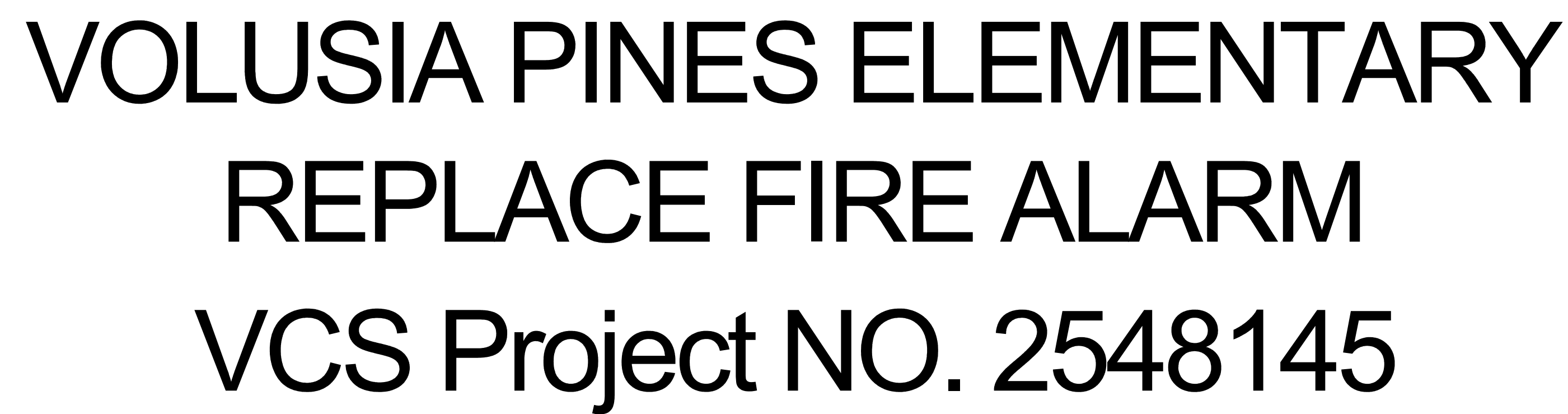




VCS Project NO. 2548145

SCHOOL BOARD MEMBERS

BOARD CHAIR
BOARD VICE CHAIR
MEMBER
MEMBER
MEMBER

SUPERINTENDENT



Engineer of Record (EOR) Statement of Compliance

To the best of my knowledge, these drawings and the project manual are complete and comply with the Florida Building Code.

BUILDING DATA

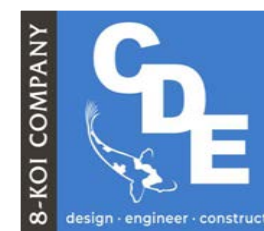
A.	SURVEY PARCEL ID	XXX
B.	LEGAL DESCRIPTION	XXX
C.	OCCUPANCY TYPE	XXX
D.	CONSTRUCTION TYPE	TYPE XXX
E.	RISK CATEGORY	XXX
F.	AUTOMATIC SPRINKLER	XXX
G.	BUILDING AREA	XXX
H.	BUILDING HEIGHT	XXX
I.	OCCUPANT LOAD	XXX

LOCATION MAP



ENGINEERS & CONSULTANTS

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DRAWING INDEX

REV	INDEX	DRAWING	DESCRIPTION
-	-	G-001	COVER SHEET AND INDEX
-	-	E001	FIRE ALARM COVER SHEET
-	-	E002	FIRE ALARM DETAILS
-	-	E003	FIRE ALARM RISER DIAGRAMS
-	-	E004	FIRE ALARM RISER DIAGRAMS
-	-	E100	SITE PLAN - FIRE ALARM
-	-	ED101	BUILDING 1 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED102	BUILDING 2 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED103	BUILDING 3 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED104	BUILDING 4 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED105	BUILDING 5 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED106	BUILDING 6 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED107	BUILDING 7 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	ED108	BUILDING 8 FLOOR PLAN - FIRE ALARM DEMOLITION
-	-	E101	BUILDING 1 FLOOR PLAN - FIRE ALARM
-	-	E102	BUILDING 2 FLOOR PLAN - FIRE ALARM
-	-	E103	BUILDING 3 FLOOR PLAN - FIRE ALARM
-	-	E104	BUILDING 4 FLOOR PLAN - FIRE ALARM
-	-	E105	BUILDING 5 FLOOR PLAN - FIRE ALARM
-	-	E106	BUILDING 6 FLOOR PLAN - FIRE ALARM
-	-	E107	BUILDING 7 FLOOR PLAN - FIRE ALARM
-	-	E108	BUILDING 8 FLOOR PLAN - FIRE ALARM

CONSTRUCTION DOCUMENTS - 05/21/2025

REVISIONS

[illegible]

**VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744**

EOR
M. CHARMBURY

DESIGNED BY
L. BECK

DRAWN BY
L. BECK

ISSUE DATE
05/21/2025

AE PROJECT NUMBER
60237.24.003

SHEET TITLE
COVER SHEET AND INDEX

DRAWING NO.

G-001

GENERAL NOTES AND REQUIREMENTS.

1. ALL BOXES MOUNTED IN RATED WALLS SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2023 FBC, SECTION 714.4.2. UNLESS OTHERWISE NOTED, DEVICES SHOWN IN RATED WALLS SHALL BE FLUSH WITH CONDUIT CONCEALED. PROVIDE HORIZONTAL SEPARATION, PUTTY PADS, RATED BOXES ETC. AS REQUIRED FOR REQUIRED INSTALLATION.
2. SEE ARCHITECTURAL CEILING PLANS FOR CEILING TYPES. WHERE NEW INACCESSIBLE GYP. CEILINGS ARE BEING INSTALLED THE CONTRACTOR SHALL NOT MOUNT ANY JUNCTION BOXES, CONDUIT BODIES OR OTHER EQUIPMENT OR FITTINGS REQUIRING ACCESS ABOVE THE NEW INACCESSIBLE CEILING, AND SHALL RELOCATE ALL SUCH ITEMS REQUIRING ACCESS TO ADJACENT AREAS WHERE ACCESS IS PROVIDED. NO ACCESS PANELS IN THE HARD CEILING ARE ALLOWED WITHOUT APPROVAL.
3. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS. THE LOCATION OF ALL WALL MOUNTED DEVICES, INCLUDING MOUNTING HEIGHTS, SHALL BE FIELD VERIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE LOCATIONS OF ALL LIGHT FIXTURES WITH THE REFLECTED CEILING PLANS. LIGHT FIXTURES INSTALLED IN MECHANICAL AREAS SHALL AVOID MECHANICAL PIPING, EQUIPMENT, DUCTWORK, ETC.
4. THE CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO INSTALLATION OF ELEC. EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
5. CONTRACTOR SHALL INCLUDE COST OF PAINTING ALL EXPOSED CONDUITS SUBJECT TO PUBLIC VIEW. JUNCTION BOX COVERS SHALL BE PERMANENTLY LABELED AND CONDUIT SHALL BE LABELED EVERY 10'.
6. CONDUITS AND CABLES SHALL BE CONCEALED WHEREVER POSSIBLE BY EITHER ROUTING ABOVE CEILING, IN INTERSTITIAL SPACES OR RUNNING EXPOSED IN UNFINISHED SPACES AS MUCH AS FEASIBLE. CONDUITS MAY BE RUN EXPOSED IN MECHANICAL AREAS OR OTHER AREAS NOT SUBJECT TO PUBLIC VIEW WHERE APPROVED BY THE OWNER. WHEREVER CONDUITS OR CABLES ARE EXPOSED, CONDUITS AND CABLES SHALL BE RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS AND SHALL BE RUN AND RUMBLED IN GROUPS, AND THE INSTALLATION SHALL BE NEAT AND ORDERLY. EVEN WHEN EXPOSED, CONDUITS AND CABLES SHALL BE ROUTED TO MINIMIZE VIEW FROM PERSONNEL. SEAL ALL PENETRATIONS AIR TIGHT AROUND ALL CONDUITS PASSING THROUGH WALLS OR FLOORS USING APPROPRIATE PENETRATION PROTECTION WHEN PASSING INTO OR THROUGH RATED ASSEMBLIES.
7. ALL MOUNTING HEIGHTS ARE GIVEN TO THE BOTTOM OF THE DEVICE UNLESS NOTED OTHERWISE.
8. THE CONTRACTOR SHALL PATCH ANY WALL, CEILING, OR FLOOR OPENINGS AND PENETRATIONS RESULTING FROM DEMOLITION OR NEW WORK IN EXISTING AREAS.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISPOSING OF ALL WASTE MATERIALS, DEMO MATERIALS AND OTHER TRASH. THIS INCLUDES BUT IS NOT LIMITED TO PROPER DISPOSAL OF MERCURY CONTAINING LAMPS, RECYCLABLE MATERIALS ETC.
10. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE W/ ALL OTHER TRADES REGARDING VOLTAGES, LOADS, CIRCUIT BREAKERS, ETC. PRIOR TO BEGINNING ANY WORK.
11. AS USED ON THESE DOCUMENTS, THE WORD "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL THE ITEM OR EQUIPMENT AND MAKE THE FINAL CONNECTION AS REQUIRED.
12. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE, ACCESSIBILITY CODE, WHICH ARE APPLICABLE TO THIS PROJECT REGARDLESS OF WHETHER ALL DETAILS ARE INDICATED ON PLANS.
13. ALL PULL STATIONS SHALL COMPLY WITH ALL REQUIREMENTS OF 2023 FLORIDA STATE BUILDING CODE, CHAPTER 11 ACCESSIBILITY CODE.
14. CONTRACTOR SHALL VERIFY ALL AREAS THAT ARE USED AS A RETURN PLENUM WITH MECHANICAL CONTRACTOR AND PROVIDE PLENUM RATED CABLE FOR ALL CABLES NOT RUN IN METAL CONDUIT. THIS INCLUDES ALL TELECOMMUNICATIONS, FIRE ALARM, OR CONTROL WIRING ABOVE CEILING.
15. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SEISMIC REQUIREMENTS.
16. BOXES AND WIRING SHALL NOT BE RECESSED INTO OR PENETRATE STRUCTURAL COLUMNS. BOXES/CONDUITS SHALL BE SURFACE MOUNTED TO COLUMN AND/OR RECESSED IN STUD WALL WHERE POSSIBLE. COORDINATE WITH ARCHITECT.
17. ALL EQUIPMENT CONNECTED TO OR ASSOCIATED WITH FIRE ALARM SYSTEM OR OTHERWISE INCLUDED IN THE SCOPE OF WORK SHALL BE LISTED AND LABELED BY A THIRD PARTY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
18. CCE HAS RESERVED THE OPPORTUNITY TO CHOOSE THE SOFTWARE PACKAGE(S) OR OTHER MEANS DEEMED MOST EFFICIENT TO DELIVER THESE PLANS AND CONSIDERS ANY DIGITAL FILES OR SOFTWARE USED DURING THIS PROCESS AS INSTRUMENTS OF SERVICE, AND AS SUCH REMAIN THE SOLE PROPERTY OF CCE. THE CONTRACTOR SHOULD NOT ASSUME THAT DIGITAL FILES IN ANY FORMAT WILL BE MADE AVAILABLE DURING BIDDING OR AFTER AWARD. IF DIGITAL FILES ARE REQUESTED, CCE RESERVES THE RIGHT TO SELECTIVELY PROVIDE THEM WHEN AVAILABLE AND/OR REQUEST ADDITIONAL CONSIDERATION FOR THE TIME INCURRED TO PREPARE THEM.
19. CONTRACTOR SHALL NOT PUT AN ACCESS DOOR IN HARD CEILING FOR ANY REASON. CONTRACTOR SHALL INSTALL APPROPRIATE JUNCTION BOXES, ETC. ABOVE THE CEILING IN AREAS THAT CAN BE ACCESSSED BY THE REMOVAL OF LAY-IN GRID.

