 SF	MECHANICAL	300	2.63
M STORAGE	1285.10 SF	STORAGE	300	4.32
M STORAGE	399.44 SF	STORAGE	300	1.33
N CLOTHING STOR.	1342.80 SF	STORAGE	300	4.48
N DEAD RECORDS	8895.99 SF	STORAGE	500	13.77
N HOLDING	264.70 SF	ASSEMBLY	15	17.65
N INTAKE	1671.90 SF	BUSINESS	100	15.72
N LAUNDRY	1414.51 SF	KITCHEN/LAUNDRY	200	7.07
N SALLYPORT	791.59 SF	GARAGE	200	3.96
N STORAGE	1424.40 SF	BUSINESS	300	4.75
PH MECHANICAL	817.25 SF	MECHANICAL	300	2.72
PH STORAGE	97.18 SF	STORAGE	300	0.22
PH MAINT.	1157.43 SF	MECHANICAL	300	3.86
BASEMENT LEVEL: 25				224.88

OCCUPANT LOAD CALCULATIONS				
Name	Area	Occupancy Group	O.L.F.	Area Occupants
LEVEL 1				
A CONTROL	158.52 SF	BUSINESS	100	1.59
A DOCK	1520.00 SF	GARAGE	300	5.07
A EXAM	2483.52 SF	BUSINESS	100	24.84
A OFFICE	2197.10 SF	BUSINESS	100	21.97
A OFFICE	1221.00 SF	BUSINESS	100	12.21
EW INPATIENT	4317.36 SF	INPATIENT TREATMENT	240	17.99
EW INPATIENT	4268.03 SF	INPATIENT TREATMENT	240	17.78
EW MECH.	209.78 SF	MECHANICAL	300	0.70
EW MECH.	209.33 SF	MECHANICAL	300	0.69
EW NURSE STN	250.39 SF	BUSINESS	100	2.50
EW NURSE STN	268.47 SF	BUSINESS	100	2.68
EW OFFICE	1421.30 SF	BUSINESS	100	14.21
EW OFFICE	1459.61 SF	BUSINESS	100	14.60
EW THERAPY	593.71 SF	BUSINESS	100	5.94
EW THERAPY	576.04 SF	BUSINESS	100	5.76
M CHAPEL	439.86 SF	ASSEMBLY	15	29.33
M DINING	3602.30 SF	DINING	15	240.15
M DINING	684.91 SF	DINING	15	45.06
M GYM	5469.43 SF	EXERCISE	50	109.39
M KITCHEN	4016.29 SF	KITCHEN/LAUNDRY	200	20.08
M OFFICE	1864.55 SF	BUSINESS	100	18.65
M PHARMACY	1345.93 SF	BUSINESS	100	13.46
M SECURITY	1509.71 SF	BUSINESS	100	15.10
M STORAGE	2484.00 SF	STORAGE	300	8.28
M STORAGE	446.61 SF	STORAGE	300	1.49
M STORAGE	1365.38 SF	STORAGE	300	4.55
M SURGERY	1489.03 SF	BUSINESS	100	14.89
M TREATMENT	3958.50 SF	BUSINESS	100	39.58
M TREATMENT	1226.03 SF	BUSINESS	100	12.87
M VISITING	1859.21 SF	ASSEMBLY	15	123.95
N BLOCK, LOWER	2111.71 SF	SLEEPING AREA	120	17.60
N BLOCK, LOWER	3423.36 SF	SLEEPING AREA	120	28.53
N BLOCK, LOWER	3423.01 SF	SLEEPING AREA	120	28.53
N BLOCK, LOWER	3432.10 SF	SLEEPING AREA	120	28.60
N BLOCK, LOWER	3410.00 SF	SLEEPING AREA	120	28.49
N BLOCK, LOWER	3425.55 SF	SLEEPING AREA	120	28.55
N BLOCK, LOWER	3431.71 SF	SLEEPING AREA	120	28.60
N CLASSROOMS	1520.59 SF	CLASSROOM	20	76.03
N CONTROL	184.22 SF	BUSINESS	100	1.84
N CONTROL	177.37 SF	BUSINESS	100	1.77
N CONTROL	174.96 SF	BUSINESS	100	1.75
N CONTROL	235.32 SF	BUSINESS	100	2.35
N CONTROL	89.31 SF	BUSINESS	100	0.89
N DINING	1373.69 SF	DINING	15	91.58
N DINING	1433.75 SF	DINING	15	95.58
N FOOD PREP	1210.79 SF	KITCHEN/LAUNDRY	200	6.05
N LIBRARY	732.09 SF	LIBRARY	100	7.32
N MAINT.	217.25 SF	MECHANICAL	300	0.72
N OFFICE	2466.75 SF	BUSINESS	100	24.67
N OFFICE	244.95 SF	BUSINESS	100	2.45
N OFFICE	251.30 SF	BUSINESS	100	2.51
N OFFICES	1046.78 SF	BUSINESS	100	10.47
N PATIENT RM	727.40 SF	SLEEPING AREA	120	6.31
N STORAGE	977.03 SF	STORAGE	200	4.89
N TESTING	1706.40 SF	BUSINESS	100	17.06
N WORK RMS	721.69 SF	BUSINESS	100	7.22
N WORK RMS	721.69 SF	BUSINESS	100	7.22
N WORK RMS	518.62 SF	BUSINESS	100	5.19
N WORK RMS	701.55 SF	BUSINESS	100	7.02
N WORK RMS	641.21 SF	BUSINESS	100	6.41
N WORK RMS	644.66 SF	BUSINESS	100	6.45
PH DOCK	2271.87 SF	MECHANICAL	300	7.57
PH DOCK	1064.33 SF	STORAGE	300	3.55
PH ELECTRICAL	682.92 SF	MECHANICAL	300	2.28
PH GROUP S-2	1707.99 SF	STORAGE	300	5.69
PH GROUP S-2	1565.02 SF	STORAGE	300	5.22
PH GROUP S-2	4343.26 SF	STORAGE	600	6.99
PH LOCKERS	362.37 SF	LOCKER ROOM	50	7.25
PH OFFICE	283.89 SF	BUSINESS	100	2.84
PH OFFICE	402.96 SF	BUSINESS	100	4.03
PH PUMP ROOM	1437.89 SF	MECHANICAL	300	4.79
PH SHOP AREAS	4084.14 SF	SHOP	100	40.84
PH STORAGE	4357.49 SF	STORAGE	300	14.52
PH STORAGE	3800.74 SF	STORAGE	300	12.67
PUMP HOUSE	526.67 SF	MECHANICAL	300	1.76
R&S BLOCK, LOWER	3789.35 SF	SLEEPING AREA	120	31.58
R&S BLOCK, LOWER	3794.78 SF	SLEEPING AREA	120	31.37
R&S MECH.	192.49 SF	MECHANICAL	300	0.64
R&S MECH.	255.33 SF	MECHANICAL	300	0.85
R&S MULTI-PURPOSE	322.95 SF	ASSEMBLY	15	21.53
R&S MULTI-PURPOSE	321.34 SF	ASSEMBLY	15	21.42
R&S OFFICE	124.91 SF	BUSINESS	100	1.25
R&S OFFICE	118.52 SF	BUSINESS	100	1.19
SNU BLOCK L1	5194.73 SF	SLEEPING AREA	120	43.29
SNU BLOCK L1	5228.23 SF	SLEEPING AREA	120	43.57
SNU CLASSROOM	509.68 SF	CLASSROOM	20	25.48
SNU CLINIC	11702.17 SF	BUSINESS	100	117.02
SNU CONF. RM	312.93 SF	ASSEMBLY	15	20.86
SNU CONTROL	1663.48 SF	BUSINESS	100	16.63
SNU ELEC.	679.63 SF	MECHANICAL	300	2.27
SNU EXERCISE	384.25 SF	EXERCISE	50	7.69
SNU EXERCISE	400.09 SF	EXERCISE	50	8.00
SNU EXERCISE	208.28 SF	EXERCISE	50	4.17
SNU HOLDING	2012.09 SF	BUSINESS	100	20.12
SNU LOCKERS	539.38 SF	LOCKER ROOM	50	10.79
SNU MAINT.	255.09 SF	MECHANICAL	300	0.85
SNU MAINT.	251.70 SF	MECHANICAL	300	0.84
SNU OFFICE	4262.52 SF	BUSINESS	100	42.63
SNU SALLYPORT	2223.08 SF	GARAGE	200	11.12
SNU STORAGE	152.04 SF	STORAGE	300	0.51
SNU STORAGE	157.88 SF	STORAGE	300	0.53
SNU STORAGE	394.08 SF	STORAGE	300	1.31
SNU STORAGE	656.95 SF	STORAGE	300	2.19
T&V BLOCK, LOWER	4239.74 SF	SLEEPING AREA	120	35.33
T&V BLOCK, LOWER	4239.78 SF	SLEEPING AREA	120	35.33
T&V CLASSROOM	459.24 SF	CLASSROOM	15	30.62
T&V CLASSROOM	480.25 SF	CLASSROOM	15	32.02
T&V MECHANICAL	1219.37 SF	MECHANICAL	300	4.06
T&V OFFICES	485.35 SF	BUSINESS	100	4.85
LEVEL 1: 109				2,182.09

OCCUPANT LOAD CALCULATIONS				
Name	Area	Occupancy Group	O.L.F.	Area Occupants
LEVEL 2				
A CONTROL	560.83 SF	BUSINESS	100	5.61
M CLASSROOMS	1699.32 SF	CLASSROOM	20	84.97
M EXAM SUITE	1949.12 SF	BUSINESS	100	19.49
M LIBRARY	1123.01 SF	LIBRARY	100	11.23
M OFFICE	528.65 SF	BUSINESS	100	5.29
M OFFICE SUITE	1598.39 SF	BUSINESS	100	15.98
M PATIENT RMS	7104.58 SF	SLEEPING AREA	120	59.20
N BLOCK, UPPER	1535.77 SF	SLEEPING AREA	120	12.80
N BLOCK, UPPER	1540.26 SF	SLEEPING AREA	120	12.84
N BLOCK, UPPER	1524.65 SF	SLEEPING AREA	120	12.71
N BLOCK, UPPER	1499.86 SF	SLEEPING AREA	120	12.50
N BLOCK, UPPER	1544.30 SF	SLEEPING AREA	120	12.87
N BLOCK, UPPER	1538.40 SF	SLEEPING AREA	120	12.82
N BLOCK, UPPER	1102.80 SF	SLEEPING AREA	120	9.19
N CONF. RM	218.22 SF	ASSEMBLY	15	14.55
N FAN RM	867.78 SF	MECHANICAL	300	2.89
N FAN RM	1007.97 SF	MECHANICAL	300	3.36
N FAN RM	827.31 SF	MECHANICAL	300	2.76
N FAN RM	1000.62 SF	MECHANICAL	300	3.34
PH CONF. RM	304.23 SF	ASSEMBLY	15	20.28
PH MECHANICAL	458.92 SF	MECHANICAL	300	1.53
PH PHARMACY	1488.48 SF	PHARMACY	50	28.77
PH STORAGE	510.46 SF	STORAGE	300	1.70
PH STORAGE	1011.93 SF	STORAGE	300	3.37
PH STORAGE	210.41 SF	STORAGE	300	0.70
R&S BLOCK, UPPER	2486.73 SF	SLEEPING AREA	120	20.81
R&S BLOCK, UPPER	2435.18 SF	SLEEPING AREA	120	20.29
R&S MECH.	340.25 SF	MECHANICAL	300	1.13
R&S MECH.	255.33 SF	MECHANICAL	300	0.85
R&S MULTI-PURPOSE	208.44 SF	ASSEMBLY	15	13.90
R&S MULTI-PURPOSE	209.67 SF	ASSEMBLY	15	13.98
R&S OFFICE	198.87 SF	BUSINESS	100	1.99
R&S OFFICE	255.53 SF	BUSINESS	100	2.56
SNU BLOCK, LOWER	4605.89 SF	SLEEPING AREA	120	38.38
SNU BLOCK, LOWER	4622.97 SF	SLEEPING AREA	120	38.52
SNU CONF. RM	449.38 SF	ASSEMBLY	15	29.97
SNU CONF. RM	311.04 SF	ASSEMBLY	15	20.74
SNU CONF. RM	182.64 SF	ASSEMBLY	15	12.18
SNU CONTROL	1707.59 SF	BUSINESS	100	17.08
SNU ELEC.	667.25 SF	MECHANICAL	300	2.22
SNU EXERCISE	1335.89 SF	EXERCISE	50	26.72
SNU INPATIENT	3075.47 SF	INPATIENT TREATMENT	240	12.81
SNU INPATIENT	6318.76 SF	INPATIENT TREATMENT	240	26.33
SNU INPATIENT	3104.58 SF	INPATIENT TREATMENT	240	12.94
SNU MAINT.	316.73 SF	MECHANICAL	300	1.06
SNU MAINT.	280.26 SF	MECHANICAL	300	0.93
SNU MULTI-PURPOSE	218.35 SF	ASSEMBLY	15	14.56
SNU NURSE	1021.98 SF	BUSINESS	100	10.22
SNU OFFICE	928.43 SF	BUSINESS	100	9.28
SNU OFFICE	350.60 SF	BUSINESS	100	3.51
SNU OFFICE	180.83 SF	BUSINESS	100	1.81
SNU OFFICE	178.83 SF	BUSINESS	100	1.77
SNU OFFICE	332.90 SF	BUSINESS	100	3.33
SNU OFFICE	210.79 SF	BUSINESS	100	2.11
SNU STORAGE	147.10 SF	STORAGE	300	0.49
SNU STORAGE	152.04 SF	STORAGE	300	0.51
SNU STORAGE	468.85 SF	STORAGE	300	1.56
SNU STORAGE	773.01 SF	STORAGE	300	2.58
SNU STORAGE	102.20 SF	STORAGE	300	0.34
SNU STORAGE	147.95 SF	STORAGE	300	0.49
T&V BLOCK, UPPER	2810.13 SF	SLEEPING AREA	120	21.75
T&V BLOCK, UPPER	2591.09 SF	SLEEPING AREA	120	21.59
T&V STORAGE	698.78 SF	STORAGE	300	2.33
LEVEL 2: 63				785.33

OCCUPANT LOAD CALCULATIONS				
Name	Area	Occupancy Group	O.L.F.	Area Occupants
LEVEL 3 OCCUPANCY PLAN				
SNU BLOCK, UPPER	1007.03 SF	SLEEPING AREA	120	8.39
SNU BLOCK, UPPER	997.04 SF	SLEEPING AREA	120	8.31
SNU CONF. RM	170.83 SF	ASSEMBLY	15	11.39
SNU CONF. RM	170.67 SF	ASSEMBLY	15	11.38
SNU CONF. RM	180.91 SF	ASSEMBLY	15	12.06
SNU INPATIENT	8738.06 SF	INPATIENT TREATMENT	240	36.41
SNU MECH.	678.01 SF	MECHANICAL	300	2.26
SNU MECH.	1739.84 SF	MECHANICAL	300	5.80
SNU MECH.	1547.63 SF	MECHANICAL	300	5.16
SNU MULTI-PURPOSE	316.73 SF	ASSEMBLY	15	21.12
SNU MULTI-PURPOSE	323.95 SF	ASSEMBLY	15	21.60
SNU MULTI-PURPOSE	1450.03 SF	ASSEMBLY	15	96.67
SNU MULTI-PURPOSE	311.04 SF	ASSEMBLY	20	15.55
SNU OFFICE	255.62 SF	BUSINESS	100	2.56
SNU OFFICE	400.89 SF	BUSINESS	100	4.01
SNU OFFICE	391.14 SF	BUSINESS	100	3.91
SNU OFFICE	262.98 SF	BUSINESS	100	2.63
SNU OFFICE	970.01 SF	BUSINESS	100	9.70
SNU STORAGE	147.10 SF	STORAGE	300	0.49
SNU STORAGE	152.04 SF	STORAGE	300	0.51
SNU STORAGE	548.87 SF	STORAGE	300	1.83
SNU STORAGE	1036.73 SF	STORAGE	300	3.46
LEVEL 3 OCCUPANCY PLAN: 22				285.18
Total Occupants				3,477.47

APPLICABLE CODE INFORMATION

The project shall comply with the following codes:

2015 International Building Code, including State of Iowa amendments.
 2015 International Mechanical Code
 2015 International Fire Code
 2023 National Electrical Code
 2015 Uniform Plumbing Code and the Iowa State Plumbing Code
 Iowa State Energy Code, 2015 International Energy Conservation Code
 Accessibility - Division 7 of Iowa State Building Code, Iowa State Accessibility Code, 2015 IBC and ANSI A117.1 - 2009 Edition

Building Characteristics

Project description: Project involves the update to the existing fire alarm system in multiple buildings on the facility campus. No other modifications to the buildings configuration to be done.
 Building Area: Varies (see below)
 Building Height: Varies (see below)
 Number of Stories: Varies (see below)
 Fully Sprinkled: Yes - Equipped with fully automated sprinkler system
 Fire Alarm: Yes - Project specific to update fire alarm system throughout the building

IC Chapter 3 - Use and Occupancy Classification

Occupancy Group: I-3, S-2 (Nonseparated occupancy use)

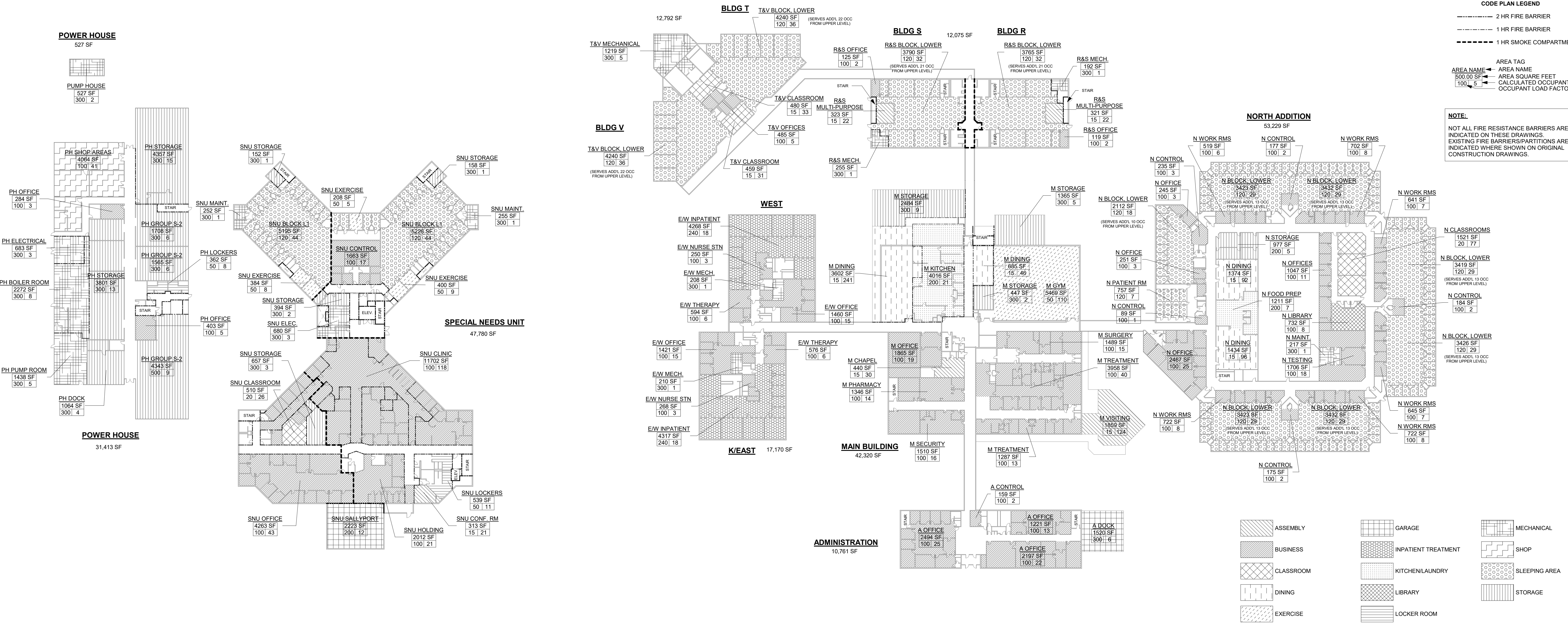
CODE PLAN LEGEND

- 2 HR FIRE BARRIER
- 1 HR FIRE BARRIER
- 1 HR SMOKE COMPARTMENT

AREA TAG

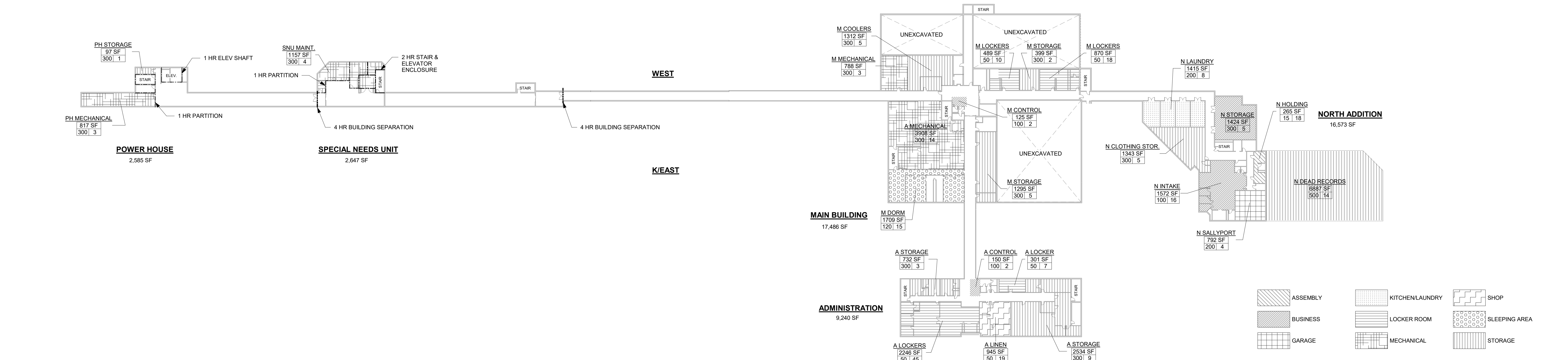
AREA NAME
AREA SQUARE FEET
CALCULATED OCCUPANTS
OCCUPANT LOAD FACTOR

NOTE:
NOT ALL FIRE RESISTANCE BARRIERS ARE INDICATED ON THESE DRAWINGS. EXISTING FIRE BARRIERS/PARTITIONS ARE INDICATED WHERE SHOWN ON ORIGINAL CONSTRUCTION DRAWINGS.