FIRE ALARM NOTES:

1. SEE LEGEND & SPECIFICATIONS FOR MODEL NUMBERS.
2. ALL FIRE ALARM SYSTEM CONDUCTORS SHALL BE RUN IN 3/4" EMT CONDUIT UNLESS NOTED OTHERWISE. PROVIDE ALL HANGERS, JUNCTION BOXES, FITTINGS, SUPPORTS ETC. AS REQUIRED. J.B. COVERS FOR ALL FIRE ALARM JUNCTION BOXES SHALL BE LABELED AND PAINTED RED. CIRCUITS CAN BE COMBINED IN CONDUIT AS NECESSARY.
3. PROVIDE SYNCHRONIZATION AS REQUIRED BY ADA.
4. A DECIBEL LEVEL OF 15 DBA ABOVE AVERAGE AMBIENT (PER 2019 NFPA 72, TABLE A.18.4.3) SHALL BE MAINTAINED IN ALL OCCUPIABLE AREAS MEASURED 5' ABOVE THE FLOOR USING THE A-WEIGHTED SCALE, UNLESS OTHERWISE NOTED. A MINIMUM OF 90 DBA SHALL BE MAINTAINED IN ALL MECHANICAL EQUIPMENT ROOMS. THE TOTAL SOUND PRESSURE LEVEL PRODUCED BY COMBINING THE AMBIENT AND NOTIFICATION LEVELS SHALL NOT EXCEED 110 DBA ANYWHERE IN THE OCCUPIABLE AREA. DEVICES HAVE BEEN SHOWN TO PROVIDE THE GENERAL INFRASTRUCTURE TO ACHIEVE SUCH LEVELS HOWEVER, DUE TO SPECIFIC SITE CONSIDERATIONS INCLUDING WALL CONSTRUCTION AND SOUND ATTENUATION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST THE LEVEL OF ALL AUDIBLE DEVICES AS NEEDED AND PROVIDE ANY ADDITIONAL AUDIBLE DEVICES AS REQUIRED TO MEET THESE AUDIBILITY REQUIREMENTS.
5. PROVIDE PLACARDS FOR THE ENTIRE FIRE ALARM SYSTEM FOR ZONES AND DEVICE ADDRESSES. PROVIDE PANEL AND CIRCUIT NUMBERS ON A ZONE MAP AFFIXED TO OR ADJACENT TO THE FACP OR AS REQUIRED BY THE FIRE MARSHAL.
6. FUNCTIONAL TESTING METHOD OF PROPER OPERATION OF SMOKE DETECTORS SHALL BE DETERMINED BY AHJ.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THIS INSTALLATION AND DESIGN OF FIRE ALARM SYSTEM COMPLY WITH ALL REQUIREMENTS OF THE FLORIDA BUILDING CODE, CHAPTER 9, FLORIDA FIRE PREVENTION CODE, NFPA 72 AND NFPA 70. CONTRACTOR SHALL REVIEW DESIGN DRAWINGS PRIOR TO BID/BEGINNING WORK AND SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY ITEMS WHICH HE FEELS MAY BE OMITTED, INSUFFICIENT, ETC. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ANY ADDITIONAL REQUIRED ITEMS NOT NOTED TO ENGINEER PRIOR TO BEGINNING WORK AT NO ADDITIONAL COST TO OWNER.
8. CONTRACTOR SHALL PROVIDE ALL TESTING AND DOCUMENTATION AS REQUIRED BY THE LOCAL FIRE MARSHAL AND STATE AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO:
1. ACCEPTANCE TESTS AS REQUIRED PER 2023 FLORIDA BUILDING CODE, SECTION 907.7.
2. REQUIRED INSPECTIONS, TESTING AND MAINTENANCE AS REQUIRED BY THE 2023 FLORIDA BUILDING CODE.
3. INSTRUCTIONS PER 2023 FLORIDA BUILDING CODE, SECTION 907.7.3 AND RECORD OF COMPLETION PER 2023 FLORIDA BUILDING CODE, SECTION 907.7.2.
9. CONTRACTOR SHALL VERIFY THAT THE EXISTING SYSTEM IS CONNECTED TO A UL APPROVED CENTRAL MONITORING STATION AS REQUIRED BY THE APPLICABLE CODE AT THE TIME OF CONNECTION. IF AN APPROVED CONNECTION DOES NOT EXIST, THE CONTRACTOR SHALL PROVIDE A LISTED CELLULAR DIALER SYSTEM (WITH INTEGRAL 24 HOUR BATTERY BACKUP) THAT COMPLES WITH 2019 NFPA 72, SECTION 26.6 AS THE SOLE/PRIMARY MEANS OF COMMUNICATION. PROVIDE FOR A SECONDARY METHOD OF COMMUNICATION WHERE REQUIRED BY THE AHJ. NOTE THAT 2019 NFPA 72 DOES NOT PERMIT TELEPHONE LINE(S) AS THE SOLE MEANS OF COMMUNICATION. IF ANOTHER APPROVED COMMUNICATION METHOD IS ELECTED, THE FIRE ALARM CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL NECESSARY COMMUNICATION EQUIPMENT AND PROVIDE 24 HOUR BATTERY BACKUP FOR ALL SUCH EQUIPMENT AS PART OF THE FIRE ALARM SCOPE.
10. DEVICES SHALL BE OF COLOR SPECIFIED OR MATCH THE COLOR OF ANY EXISTING FIXTURES TO REMAIN OR BE REUSED IN THE AREA OF WORK IF THERE ARE EXISTING DEVICES TO MATCH.
11. PULL STATIONS ARE ONLY PROVIDED AT REQUIRED EXITS.
12. THE CONTRACTOR SHALL SUBMIT FIRE ALARM SHOP DRAWINGS TO THE FIRE PREVENTION OFFICE PRIOR TO BEGINNING WORK. NO INSPECTIONS ALLOWED PRIOR TO RECEIVING APPROVAL FROM THE FIRE MARSHAL.
13. ALL FIRE ALARM DEVICES IN COMMON SIGHT LINES MUST BE VISUALLY SYNCHRONIZED AND ALL AUDIBLE FIRE ALARM DEVICES MUST BE AUDIBLY SYNCHRONIZED AND OF A CONSISTENT AUDIBLE SIGNAL THROUGHOUT THE BUILDING. REPLACE DEVICES AND / OR PROVIDE SYNC MODULES IN BOOSTER PANELS / NAC OUTPUTS AS NECESSARY TO ACHIEVE SYNCHRONIZATION THROUGHOUT. EXISTING DEVICES / BOOSTER PANELS SHOWN TO REMAIN ON THESE DRAWINGS SHOULD BE CONSIDERED EXISTING TO REMAIN ONLY IF THE FIRE ALARM CONTRACTOR VERIFIES THEIR ABILITY TO SYNCHRONIZE, AND SHOULD BE CONSIDERED NEW OTHERWISE. ALL COST ASSOCIATED WITH SYNCHRONIZATION SHOULD BE IDENTIFIED AND INCLUDED IN ANY PRICING OR BIDS.
14. INTERLOCK FIRE ALARM SYSTEM WITH SECURITY SYSTEM SUCH THAT WHEN FIRE ALARM SYSTEM IS ACTIVATED, SECURITY SYSTEM UNLOCKS DOORS AS REQUIRED BY 2023 FLORIDA BUILDING CODE, SECTION 1008.1.4.4, NOTE #4. COORDINATE WITH SECURITY CONTRACTOR. SYSTEM SHALL FAIL SAFE OPEN UPON POWER LOSS.
15. THE CONTRACTOR SHALL PREPARE FIRE ALARM SHOP DRAWINGS INCLUDING A FLOOR PLANS) SHOWING DEVICE AND CIRCUIT LAYOUTS WITH A DETAILED RISER DIAGRAM SHOWING EACH DEVICE AND ALL CIRCUITRY. FIRE ALARM SHOP DRAWINGS SHALL INCLUDE DETAILED BATTERY AND VOLTAGE DROP CALCULATIONS AS REQUIRED BY THE 2023 FLORIDA BUILDING CODE, SECTION 907. BATTERY CALCULATIONS SHALL SHOW BATTERY REQUIREMENTS FOR THE ENTIRE SYSTEM (INCLUDING ANY OTHER FITUPS). IF BATTERY CALCULATIONS SHOW THE SYSTEM AS INSUFFICIENT, CONTRACTOR SHALL PROVIDE ALTERNATE PRICE TO ADD A NEW 4 CIRCUIT POWER EXTENDER(S) AND CONNECT REQUIRED DEVICES TO IT. CONTRACTOR SHALL SUBMIT MINIMUM 5 COPIES OF PLAN, RISER DIAGRAM, BATTERY CALCULATIONS & VOLTAGE DROP CALCULATIONS WITH SUBMITTAL DATA TO ENGINEER FOR REVIEW PRIOR TO BEGINNING ANY WORK OR SUBMITTING TO THE LOCAL FIRE MARSHAL.
16. INITIATING DEVICE CIRCUITS SHALL BE LOADED TO A MAXIMUM OF 75% CAPACITY.
17. AUDIO/VISUAL CIRCUITS SHALL BE LOADED TO A MAXIMUM OF 75% CAPACITY.
18. PROVIDE POWER EXTENDERS AS REQUIRED FOR NOTIFICATION APPLIANCE CIRCUITS.
19. RISER DIAGRAM DEVICES ARE GENERIC AND DO NOT REPRESENT DEVICE QUANTITIES REQUIRED FOR THIS PROJECT. SEE PLANS FOR QUANTITIES.
20. ALL CONDUITS AND JUNCTION BOXES SHALL BE COLOR CODED AND LABELED PER VOLUSIA COUNTY SCHOOLS CONSTRUCTION GUIDELINES.

RENOVATION NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.
2. SEE ARCHITECTURAL FOR EXTENT OF RENOVATIONS. IN AREAS WHERE AN EXISTING CEILING IS BEING RAISED, OR A NEW CEILING IS BEING INSTALLED, THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH RELOCATING EXISTING DEVICES AND SYSTEMS AS REQUIRED TO ACCOMMODATE THE NEW CEILING INSTALLATION. THIS SHALL INCLUDE RELOCATING ANY EQUIPMENT REQUIRING ACCESS WHEN A NEW OR CHANGED CEILING DOES NOT PROVIDE ACCESS.
3. DEVICES SHOWN TO REMAIN SHALL REMAIN CONNECTED OR BE RECONNECTED TO EXISTING CIRCUITS. FIRE ALARM NOTIFICATION AND SLC CIRCUITS BROKEN DURING DEMOLITION SHALL BE RECONNECTED WHEN REQUIRED TO STAY IN SERVICE FOR NEW OR EXISTING DEVICES TO REMAIN. WHERE THE REMOVAL OR RECONFIGURATION OF A DEVICE WILL RENDER A PORTION OF A CIRCUIT (BUT NOT THE WHOLE CIRCUIT) UNNECESSARY, THE UNNECESSARY PORTION OF THE CIRCUIT (CONDUCTORS AND CONDUIT) SHALL BE REMOVED AS REQUIRED. WHERE AN ENTIRE NOTIFICATION CIRCUIT IS MADE UNNECESSARY BY DEMOLITION ACTIVITIES, THE ENTIRE CIRCUIT (CONDUIT AND CONDUCTORS) SHALL BE REMOVED BACK TO THE FACP OR POWER EXTENDER AS APPROPRIATE.
4. MOUNT NEW DEVICES INSTALLED ON EXISTING WALLS AND CEILINGS FLUSH W/ CONDUCTORS/CONDUIT CONCEALED.

FIRE ALARM LEGEND

SYMBOL (NEW)	SYMBOL (EXISTING)	SYMBOL (DEMOLISH)	DESCRIPTION	NOTES	MODEL NUMBER
			FIRE ALARM CONTROL PANEL	24V, ADDRESSABLE, WITH 318-POINT SLC LOOP, RED ENCLOSURE	NOTIFIER #NFS2-640
			FIRE ALARM TERMINAL CABINET	-	NEW TO MATCH EXISTING
			SECURITY CABINET	-	EXISTING
			FIRE ALARM POWER EXTENDER	4 OUTPUT NOTIFICATION APPLIANCE CIRCUITS WITH 8.0 AMP FULL LOAD OUTPUT (3.0 AMP MAX PER CIRCUIT).	NOTIFIER #FCPS-24S8
			FIRE ALARM ANNUNCIATOR PANEL	-	NOTIFIER #FDU-80
			INTERNAL DIGITAL COMMUNICATOR	-	NOTIFIER #UDACT
			ADDRESSABLE MANUAL PULL STATION - RED	MOUNT AT 44" AFF TO CENTER OF BOX.	NOTIFIER #NBG-12LX
			MANUAL PULL STATION - RED	RATED FOR OUTDOOR USE WITH BACKBOX. MOUNT AT 44" AFF TO CENTER OF BOX. CONNECT VIA MONITOR MODULE LOCATED WITHIN CONDITIONED SPACE.	NOTIFIER #NBG-12LOB
			FIRE ALARM SMOKE DETECTOR	-	NOTIFIER #FSP-851
			FIRE ALARM HEAT DETECTOR	FIXED TEMPERATURE ONLY FOR ELEVATOR SHUNT TRIP ACTIVATION, FIXED TEMP. AND RATE OF RISE FOR ALL OTHER APPLICATIONS NOT NOTED OTHERWISE.	NOTIFIER #FST-851 SERIES
			DUCT SMOKE DETECTOR WITH REMOTE LED INDICATOR	-	NOTIFIER #FSD-751PL W/ NOTIFIER #RTS451
			RELAY MODULE	-	NOTIFIER #FRM-1
			DOOR HOLDER	CONNECT AS REQUIRED.	NOTIFIER #FM998
			WALL MOUNTED FIRE ALARM VISUAL STROBE ONLY - WHITE	CANDELA STROBE AS INDICATED ON PLANS, CONNECT AS REQUIRED. SEE MOUNTING HEIGHT DETAIL FOR MOUNTING REQUIREMENTS.	SYSTEM SENSOR SPECTRALERT #SWL
			CEILING MOUNTED FIRE ALARM VISUAL STROBE ONLY - WHITE	CENTER DEVICE IN CEILING TILE, DEVICE SHALL BE UL LISTED FOR USE IN CEILINGS. CONNECT AS REQUIRED. STROBE AS INDICATED ON PLANS.	SYSTEM SENSOR SPECTRALERT #SCVL
			WALL MOUNTED FIRE ALARM HORN/STROBE - WHITE	CANDELA STROBE AS INDICATED ON PLANS, CONNECT AS REQUIRED. SEE MOUNTING HEIGHT DETAIL FOR MOUNTING REQUIREMENTS.	SYSTEM SENSOR SPECTRALERT #P2WL
			CEILING MOUNTED FIRE ALARM HORN/STROBE - WHITE	CENTER DEVICE IN CEILING TILE, DEVICE SHALL BE UL LISTED FOR USE IN CEILINGS. CONNECT AS REQUIRED. STROBE AS INDICATED ON PLANS.	SYSTEM SENSOR SPECTRALERT #PC2WL
			WALL MOUNTED FIRE ALARM SPEAKER/STROBE - WHITE	CANDELA STROBE AS INDICATED ON PLANS, CONNECT AS REQUIRED. SEE MOUNTING HEIGHT DETAIL FOR MOUNTING REQUIREMENTS	SYSTEM SENSOR SPECTRALERT #SPSWL
			WALL MOUNTED FIRE ALARM SPEAKER ONLY - WHITE	CONNECT AS REQUIRED. SEE MOUNTING HEIGHT DETAIL FOR MOUNTING REQUIREMENTS.	SYSTEM SENSOR SPECTRALERT #SPWL
			CEILING MOUNTED FIRE ALARM SPEAKER/STROBE - WHITE	CENTER DEVICE IN CEILING TILE, DEVICE SHALL BE UL LISTED FOR USE IN CEILINGS. CONNECT AS REQUIRED. STROBE AS INDICATED ON PLANS.	SYSTEM SENSOR SPECTRALERT #SPSCVL
			CEILING MOUNTED FIRE ALARM SPEAKER ONLY - WHITE	CENTER DEVICE IN CEILING TILE, DEVICE SHALL BE UL LISTED FOR USE IN CEILINGS. CONNECT AS REQUIRED.	SYSTEM SENSOR SPECTRALERT #SPCVL

FIRE ALARM LINETYPE LEGEND

—————	NEW DEVICE OR RELOCATED EXISTING DEVICE
-----	EXISTING DEVICE TO REMAIN
.....	EXISTING DEVICE TO BE DEMOLISHED OR RELOCATED
--- NACI ---	EXISTING NAC CIRCUIT TO REMAIN. NUMBER INDICATES CIRCUIT IN NAC PANEL.
--- SLC1 ---	EXISTING SLC CIRCUIT TO REMAIN. NUMBER INDICATES CIRCUIT IN CONTROL PANEL.
----- NAC1	NEW NAC CIRCUIT. NUMBER INDICATES CIRCUIT IN NAC PANEL.
----- SLC1	NEW SLC CIRCUIT. NUMBER INDICATES CIRCUIT IN CONTROL PANEL.

BASIS OF DESIGN CODES

ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REFERENCED DESIGN STANDARDS.

1. 2023 FL BUILDING CODES
2. 2023 FL FIRE PREVENTION CODE, 8TH EDITION - LIFE SAFETY CODE
3. 2020 EDITION OF NFPA 70 - NATIONAL ELECTRIC CODE
4. 2019 EDITION OF NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE
5. 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

ANY DIFFERENCES OR CONFLICTS BETWEEN THE REFERENCED STANDARDS AND LOCAL JURISDICTIONAL REQUIREMENTS OR CODE AMENDMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD.

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REVISIONS

DOCUMENT HISTORY		DESCRIPTION	
NO.	DATE		

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

ARCHENGR OF RECORD

EOR
D. SPRADLING

DESIGNED BY
C. CRENSHAW

DRAWN BY
C. CRENSHAW

ISSUE DATE
05/21/2025

AE PROJECT NUMBER
60237.24.003

SHEET TITLE
FIRE ALARM COVER SHEET

DRAWINGS NO.

E001

Diagram illustrating the layout and clearances for a fire alarm system components within a room.

Components and Mounting:

- SMOKE / HEAT DETECTOR:** MOUNT ON APPROVED BOX. CONDUIT OR PLENUM RATED CABLE AS REQUIRED.
- AIR SUPPLY OR RETURN DIFFUSER OR OPENING:**
- GRAPHIC ANNUNCIATOR:**
- CONTROL PANEL:**
- MANUAL PULL STATION:**
- AUDIO / VISUAL DEVICE:**
- SMOKE / HEAT DETECTOR:** (Second location)

Clearances and Dimensions:

- 0'-4" MINIMUM:** Clearance from the wall to the first smoke/heat detector.
- 3'-0" MINIMUM:** Clearance from the first smoke/heat detector to the air supply or return diffuser.
- 0'-6" MINIMUM:** Clearance from the ceiling to the audio/visual device.
- 0'-4" MINIMUM:** Clearance from the ceiling to the second smoke/heat detector.
- 1'-0" MAXIMUM:** Clearance from the ceiling to the top of the door frame.
- 96" MAXIMUM:** Maximum height from the finished floor to the top of the control panel.
- 80" MINIMUM:** Minimum height from the finished floor to the top of the manual pull station.
- 5'-0" MAXIMUM:** Maximum distance from the door to the manual pull station.
- 3'-0" (3'-6" MINIMUM, 4'-0" MAXIMUM):** Clearance from the finished floor to the bottom of the manual pull station.
- 5'-6" MAXIMUM:** Maximum height from the finished floor to the top of the manual pull station.
- HINGED SIDE:** Label for the door.
- FINISHED FLOOR:** Reference line for height measurements.



FIRE ALARM SEQUENCE OF OPERATION:

UPON CHANGE IN STATUS OF ANY DEVICE ON THE SYSTEM, THE FIRE ALARM CONTROL PANEL SHALL ACTIVATE AUDIBLE AND VISIBLE CHANGE INDICATORS AND DISPLAY THE SYSTEM POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT.

REMOVAL OF ANY DEVICE, WIRING DISARRANGEMENT, OR SYSTEM COMPONENT FAILURE, SHALL DISPLAY ON THE OPERATOR TERMINAL, THE CHANGE OF STATUS, TIME, DATE, POINT DESCRIPTION IN A POINT BY POINT BASIS, AND THE MESSAGE ASSOCIATED WITH THE POINT AND TRANSMIT A TROUBLE SIGNAL TO A U.L. LISTED CENTRAL STATION.

INDICATION EVACUATION TONE SHALL BE THREE BEAT TEMPORAL PATTERN WITH PRERECORDED VOICE MESSAGE, UNLESS HIGH RISE OR LARGE ASSEMBLY.

ACTIVATION OF ANY MANUAL STATION, KITCHEN HOOD EXTINGUISHING SYSTEM, WATERFLOW DEVICE, SMOKE DETECTOR, HEAT DETECTOR, SUPERVISORY DEVICE OR OTHER INITIATING DEVICE WILL CAUSE THE FOLLOWING FUNCTIONS TO OCCUR:

MANUAL STATION OPERATION SHALL:

1. ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
2. TRANSMIT AN ALARM SIGNAL TO A U.L. LISTED CENTRAL STATION.
3. ACTIVATE THE AUDIBLE AND VISUAL NOTIFICATION APPLIANCES IN THE BUILDING.
4. RELEASE THE DOOR LOCKING SYSTEMS OF ACCESS-CONTROLLED EGRESS DOORS.
5. SHUT DOWN AIR HANDLERS.

WATERFLOW SWITCH OPERATION SHALL:

1. ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
2. TRANSMIT AN ALARM SIGNAL TO A U.L. LISTED CENTRAL STATION.
3. ACTIVATE THE AUDIBLE AND VISUAL NOTIFICATION APPLIANCES IN THE BUILDING.
4. RELEASE THE DOOR LOCKING SYSTEMS OF ACCESS-CONTROLLED EGRESS DOORS.
5. SHUT DOWN AIR HANDLERS.

SMOKE DETECTOR OR HEAT DETECTOR OPERATION SHALL:

1. ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
2. TRANSMIT AN ALARM SIGNAL TO A U.L. LISTED CENTRAL STATION.
3. ACTIVATE THE AUDIBLE AND VISUAL NOTIFICATION APPLIANCES IN THE BUILDING.
4. RELEASE THE DOOR LOCKING SYSTEMS OF ACCESS-CONTROLLED EGRESS DOORS.
5. SHUT DOWN AIR HANDLERS.

RUCT SMOKE DETECTOR ACTIVATION SHALL:

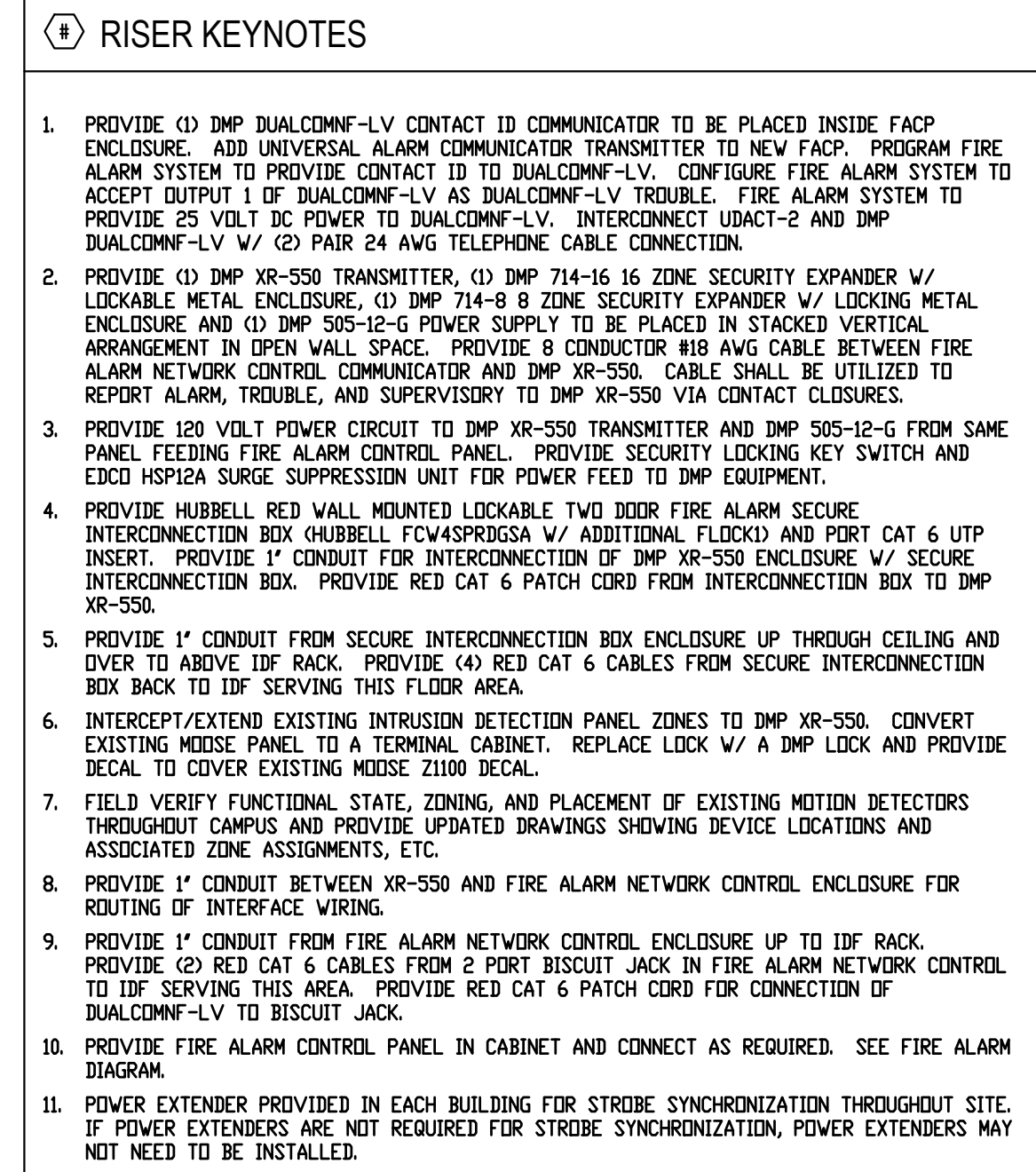
ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.