[Pattern]	ASSEMBLY	[Pattern]	GARAGE	[Pattern]	MECHANICAL
[Pattern]	BUSINESS	[Pattern]	INPATIENT TREATMENT	[Pattern]	SHOP
[Pattern]	CLASSROOM	[Pattern]	KITCHEN/LAUNDRY	[Pattern]	SLEEPING AREA
[Pattern]	DINING	[Pattern]	LIBRARY	[Pattern]	STORAGE
[Pattern]	EXERCISE	[Pattern]	LOCKER ROOM		

2 LEVEL 1 OCCUPANCY PLAN
1" = 40'-0"



[Pattern]	ASSEMBLY	[Pattern]	KITCHEN/LAUNDRY	[Pattern]	SHOP
[Pattern]	BUSINESS	[Pattern]	LOCKER ROOM	[Pattern]	SLEEPING AREA
[Pattern]	GARAGE	[Pattern]	MECHANICAL	[Pattern]	STORAGE

1 BASEMENT OCCUPANCY PLAN
1" = 40'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52241

Project No: 9445.00
Date: 07/31/2025
100% CD

Revision	Date

Drawing Name:
LIFE SAFETY AND CODE SUMMARY

Drawing #:
G002

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PROJECT SUMMARY

- PROVIDE NEW FULLY FUNCTIONAL AND CODE COMPLIANT FIRE ALARM SYSTEM.
- AN EXISTING SIEMENS APOGEE FIRE DETECTION AND ALARM SYSTEM IS CURRENTLY INSTALLED INSIDE THE FACILITY. THE GOAL FOR THIS PROJECT IS A COMPLETE SYSTEM REPLACEMENT, THAT SHALL INCLUDE BUT NOT BE LIMITED TO: CONTROL PANELS, REMOTE ANNUNCIATOR PANELS, POWER SUPPLIES, BATTERIES, AND FIELD DEVICES.
- INSTALL NEW DEVICES IN LOCATION OF EXISTING. REUSE EXISTING CABLING AND EXTEND AS NECESSARY FOR NEW DEVICES. NEW DEVICES WILL REQUIRE NEW WIRING AND CONDUIT FOR EXTENSION OF THE SYSTEM. EXISTING DETECTION DETECTION CIRCUITS HAVE 16/2 CONDUCTORS. EXISTING SPEAKER WIRE IS 16/2 CONDUCTORS AND STROBE CONDUCTORS ARE 12/2.
- EXISTING PULL STATION COVERS SHALL BE REMOVED AND REUSED.
- THE ORIGINAL INSTALLATION WAS A COMPLETE FIRE ALARM AND DETENTION CONTROLS SOLUTION FROM SIEMENS. THE SIEMENS CABINETS AND FIELD WIRING ARE BEING UTILIZED TO SERVE THIS SYSTEM.
- THE EXISTING FIRE DETECTION AND ALARM CONTROL PANELS AND NODES ARE LOCATED IN THE FOLLOWING AREAS:
 PANEL 1 - MAIN PANEL
 PANEL 2 - ANNUNCIATOR IN MASTER CONTROL ON WALL
 PANEL 3 - ANNUNCIATOR IN MASTER CONTROL ON CONSOLE NEXT TO CC OPERATOR
 PANEL 4 - ANNUNCIATOR IN LOBBY BY MAIN DOORS
 PANEL 5 - ADMIN PANEL
 PANEL 6 - NORTH ADDITION
 PANEL 7 - RSTV
 PANEL 8 - SNU BUILDING
 PANEL 9 - POWERHOUSE
 PANEL 10 - PRE-ACTION PANEL IN POWERHOUSE
- ALL CONTROL PANELS AND NODES ARE CONNECTED TOGETHER THROUGH THE USE OF MULTIMODE OM2 FIBER OPTIC CABLING. THIS PROJECT SHALL REUSE THIS INFRASTRUCTURE. INSTALL FINAL CONNECTION TO THE NEW FIRE ALARM CONTROL PANELS AND NODES.
- FIRE ALARM ITEMS AND DEVICES ARE SHOWN IN SUGGESTED LOCATIONS. FINAL LAYOUTS, LOCATIONS, AND QUANTITIES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS. COORDINATE LOCATIONS WITH LIGHTING AND AIR HANDLING SYSTEMS.
- ALL FIRE ALARM CIRCUITRY SHALL BE IN CONDUIT. EXPOSED CABLING SHALL NOT BE ACCEPTED. ALL EXISTING CABLING IS INSTALLED IN CONDUIT AND ALL NEW CABLING SHALL BE INSTALLED TO MATCH EXISTING CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS PER SPECIFICATION.
- DEVICES SHALL BE WHITE UNLESS OTHERWISE NOTED.
- EXISTING FIRE ALARM SYSTEM SHUTS DOWN ALL MECHANICAL UNITS IN THE BUILDING. THIS IS NOT REQUIRED PER NFPA 90A, NFPA 72, AND IFC. REVISE EXISTING WIRING AND PROGRAMMING SUCH THAT ONLY THE LOCAL DUCT DETECTORS SHUTDOWN THE LOCAL HVAC EQUIPMENT TO MATCH NFPA 90A AND IFC REQUIREMENTS.
- FIRE WATCH WILL BE REQUIRED DURING CONSTRUCTION. THE FIRE WATCH WILL BE PROVIDED BY THE OWNER.
- CONTRACTOR SHALL PROVIDE ADDRESS OF EACH DEVICE ON THE AS-BUILT DRAWINGS.
- LABEL EACH FIRE ALARM DEVICE WITH ADDRESS ON DEVICE LABEL TO INCLUDE THE FOLLOWING: "ROOM #", "DEVICE TYPE", "ADDRESS #"

PHASING AND SEQUENCING

- THE CONTRACTOR SHALL COORDINATE THE EXACT DATE WITH OWNER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY SHUTDOWN. NEW FIRE ALARM SYSTEM SHALL BE INSTALLED IN THE FOLLOWING ORDER:
 - MAIN BUILDING - PANEL 1, PANEL 3
 - NORTH BUILDING - PANEL 6
 - ADMIN BUILDING - PANEL 4, PANEL 5
 - R.S.T. AND V UNITS - PANEL 7
 - SNU BUILDING - PANEL 8
 - POWERHOUSE - PANEL 9
 - ALTERNATE #1: WAREHOUSE - PANEL 11
 - ALTERNATE #2: POWERHOUSE PRE-ACTION PANEL - PANEL 10
 - AFTER COMPLETE CHANGE OVER OF SYSTEM, INSTALL PANEL 2 ON WALL IN MASTER CONTROL
- MOUNT CONTROL PANEL(S) AND NODE(S) IN LOCATIONS THAT WILL NOT DISRUPT THE EXISTING SYSTEM. REUSE EXISTING FIBER OPTIC INFRASTRUCTURE TO NETWORK EACH CONTROL PANEL AND/OR FIRE ALARM NODE AHEAD OF TAKING ANY EXISTING COMPONENTS OFFLINE.
- PROVIDE FIBER TESTING TO GUARANTEE CONNECTIVITY PRIOR TO CONNECTING ANY NEW EQUIPMENT.
- PROVIDE NEW REMOTE ANNUNCIATOR PANEL AT MASTER CONTROL DESK.
- METHODICALLY, AND IN CLOSE COORDINATION WITH THE CORRECTIONAL FACILITY, ROUTE NEW FIELD WIRING TO ANTICIPATED DEVICE LOCATIONS. TAKE NO MORE THAN ONE EXISTING SIGNAL LINE CIRCUIT OFFLINE AT ANY ONE TIME TO ENSURE A GRACEFUL MIGRATION OCCURS FROM THE EXISTING SYSTEM TO THE NEW.
- BIDDING CONTRACTOR IS ENCOURAGED TO RE-USE EXISTING PATHWAYS AND BOXES WHERE IT IS APPROPRIATE. PROVIDE NEW PENETRATIONS AND SLEEVES WHERE NECESSARY FOR DEVICE INSTALLATION.
- INTERFACE NEW DEVICES WITH NEW AND/OR EXISTING MECHANICAL EQUIPMENT FOR FAN SHUT DOWN, SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER PURPOSES.
- EXISTING 120V CIRCUITS USED FOR THE EXISTING FIRE ALARM PANELS SHALL BE EXTENDED TO NEW FIRE ALARM PANELS. WINNING BIDDER IS ALSO RESPONSIBLE TO PROVIDE NEW 120V CIRCUITS TO NAC PANELS AND AMPLIFIER PANELS REQUIRED FOR THE NEW SYSTEM.

ALTERNATES

- THE CONTRACTOR SHALL PROVIDE PRICING FOR ADDED ALTERNATES
- FIRE ALARM SYSTEM PROVIDED AND INSTALLED IN THE WAREHOUSE BUILDING.
 - REPLACEMENT OF THE EXISTING PRE-ACTION FIRE PROTECTION SYSTEM IN THE POWERHOUSE.

UNIT PRICING

- THE CONTRACTOR SHALL PROVIDE PRICING FOR ADDITIONAL, OR REDUCED DEVICES FOR THE FIRE ALARM SYSTEM. PRICING PROVIDED ASSUMES 100' OF NEW CABLING INSTALLED IN 1/2" CONDUIT TO NEW LOCATION. PROVIDE PRICING FOR THE FOLLOWING DEVICES:
- SMOKE DETECTOR
 - DUCT DETECTOR
 - STROBE - WALL MOUNTED
 - STROBE - CEILING MOUNTED
 - SPEAKER STROBE - WALL MOUNTED
 - SPEAKER STROBE - CEILING MOUNTED
 - PULL STATION
 - MONITOR MODULE

CODES OF JURISDICTION:

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2020 NATIONAL ELECTRIC CODE

EXCERPT FROM INTERNATIONAL FIRE CODE CHAPTER 11:

1103.7 FIRE ALARM SYSTEMS
 AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED IN EXISTING BUILDINGS AND STRUCTURES IN ACCORDANCE WITH SECTIONS 1103.7.1 THROUGH 1103.7.7 AND PROVIDE OCCUPANT NOTIFICATION IN ACCORDANCE WITH SECTION 907.5 UNLESS OTHER REQUIREMENTS ARE PROVIDED BY OTHER SECTIONS OF THIS CODE.

1103.7.4 GROUP I-3
 AN AUTOMATIC AND MANUAL FIRE ALARM SYSTEM SHALL BE INSTALLED IN EXISTING GROUP I-3 OCCUPANCIES IN ACCORDANCE WITH SECTION 907.2.6.3.

EXCERPT FROM INTERNATIONAL FIRE CODE CHAPTER 9:

907.2.2 GROUP B
 A MANUAL FIRE ALARM SYSTEM SHALL BE INSTALLED IN GROUP B OCCUPANCIES WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:
 1. THE COMBINED GROUP B OCCUPANT LOAD OF ALL FLOORS IS 500 OR MORE.
 2. THE GROUP B OCCUPANT LOAD IS MORE THAN 100 PERSONS ABOVE OR BELOW THE LOWEST LEVEL OF EXIT DISCHARGE.
 3. THE FIRE AREA CONTAINS AN AMBULATORY CARE FACILITY.
 EXCEPTION: MANUAL FIRE ALARM BOXES ARE NOT REQUIRED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 AND THE OCCUPANT NOTIFICATION APPLIANCES WILL ACTIVATE THROUGHOUT THE NOTIFICATION ZONES UPON SPRINKLER WATER FLOW.

907.2.6 GROUP I
 A MANUAL FIRE ALARM SYSTEM THAT ACTIVATES THE OCCUPANT NOTIFICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5 SHALL BE INSTALLED IN GROUP I OCCUPANCIES. AN AUTOMATIC SMOKE DETECTION SYSTEM THAT ACTIVATES THE OCCUPANT NOTIFICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5 SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.2.6.1, 907.2.6.2 AND 908.2.6.3.3.

907.2.6.3 GROUP I-3 OCCUPANCIES
 GROUP I-3 OCCUPANCIES SHALL BE EQUIPPED WITH A MANUAL FIRE ALARM SYSTEM AND AUTOMATIC SMOKE DETECTION SYSTEM INSTALLED FOR ALERTING STAFF.

907.2.6.3.1 SYSTEM INITIATION
 ACTUATION OF AN AUTOMATIC FIRE-EXTINGUISHING SYSTEM, AUTOMATIC SPRINKLER SYSTEM, A MANUAL FIRE ALARM BOX OR A FIRE DETECTOR SHALL INITIATE AN APPROVED FIRE ALARM SIGNAL THAT AUTOMATICALLY NOTIFIES STAFF.

907.2.6.3.2 MANUAL FIRE ALARM BOXES
 MANUAL FIRE ALARM BOXES ARE NOT REQUIRED TO BE LOCATED IN ACCORDANCE WITH SECTION 907.4.2 WHERE THE FIRE ALARM BOXES ARE PROVIDED AT STAFF-ATTENDED LOCATIONS HAVING DIRECT SUPERVISION OVER AREAS WHERE MANUAL FIRE ALARM BOXES HAVE BEEN OMITTED.

907.2.6.3.2.1 MANUAL FIRE ALARM BOXES IN DETAINEE AREAS
 MANUAL FIRE ALARM BOXES ARE ALLOWED TO BE LOCKED IN AREAS OCCUPIED BY DETAINEES, PROVIDED THAT STAFF MEMBERS ARE PRESENT WITHIN THE SUBJECT AREA AND HAVE KEYS READILY AVAILABLE TO OPERATE THE MANUAL FIRE ALARM BOXES.

907.2.6.3.3 AUTOMATIC SMOKE DETECTION SYSTEM
 AN AUTOMATIC SMOKE DETECTION SYSTEM SHALL BE INSTALLED THROUGHOUT RESIDENT HOUSING AREAS, INCLUDING SLEEPING UNITS AND CONTIGUOUS DAY ROOMS, GROUP ACTIVITY SPACES AND OTHER COMMON SPACES NORMALLY OPEN TO RESIDENTS.

EXCEPTIONS:
 1. OTHER APPROVED SMOKE DETECTION ARRANGEMENTS PROVIDING EQUIVALENT PROTECTION, INCLUDING, BUT NOT LIMITED TO, PLACING DETECTORS IN EXHAUST DUCTS FROM CELLS OR BEHIND PROTECTIVE GUARDS LISTED FOR THE PURPOSE, ARE ALLOWED WHERE NECESSARY TO PREVENT DAMAGE OR TAMPERING.

ELECTRICAL ABBREVIATIONS

A	DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION)	NIC	NOT IN CONTRACT
AF	ABOVE FINISHED FLOOR	NM	NONMETALLIC
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
CB	CEILING	OC	ON CENTER
CT	CIRCUIT BREAKER	OF	OWNER FURNISHED CONTRACTOR INSTALLED
CT	CURRENT TRANSFORMER	OFOI	OWNER FURNISHED CONTRACTOR INSTALLED
E	EXISTING ITEM TO REMAIN	OR	OWNER INSTALLED
EC	ELECTRICAL CONTRACTOR	R	RELOCATED
EM	EMERGENCY LIGHT FIXTURE	RR	EXISTING ITEM TO BE REMOVED AND RELOCATED
ER	NEW LOCATION OF EXISTING ITEM	RN	EXISTING ITEM TO BE REMOVED AND REPLACED WITH NEW
F	IN FUTURE	SC	SHORT CIRCUIT CURRENT RATING
FAAP	FIRE ALARM ANNUNCIATOR PANEL	T	TAMPER PROOF DEVICE
FACP	FIRE ALARM CONTROL PANEL	TCC	TEMPERATURE CONTROL CONTRACTOR
FS	FIRE SMOKE DAMPER	TYP	TELEVISION
G	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLTS
GND	GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
KVA	KILOVOLT-AMPERES	V	VOLTS
KW	KILOWATTS	VA	VOLT-AMPERES
MC	MECHANICAL CONTRACTOR	WG	WIREGUARD COVER
MCB	MAIN CIRCUIT BREAKER	WP	WEATHERPROOF DEVICE
MDP	MAIN DISTRIBUTION PANEL	WR	WEATHER RESISTANT DEVICE
MLO	MAIN LUGS ONLY	*24"	INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR
N	NEW DEVICE IN EXISTING LOCATION		

DEMOLITION AND RENOVATION NOTES - ELECTRICAL

- ELECTRICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. FIELD VERIFY EXISTING CONDITIONS BEFORE WORK BEGINS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK.
- PROVIDE EQUIPMENT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK PROVIDED UNDER THIS CONTRACT.
- IN OCCUPIED AREAS BEYOND THE DEMOLITION SCOPE, KEEP EXISTING SYSTEMS NOT AFFECTED BY PROJECT SCOPE OPERATIONAL THROUGH THE DURATION OF THE PROJECT. OBTAIN PERMISSION FROM THE CONSTRUCTION MANAGER TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE DEMOLITION AREA. INFORM OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND ENSURE THAT THE SHUTDOWN IS MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
- KEEP EXISTING SYSTEMS OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. DO NOT CUT EXISTING TELECOMMUNICATION WIRING, CABLES OR CONDUIT. CONTRACTORS WHO CUT IN-SERVICE CABLES ARE RESPONSIBLE FOR ALL DOWNTIME AND COSTS TO REPAIR.
- INSTALL BLANK COVER PLATES OVER OPENING AT REMOVED DEVICE LOCATIONS.
- PROVIDE CUTTING AND PATCHING OF EXISTING MATERIALS AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.
- MAINTAIN FULL FUNCTIONAL AND AESTHETIC INTEGRITY OF DEVICES IDENTIFIED TO BE REMOVED AND RELOCATED, AND HANDLE WITH APPROPRIATE CARE TO ALLOW FOR REINSTALLATION. REPLACE DEVICES DAMAGED DURING DEMOLITION WITH NEW AT CONTRACTOR'S EXPENSE.
- EQUIPMENT AND SYSTEM THAT ARE REMOVED REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS NOT SALVAGED BY THE OWNER.
- REMOVE AND REINSTALL CEILING TILES REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO REPLACE CEILING TILES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING.

INSTALLATION NOTES - ELECTRICAL

- BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.
- PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
- CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, CEILINGS, AND PENETRATIONS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS, FLOORS, AND CEILINGS. ASSUME ALL FLOORS AND WALLS ARE 2-HOUR RATED UNLESS OTHERWISE NOTED ON PLANS.
- CONDUIT FOR FIRE ALARM DOES NOT NEED TO BE PAINTED.
- PROVIDE RED LABEL ON FIRE ALARM BOXES.

CODE NOTES - ELECTRICAL

- PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH STATE CODES.
- THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH STATE OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
- PER NEC EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE. CONTRACTOR TO PROVIDE FINAL CIRCUIT IDENTIFICATION FOR ALL NEW AND MODIFIED CIRCUITS AT PROJECT COMPLETION.
- INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG - AMERICANS WITH DISABILITIES ACT.
- EXISTING ELEVATORS AND CONTROLS ARE TO REMAIN. FIRE ALARM INTEGRATION SHALL MATCH EXISTING CONDITIONS. LABEL DEVICES AND COORDINATE FUNCTIONALITY WITH OWNER. LABEL DEVICES NOT PROGRAMMABLE WITH CURRENT ELEVATORS AS "FOR FUTURE USE".

CONTROLS AND EGRESS OF RESIDENCE

- DOORS ARE CONTROLLED BY MASTER CONTROL.
- ADDITIONAL FIRE KEY RING IS PROVIDED AT THE CONTROL CENTER IN EACH UNIT TO PROVIDE EGRESS IN CASE OF EMERGENCY.

SEQUENCE OF OPERATION FOR ALARM

- FIRE ALARM SYSTEM NOTIFIES ALL APPLIANCES AND STAFF OF THE FAULT.
- STAFF IN THE AREA UNDER FAULT, INVESTIGATE THE CONCERN AND REPORT BACK TO MASTER WITH THEIR RADIO SYSTEM.
- MASTER CONTROLS PROVIDES FURTHER INSTRUCTION THROUGH THE PA SYSTEM ON CAMPUS.
- LOCAL CONTROL ROOMS ALSO HAVE REMOTE CONTROL OF THE LOCAL DOORS IN THEIR UNIT.

EXCERPT FROM NFPA 101:

9.6.3.6.3
 WHERE OCCUPANTS ARE INCAPABLE OF EVACUATING THEMSELVES BECAUSE OF AGE, PHYSICAL OR MENTAL DISABILITIES, OR PHYSICAL RESTRAINT, ALL OF THE FOLLOWING SHALL APPLY:
 1. THE PROVIDE OPERATING MODE, AS DESCRIBED IN NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, SHALL BE PERMITTED TO BE USED.
 2. ONLY THE ATTENDANTS AND OTHER PERSONNEL REQUIRED TO EVACUATE OCCUPANTS FROM A ZONE, AREA, FLOOR, OR BUILDING SHALL BE REQUIRED TO BE NOTIFIED.
 3. NOTIFICATION OF PERSONNEL AS SPECIFIED IN 9.6.3.6.3(2) SHALL INCLUDE MEANS TO READILY IDENTIFY THE ZONE, AREA, FLOOR, OR BUILDING IN NEED OF EVACUATION.

9.6.3.6.4
 THE GENERAL EVACUATION SIGNAL SHALL NOT BE REQUIRED IN EXIT STAIR ENCLOSURES

23.3.4.3.1
 OCCUPANT NOTIFICATION SHALL BE ACCOMPLISHED AUTOMATICALLY IN ACCORDANCE WITH 9.6.3, AND THE FOLLOWING ALSO SHALL APPLY:
 1. A POSITIVE ALARM SEQUENCE SHALL BE PERMITTED IN ACCORDANCE WITH 9.6.3.4.
 2. ANY SMOKE DETECTIONS REQUIRED BY THIS CHAPTER SHALL BE PERMITTED TO BE ARRANGED TO ALARM AT A CONSTANTLY ATTENDED LOCATION ONLY AND SHALL NOT BE REQUIRED TO ACCOMPLISH GENERAL OCCUPANT NOTIFICATION.

EXCERPT FROM IBC

- 308.5 INSTITUTIONAL GROUP I-3
- 308.5.1 CONDITION 1: THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS ALLOWED FROM SLEEPING AREAS, AND OTHER SPACES WHERE ACCESS OR OCCUPANCY IS PERMITTED, TO THE EXTERIOR VIA MEANS OF EGRESS WITHOUT RESTRAINT. A CONDITION 1 FACILITY IS PERMITTED TO BE CONSTRUCTED AS GROUP R.
- 308.5.2 CONDITION 2: THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS ALLOWED FROM SLEEPING AREAS AND ANY OTHER OCCUPIED SMOKE COMPARTMENT TO ONE OR MORE OTHER SMOKE COMPARTMENTS. EGRESS TO THE EXTERIOR IS IMPEDED BY LOCKED EXITS.
- 308.5.3 CONDITION 3: THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS ALLOWED WITHIN INDIVIDUAL SMOKE COMPARTMENTS, SUCH AS WITHIN A RESIDENTIAL UNIT COMPRISED OF INDIVIDUAL SLEEPING UNITS AND GROUP ACTIVITY SPACES, WHERE EGRESS IS IMPEDED BY REMOTE-CONTROLLED RELEASE OF MEANS OF EGRESS FROM SUCH A SMOKE COMPARTMENT TO ANOTHER SMOKE COMPARTMENT.
- 308.5.4 CONDITION 4: THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS RESTRICTED FROM AN OCCUPIED SPACE. REMOTE-CONTROLLED RELEASE IS PROVIDED TO PERMIT MOVEMENT FROM SLEEPING UNITS, ACTIVITY SPACES AND OTHER OCCUPIED AREAS WITHIN THE SMOKE COMPARTMENT TO OTHER SMOKE COMPARTMENTS.
- 308.5.5 CONDITION 5: THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS RESTRICTED FROM AN OCCUPIED SPACE. STAFF-CONTROLLED MANUAL RELEASE IS PROVIDED TO PERMIT MOVEMENT FROM SLEEPING UNITS, ACTIVITY SPACES AND OTHER OCCUPIED AREAS WITHIN THE SMOKE COMPARTMENT TO OTHER SMOKE COMPARTMENTS.

PER DEFINITIONS ABOVE:
R&S AND T&W ARE CONDITION III.
SNU, NORTH, EAST, WEST, MAIN ARE CONDITION V.

TECHNOLOGY RESPONSIBILITY MATRIX

	PROVISION RESPONSIBILITIES DEFINED	OFOI	OFCI	OFOI	OFCI
COMMUNICATIONS - TELECOM SYSTEMS:					
ROUGH-IN, PATHWAYS AND SLEEVES					
COPPER HORIZONTAL CABLING					
FIBER OPTIC CABLING					
SAFETY - FIRE DETECTION AND ALARM:					
ROUGH-IN, PATHWAYS AND SLEEVES					
INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)					
NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)					
MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)					

- OFOI OWNER FURNISHED & OWNER INSTALLED
- OFCI OWNER FURNISHED & CONTRACTOR INSTALLED
- OFCI CONTRACTOR FURNISHED & CONTRACTOR INSTALLED
- OFCI CONTRACTOR FURNISHED & OWNER INSTALLED

GENERAL NOTE:

A. MATRIX IS NOT INTENDED TO BE EXHAUSTIVE TO COVER ALL MATERIALS NECESSARY FOR SCOPE AND SHOULD ONLY BE USED TO QUICKLY IDENTIFY SYSTEMS AND RELATED INFRASTRUCTURE INSIDE AND OUTSIDE THE BID OF THIS PROJECT. ANY ITEMS FURNISHED OR INSTALLED BY THE BIDDING CONTRACTOR SHALL COVER ALL REQUIRED APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. THIS SHALL INCLUDE BUT NOT BE LIMITED TO, EQUIPMENT, ACCESSORIES, TERMINATIONS, TERMINATION COMPONENTS, ALL FINAL CORDAGE CONNECTIVITY, SOFTWARE, PROGRAMMING, AND THE LABOR TO INSTALL.

ACCESS CONTROL SYMBOLS

- BR BIOMETRIC READER, +44" OR AS NOTED
- CR PROXIMITY CARD READER, +44" OR AS NOTED
- CP COMBINATION PROXIMITY CARD READER WITH PINPAD, +44" OR AS NOTED
- DP DOOR POSITION SWITCH - FLUSH MOUNTED, DOUBLE POLE DOUBLE THROW (DPDT)
- DZ DOOR POSITION SWITCH - SURFACE MOUNTED, DOUBLE POLE DOUBLE THROW (DPDT)
- RX1 REQUEST TO EXIT - PUSHBUTTON
- RX2 REQUEST TO EXIT - MOTION DETECTOR, MOUNTED ABOVE DOOR FRAME
- E1 ELECTRIC STRIKE - FLUSH MOUNTED
- E2 ELECTRIC STRIKE - SURFACE MOUNTED
- LT1 ELECTRIC STRIKE MORTISE LOCK
- EL ELECTRIFIED EXIT DEVICE (PANIC HARDWARE)
- ML MAGNETIC LOCK
- MLDE MAGNETIC LOCK WITH DELAYED EGRESS
- AD AUTOMATIC DOOR OPERATOR - WALL MOUNTED +48", OR AS NOTED
- KS KEYSWITCH
- AL AUXILIARY ALARM DEVICE
- PR EMERGENCY PUSHBUTTON
- ACP# ACCESS CONTROL PANEL - T.C. TO PROVIDE SINGLE DATA PORT FOR CONNECTIVITY
- VI VIDEO INTERCOM STATION
- KB KNOX BOX
- KXS KNOX KEYSWITCH
- LA LOCAL ALARM ANNUNCIATOR

DEVICES TO BE RECESSED IN WALL AT ALL LOCATIONS WHERE POSSIBLE

CEILING TYPE LEGEND

- 2' X 2' SUSPENDED ACOUSTICAL CEILING TILE
- 2' X 4' SUSPENDED ACOUSTICAL CEILING TILE
- SUSPENDED GYPSUM BOARD CEILING
- CEILINGS NOT NOTED OR SHOWN ARE OPEN TO STRUCTURE AND/OR CONCRETE

GENERAL SYMBOLS

- JUNCTION BOX, CEILING OR FLOOR MOUNTED.
- JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.
- KEYNOTE
- EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE SHEET REFERENCE
- SECTION CUT REFERENCE TAG. SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
- INTERIOR ELEVATION DRAWING REFERENCE TAG

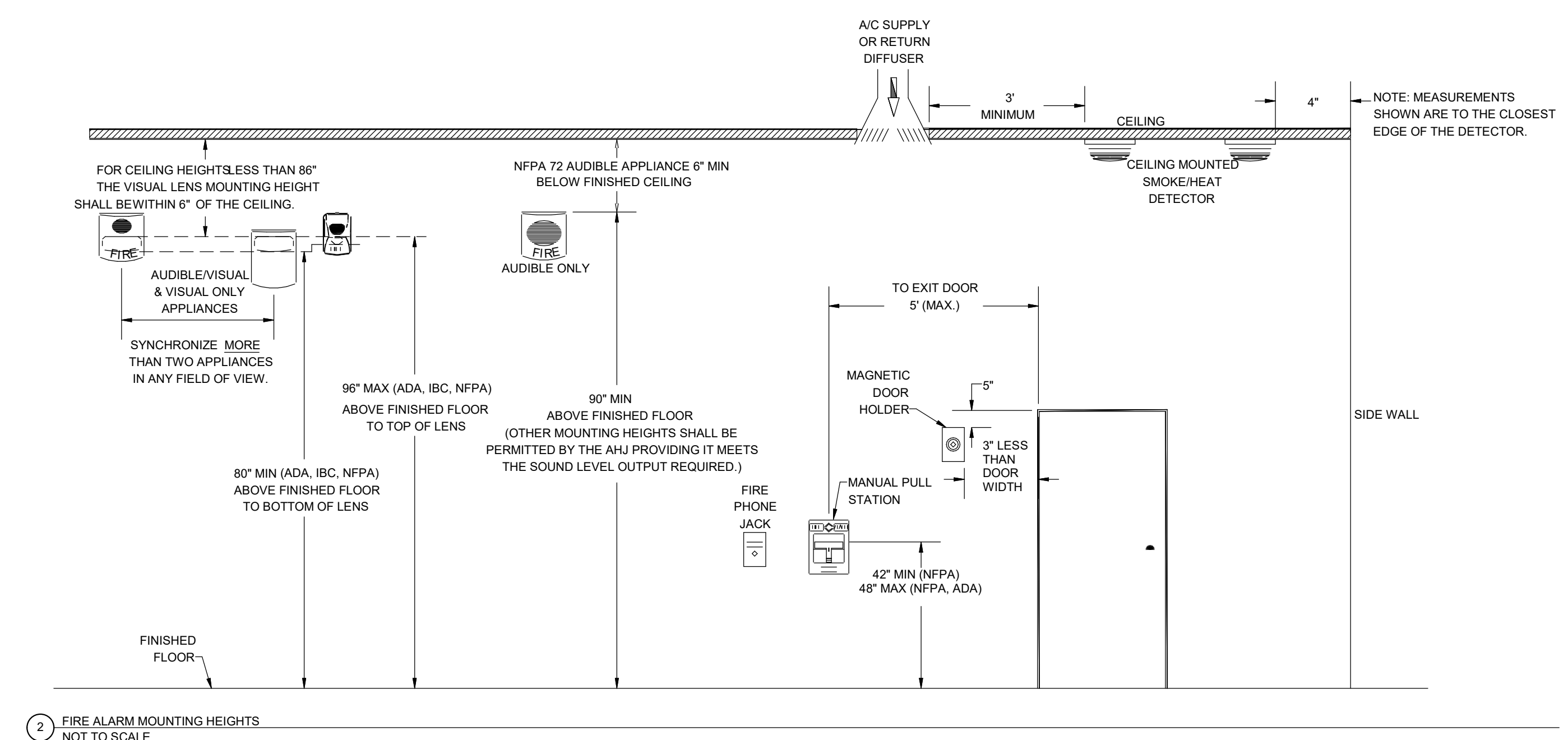
FIRE DETECTION AND ALARM SYMBOLS

- MANUAL FIRE ALARM PULL STATION
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM CONTROL PANEL + EMERGENCY COMMUNICATIONS PANEL
- CARBON MONOXIDE DETECTOR
- COMBINATION CARBON MONOXIDE / SMOKE DETECTOR
- HEAT DETECTOR
- SMOKE DETECTOR
- SMOKE DETECTOR WITH 520HZ SOUNDER BASE
- DUCT SMOKE DETECTOR - PROVIDE OUTPUT MODULE AND FOR SHUTDOWN OF UNIT
- HORN
- COMBINATION HORN WITH STROBE
- COMBINATION SPEAKER WITH STROBE
- STROBE
- SPEAKER
- FIRE FIGHTER TELEPHONE STATION
- MAGNETIC DOOR HOLD - PROVIDE WITH OUTPUT MODULE FOR FIRE ALARM INTEGRATION
- EXISTING SMOKE DAMPER
- EXISTING COMBINATION FIRE/SMOKE DAMPER
- ADDRESSABLE INPUT MODULE; FS - SPRINKLER WATER FLOW SWITCH, TS - TAMPER SWITCH, PIV - POST INDICATOR VALVE
- ADDRESSABLE OUTPUT MODULE; SD - FAN SHUT DOWN RELAY, AM - AUDIO MUTE

POWER SYMBOLS

- DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
- EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED. REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
- SAFETY DISCONNECT SWITCH
- PANELBOARD - SURFACE MOUNTED

NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT



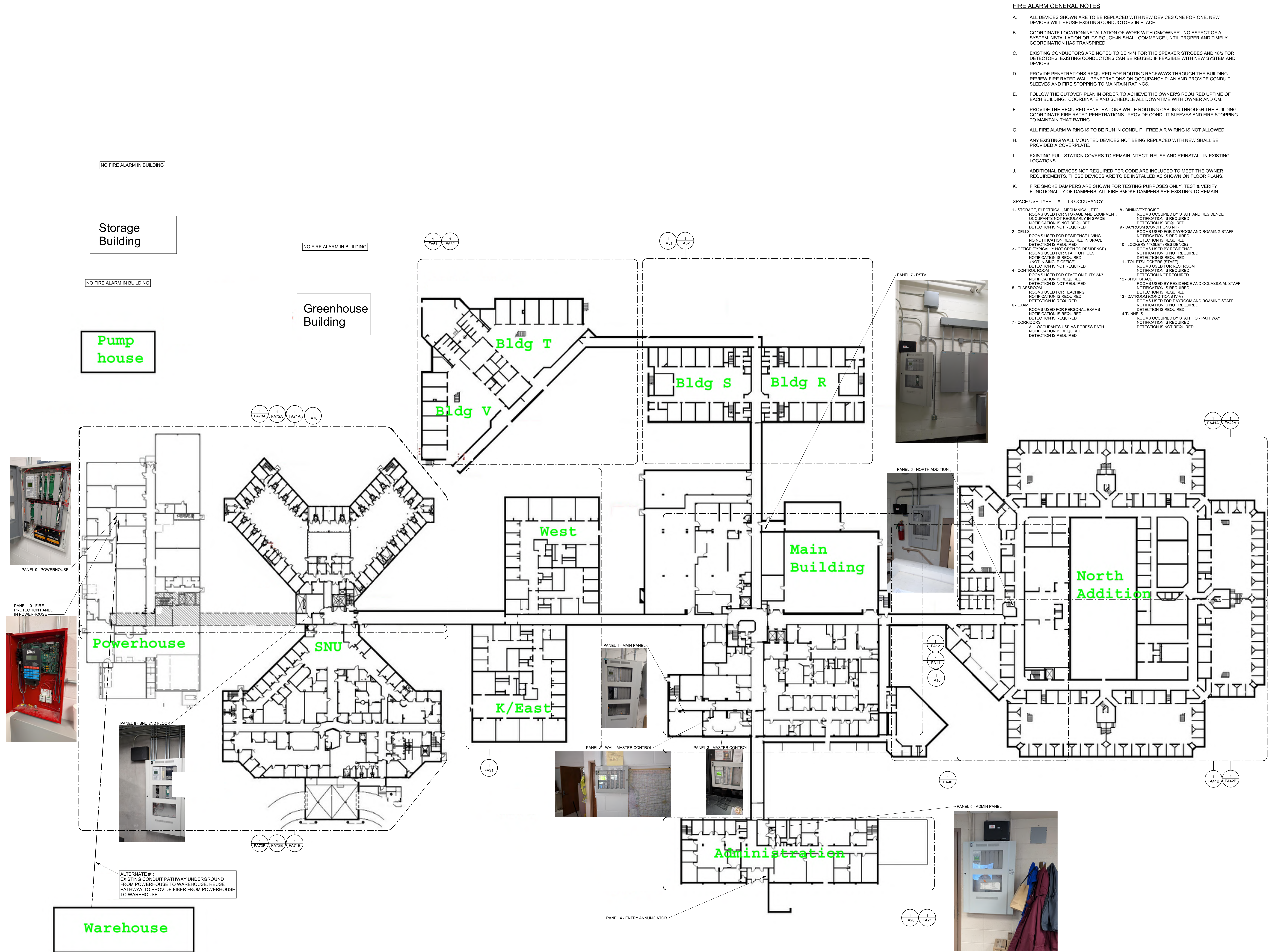
2 FIRE ALARM MOUNTING HEIGHTS NOT TO SCALE

FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CMO/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE # - I-3 OCCUPANCY

1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS I-III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	10 - LOCKERS (TOILET (RESIDENCE)). ROOMS USED BY RESIDENCE. NOTIFICATION IS REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	11 - TOILET (LOCKERS (STAFF)). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	13 - DAYROOM (CONDITIONS IV-VI). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.



DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00
Date: 07/31/2025
100% CD

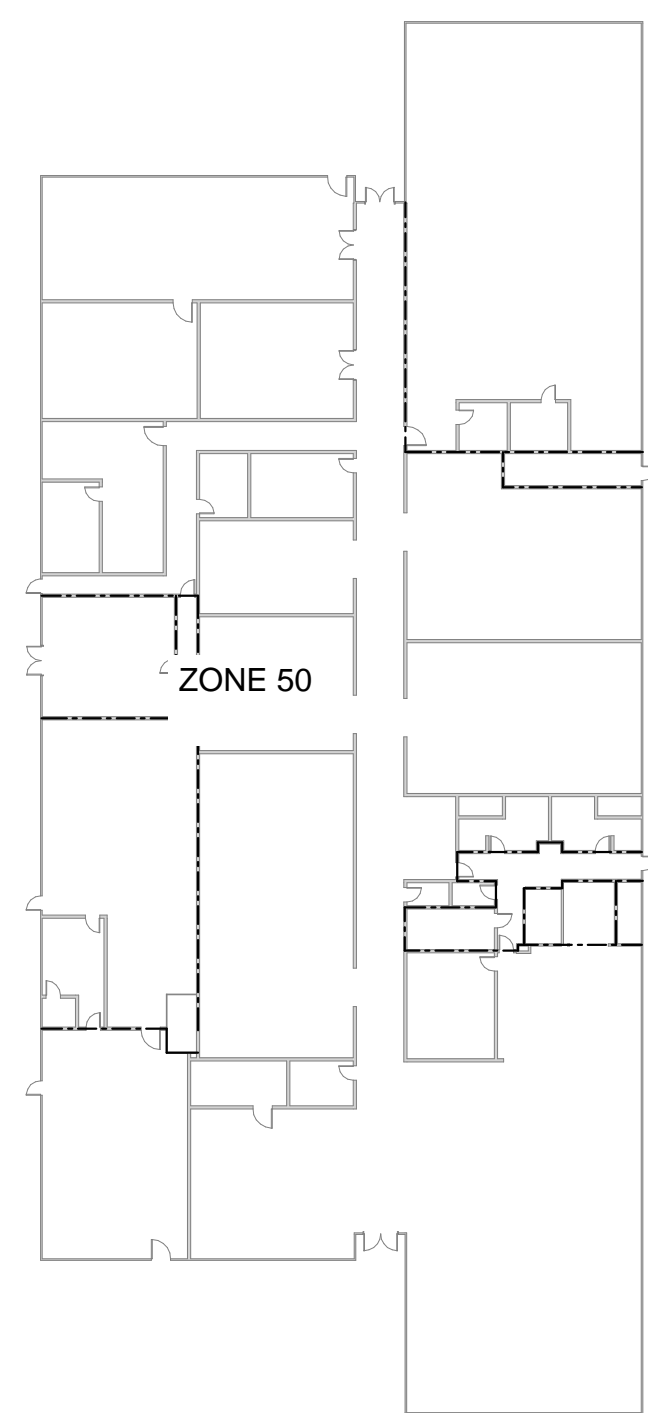
#	Revision	Date

Drawing Name:
FACILITY MAP

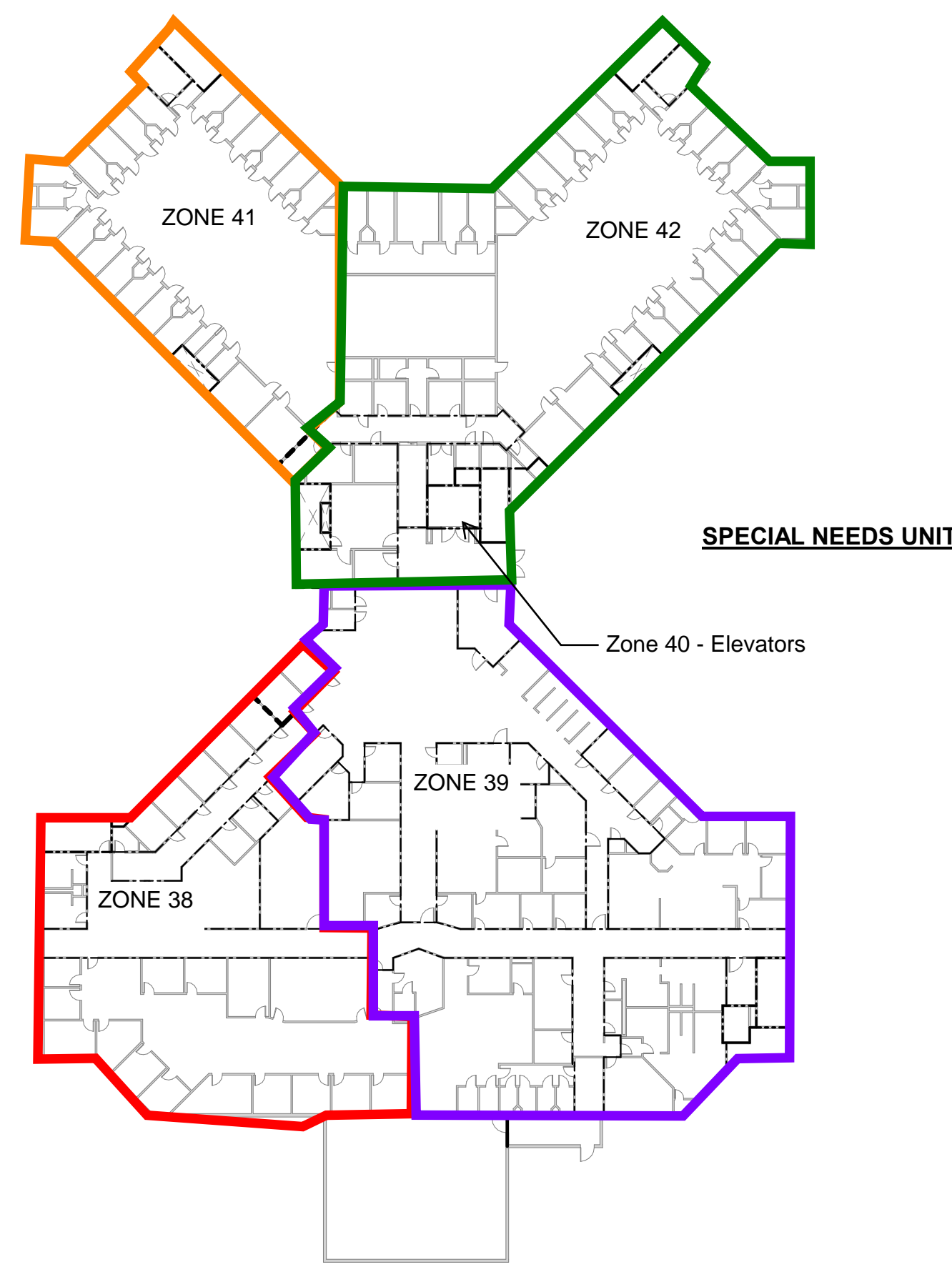
Drawing #:
FA01

GENERAL NOTES:
1. ZONES AND LOCATIONS PROVIDED BY OWNER. VERIFY ACCURACY WITH EXISTING PROGRAMMING AND WIRING.
2. PROVIDE NEW ZONES WITH AS-BUILT DOCUMENTATION. INCLUDE FIRE ALARM DEVICE LOCATIONS AND ADDRESSES.