2. TRANSMIT AN ALARM SIGNAL TO A U.L. LISTED CENTRAL STATION.

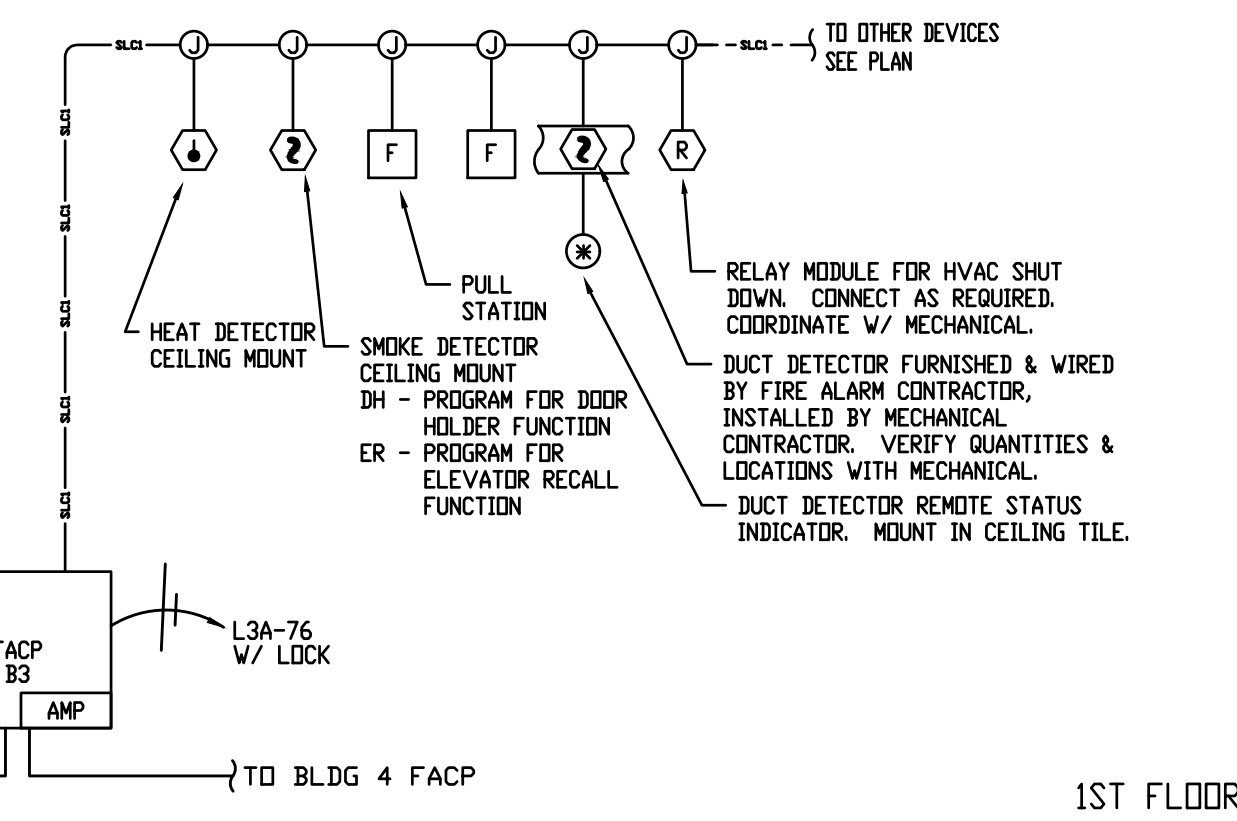
- SHUT DOWN AIR HANDLERS AS FOLLOWS:
 - IN BUILDINGS WITH ONE TENANT OR COMMON HVAC SYSTEM OR ONE LARGE AIR VOLUME, ANY RUCT DETECTOR SHALL SHUT DOWN ALL AIR HANDLERS OF THE HVAC SYSTEM.
 - IN BUILDINGS WITH MULTIPLE TENANTS SEPARATED INTO DIFFERENT AIR VOLUMES WITH HVAC UNITS ASSOCIATED TO THOSE TENANTS / AIR VOLUMES, ANY RUCT DETECTOR WITHIN A GIVEN TENANT / AIR VOLUME SHALL SHUT DOWN ALL AIR HANDLERS ASSOCIATED WITH THAT TENANT / AIR VOLUME.

SUPERVISORY DEVICE ACTIVATION INCLUDING VALVE SUPERVISORY DEVICES SHALL:

1. ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
2. TRANSMIT A SUPERVISORY SIGNAL TO A U.L. LISTED CENTRAL STATION THIS SIGNAL SHALL BE DISTINCTLY DIFFERENT THAN A TROUBLE SIGNAL.

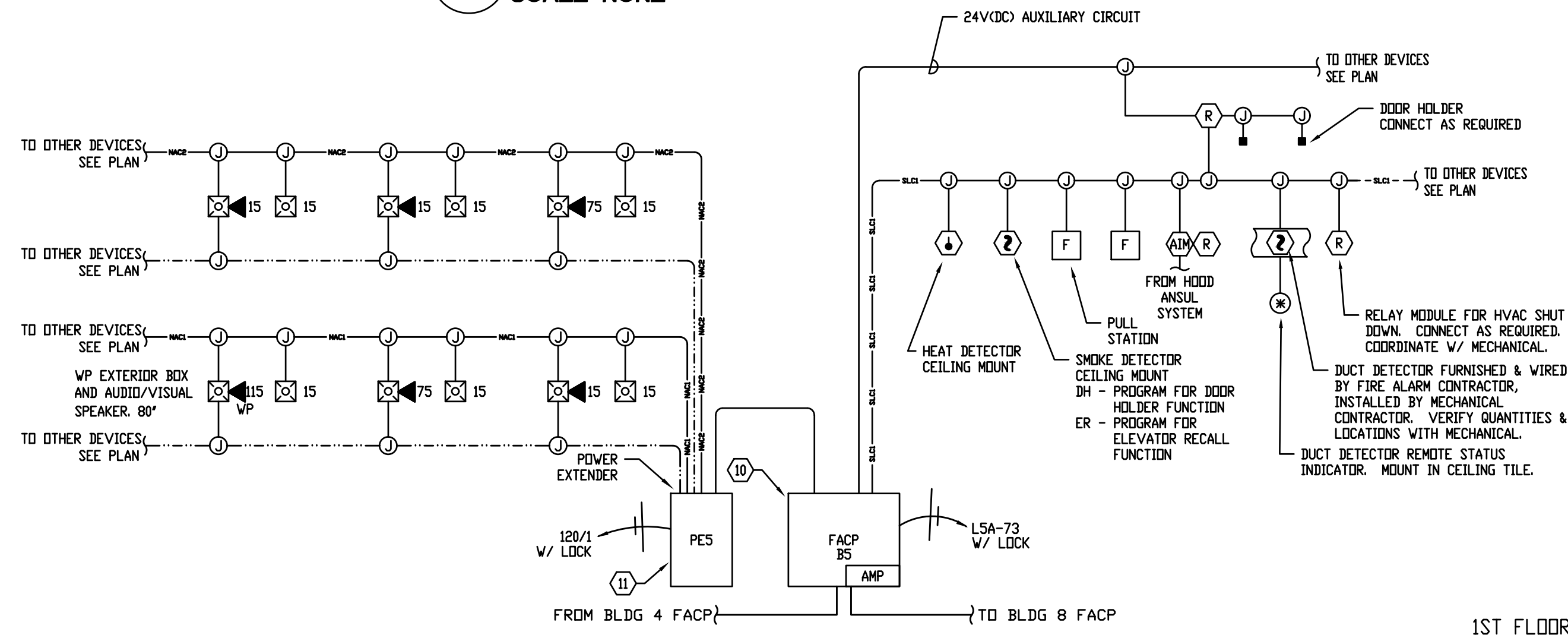


1 BUILDING 1 - FIRE ALARM RISER DIAGRAM
SCALE: NONE



2 BUILDING 2 - FIRE ALARM RISER DIAGRAM

3 BUILDING 3 - FIRE ALARM RISER DIAGRAM



4 BUILDING 4 - FIRE ALARM RISER DIAGRAM
SCALE: NONE

5 BUILDING 5 - FIRE ALARM RISER DIAGRAM
SCALE: NONE

REVISIONS		DOCUMENT HISTORY		DESCRIPTION
NO.	DATE			

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR
D. SPRADLING

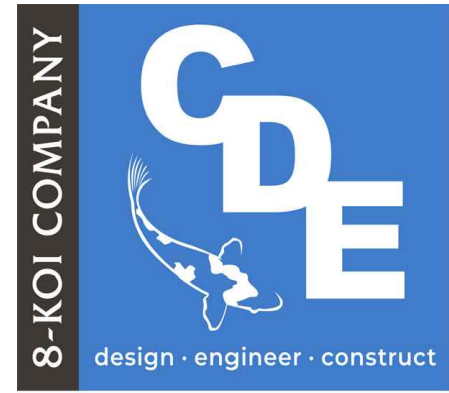
DESIGNED BY
C. CRENSHAW

ISSUE DATE
05/21/2025

SHEET TITLE
FIRE

DRAWING NO.

E003



REVISIONS

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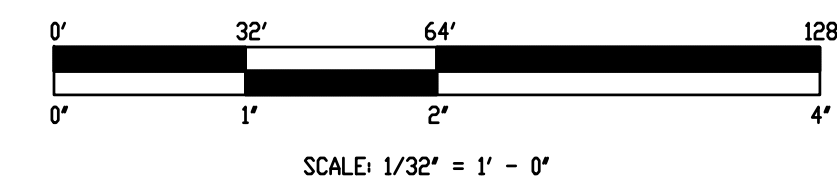
ARCH/ENGR OF RECORD

DRAWING NO.

E100



1. IT IS NOTED THAT THE CEILING IS 8'-10" AFF THROUGHOUT THE SPACE. THEREFORE, FIRE ALARM SYSTEM HAS BEEN DESIGNED BASED ON A MAXIMUM CEILING HEIGHT OF 10'-0" AFF.
2. DECIBEL LEVEL TESTING SHALL BE PERFORMED PRIOR TO CALLING VCS BUILDING DEPARTMENT FOR FINAL INSPECTION. TESTING SHALL TAKE PLACE BEFORE OR AFTER BUSINESS HOURS IN AN OCCUPIED BUILDING. CONDUCT TO VCS BUILDING MANAGEMENT. THE INTENT IS TO ENSURE THE SYSTEM WILL PASS INSPECTION BEFORE CALLING FOR INSPECTION.
3. FIRE ALARM WIRING SHOULD BE PLENUM RATED UNLESS OTHERWISE NOTED.



REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND
ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE.
PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

_____	EXISTING WALL TO REMAIN
_____	NEW WALL TO BE CONSTRUCTED
+++++	WALL TO DECK
-----	EXISTING WALL TO BE DEMOLISHED

1 SITE PLAN - FIRE ALARM
SCALE: 1/32" = 1'-0"



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Registry 8072

[illegible]

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744



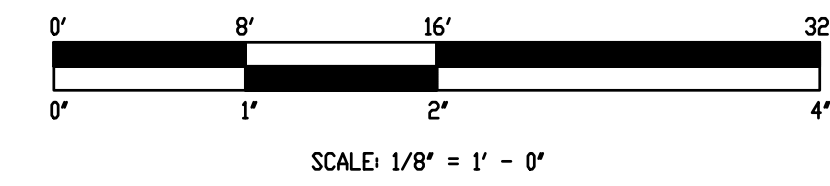
NOTE:

THE EXISTING LOCATIONS SHOWN ON DEMO PLAN TO BE REMOVED OR RELOCATED ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO BEGINNING WORK. ANY ITEMS REQUIRED TO BE REMOVED OR RELOCATED SHALL BE INCLUDED IN CONTRACTORS COST, WHETHER SHOWN ON THIS PLAN OR NOT. UNLESS SPECIFICALLY NOTED OTHERWISE, WHERE A DEVICE OR ITEM IS NOTED TO BE DEMOLISHED, THE WORK SHALL INCLUDE REMOVING ALL ASSOCIATED BOXES, CONDUITS, CONDUCTORS, CABLES ETC. AND SHALL INCLUDE ANY PATCH, REPAIR, PAINT OR REFINISH NECESSARY TO RESTORE THE LOCATION TO MATCH THE SURROUNDING.