POWER HOUSE



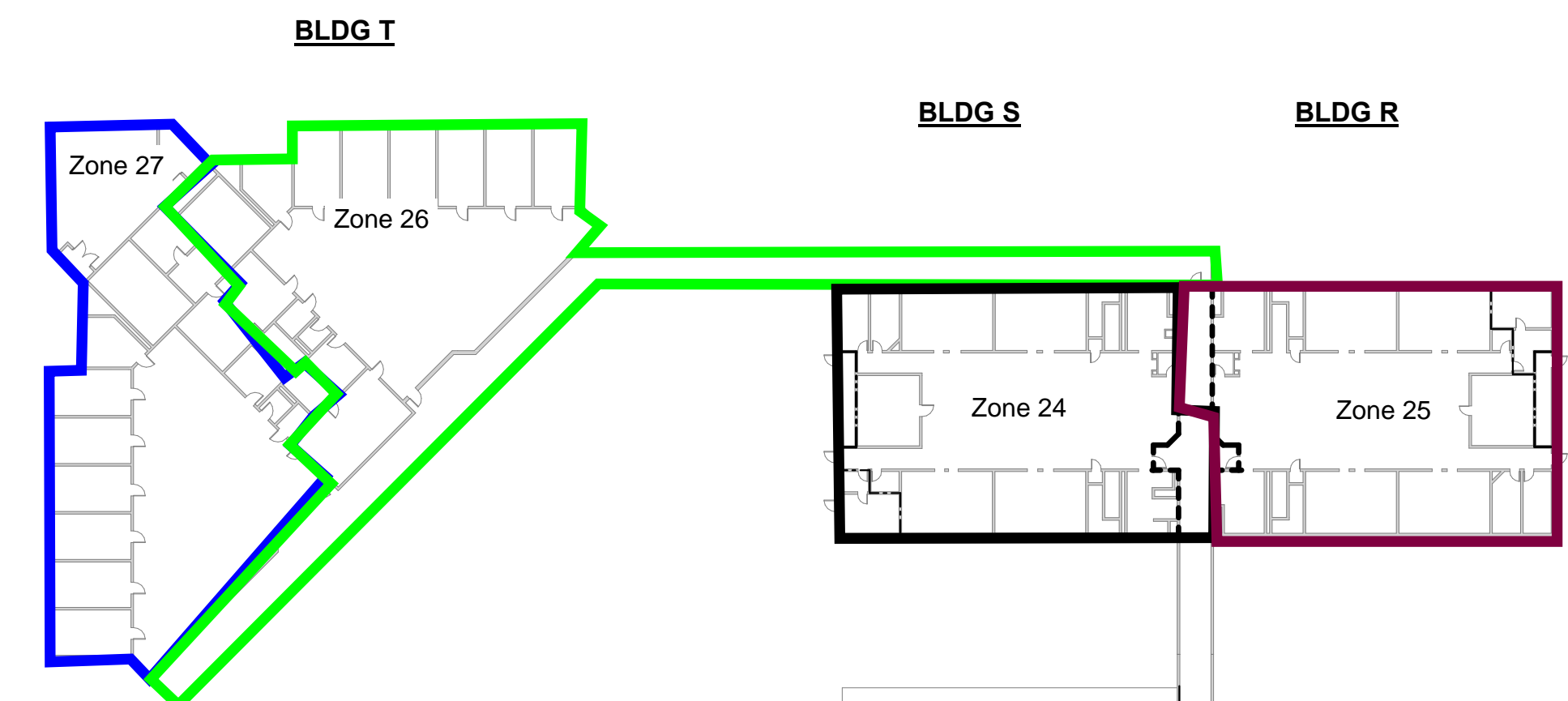
POWER HOUSE



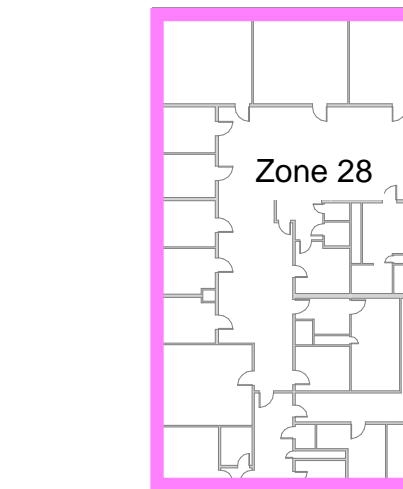
SPECIAL NEEDS UNIT

Zone 40 - Elevators

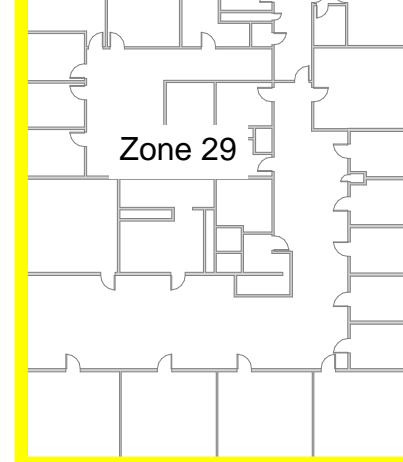
BLDG V



WEST



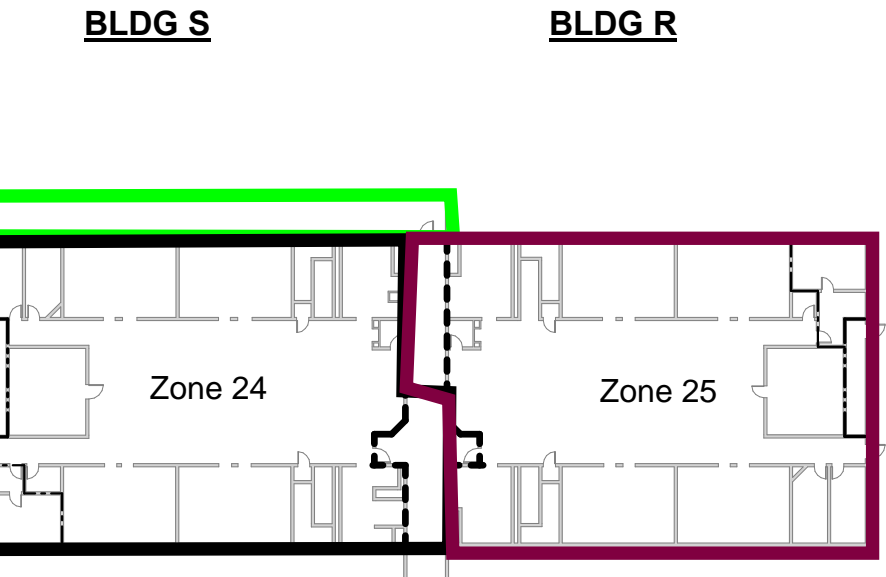
Zone 28



K/EAST

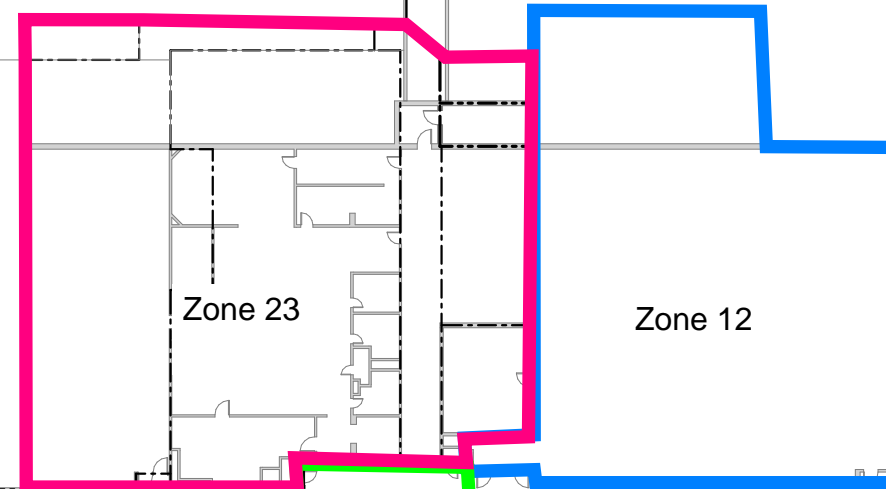
MAIN BUILDING

ADMINISTRATION



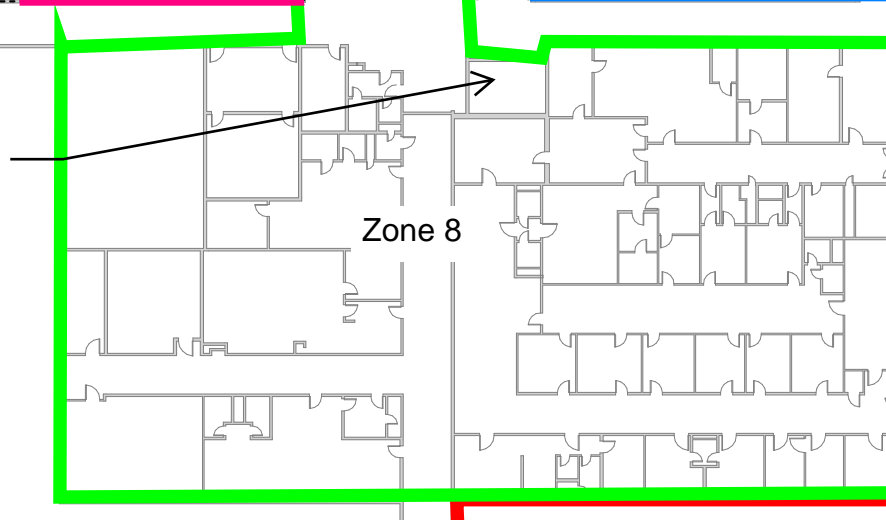
BLDG S

BLDG R



Zone 23

Zone 12



Zone 8

Zone 8

Zone 9

PENTHOUSE
MAIN BUILDING
IS ZONE 10

NORTH ADDITION



Zone 16

Zone 15

Zone 17

Zone 19

Zone 20

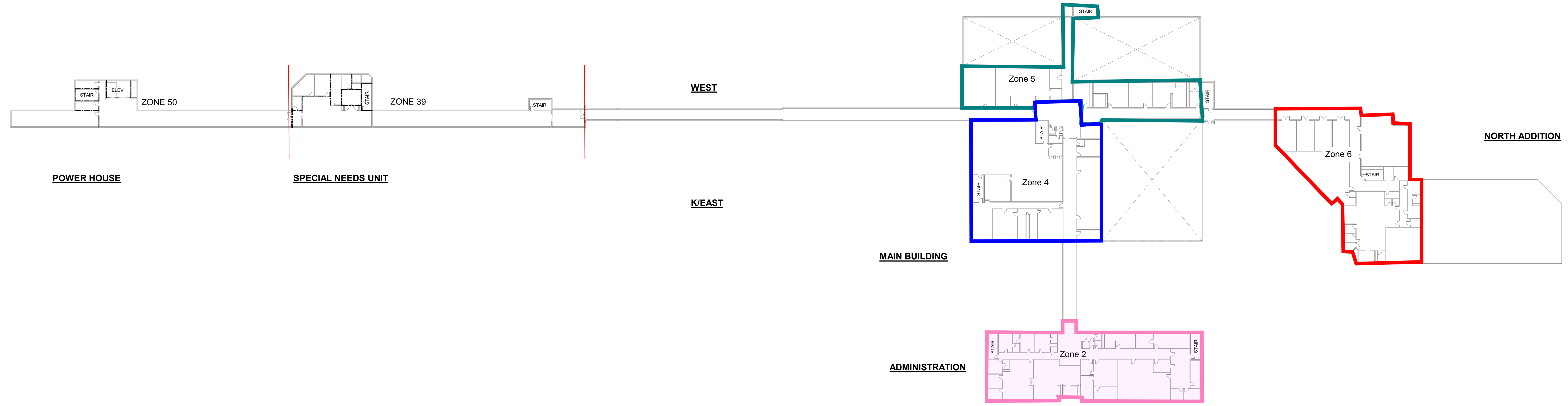
Zone 14

Zone 13

Zone 11

Zone 12

2 LEVEL 1 OCCUPANCY PLAN
1" = 40'-0"



POWER HOUSE

SPECIAL NEEDS UNIT

WEST

K/EAST

MAIN BUILDING

ADMINISTRATION

Zone 5

Zone 4

Zone 6

NORTH ADDITION

1 BASEMENT OCCUPANCY PLAN
1" = 40'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52241

Project No: 9445.00

Date: 07/31/2025

100% CD

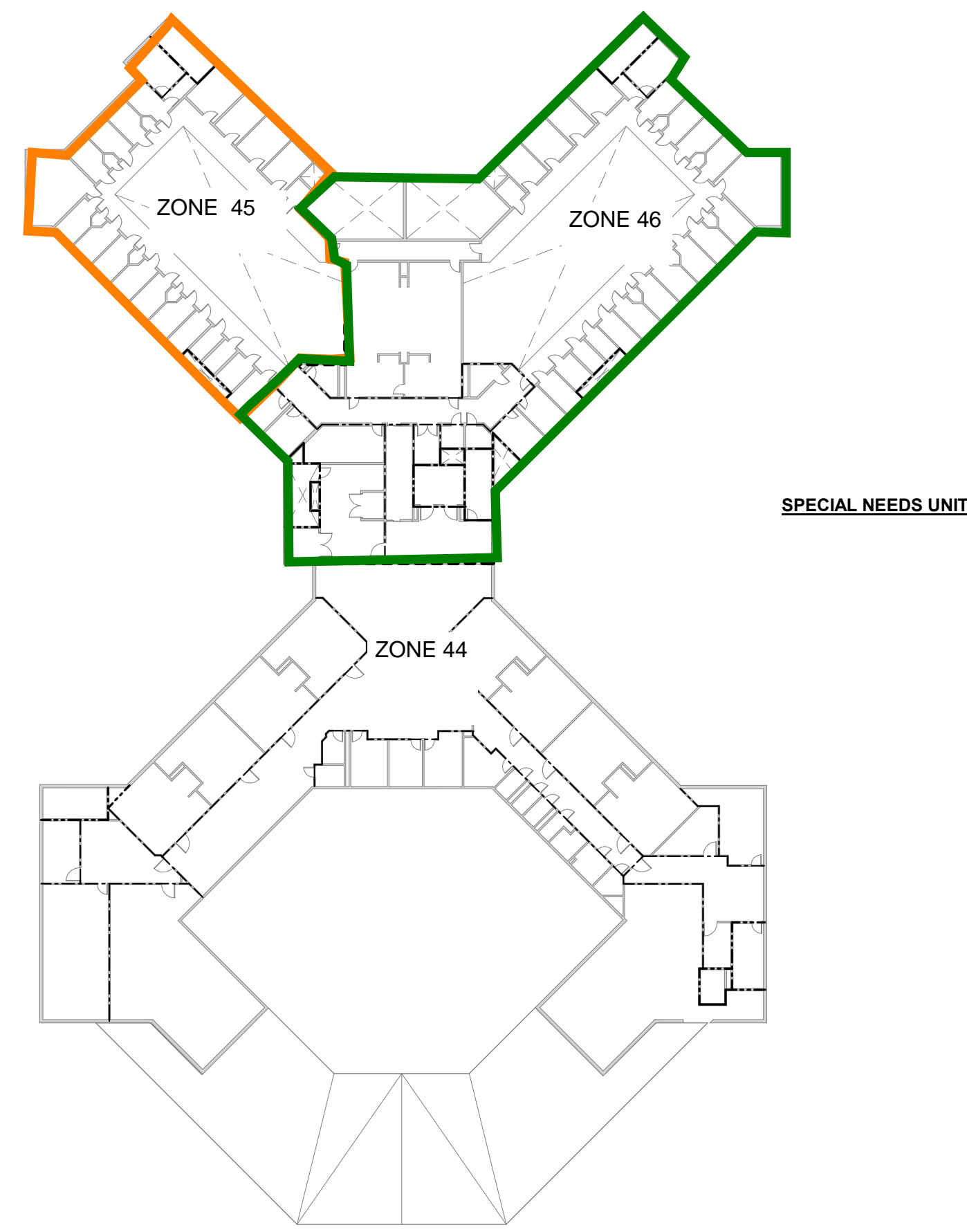
Revision	Date

Drawing Name:
FIRE ALARM ZONES

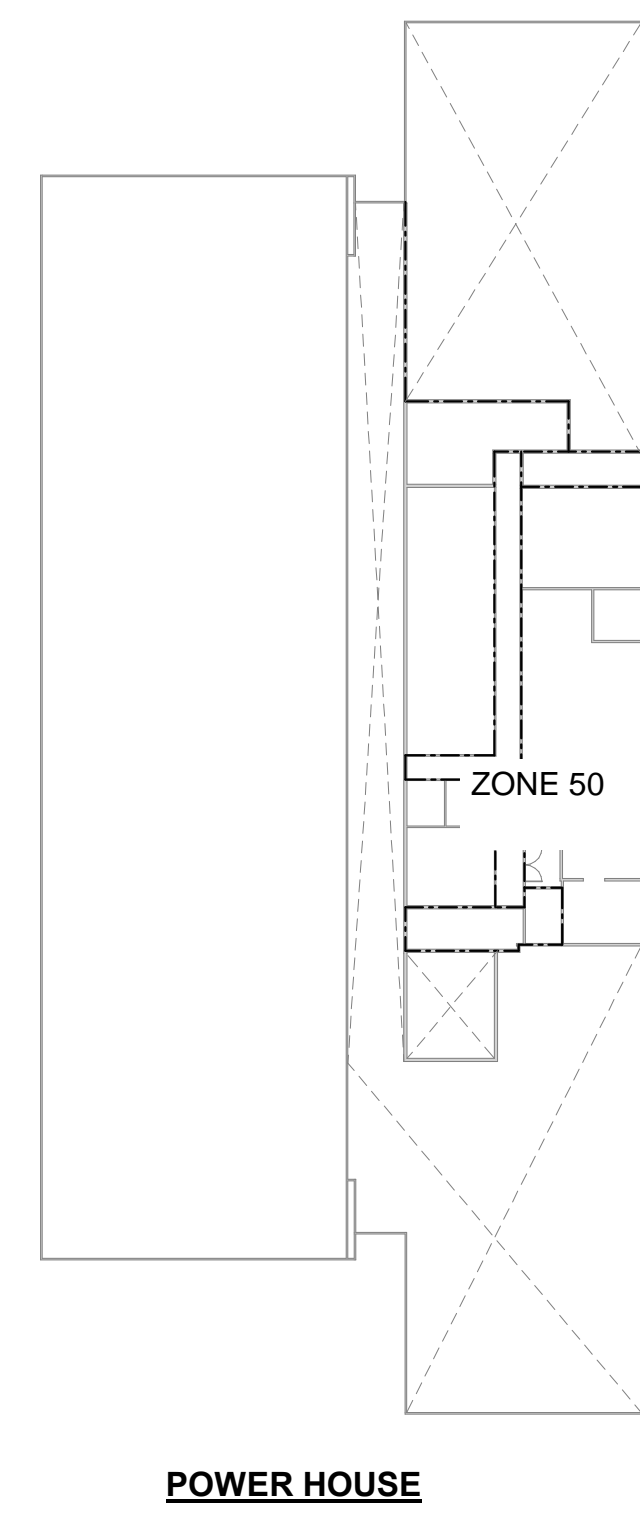
Drawing #:

FA02

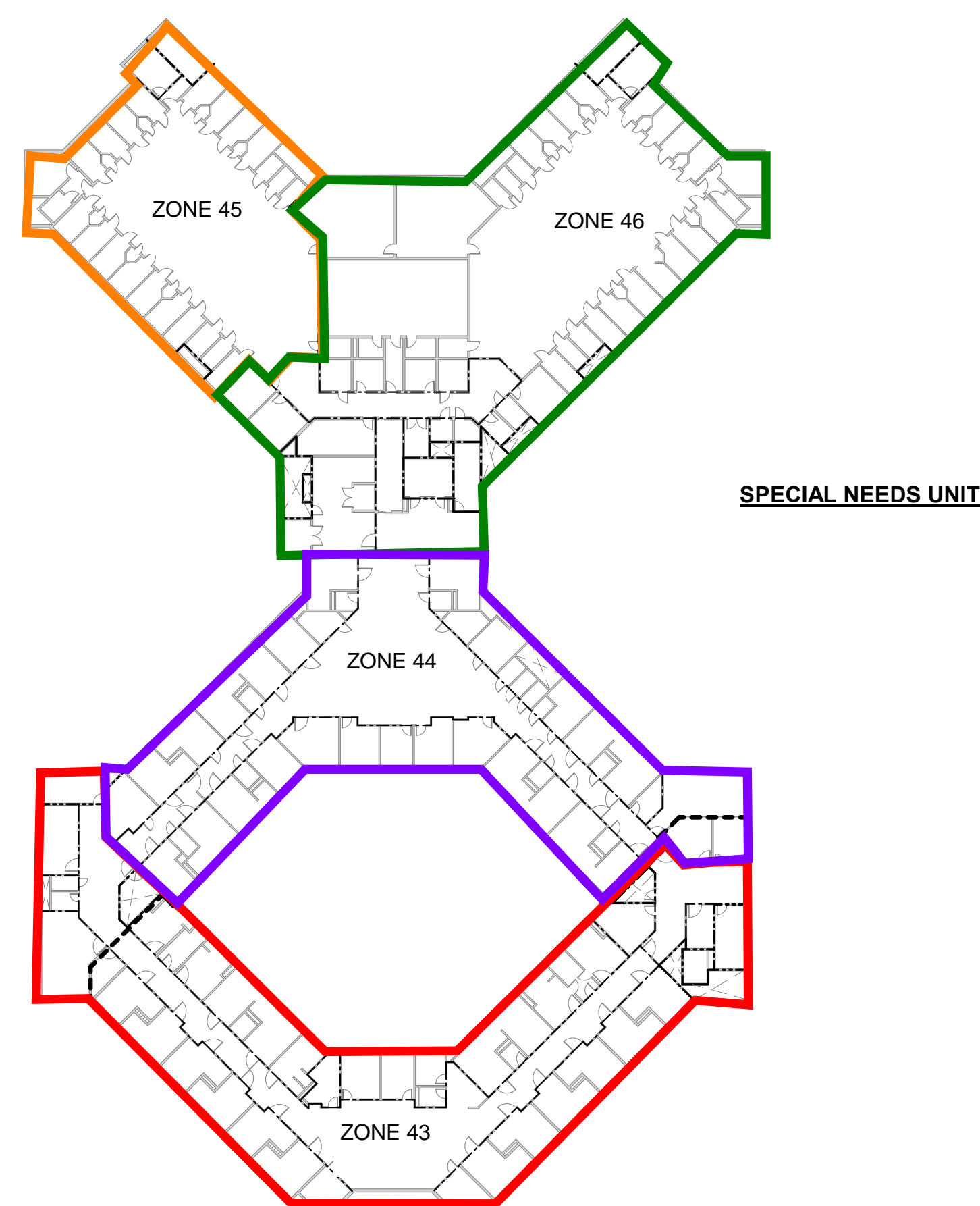
GENERAL NOTES:
 1. ZONES AND LOCATIONS PROVIDED BY OWNER. VERIFY ACCURACY WITH EXISTING PROGRAMMING AND WIRING.
 2. PROVIDE NEW ZONES WITH AS-BUILT DOCUMENTATION. INCLUDE FIRE ALARM DEVICE LOCATIONS AND ADDRESSES.



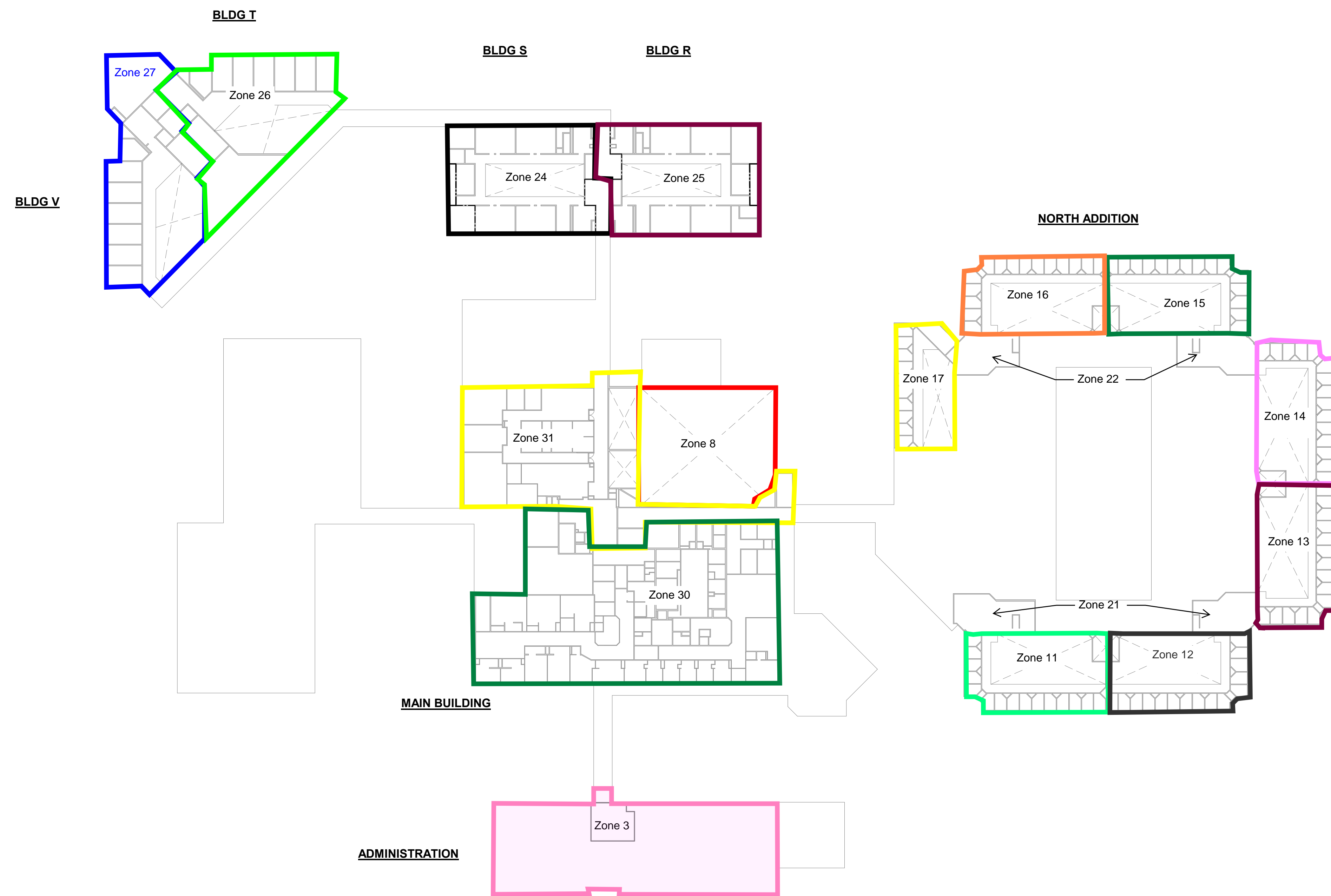
2 LEVEL 3 OCCUPANCY PLAN
 1" = 40'-0"



POWER HOUSE



SPECIAL NEEDS UNIT



1 LEVEL 2 OCCUPANCY PLAN
 1" = 40'-0"

DAS
IMCC FIRE ALARM REPLACEMENT
 2700 Coral Ridge Ave
 Coralville, Iowa 52241

Project No: 9445.00
 Date: 07/31/2025
 100% CD

Revision	Date

Drawing Name:
 FIRE ALARM ZONES

Drawing #:
FA03

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

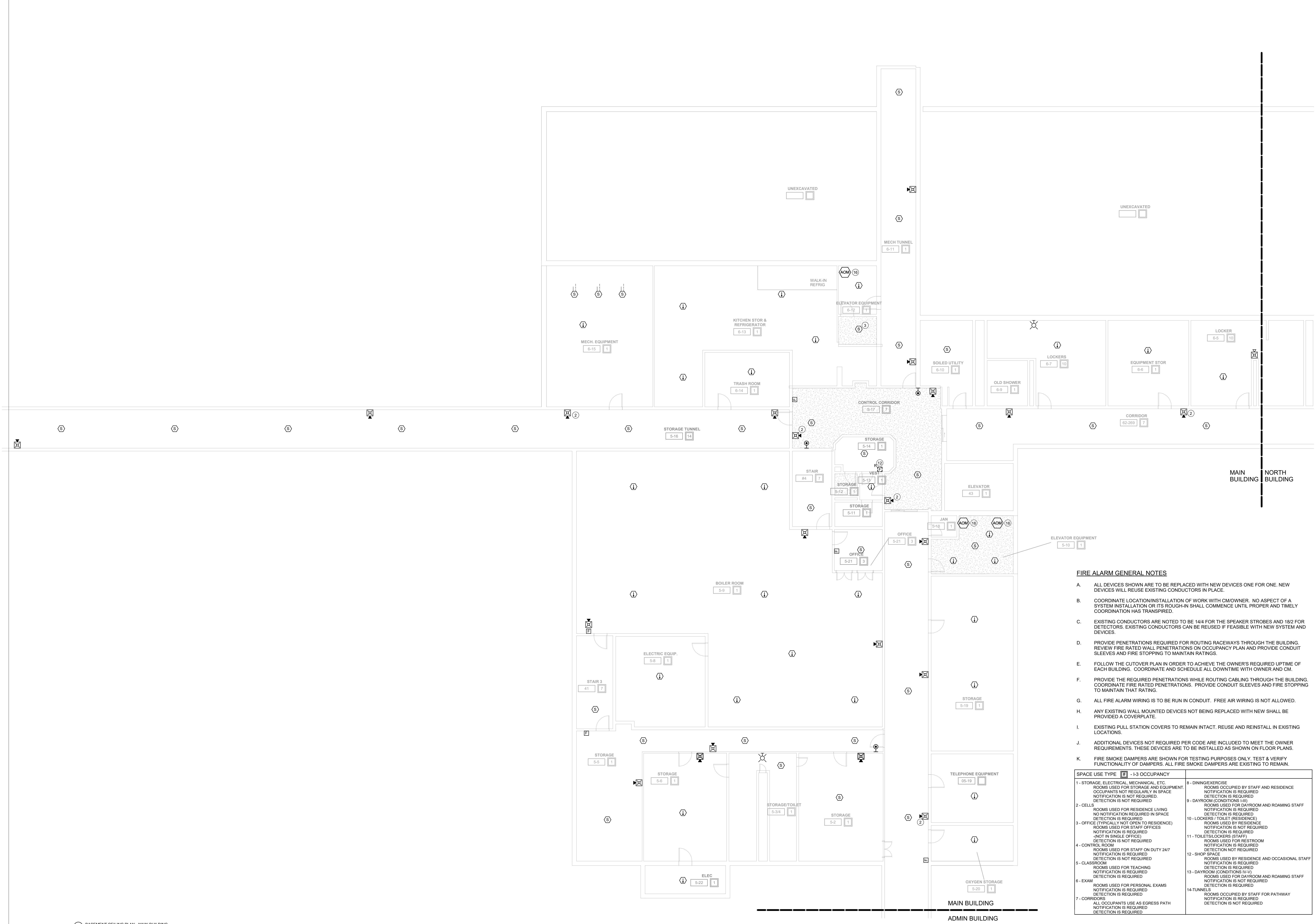
100% CD

Revision Date

Drawing Name:
**MAIN - BASEMENT -
FIRE DETECTION &
ALARM PLANS**

Drawing #:

FA10



FIRE ALARM GENERAL NOTES

- ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE	1-13 OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	11 - TOILET (LOCKERS / STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	13 - DAYROOM (CONDITIONS IV-V). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.

KEYNOTES

- INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- REMOVE EXISTING PULL STATION LOCATION. LOCATION NO LONGER NECESSARY AS SPACE HAS BEEN REVISED TO STORAGE.
- REPLACE EXISTING FIRE ALARM MODULE. COORDINATE ELEVATOR DOWNTIME AND INSTALLATION WITH OWNER/CM. VERIFY RECALL IS FUNCTIONING PROPERLY WITH SMOKE DETECTION UPON INSTALLATION COMPLETION TO MEET CODE REQUIREMENTS. REPLACE WITH PRIMARY RECALL, SECONDARY RECALL, AND FIRE HAT.

1 BASEMENT CEILING PLAN - MAIN BUILDING
1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

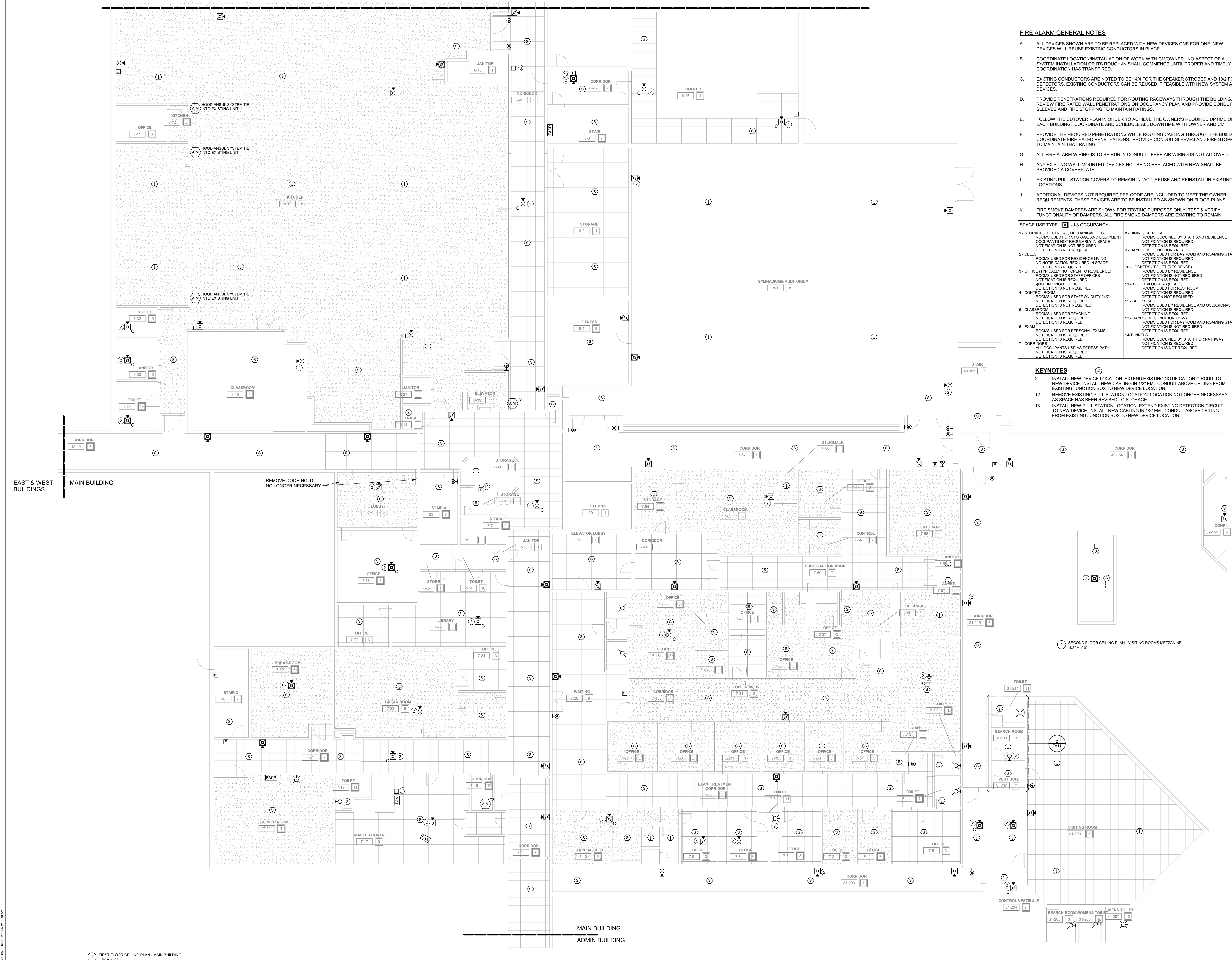
- ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- COORDINATE LOCATION/INSTALLATION OF WORK WITH C/O OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- EXISTING CONDUCTORS ARE NOTED TO BE #14 FOR THE SPEAKER STROBES AND #12 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE [7] - I-3 OCCUPANCY

1 - STORAGE ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE NOTIFICATION IS REQUIRED DETECTION IS NOT REQUIRED.
2 - CELLS ROOMS USED FOR RESIDENCE LIVING NO NOTIFICATION REQUIRED IN SPACE DETECTION IS NOT REQUIRED.	9 - DAYROOM (CONDITIONS I-III) ROOMS USED FOR DAYROOM AND ROAMING STAFF NOTIFICATION IS REQUIRED DETECTION IS NOT REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE) ROOMS USED FOR STAFF OFFICES NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	10 - LOCKERS/TOILET (RESIDENCE) ROOMS USED BY RESIDENCE NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.
4 - CONTROL ROOM ROOMS USED FOR STAFF ON DUTY 24/7 NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.	11 - TOILETS/LOCKERS (STAFF) ROOMS USED FOR RESTROOM NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.
5 - CLASSROOM ROOMS USED FOR TEACHING NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.	12 - SHOP SPACE ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.
6 - EXAM ROOMS USED FOR PERSONAL EXAMS NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.	13 - DAYROOM (CONDITIONS IV-V) ROOMS USED FOR DAYROOM AND ROAMING STAFF NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.
7 - CORRIDORS ALL OCCUPANTS USE AS EGRESS PATH NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.	14 - TUNNELS ROOMS OCCUPIED BY STAFF FOR PATHWAY NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED.