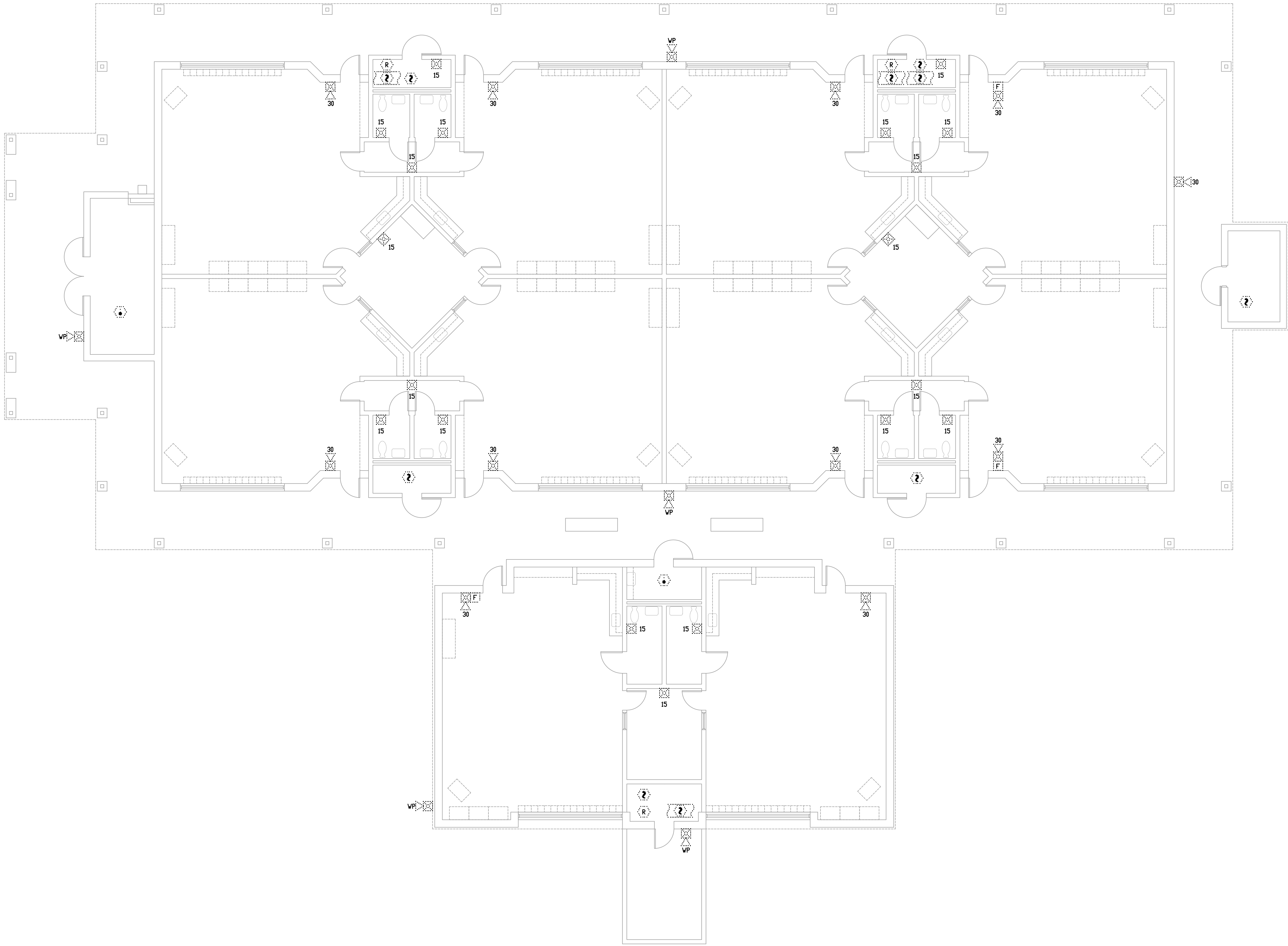
WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND
ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE.
PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

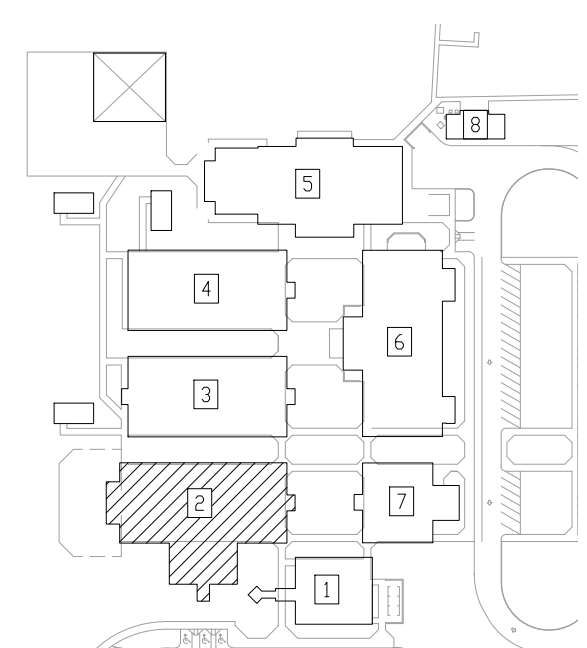
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	NEW WALL TO BE CONSTRUCTED
	WALL TO DECK
	EXISTING WALL TO BE DEMOLISHED



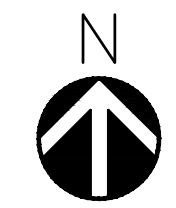
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D. SPRADLING			
DESIGNED BY C. CRENSHAW		DRAWN BY C. CRENSHAW	
ISSUE DATE 05/21/2025		AE PROJECT NUMBER 60237.24.003	
SHEET TITLE BUILDING 1 FLOOR PLAN - FIRE ALARM DEMOLITION			
DRAWING NO. ED101			



1 BUILDING 2 FLOOR PLAN - FIRE ALARM DEMOLITION
SCALE: 1/8" = 1'-0"



2 KEY PLAN
SCALE: NONE



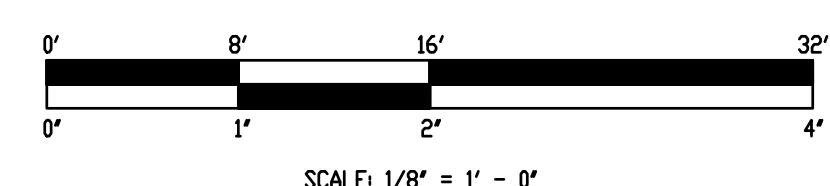
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WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

- | | |
|-------|--------------------------------|
| ————— | EXISTING WALL TO REMAIN |
| ————— | NEW WALL TO BE CONSTRUCTED |
| +++++ | WALL TO DECK |
| ----- | EXISTING WALL TO BE DEMOLISHED |



VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR
D. SPRADLING

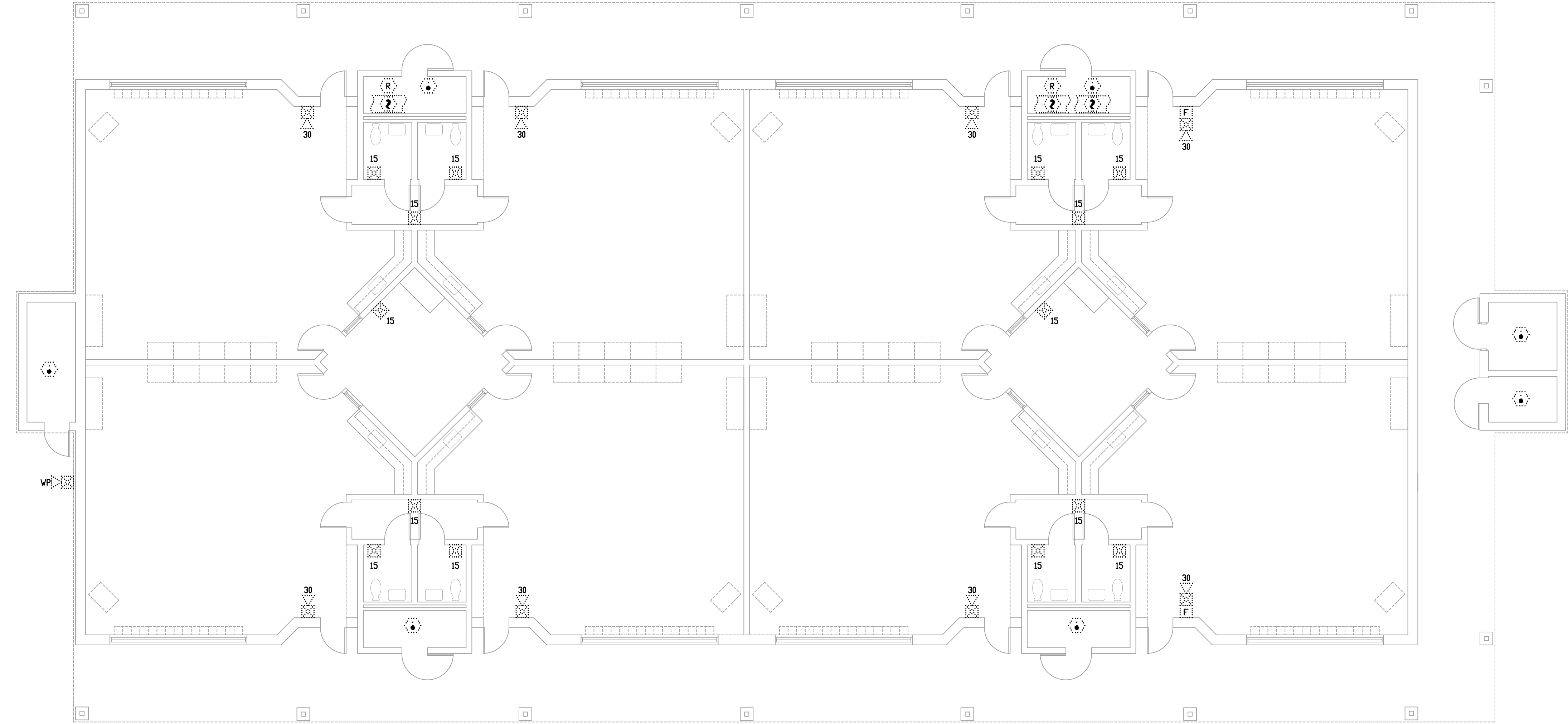
DESIGNED BY
C. CRENSHAW

ISSUE DATE
05/21/2025

AE PROJECT NUMBER
60237.24.003

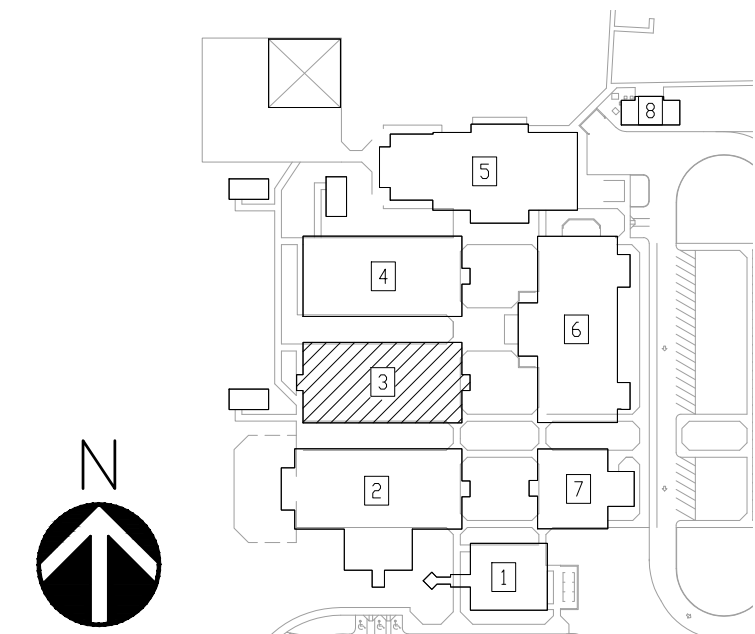
DRAWINGS NO.

ED102



1 BUILDING 3 FLOOR PLAN - FIRE ALARM DEMOLITION
SCALE: 1/8" = 1'-0"

CRENSHAW CONSULTING
engineers
www.crenshawconsulting.com
FL LICENSE #26412 1460 Baytree Dr NE Suite A-103
Palm Bay, Florida 32905
919-871-1070 Fax 871-5620



2 KEY PLAN
SCALE: NONE

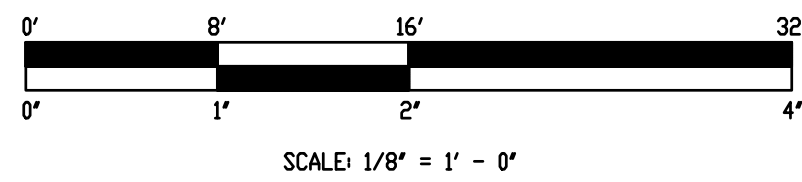
NOTE:

THE EXISTING LOCATIONS SHOWN ON DEMO PLAN TO BE REMOVED OR RELOCATED ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO BEGINNING WORK. ANY ITEMS REQUIRED TO BE REMOVED OR RELOCATED SHALL BE INCLUDED IN CONTRACTOR'S COST, WHETHER SHOWN ON THIS PLAN OR NOT. UNLESS SPECIFICALLY NOTED OTHERWISE, WHERE A DEVICE OR ITEM IS NOTED TO BE DEMOLISHED, THE WORK SHALL INCLUDE REMOVING ALL ASSOCIATED BOXES, CONDUITS, CONDUCTORS, CABLES ETC. AND SHALL INCLUDE ANY PATCH, REPAIR, PAINT OR REFINISH NECESSARY TO RESTORE THE LOCATION TO MATCH THE SURROUNDING.

WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

—————	EXISTING WALL TO REMAIN
—————	NEW WALL TO BE CONSTRUCTED
+++++	WALL TO DECK
-----	EXISTING WALL TO BE DEMOLISHED



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2725 Center Place
Melbourne, Florida 32940
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Registry 8072

REVISIONS

DOCUMENT HISTORY	
NO.	DATE

DESCRIPTION

**VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM**

VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR

D. SPRADLING

DESIGNED BY
C. CRENSHAW

DRAWN BY
C. CRENSHAW

ISSUE DATE
05/21/2025

AE PROJECT NUMBER
60237.24.003

SHEET TITLE
**BUILDING 3 FLOOR PLAN -
FIRE ALARM DEMOLITION**

DRAWINGS NO.

ED103



2 KEY PLAN
SCALE: NONE

NOTE:

THE EXISTING LOCATIONS SHOWN ON DEMO PLAN TO BE REMOVED OR
RELOCATED ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY
CONTRACTOR PRIOR TO BEGINNING WORK. ANY ITEMS REQUIRED TO BE
REMOVED OR RELOCATED SHALL BE INCLUDED IN CONTRACTOR'S COST
AND SHALL BE SHOWN ON DEMO PLAN AND NOT, UNLESS SPECIALLY NOTED
OTHERWISE, WHERE A DEVICE OR ITEM IS NOTED TO BE DEMOLISHED.
THE WORK SHALL INCLUDE REMOVING ALL ASSOCIATED BOXES, CONDUITS,
CONDUCTORS, CABLES ETC. AND SHALL INCLUDE ANY PATCH, REPAIR,
PAINT OR REFINISH NECESSARY TO RESTORE THE LOCATION TO MATCH THE
SURROUNDING.

WALL TYPES AND RATINGS LEGEND

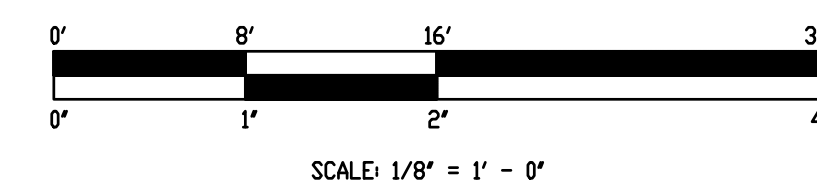
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND
ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE.
PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

EXISTING WALL TO REMAIN

NEW WALL TO BE CONSTRUCTED

WALL TO DECK

EXISTING WALL TO BE DEMOLISHED



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



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REVISIONS

DOCUMENT HISTORY		
NO	DATE	DESCRIPTION

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR

D. SPRADLING

DESIGNED BY
C. CRENSHAW

ISSUE DATE

ISSUE DATE
05/21/202

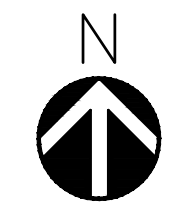
SHEET TITLE
BUILDING 4 FLOOR PLAN -
FIRE ALARM DEMOLITION

DRAINING N

ED104

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM

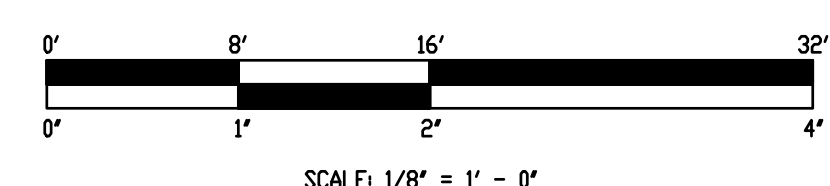
ED105



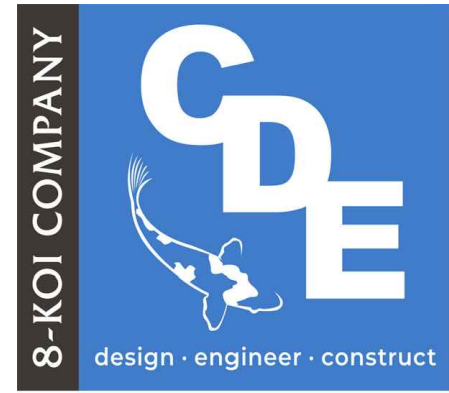
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_____	EXISTING WALL TO REMAIN
_____	NEW WALL TO BE CONSTRUCTED
+++++	WALL TO DECK
-----	EXISTING WALL TO BE DEMOLISHED



1 BUILDING 5 FLOOR PLAN - FIRE ALARM DEMOLITION
SCALE: 1/8" = 1'-0"



REVISIONS

DOCUMENT HISTORY		DESCRIPTION
NO.	DATE	

VCS Project NO. 2548145

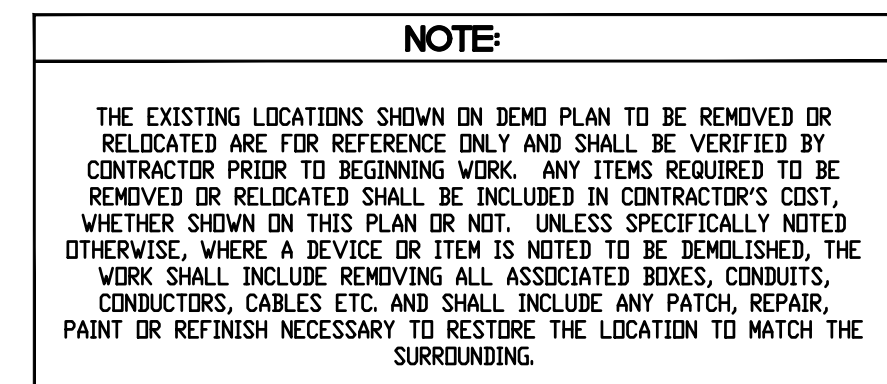
ARCH/ENGR OF RECORD

DRAWN BY
C. CREN

AE PROJECT NUMBER
60237.24.003

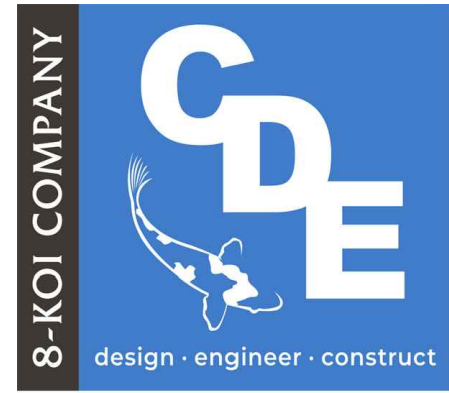
DRAWING NO.

1 BUILDING 6 FLOOR PLAN - FIRE ALARM DEMOLITION



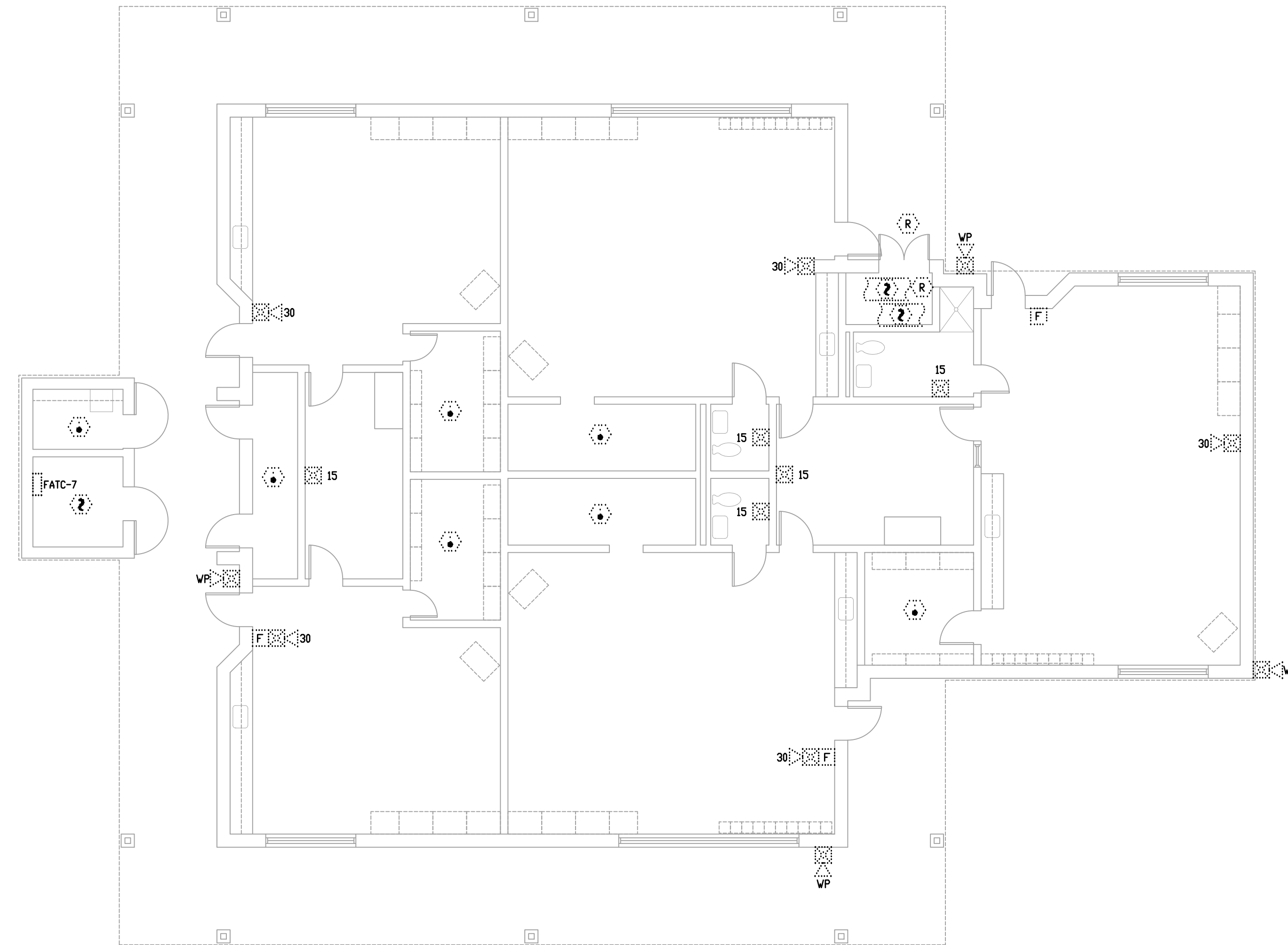
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND
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PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

_____ EXISTING WALL TO REMAIN
 _____ NEW WALL TO BE CONSTRUCTED
 ++++++ WALL TO DECK
 - - - - - EXISTING WALL TO BE DEMOLISHED

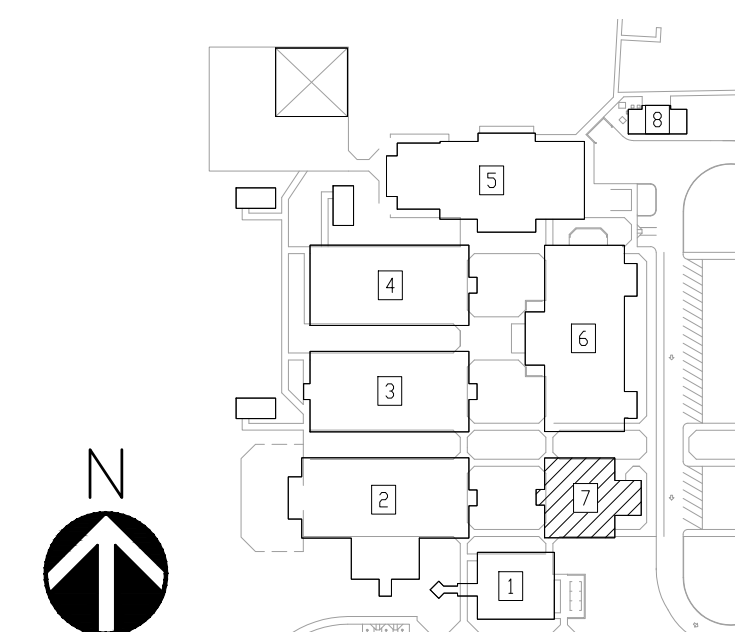


VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR D. SPRADLING	
DESIGNED BY C. CRENSHAW	DRAWN BY C. CRENSHAW
ISSUE DATE 05/21/2025	AE PROJECT NUMBER 60237.24.003
SHEET TITLE BUILDING 7 FLOOR PLAN - FIRE ALARM DEMOLITION	
DRAWING NO.	
ED107	



1 BUILDING 7 FLOOR PLAN - FIRE ALARM DEMOLITION
SCALE: 1/8" = 1'-0"

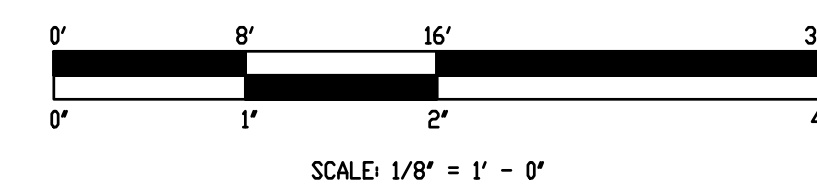


2 KEY PLAN
SCALE: NONE

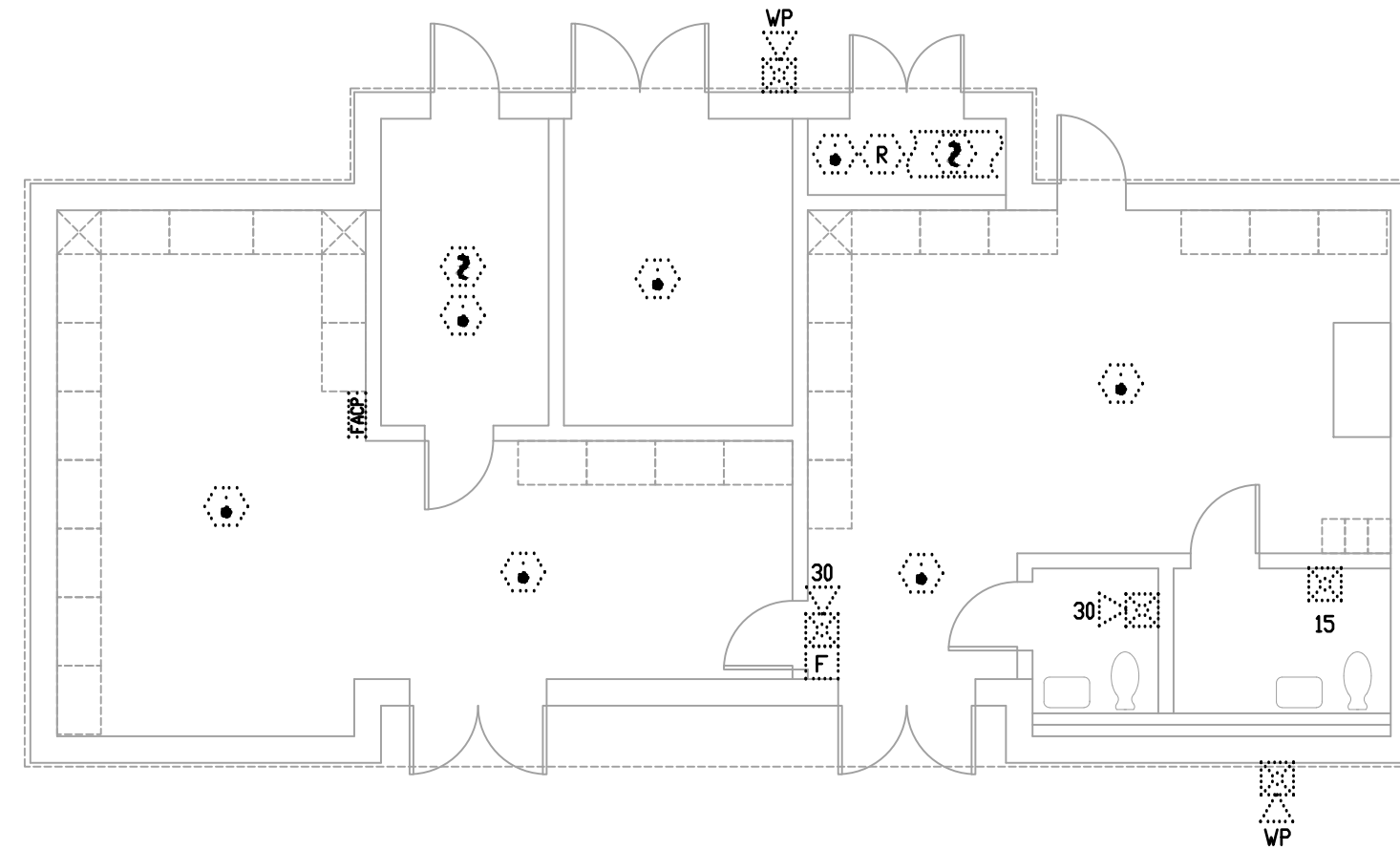
THE EXISTING LOCATIONS SHOWN ON DEMO PLAN TO BE REMOVED OR RELOCATED ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO BEGINNING WORK. ANY ITEMS REQUIRED TO BE REMOVED OR RELOCATED SHALL BE INCLUDED IN CONTRACTOR'S COST, WHETHER SHOWN ON THIS PLAN OR NOT, UNLESS SPECIFICALLY NOTED OTHERWISE, WHERE A DEVICE OR ITEM IS NOTED TO BE DEMOLISHED, THE WORK SHALL INCLUDE REMOVING ALL ASSOCIATED BOXES, CONDUITS, CONDUCTORS, CABLES ETC. AND SHALL INCLUDE ANY PATCH, REPAIR, PAINT OR REFINISH NECESSARY TO RESTORE THE LOCATION TO MATCH THE SURROUNDING.

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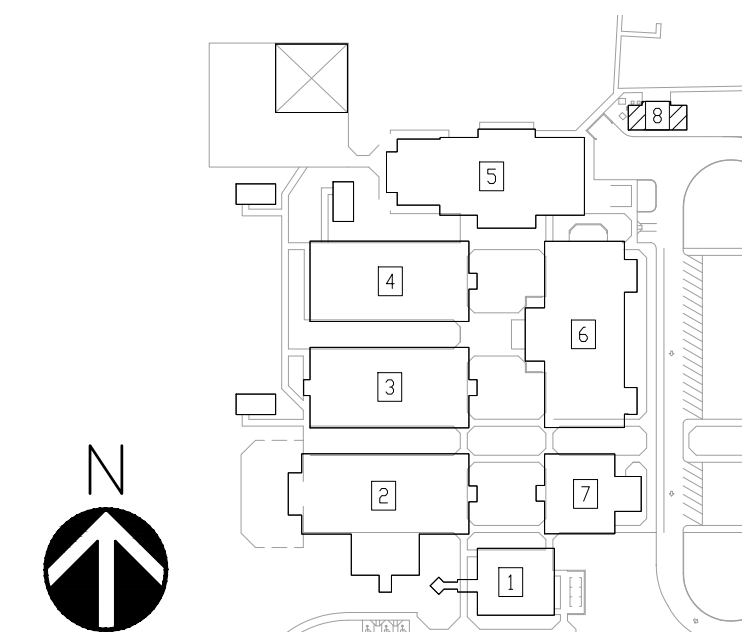
_____	EXISTING WALL TO REMAIN
_____	NEW WALL TO BE CONSTRUCTED
+++++	WALL TO DECK
-----	EXISTING WALL TO BE DEMOLISHED



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



1 BUILDING 8 FLOOR PLAN - FIRE ALARM DEMOLITION

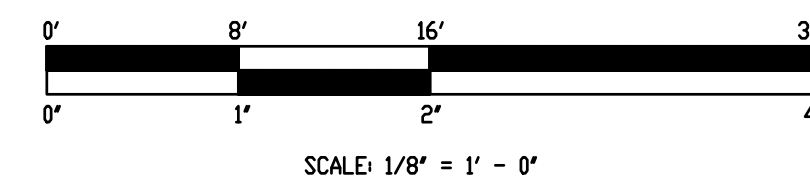


2 **KEY PLAN**
SCALE: NONE

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PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

_____	EXISTING WALL TO REMAIN
_____	NEW WALL TO BE CONSTRUCTED
+++++	WALL TO DECK
-----	EXISTING WALL TO BE DEMOLISHED

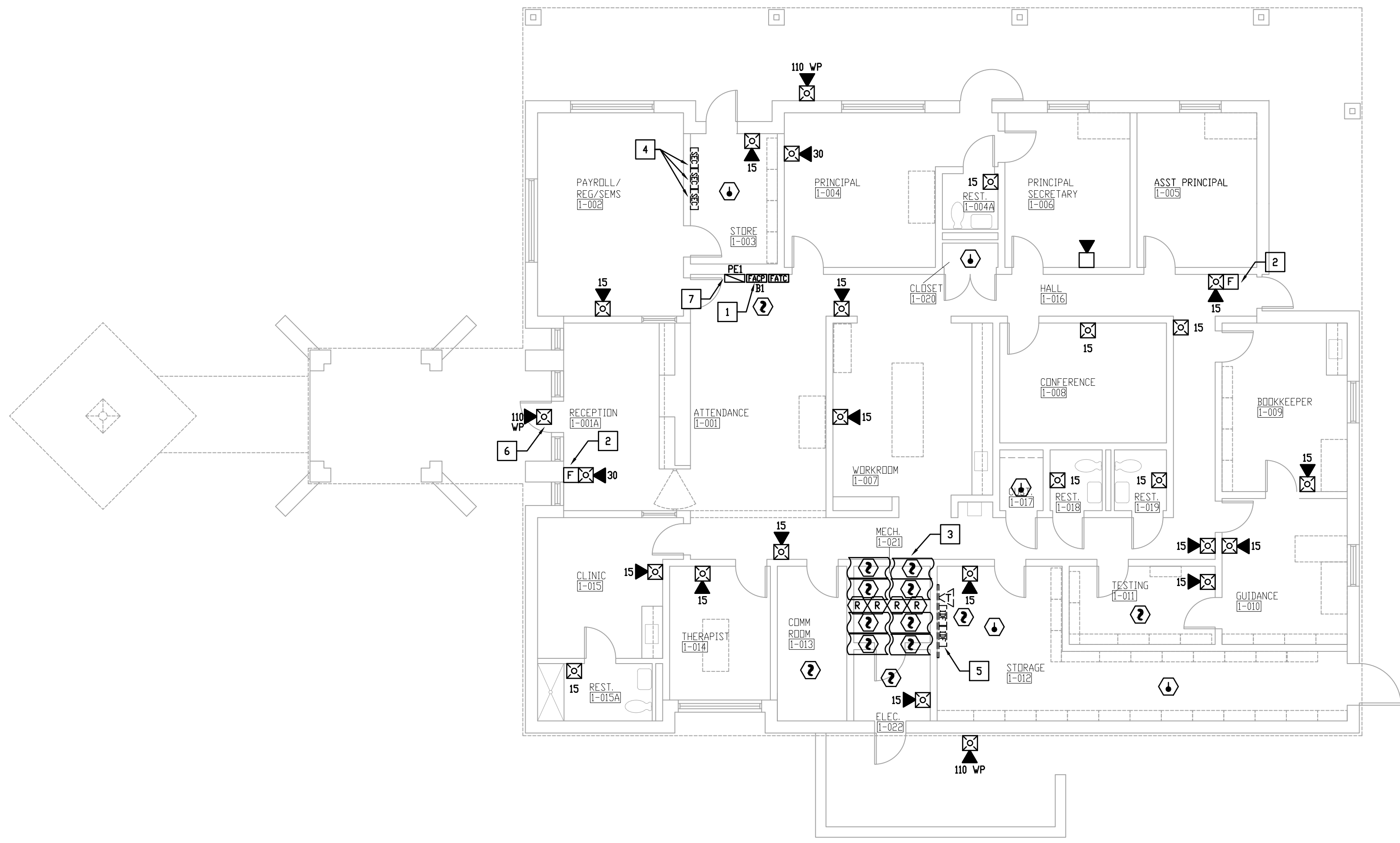


SHEET NOTES

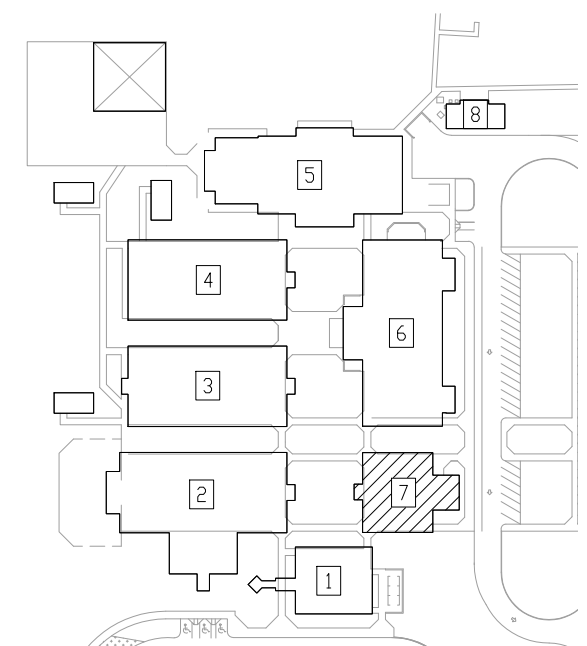
- IT IS NOTED THAT THE CEILING IS 8'-10" AFF THROUGHOUT THE SPACE. THEREFORE, FIRE ALARM SYSTEM HAS BEEN DESIGNED BASED ON A MAXIMUM CEILING HEIGHT OF 10'-0" AFF.
- DECIBEL LEVEL TESTING SHALL BE PERFORMED PRIOR TO CALLING VCS BUILDING DEPARTMENT FOR FINAL INSPECTION. TESTING SHALL TAKE PLACE BEFORE OR AFTER BUSINESS HOURS IN AN OCCUPIED BUILDING. CONFIRM TIME WITH PROPERTY MANAGEMENT. THE INTENT IS TO ENSURE THE SYSTEM WILL PASS INSPECTION BEFORE CALLING FOR INSPECTION.
- FIRE ALARM WIRING SHOULD BE PLENUM RATED UNLESS OTHERWISE NOTED.