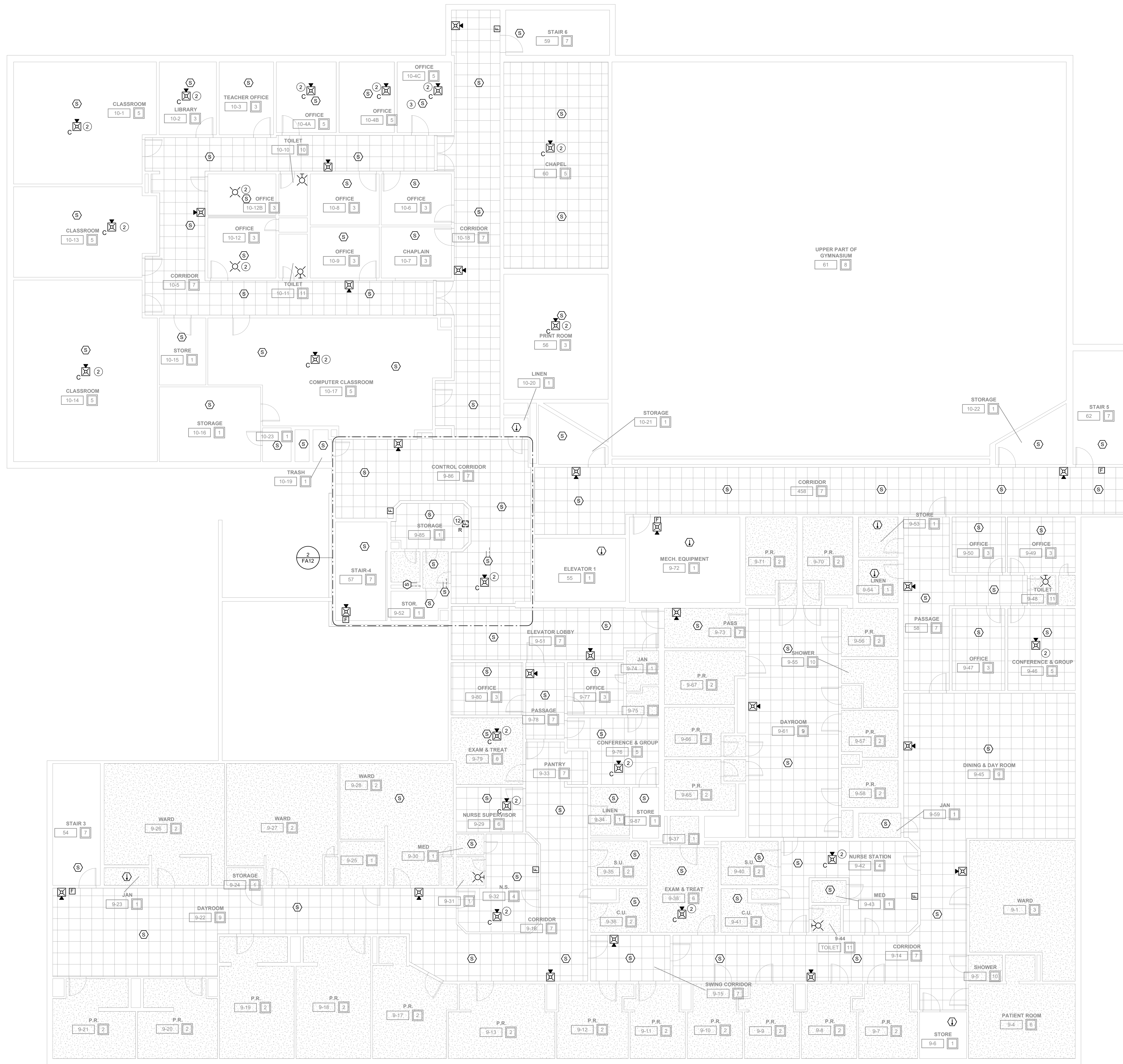
KEYNOTES

- INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- REMOVE EXISTING PULL STATION LOCATION. LOCATION NO LONGER NECESSARY AS SPACE HAS BEEN REVISED TO STORAGE.
- INSTALL NEW PULL STATION LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.



1 FIRST FLOOR CEILING PLAN - MAIN BUILDING
1/8" = 1'-0"

MAIN BUILDING
ADMIN BUILDING



FIRE ALARM GENERAL NOTES

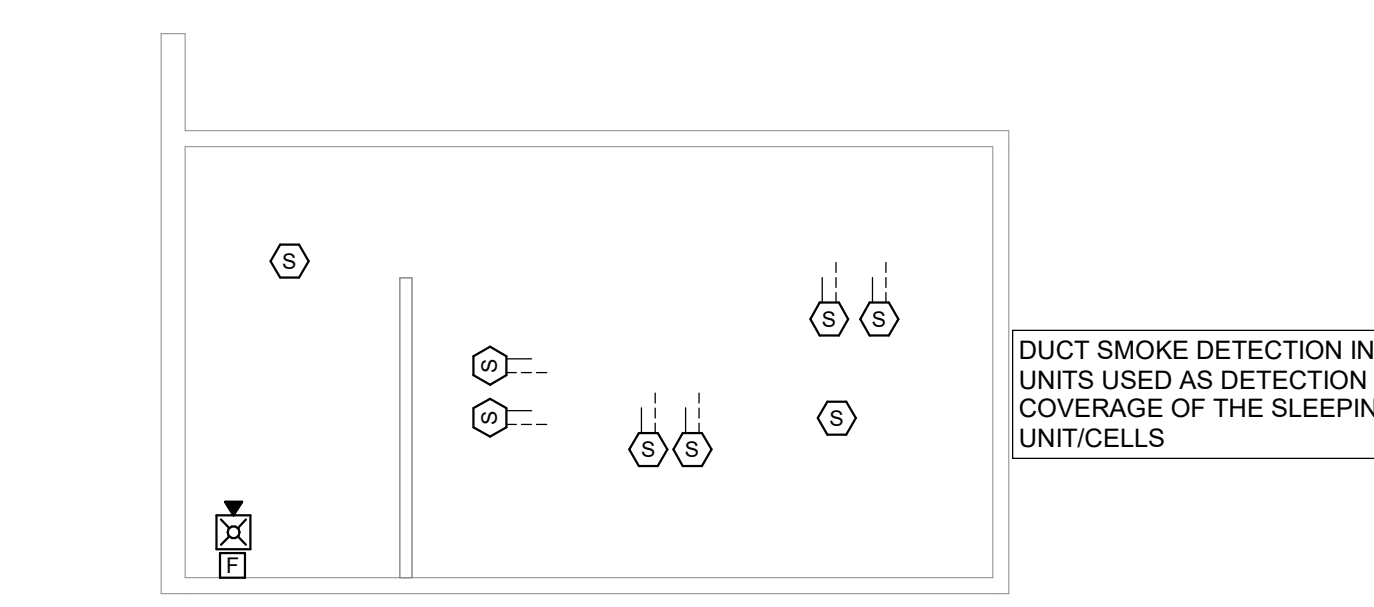
- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 14M FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE (U) - I-3 OCCUPANCY

1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS NOT REQUIRED.	9 - DAYROOM (CONDITIONS III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	11 - TOILETS/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	13 - DAYROOM (CONDITIONS IV-V). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.

KEYNOTES (K)

- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 3 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 12 REMOVE EXISTING PULL STATION LOCATION. LOCATION NO LONGER NECESSARY AS SPACE HAS BEEN REVISED TO STORAGE.



2 PENTHOUSE - MAIN BUILDING
1/8" = 1'-0"

1 SECOND FLOOR CEILING PLAN - MAIN BUILDING
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date
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Drawing Name:
MAIN BUILDING - SECOND FLOOR & PENTHOUSE - FIRE DETECTION & ALARM PLANS

Drawing #:

FA12

FIRE ALARM GENERAL NOTES

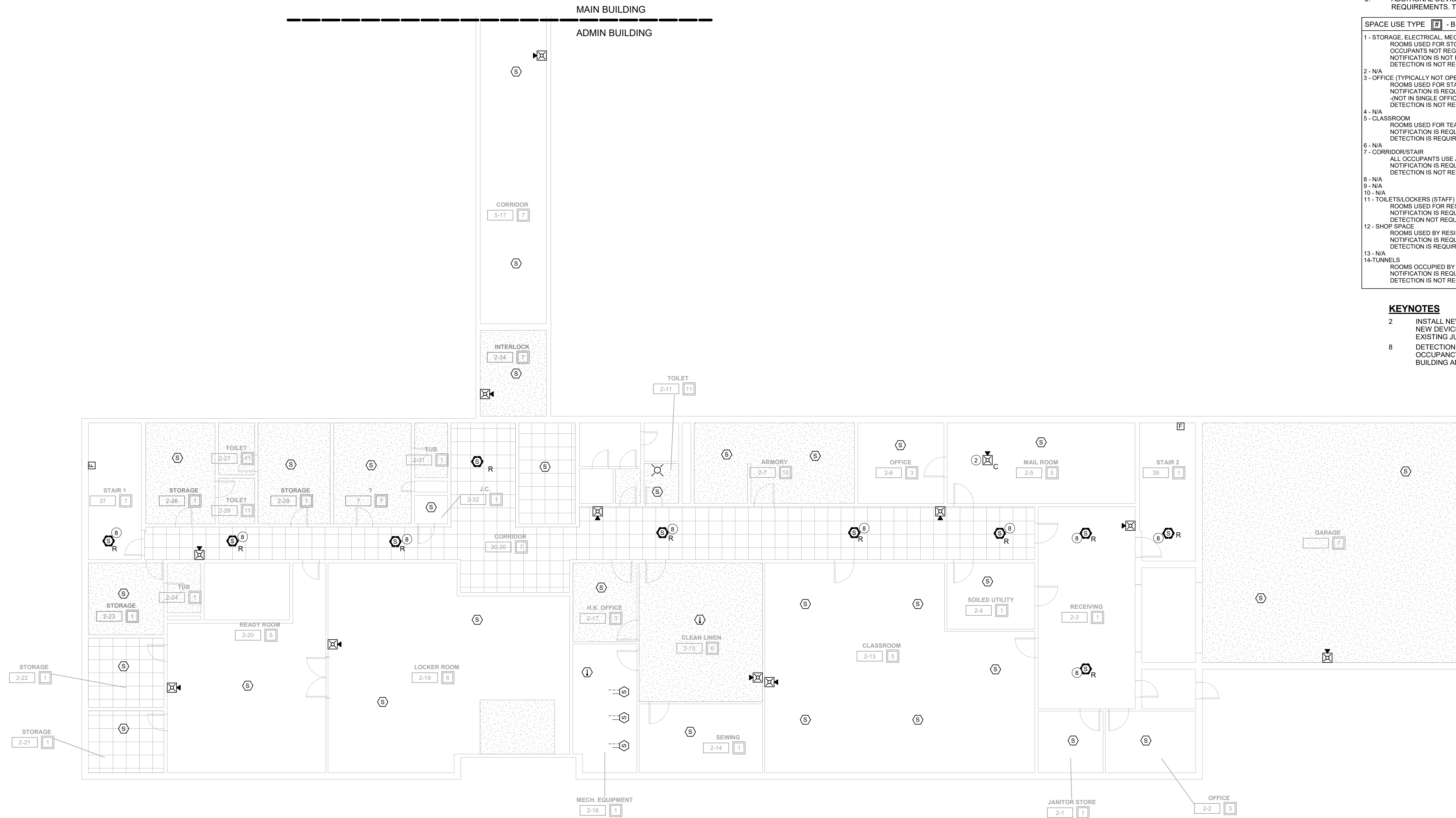
- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 144 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.

SPACE USE TYPE [T] - B OCCUPANCY

- 1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.
- 2 - N/A
- 3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE) ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED. (NOT IN SINGLE OFFICE) DETECTION IS NOT REQUIRED.
- 4 - N/A
- 5 - CLASSROOM ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED. DETECTION IS REQUIRED.
- 6 - N/A
- 7 - CORRIDOR/STAIR ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.
- 8 - N/A
- 9 - N/A
- 10 - N/A
- 11 - TOILETS/LOCKERS (STAFF) ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED. DETECTION NOT REQUIRED.
- 12 - SHOP SPACE ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED. DETECTION IS REQUIRED.
- 13 - N/A
- 14 - TUNNELS ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.

KEYNOTES

- 2 - INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 8 - DETECTION NOT REQUIRED IN CORRIDORS AND OFFICES IN A BUSINESS OCCUPANCY. REMOVE EXISTING DETECTORS IN THESE SPACES OF THE ADMIN BUILDING AND DO NOT REINSTALL NEW.



1 BASEMENT CEILING PLAN - ADMIN BUILDING
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 522241

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date

Drawing Name:
ADMIN - BASEMENT -
FIRE DETECTION &
ALARM PLANS

Drawing #:

FA20

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date

Drawing Name:
ADMIN - FIRST & SECOND FLOOR - FIRE DETECTION & ALARM PLANS

Drawing #:

FA21

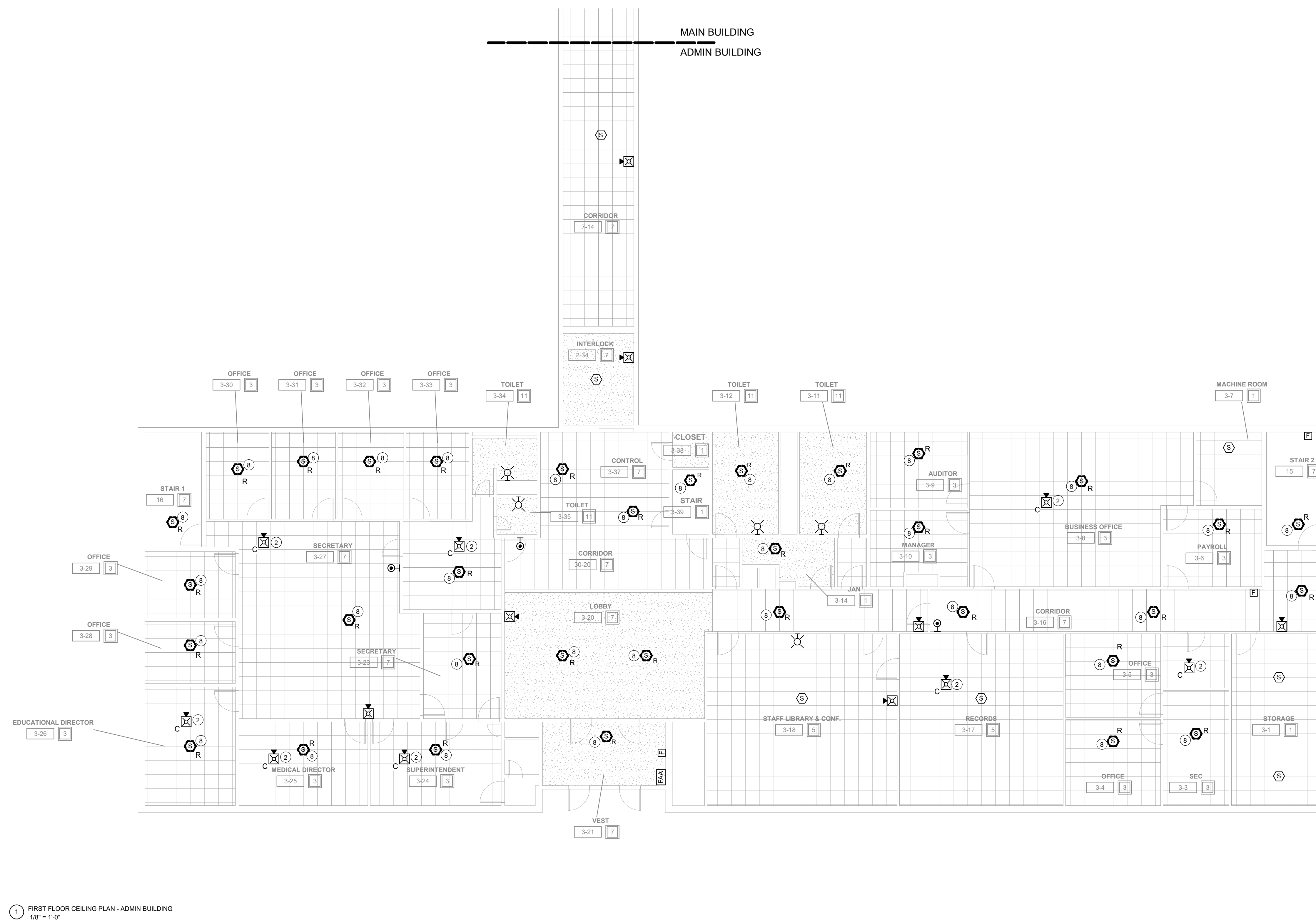
FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CMO/OWNER. NO ASPECT OF A SYSTEM'S INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.

SPACE USE TYPE	B - B OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	7
2 - NA	
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE) ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED. (NOT IN SINGLE OFFICE)	3
4 - NA	
5 - CLASSROOM ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	5
6 - NA	
7 - CORRIDOR/STAIR ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	7
8 - NA	
9 - NA	
10 - NA	
11 - TOILETS/LOCKERS (STAFF) ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.	11
12 - SHOP SPACE ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.	12
13 - NA	
14 - TUNNELS ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED.	14

KEYNOTES

- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 8 DETECTION NOT REQUIRED IN CORRIDORS AND OFFICES IN A BUSINESS OCCUPANCY. REMOVE EXISTING DETECTORS IN THESE SPACES OF THE ADMIN BUILDING AND DO NOT REINSTALL NEW.



1 FIRST FLOOR CEILING PLAN - ADMIN BUILDING
1/8" = 1'-0"

2 SECOND FLOOR CEILING PLAN - ADMIN BUILDING
1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

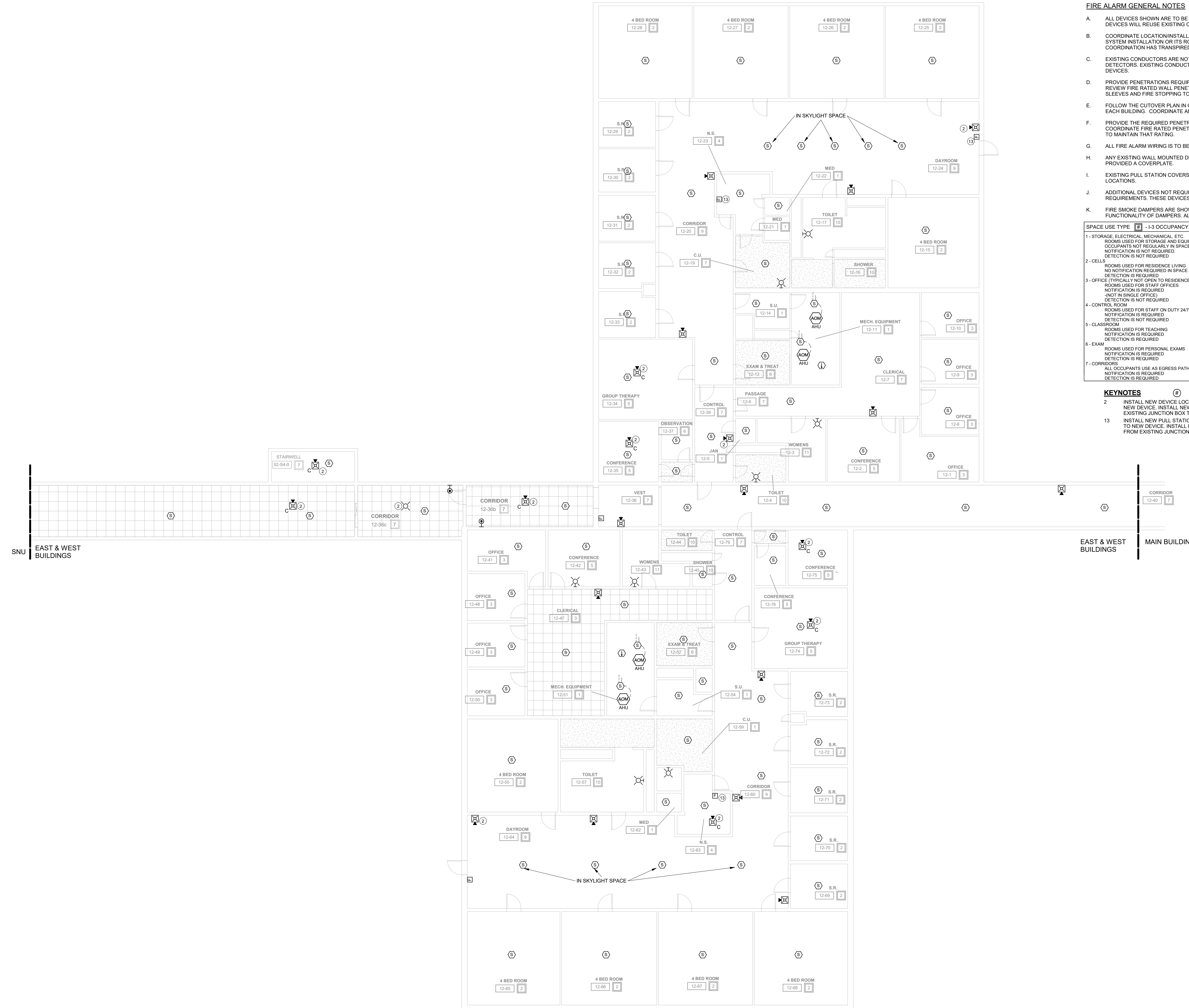
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- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 1/4" FOR THE SPEAKER STROBES AND 1/2" FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
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- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE 1-1-3 OCCUPANCY

1 - STORAGE ELECTRICAL MECHANICAL ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	9 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.
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6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	13 - DAYROOM (CONDITIONS IV-V). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.

KEYNOTES

- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
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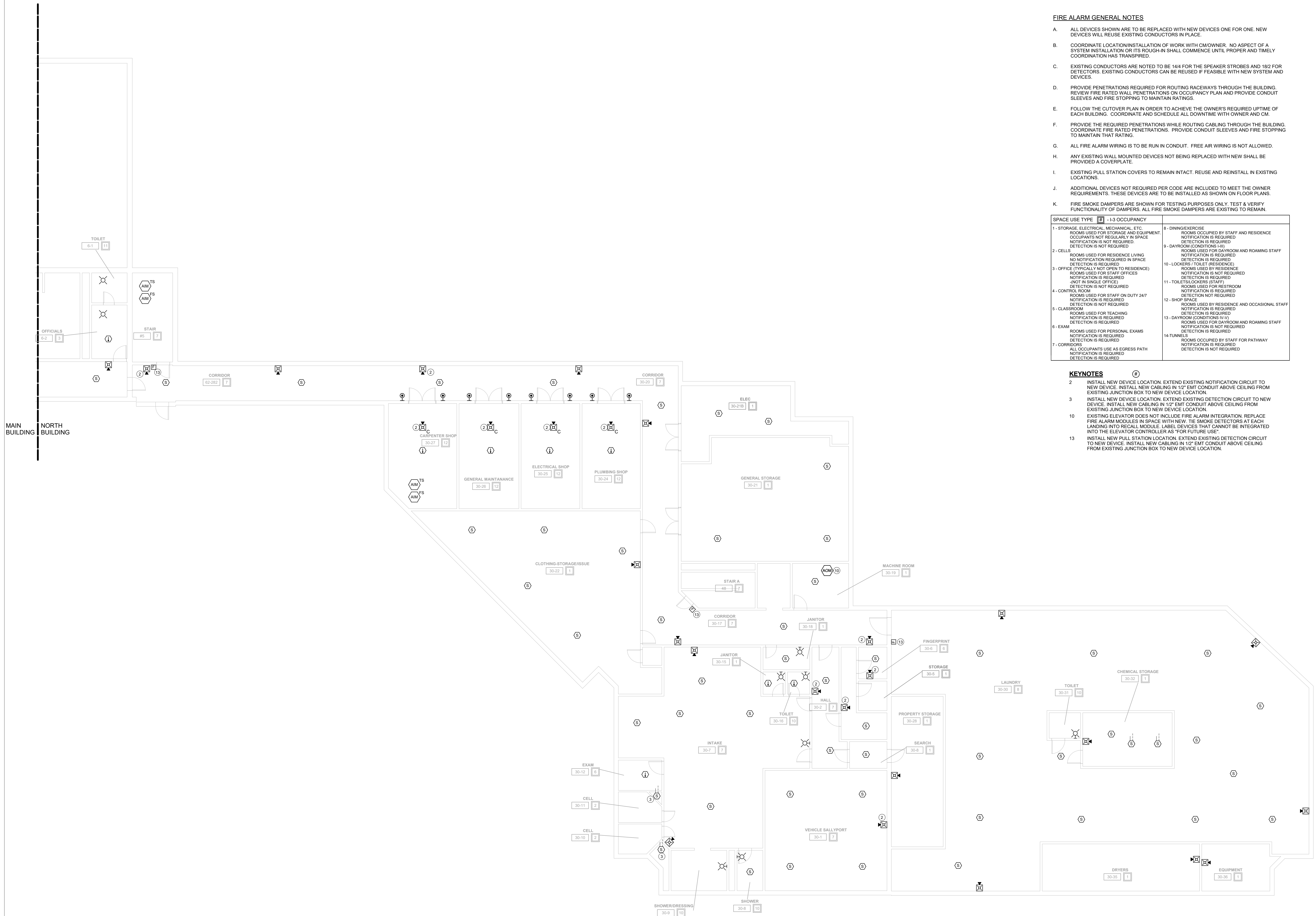
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- C. EXISTING CONDUCTORS ARE NOTED TO BE 14M FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
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KEYNOTES

- 2. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
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- 10. EXISTING ELEVATOR DOES NOT INCLUDE FIRE ALARM INTEGRATION. REPLACE FIRE ALARM MODULES IN SPACE WITH NEW. THE SMOKE DETECTORS AT EACH LANDING INTO RECALL MODULE. LABEL DEVICES THAT CANNOT BE INTEGRATED INTO THE ELEVATOR CONTROLLER AS "FOR FUTURE USE".
- 13. INSTALL NEW PULL STATION LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.



DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

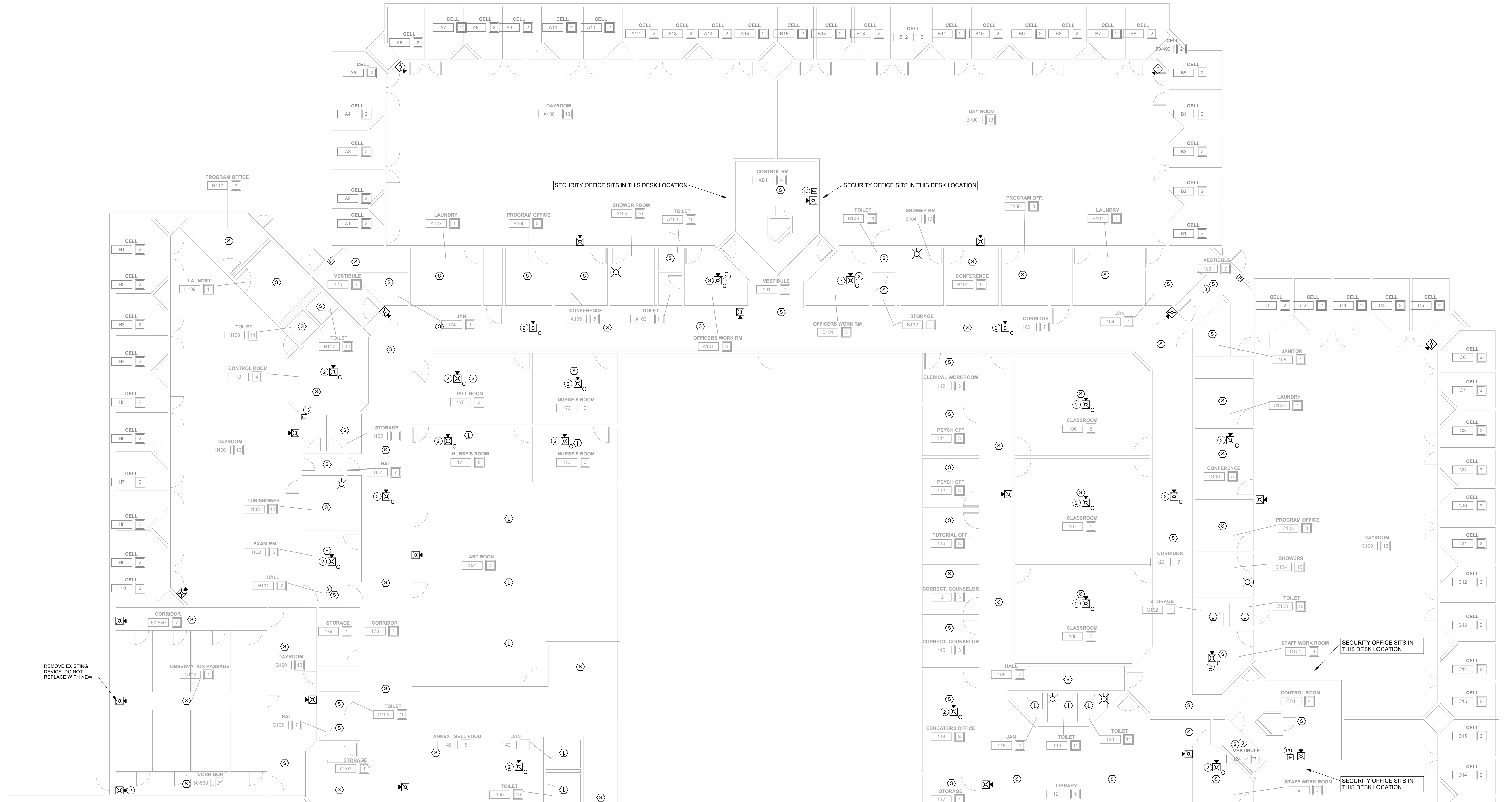
Revision	Date

Drawing Name:
NORTH - BASEMENT -
FIRE DETECTION &
ALARM PLANS

Drawing #:

FA40

1 BASEMENT CEILING PLAN - NORTH BUILDING
1/8" = 1'-0"



FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
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KEYNOTES

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1. FIRST FLOOR CEILING PLAN - NORTH BUILDING - WEST
1/8" = 1'-0"

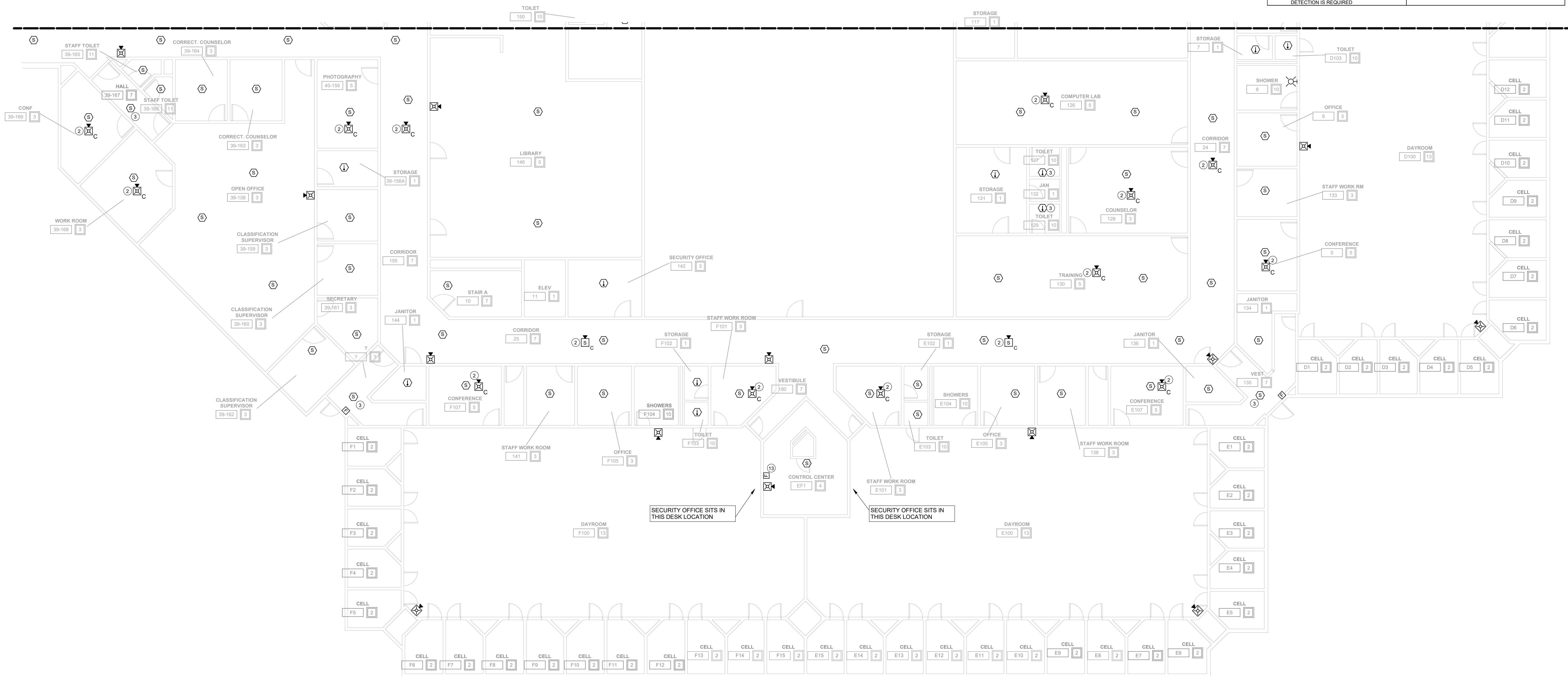
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DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

Revision Date

Drawing Name:
NORTH BUILDING
EAST - FIRST FLOOR -
FIRE DETECTION &
ALARM PLANS

Drawing #:

FA41B

1 FIRST FLOOR CEILING PLAN - NORTH BUILDING - EAST
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 522241

Project No: 9445.00

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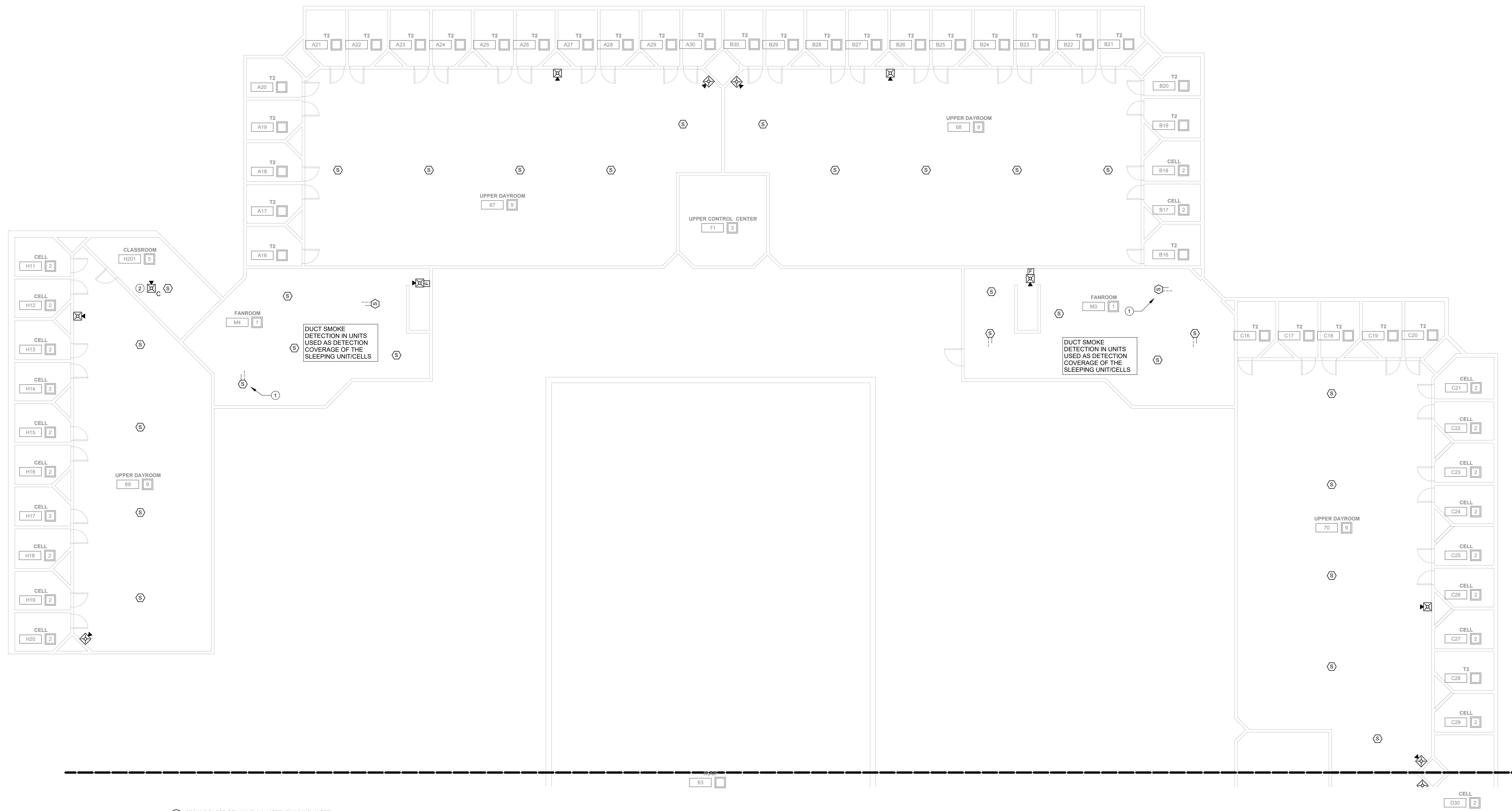
100% CD

Revision Date

Drawing Name:
NORTH BUILDING
FLOOR - SECOND
FLOOR - FIRE
DETECTION & ALARM
PLANS

Drawing #:

FA42A



1 SECOND FLOOR CEILING PLAN - NORTH BUILDING - WEST
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KEYNOTES

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- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.

SPACE USE TYPE	NOTIFICATION	NOTIFICATION
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. DETECTION IS NOT REQUIRED.	7	NOTIFICATION IS NOT REQUIRED
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPAGE. DETECTION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED (NOT IN SINGLE OFFICE).	7	NOTIFICATION IS REQUIRED
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
8 - DINING/EXERCISE. ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
9 - DAYROOM (CONDITIONS I-III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.	7	NOTIFICATION IS NOT REQUIRED
11 - TOILETS/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.	7	NOTIFICATION IS REQUIRED
13 - DAYROOM (CONDITIONS IV-VI). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.	7	NOTIFICATION IS NOT REQUIRED
14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.	7	NOTIFICATION IS NOT REQUIRED

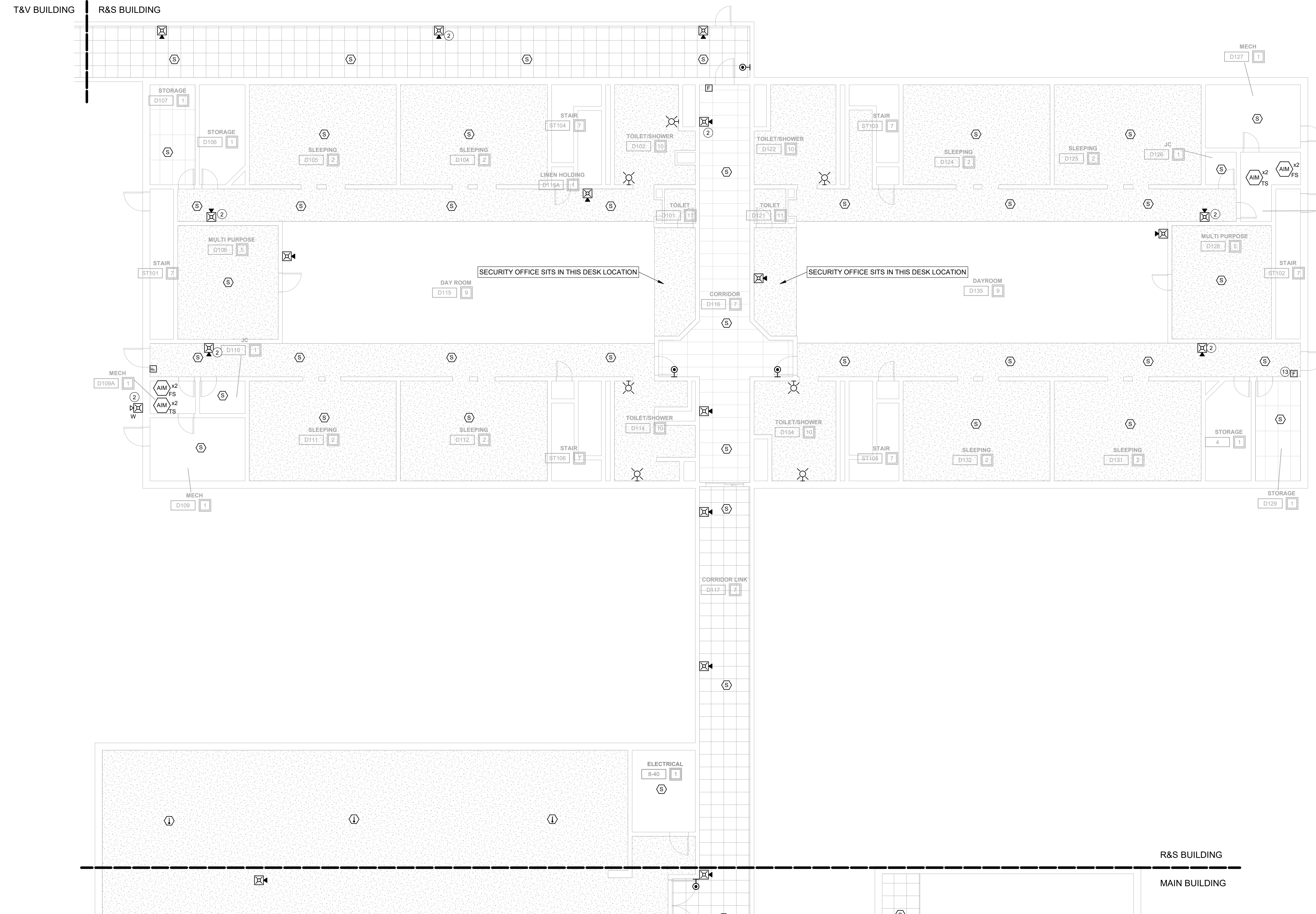
FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 1414 FOR THE SPEAKER STROBES AND 1812 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE [F] - I-3 OCCUPANCY	
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE NOTIFICATION IS REQUIRED DETECTION IS NOT REQUIRED
2 - CELLS ROOMS USED FOR RESIDENCE LIVING NO NOTIFICATION REQUIRED IN SPACE DETECTION IS NOT REQUIRED	9 - DAYROOM (CONDITIONS I-III) ROOMS USED FOR DAYROOM AND ROAMING STAFF NOTIFICATION IS REQUIRED DETECTION IS NOT REQUIRED
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE) ROOMS USED FOR STAFF OFFICES NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED	10 - LOCKERS / TOILET (RESIDENCE) ROOMS USED BY RESIDENCE NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED
4 - CONTROL ROOM ROOMS USED FOR STAFF ON DUTY 24/7 NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED	11 - TOILET/LOCKERS (STAFF) ROOMS USED FOR RESTROOM NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED
5 - CLASSROOM ROOMS USED FOR TEACHING NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED	12 - SHOP SPACE ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED
6 - EXAM ROOMS USED FOR PERSONAL EXAMS NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED	13 - DAYROOM (CONDITIONS I-IV) ROOMS USED FOR DAYROOM AND ROAMING STAFF NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED
7 - CORRIDORS ALL OCCUPANTS USE AS EGRESS PATH NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED	14 - TUNNELS ROOMS OCCUPIED BY STAFF FOR PATHWAY NOTIFICATION IS NOT REQUIRED DETECTION IS NOT REQUIRED

KEYNOTES

- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 13 INSTALL NEW PULL STATION CABLE. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.



1 FIRST FLOOR CEILING PLAN - R&S BUILDING
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date

Drawing Name:
R&S - FIRST FLOOR -
FIRE DETECTION &
ALARM PLANS

Drawing #:

FA51



FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 144 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE [1] - I-3 OCCUPANCY	
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED. DETECTION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED. DETECTION IS REQUIRED.
2 - CELLS ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS III) ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED. DETECTION IS REQUIRED.
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5 - CLASSROOM ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED. DETECTION IS REQUIRED.	12 - SHOP SPACE ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.
6 - EXAM ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED. DETECTION IS REQUIRED.	13 - DAYROOM (CONDITIONS IV-V) ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED. DETECTION IS REQUIRED.
7 - CORRIDORS ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.	14 - TUNNELS ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.

KEYNOTES

- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.

1 FIRST FLOOR CEILING PLAN - T&V BUILDING
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date

Drawing Name:
T&V - FIRST FLOOR -
FIRE DETECTION &
ALARM PLANS

Drawing #:

FA61



FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
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SPACE USE TYPE	I-3 OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
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4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	11 - TOILETS/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
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7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED.

1 SECOND FLOOR CEILING PLAN - T&V BUILDING
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date

Drawing Name:
T&V - SECOND FLOOR
- FIRE DETECTION &
ALARM PLANS

Drawing #:

FA62

KEYNOTES

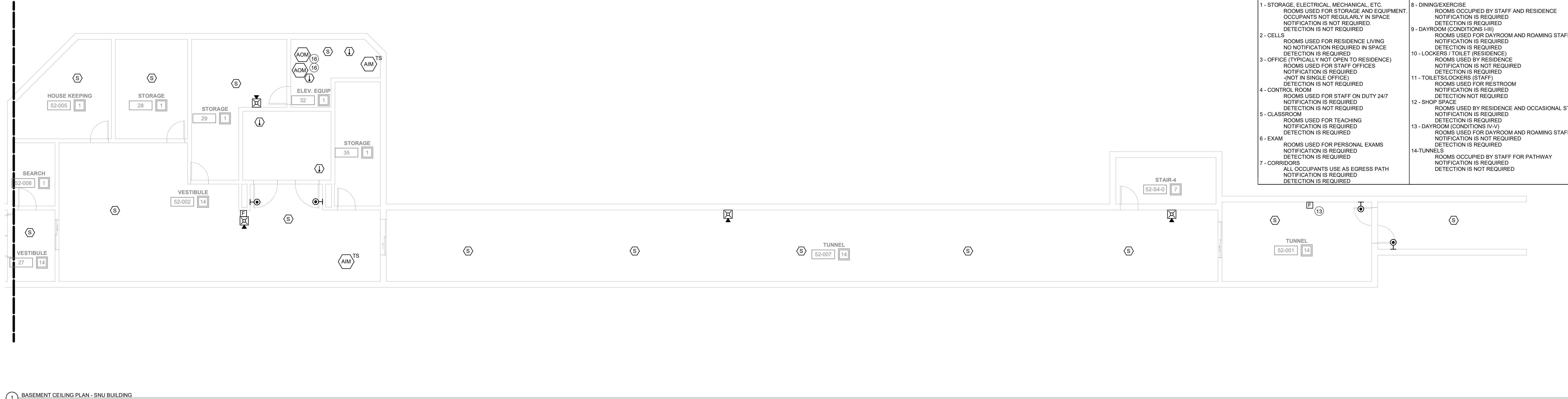
- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 13 INSTALL NEW PULL STATION LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 16 REPLACE EXISTING FIRE ALARM MODULE. COORDINATE ELEVATOR DOWNTIME AND INSTALLATION WITH OWNER/CM. VERIFY RECALL IS FUNCTIONING PROPERLY WITH SMOKE DETECTION UPON INSTALLATION COMPLETION TO MEET CODE REQUIREMENTS. REPLACE WITH PRIMARY RECALL, SECONDARY RECALL, AND FIRE HAT.

FIRE ALARM GENERAL NOTES

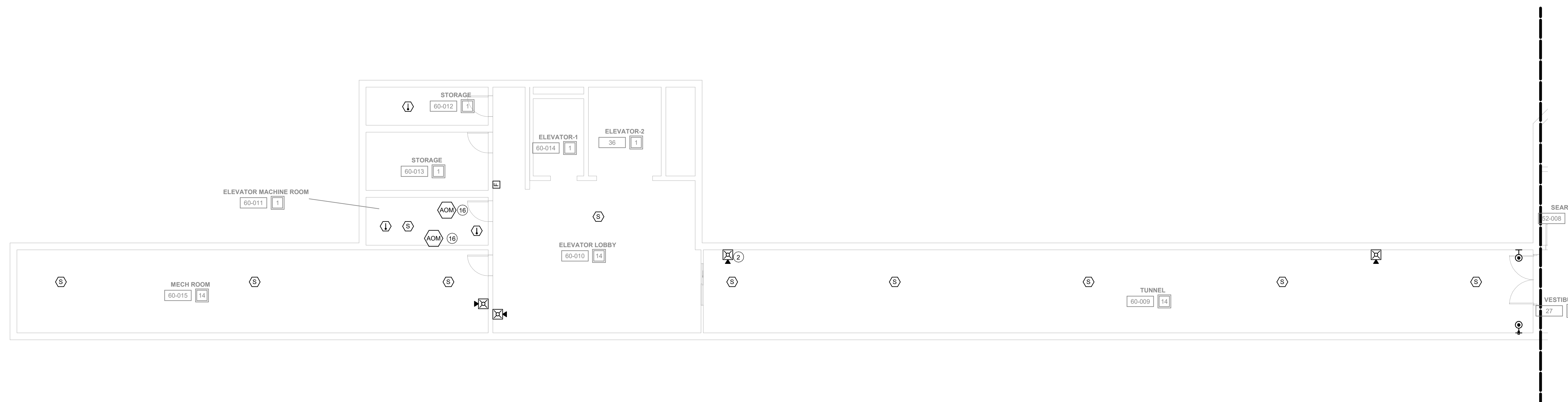
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- C. EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE [14] - I-3 OCCUPANCY

1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
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7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.



1 BASEMENT CEILING PLAN - SNU BUILDING
1/8" = 1'-0"



2 BASEMENT CEILING PLAN - POWERHOUSE
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

Revision Date

Drawing Name:
SNU & POWERHOUSE
BUILDING - BASEMENT
- FIRE DETECTION &
ALARM PLANS

Drawing #:

FA70

FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
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KEYNOTES

2. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
3. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
5. EXISTING DELUGE SYSTEM IS IN USE. RECONNECT TO EXISTING SYSTEM AND MATCH EXISTING SEQUENCE OF OPERATION WITH CURRENT SYSTEM.
13. INSTALL NEW PULL STATION LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.

PICTURES PROVIDED FOR CONTRACTORS REFERENCE TO THE SPACE AND INSTALLATION METHOD

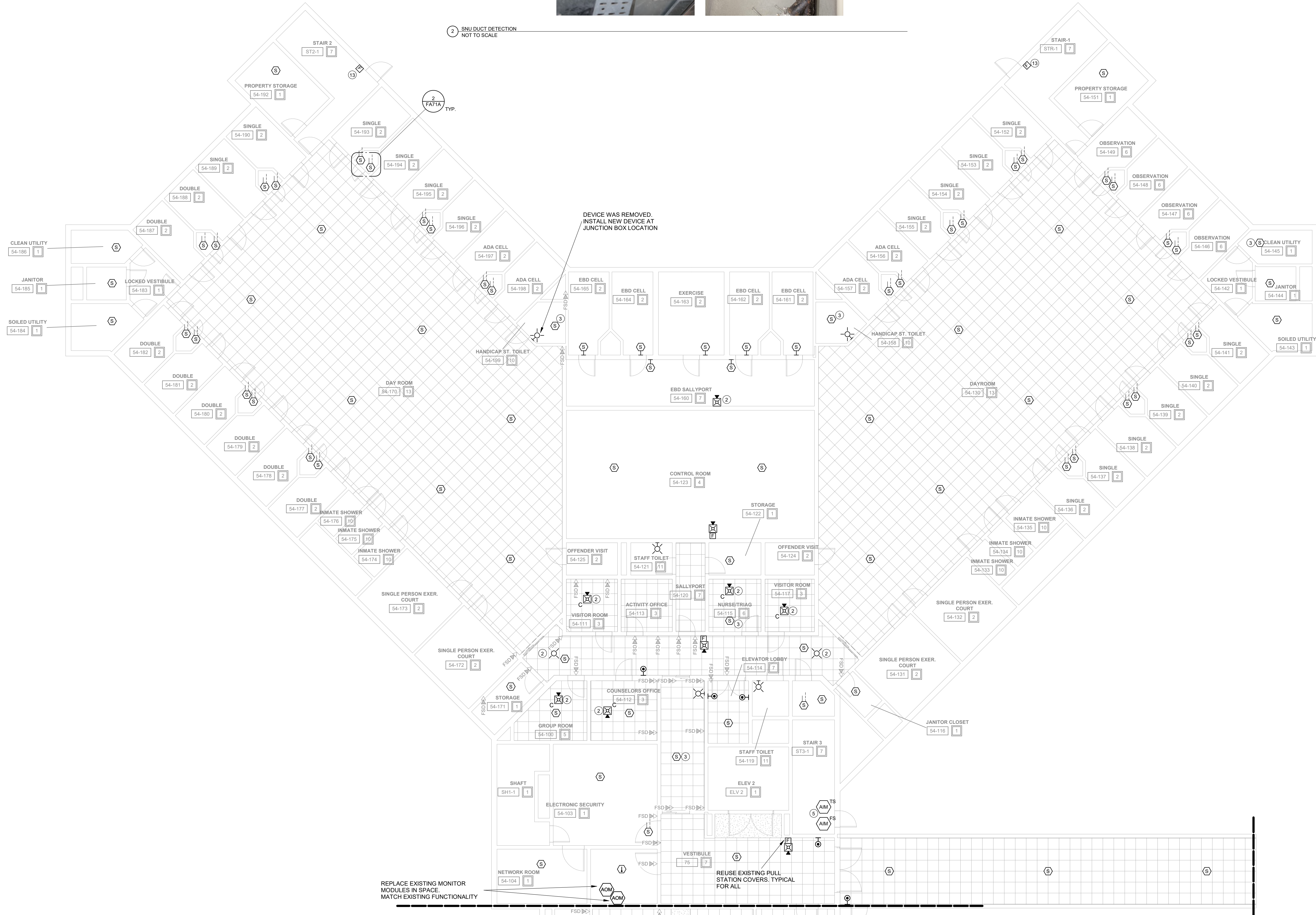


EXISTING SMOKE DETECTOR INSTALLED AT END OF DUCT. REPLACE DETECTOR WITH NEW.



EXISTING DETECTOR INSTALLED AT TOP OF DUCT.

2 SNU DUCT DETECTION NOT TO SCALE



1 FIRST FLOOR CEILING PLAN - SNU - WEST
1/8" = 1'-0"

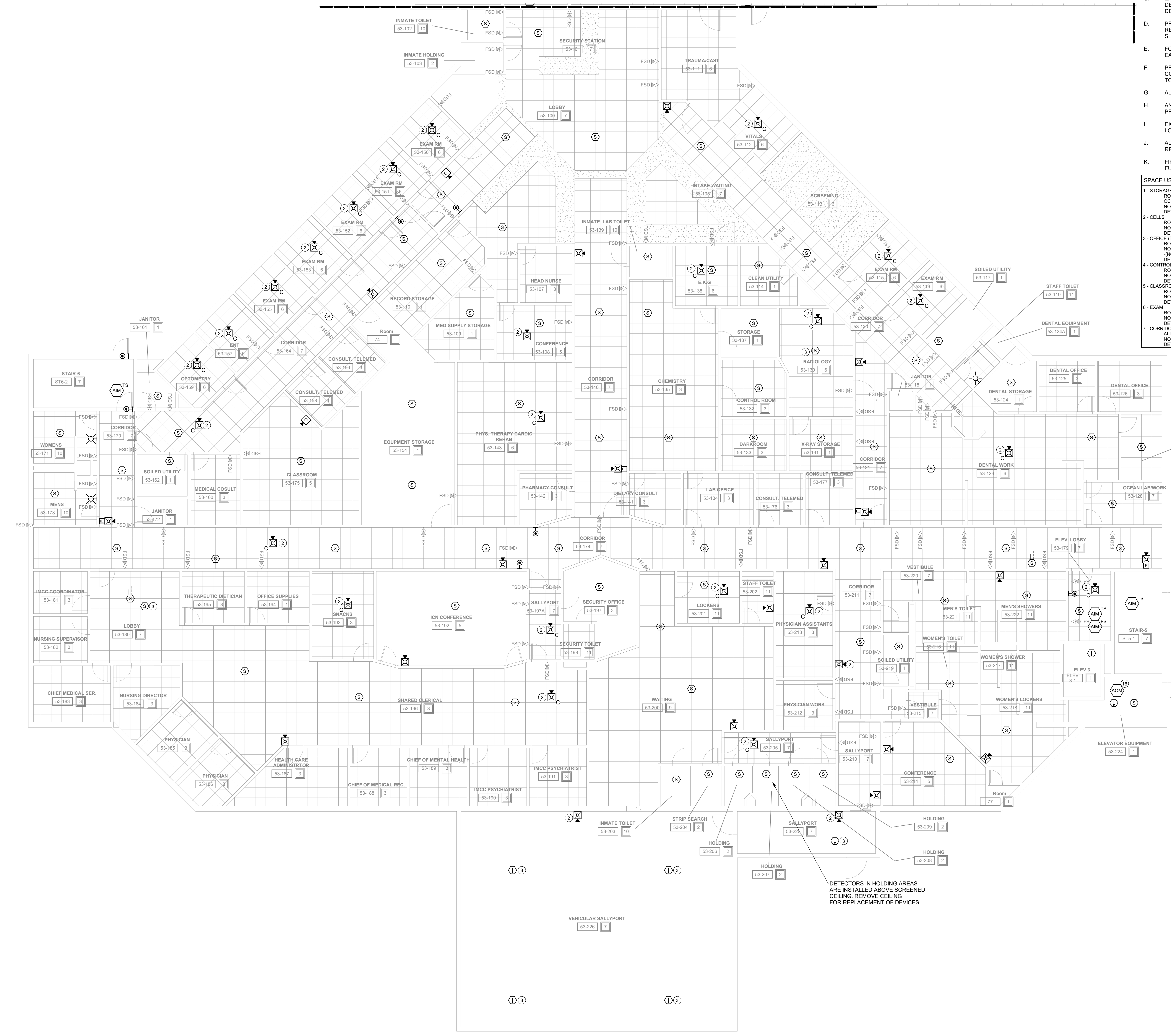
FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 1414 FOR THE SPEAKER STROBES AND 182 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE	I-3 OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS NOT REQUIRED.	9 - DAYROOM (CONDITIONS I-III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS NOT REQUIRED.	11 - TOILETS/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS NOT REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS NOT REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS NOT REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS NOT REQUIRED.	13 - DAYROOM (CONDITIONS I-IV). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS NOT REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.

KEYNOTES

- 2. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 3. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 16. REPLACE EXISTING FIRE ALARM MODULE. COORDINATE ELEVATOR DOWNTIME AND INSTALLATION WITH OWNER/CM. VERIFY RECALL IS FUNCTIONING PROPERLY WITH SMOKE DETECTION UPON INSTALLATION COMPLETION TO MEET CODE REQUIREMENTS. REPLACE WITH PRIMARY RECALL, SECONDARY RECALL, AND FIRE HAT.



DETECTORS IN HOLDING AREAS ARE INSTALLED ABOVE SCREENED CEILING. REMOVE CEILING FOR REPLACEMENT OF DEVICES

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00
Date: 07/31/2025
100% CD

Revision	Date

Drawing Name:
SNU EAST - FIRST FLOOR - FIRE DETECTION & ALARM PLANS

Drawing #:
FA71B

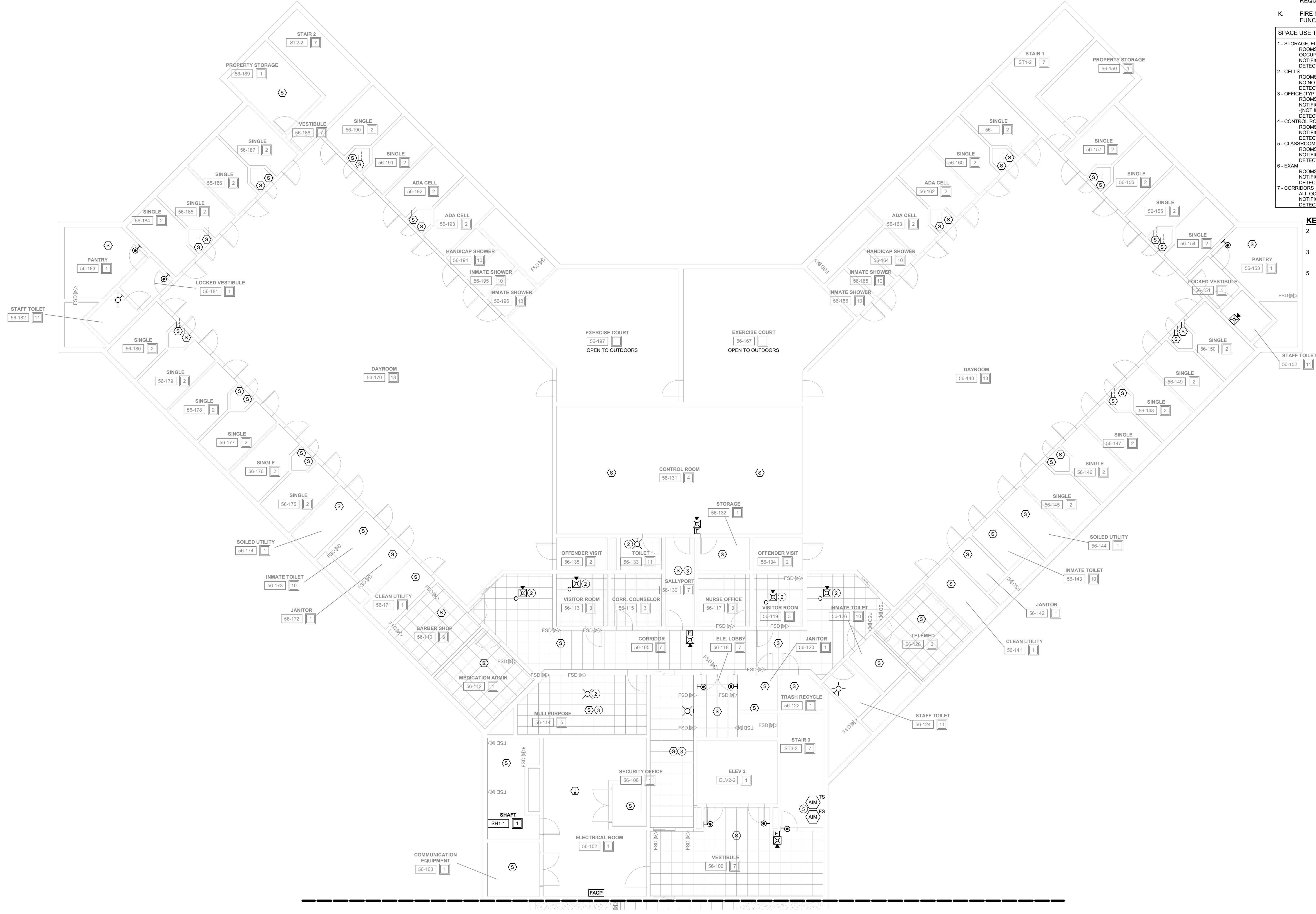
FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE [7] - I-3 OCCUPANCY	
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS I-III) ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	10 - LOCKERS / TOILET RESIDENCE. ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	11 - TOILETS/LOCKERS (STAFF) ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	13 - DAYROOM (CONDITIONS I-IV). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS NOT REQUIRED.

KEYNOTES

- 2. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 3. INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 5. EXISTING DELUGE SYSTEM IS IN USE. RECONNECT TO EXISTING SYSTEM AND MATCH EXISTING SEQUENCE OF OPERATION WITH CURRENT SYSTEM.



1 SECOND FLOOR CEILING PLAN - SNU BUILDING - WEST
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

Revision	Date

Drawing Name:
SNU WEST - SECOND FLOOR - FIRE DETECTION & ALARM PLANS

Drawing #:
FA72A

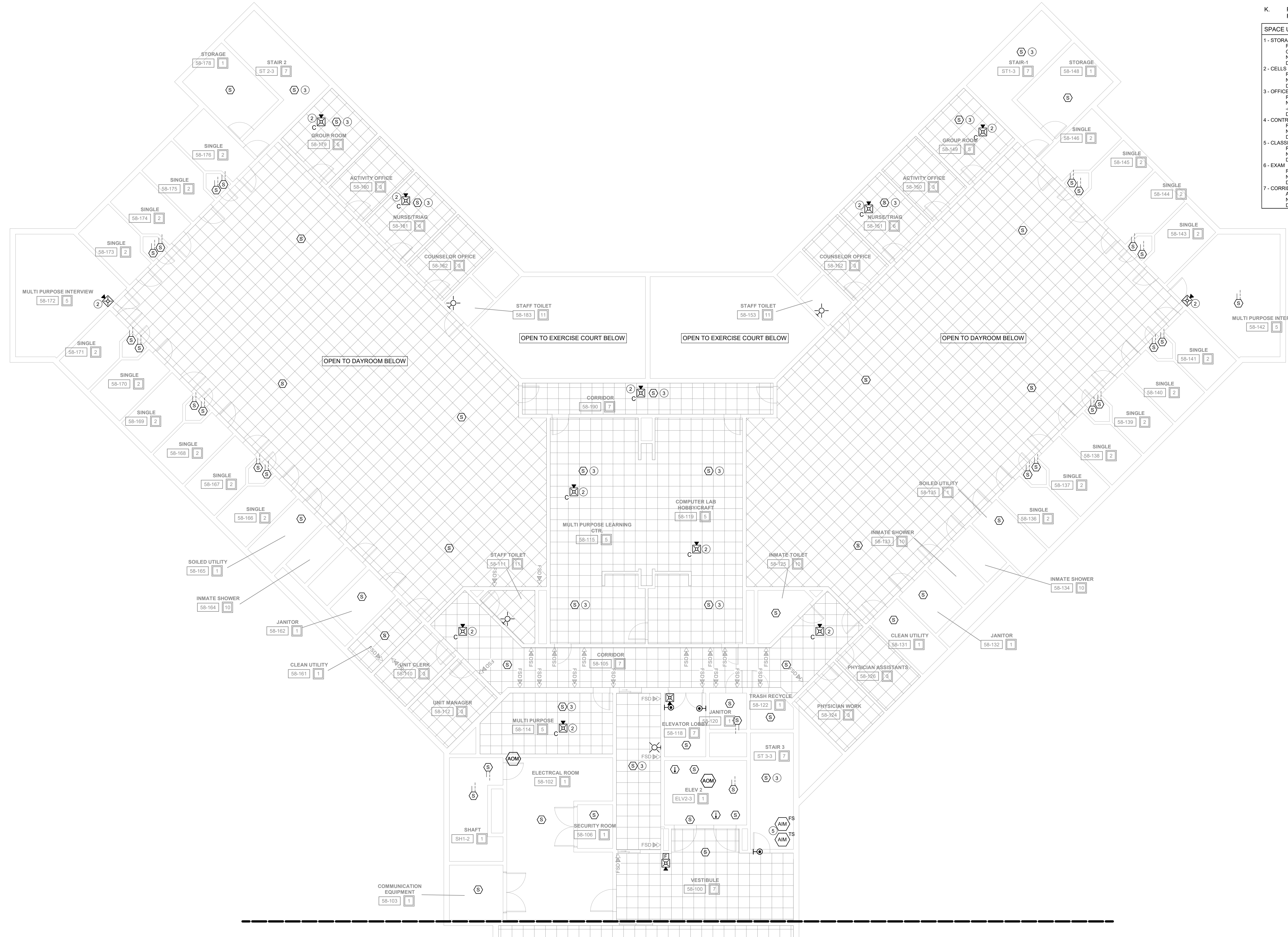
FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH C/O W/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 1/4" FOR THE SPEAKER STROBES AND 1/2" FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE	1-3 OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	9 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED. (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.	11 - TOILET/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.	13 - DAYROOM (CONDITIONS IV-V). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED. DETECTION IS NOT REQUIRED.

KEYNOTES

- 2 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 3 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 5 EXISTING DELUGE SYSTEM IS IN USE. RECONNECT TO EXISTING SYSTEM AND MATCH EXISTING SEQUENCE OF OPERATION WITH CURRENT SYSTEM.



DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 522241

Project No: 9445.00

Date: 07/31/2025

100% CD

Revision	Date

Drawing Name:
SNU EAST -THIRD FLOOR & PENTHOUSE- FIRE DETECTION & ALARM PLANS

Drawing #:

FA73B

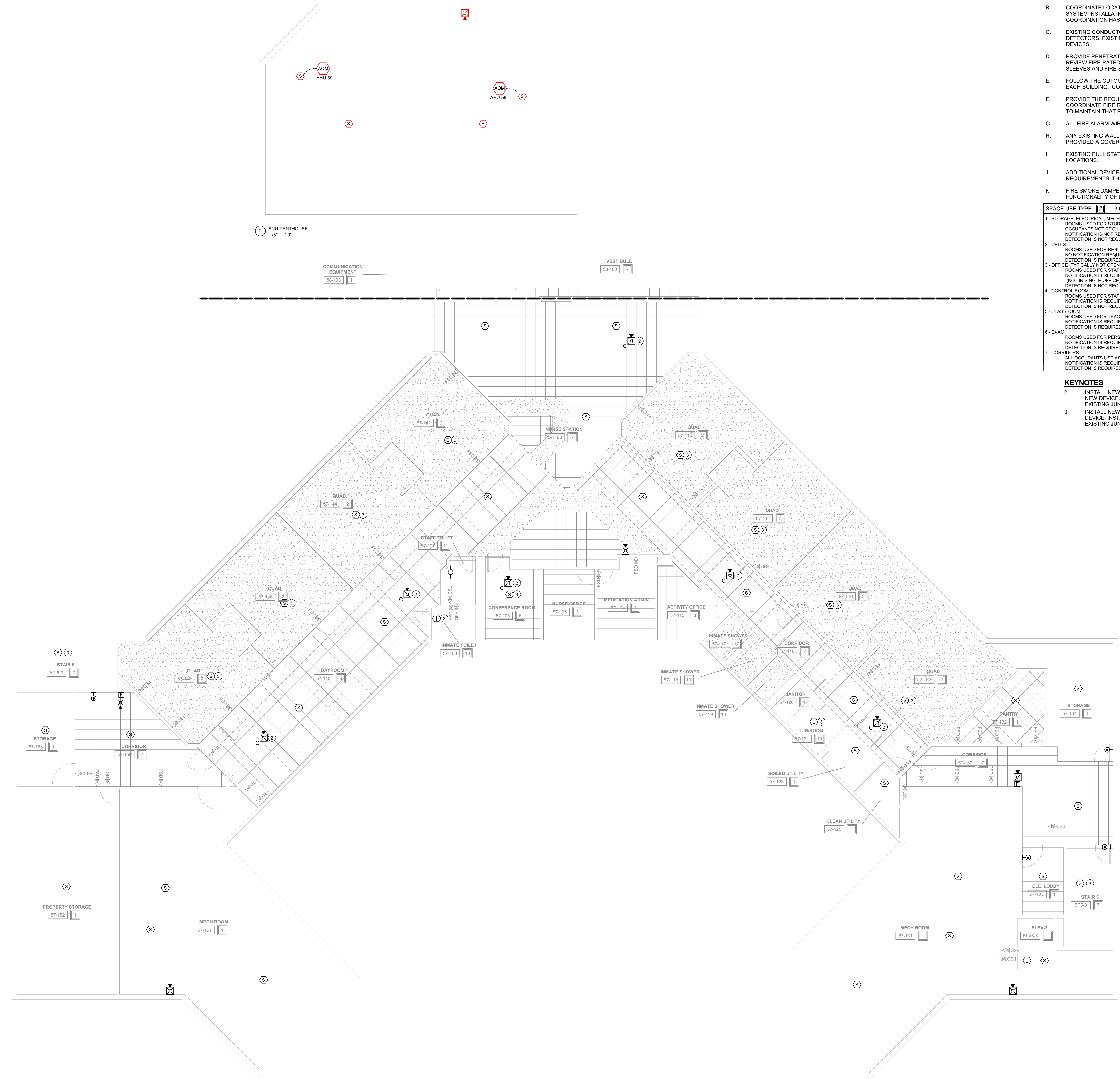
FIRE ALARM GENERAL NOTES

- ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- EXISTING CONDUCTORS ARE NOTED TO BE 14/4 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE	#1 - I-3 OCCUPANCY	#8 - DINING/EXERCISE
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS III)
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). NOTIFICATION IS REQUIRED. (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED. (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE)
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	11 - TOILETS/LOCKERS (STAFF)
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
		12 - SHOP SPACE
		ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.
		13 - DAYROOM (CONDITIONS IV)
		ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
		14-TUNNELS
		ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED.

KEYNOTES

- INSTALL NEW DEVICE LOCATION. EXTEND EXISTING NOTIFICATION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
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1 THIRD FLOOR CEILING PLAN - SNU BUILDING - EAST
1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 1414 FOR THE SPEAKER STROBES AND 18/2 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
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- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.

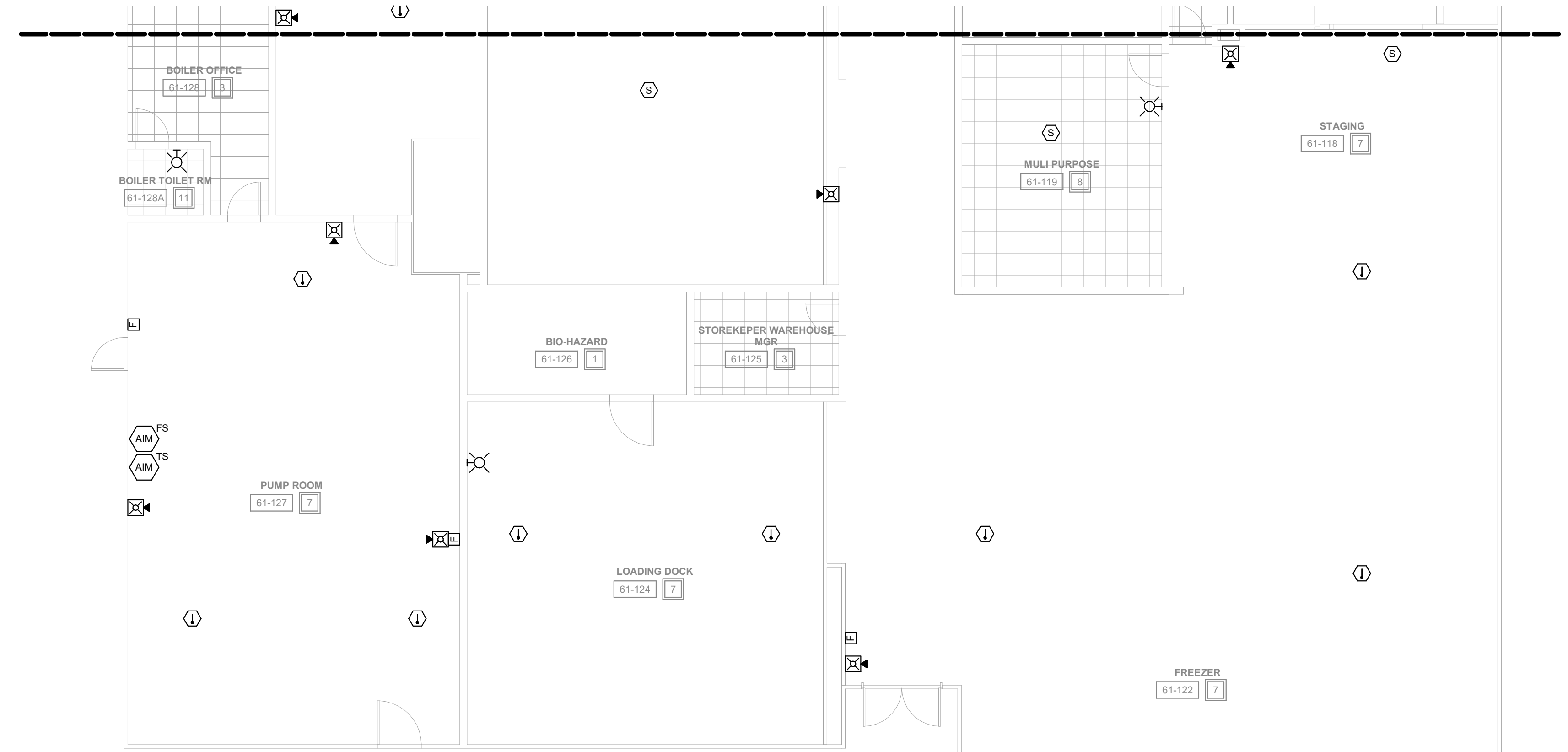
SPACE USE TYPE	F	B	OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	1		
2 - NA			
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES (NOT IN SINGLE OFFICE). NOTIFICATION IS REQUIRED.	3		
4 - NA			
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	5		
6 - NA			
7 - CORRIDOR/STAIR. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	7		
8 - NA			
9 - NA			
10 - NA			
11 - TOILETS/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.	11		
12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.	12		
13 - NA			
14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED.	14		

KEYNOTES

- 3 INSTALL NEW DEVICE LOCATION. EXTEND EXISTING DETECTION CIRCUIT TO NEW DEVICE. INSTALL NEW CABLING IN 1/2" EMT CONDUIT ABOVE CEILING FROM EXISTING JUNCTION BOX TO NEW DEVICE LOCATION.
- 9 DETECTION NOT REQUIRED IN CORRIDORS AND OFFICES IN A STORAGE OCCUPANCY. REMOVE EXISTING DETECTORS IN THESE SPACES OF THE POWERHOUSE BUILDING AND DO NOT REINSTALL NEW.



1 FIRST FLOOR CEILING PLAN - POWERHOUSE BUILDING WEST
1/8" = 1'-0"



2 FIRST FLOOR CEILING PLAN - POWERHOUSE BUILDING EAST
1/8" = 1'-0"

DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

100% CD

Revision	Date

Drawing Name:
POWERHOUSE - FIRST FLOOR - FIRE DETECTION & ALARM PLANS

Drawing #:

FA81

Project No: 9445.00

Date: 07/31/2025

100% CD

#	Revision	Date

Drawing Name:
POWERHOUSE -
SECOND FLOOR - FIRE
DETECTION & ALARM
PLANS

Drawing #:

FA82

FIRE ALARM GENERAL NOTES

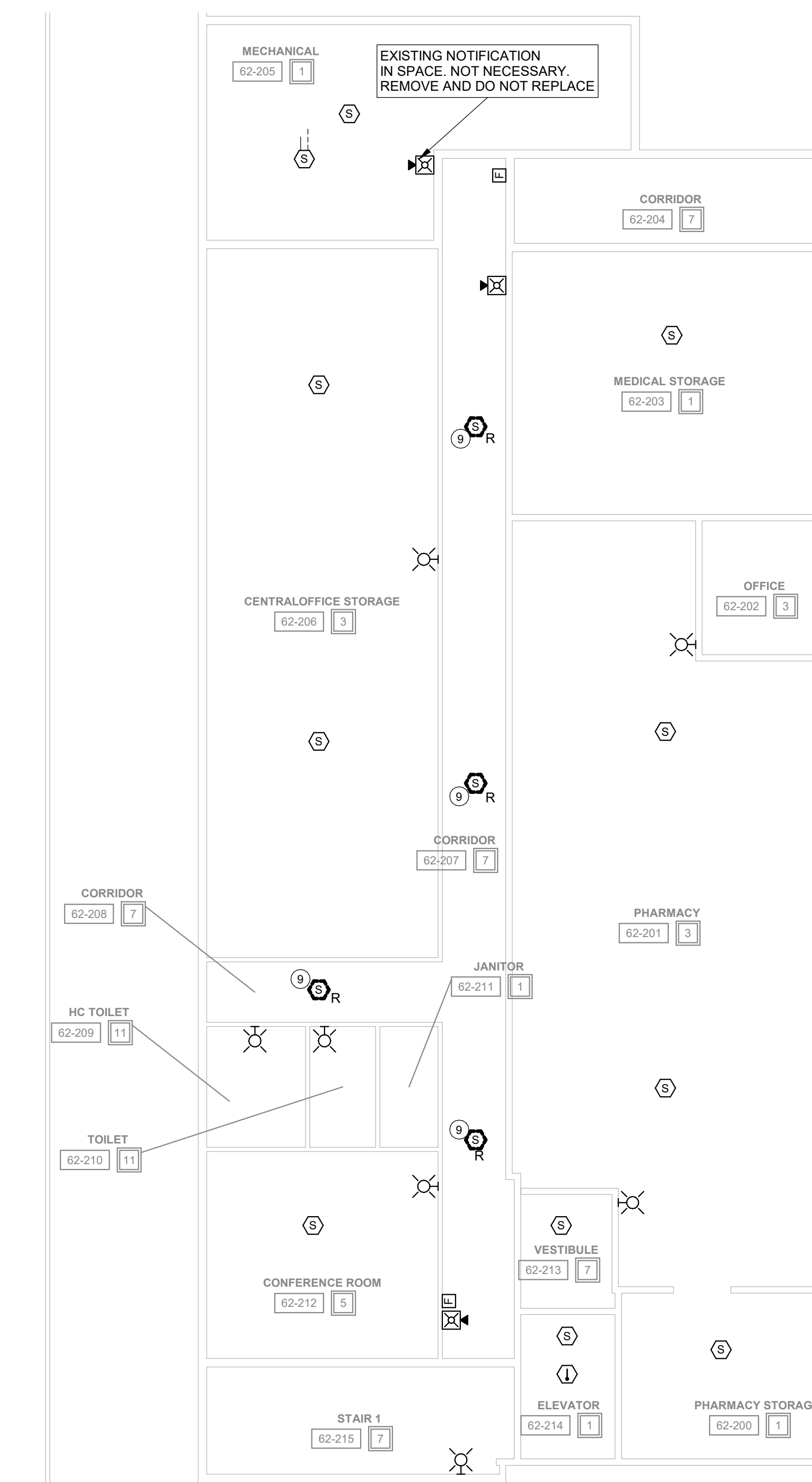
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SPACE USE TYPE [U] - B OCCUPANCY

- 1 - STORAGE, ELECTRICAL, MECHANICAL, ETC.
ROOMS USED FOR STORAGE AND EQUIPMENT.
OCCUPANTS NOT REGULARLY IN SPACE.
NOTIFICATION IS NOT REQUIRED.
DETECTION IS NOT REQUIRED.
- 2 - NA
- 3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE)
ROOMS USED FOR STAFF OFFICES
NOTIFICATION IS REQUIRED
(NOT IN SINGLE OFFICE)
DETECTION IS NOT REQUIRED
- 4 - NA
- 5 - CLASSROOM
ROOMS USED FOR TEACHING
NOTIFICATION IS REQUIRED
DETECTION IS REQUIRED
- 6 - NA
- 7 - CORRIDOR/STAIR
ALL OCCUPANTS USE AS EGRESS PATH
NOTIFICATION IS REQUIRED
DETECTION IS NOT REQUIRED
- 8 - NA
- 9 - NA
- 10 - NA
- 11 - TOILETS/LOCKERS (STAFF)
ROOMS USED FOR RESTROOM
NOTIFICATION IS REQUIRED
DETECTION NOT REQUIRED
- 12 - SHOP SPACE
ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF
NOTIFICATION IS REQUIRED
DETECTION IS REQUIRED
- 13 - NA
- 14 - TUNNELS
ROOMS OCCUPIED BY STAFF FOR PATHWAY
NOTIFICATION IS REQUIRED
DETECTION IS NOT REQUIRED

KEYNOTES [Z]

- 9 DETECTION NOT REQUIRED IN CORRIDORS AND OFFICES IN A STORAGE OCCUPANCY. REMOVE EXISTING DETECTORS IN THESE SPACES OF THE POWERHOUSE BUILDING AND DO NOT REINSTALL NEW.

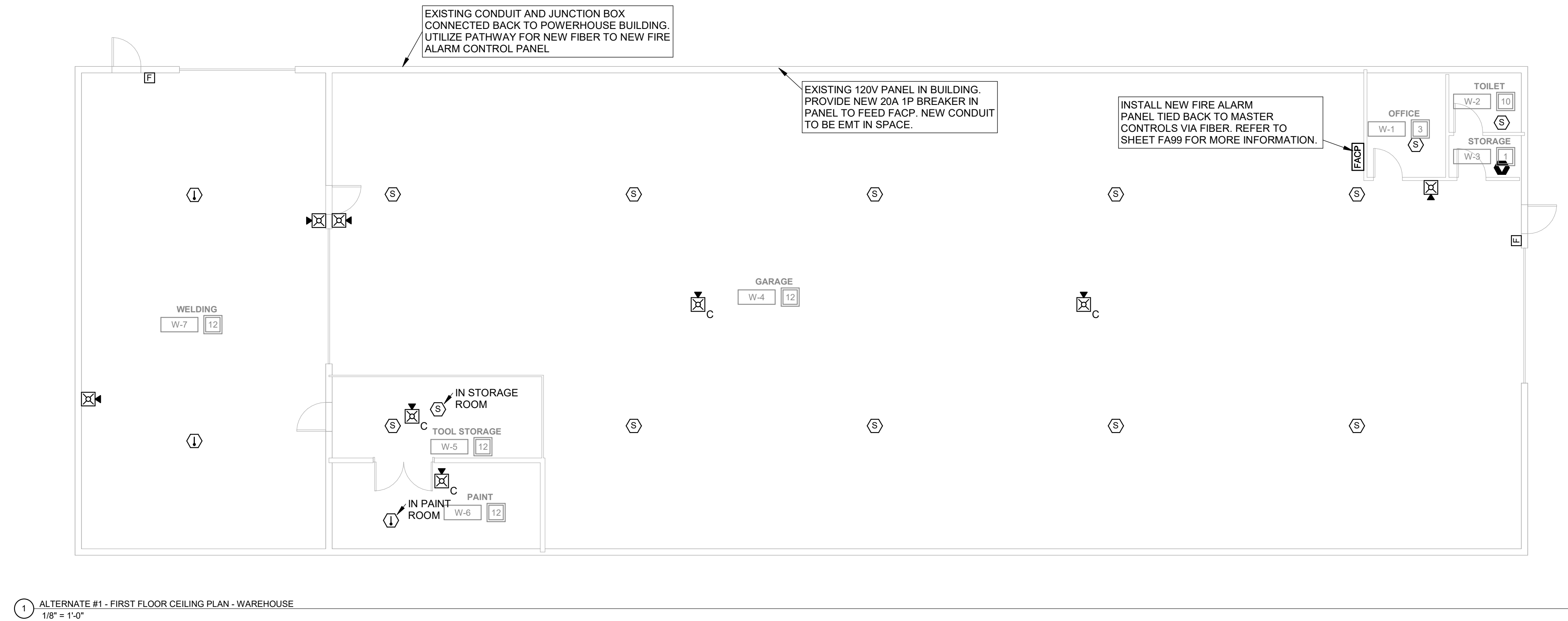


1 SECOND FLOOR CEILING PLAN - POWERHOUSE BUILDING
1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

- A. ALL DEVICES SHOWN ARE TO BE REPLACED WITH NEW DEVICES ONE FOR ONE. NEW DEVICES WILL REUSE EXISTING CONDUCTORS IN PLACE.
- B. COORDINATE LOCATION/INSTALLATION OF WORK WITH CM/OWNER. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION HAS TRANSPIRED.
- C. EXISTING CONDUCTORS ARE NOTED TO BE 1444 FOR THE SPEAKER STROBES AND 182 FOR DETECTORS. EXISTING CONDUCTORS CAN BE REUSED IF FEASIBLE WITH NEW SYSTEM AND DEVICES.
- D. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. REVIEW FIRE RATED WALL PENETRATIONS ON OCCUPANCY PLAN AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATINGS.
- E. FOLLOW THE CUTOVER PLAN IN ORDER TO ACHIEVE THE OWNER'S REQUIRED UPTIME OF EACH BUILDING. COORDINATE AND SCHEDULE ALL DOWNTIME WITH OWNER AND CM.
- F. PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.
- G. ALL FIRE ALARM WIRING IS TO BE RUN IN CONDUIT. FREE AIR WIRING IS NOT ALLOWED.
- H. ANY EXISTING WALL MOUNTED DEVICES NOT BEING REPLACED WITH NEW SHALL BE PROVIDED A COVERPLATE.
- I. EXISTING PULL STATION COVERS TO REMAIN INTACT. REUSE AND REINSTALL IN EXISTING LOCATIONS.
- J. ADDITIONAL DEVICES NOT REQUIRED PER CODE ARE INCLUDED TO MEET THE OWNER REQUIREMENTS. THESE DEVICES ARE TO BE INSTALLED AS SHOWN ON FLOOR PLANS.
- K. FIRE SMOKE DAMPERS ARE SHOWN FOR TESTING PURPOSES ONLY. TEST & VERIFY FUNCTIONALITY OF DAMPERS. ALL FIRE SMOKE DAMPERS ARE EXISTING TO REMAIN.

SPACE USE TYPE	I-3 OCCUPANCY
1 - STORAGE, ELECTRICAL, MECHANICAL, ETC. ROOMS USED FOR STORAGE AND EQUIPMENT. OCCUPANTS NOT REGULARLY IN SPACE. NOTIFICATION IS NOT REQUIRED.	8 - DINING/EXERCISE ROOMS OCCUPIED BY STAFF AND RESIDENCE. NOTIFICATION IS REQUIRED.
2 - CELLS. ROOMS USED FOR RESIDENCE LIVING. NO NOTIFICATION REQUIRED IN SPACE. DETECTION IS REQUIRED.	9 - DAYROOM (CONDITIONS I-III). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS REQUIRED.
3 - OFFICE (TYPICALLY NOT OPEN TO RESIDENCE). ROOMS USED FOR STAFF OFFICES. NOTIFICATION IS REQUIRED. (NOT IN SINGLE OFFICE). DETECTION IS NOT REQUIRED.	10 - LOCKERS / TOILET (RESIDENCE). ROOMS USED BY RESIDENCE. NOTIFICATION IS NOT REQUIRED.
4 - CONTROL ROOM. ROOMS USED FOR STAFF ON DUTY 24/7. NOTIFICATION IS REQUIRED.	11 - TOILETS/LOCKERS (STAFF). ROOMS USED FOR RESTROOM. NOTIFICATION IS REQUIRED.
5 - CLASSROOM. ROOMS USED FOR TEACHING. NOTIFICATION IS REQUIRED.	12 - SHOP SPACE. ROOMS USED BY RESIDENCE AND OCCASIONAL STAFF. NOTIFICATION IS REQUIRED.
6 - EXAM. ROOMS USED FOR PERSONAL EXAMS. NOTIFICATION IS REQUIRED.	13 - DAYROOM (CONDITIONS I-IV). ROOMS USED FOR DAYROOM AND ROAMING STAFF. NOTIFICATION IS NOT REQUIRED.
7 - CORRIDORS. ALL OCCUPANTS USE AS EGRESS PATH. NOTIFICATION IS REQUIRED.	14 - TUNNELS. ROOMS OCCUPIED BY STAFF FOR PATHWAY. NOTIFICATION IS REQUIRED.



DAS IMCC FIRE ALARM REPLACEMENT

2700 Coral Ridge Ave
Coralville, Iowa 52224

Project No: 9445.00

Date: 07/31/2025

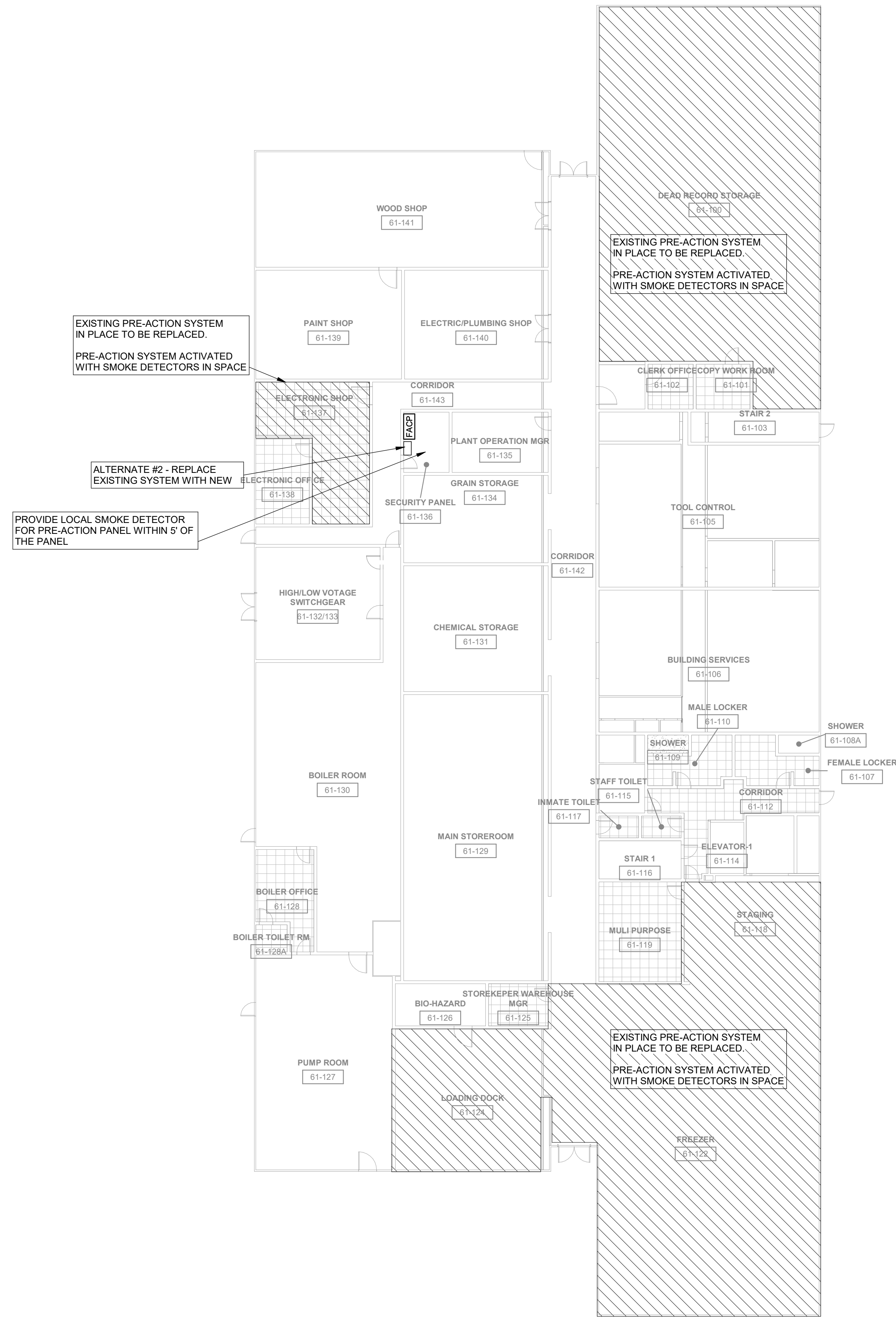
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#	Revision	Date

Drawing Name:
ALTERNATE #1 - WAREHOUSE - FIRST FLOOR - FIRE DETECTION & ALARM PLANS

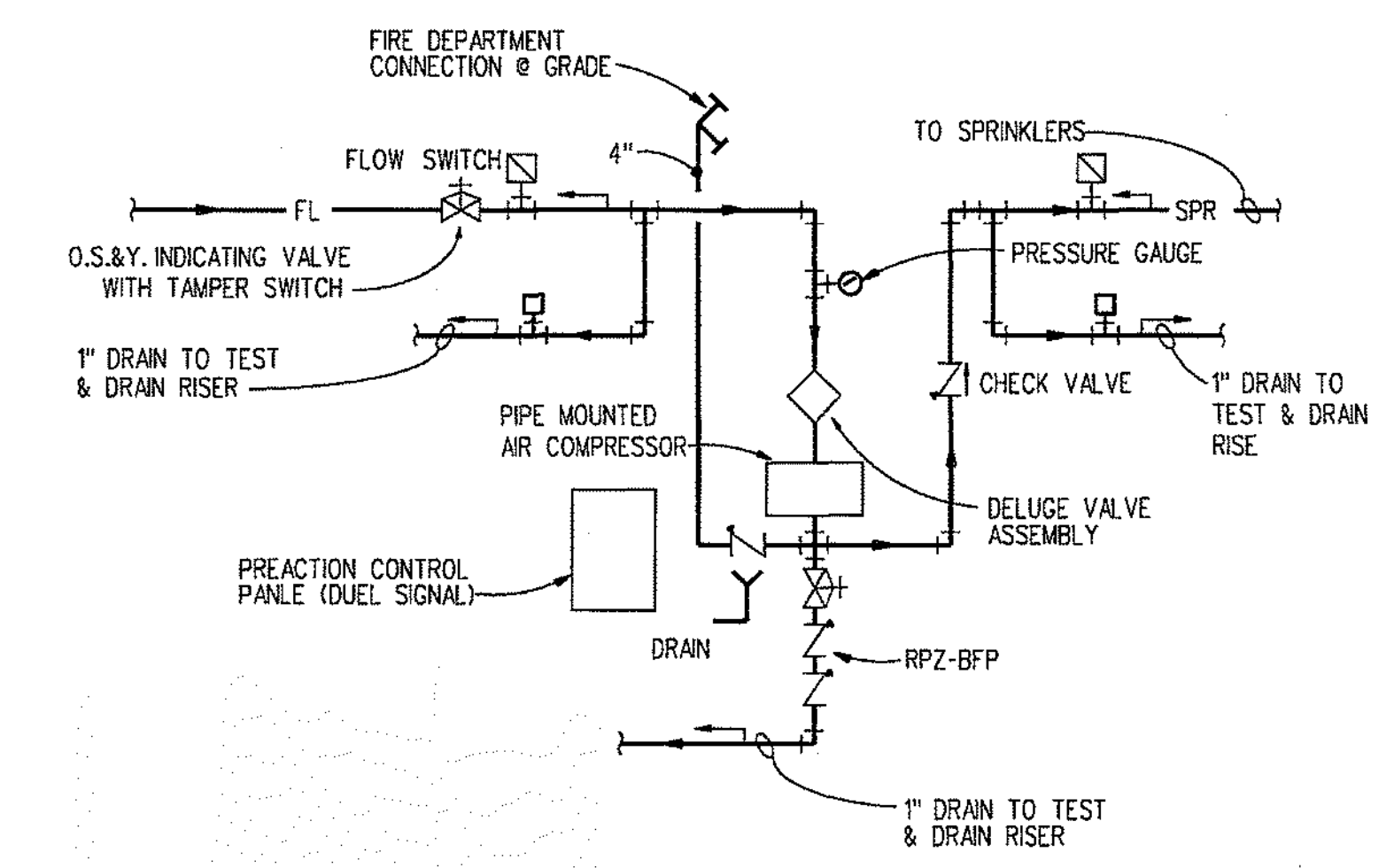
Drawing #:

FA91



1 ALTERNATE #2 - FIRST FLOOR CEILING PLAN - POWERHOUSE BUILDING WEST
1/16" = 1'-0"

PRE-ACTION SYSTEM DIAGRAM PROVIDED FOR REFERENCE TO EXISTING SYSTEM INTEGRATION



PRE-ACTION FIRE PROTECTION PIPING SCHEMATIC
NO SCALE

- PRE-ACTION GENERAL NOTES:**
1. PRE-ACTION SYSTEM REPLACEMENT SHALL BE BID AS ADD ALTERNATE #2.
 2. ADDITIONAL FIRE ALARM DEVICES AND SYSTEM INTEGRATION MAYBE INCLUDED AND PROVIDED BY THE CONTRACTOR AS A SUITABLE ALTERNATIVE TO THE PRE-ACTION SYSTEM AND DETECTION.

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 Coralville, Iowa 522241

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#	Revision	Date

Drawing Name:
ALTERNATE #2 -
POWERHOUSE #2 - FIRST
FLOOR - PRE-ACTION

Drawing #:

FA92

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#	Revision	Date

Drawing Name:
FIRE ALARM FIBER ONE-LINE

Drawing #:
FA99

PHASE LEGEND

- EXISTING DEVICE TO REMAIN
- - - REPLACE EXISTING DEVICE
- ▭ NEW DEVICE, NEW LOCATION

EXISTING RISER DIAGRAM GENERAL NOTES:

- A. RISER DIAGRAM IS INTENDED TO COMMUNICATE BACKBONE PATHWAYS BETWEEN PANELS AND THE UTILIZATION OF MULTIMODE FIBER OPTIC CONNECTIVITY. DIAGRAM IS NOT INTENDED TO BE EXHAUSTIVE.
- B. AS ILLUSTRATED, ALL CONVENTIONAL FIRE DETECTION AND ALARM CONTROL PANELS ARE CURRENTLY BEING MONITORED FOR GENERAL ALARM PURPOSES. FIBER UTILIZED SERVING CONVENTIONAL PANELS ARE INTERFACED WITH TRANSMITTERS TO CONVERT CONTACT CLOSURES TO OPTICAL SIGNALS. RECEIVERS ARE HOSTED AT THE MASTER CONTROL ROOM WITHIN A RACK, ENCLOSURE AND A PART OF A SINGLE SIGNAL CIRCUIT (S/C) TO MONITOR THE STATE OF EACH OF THESE BUILDINGS. TRANSMITTERS ARE HOSTED AT EACH CONVENTIONAL FIRE ALARM CONTROL PANEL LOCATION INSIDE OF THE ENCLOSURE.
- C. EXISTING FIBER STRANDS IN USE ARE STRANDS 1-6. NEW FIRE ALARM PANELS CAN UTILIZE 7-10 FOR NEW SYSTEM. THIS WILL ALLOW MIGRATION OF THE SYSTEM.
- D. MASTER CONTROL NODE #1 WILL REMAIN THE MAIN PANEL FOR THE SYSTEM. ALL ANNUNCIATORS WILL CONNECT TO THIS PANEL.