PLAN NOTES

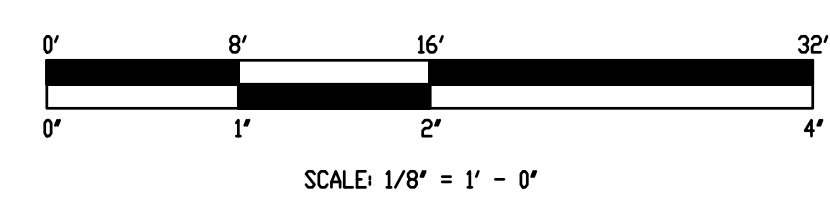
- NEW FIRE ALARM CONTROL PANEL TO BE INSTALLED AS REQUIRED. COORDINATE LOCATION W/ OWNER. CONNECT FIRE ALARM SYSTEM TO DMP XR-550 SYSTEM AS REQUIRED. SEE FIRE ALARM RISER DIAGRAM.
- MOUNT PULL STATION TO BE WITHIN 5' OF DOOR AS REQUIRED. PROVIDE PULL STATION W/ COVER AS REQUIRED. TYPICAL.
- PROVIDE DUCT DETECTOR IN SUPPLY AND RETURN AIR DUCT AND CONNECT REMOTE LED INDICATOR IN CEILING GRID AS REQUIRED. TYPICAL.
- EXISTING SECURITY PANELS TO REMAIN. CONNECT TO DMP XR-550 AS REQUIRED. SEE FIRE ALARM RISER DIAGRAM.
- EXISTING IDF RACK. SEE FIRE ALARM RISER DIAGRAM.
- CONTRACTOR SHALL CONFIRM SPEAKER STROBE DEVICE IS MOUNTED BETWEEN 80" AND 96" AND SHALL RELOCATE DEVICE IF MOUNTED OUTSIDE OF THAT RANGE.
- PROVIDE POWER EXTENDER FOR STROBE SYNCHRONIZATION THROUGHOUT SITE AND CONNECT AS REQUIRED. COORDINATE LOCATION W/ OWNER. IF POWER EXTENDERS ARE NOT REQUIRED FOR STROBE SYNCHRONIZATION, POWER EXTENDERS MAY NOT NEED TO BE INSTALLED.



1 BUILDING 1 FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"



2 KEY PLAN
SCALE: NONE



WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

—————	EXISTING WALL TO REMAIN
—————	NEW WALL TO BE CONSTRUCTED
+++++	WALL TO DECK
- - - - -	EXISTING WALL TO BE DEMOLISHED

REVISIONS

DOCUMENT HISTORY		DESCRIPTION
NO.	DATE	

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

ARCHENGR OF RECORD

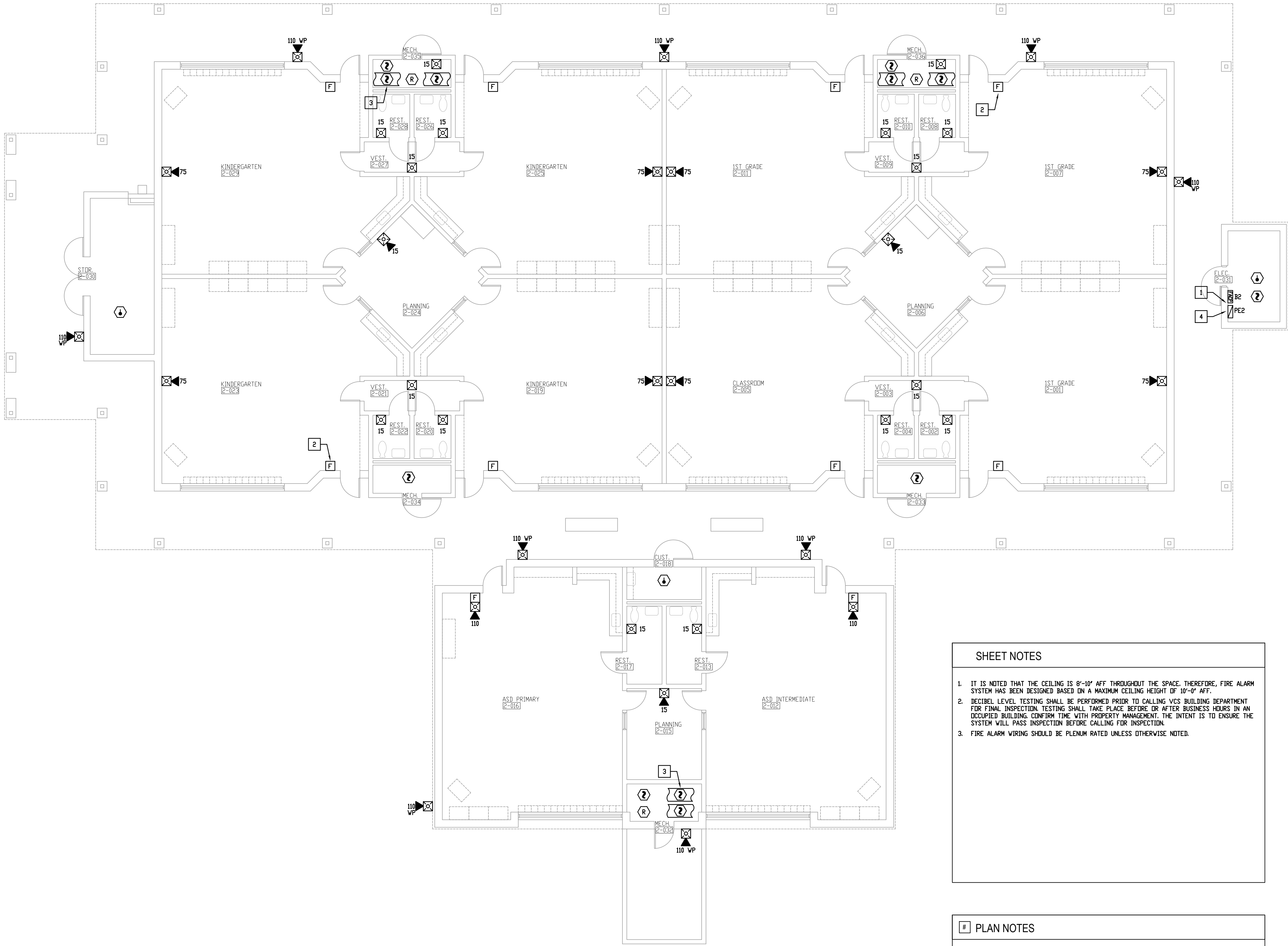
EOR
D. SPRADLING

DESIGNED BY C. CRENSHAW	DRAWN BY C. CRENSHAW
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ISSUE DATE 05/21/2025	AE PROJECT NUMBER 60237.24.003
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SHEET TITLE
BUILDING 1 FLOOR PLAN - FIRE ALARM

DRAWING NO.
E101



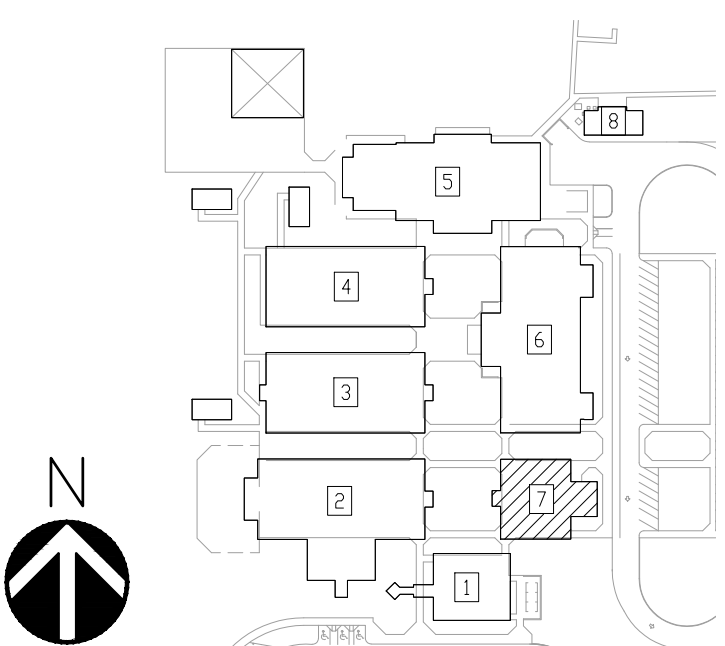
1 BUILDING 2 FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"

SHEET NOTES

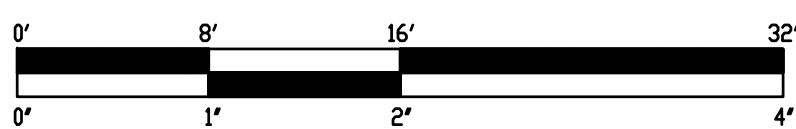
1. IT IS NOTED THAT THE CEILING IS 8'-10" AFF THROUGHOUT THE SPACE. THEREFORE, FIRE ALARM SYSTEM HAS BEEN DESIGNED BASED ON A MAXIMUM CEILING HEIGHT OF 10'-0" AFF.
2. DECIBEL LEVEL TESTING SHALL BE PERFORMED PRIOR TO CALLING VCS BUILDING DEPARTMENT FOR FINAL INSPECTION. TESTING SHALL TAKE PLACE BEFORE OR AFTER BUSINESS HOURS IN AN OCCUPIED BUILDING. CONFIRM TIME WITH PROPERTY MANAGEMENT. THE INTENT IS TO ENSURE THE SYSTEM WILL PASS INSPECTION BEFORE CALLING FOR INSPECTION.
3. FIRE ALARM WIRING SHOULD BE PLENUM RATED UNLESS OTHERWISE NOTED.

PLAN NOTES

1. NEW FIRE ALARM CONTROL PANEL TO BE INSTALLED AS REQUIRED. COORDINATE LOCATION W/ OWNER. SEE FIRE ALARM RISER DIAGRAM.
2. MOUNT PULL STATION TO BE WITHIN 5' OF DOOR AS REQUIRED. PROVIDE PULL STATION W/ COVER AS REQUIRED. TYPICAL.
3. PROVIDE DUCT DETECTOR IN SUPPLY AND RETURN AIR DUCT AND CONNECT REMOTE LED INDICATOR IN CEILING GRID AS REQUIRED. TYPICAL.
4. PROVIDE POWER EXTENDER FOR STROBE SYNCHRONIZATION THROUGHOUT SITE AND CONNECT AS REQUIRED. COORDINATE LOCATION W/ OWNER. IF POWER EXTENDERS ARE NOT REQUIRED FOR STROBE SYNCHRONIZATION, POWER EXTENDERS MAY NOT NEED TO BE INSTALLED.



2 KEY PLAN
SCALE: NONE



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

WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

- | | |
|-------|--------------------------------|
| ————— | EXISTING WALL TO REMAIN |
| ————— | NEW WALL TO BE CONSTRUCTED |
| +++++ | WALL TO DECK |
| ----- | EXISTING WALL TO BE DEMOLISHED |

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

ARCHENGR OF RECORD

EOR

D. SPRADLING

DESIGNED BY

C. CRENSHAW

DRAWN BY

C. CRENSHAW

ISSUE DATE

05/21/2025

AE PROJECT NUMBER

60237.24.003

SHEET TITLE

BUILDING 2 FLOOR PLAN - FIRE ALARM

DRAWING NO.

E102

SHEET NOTES

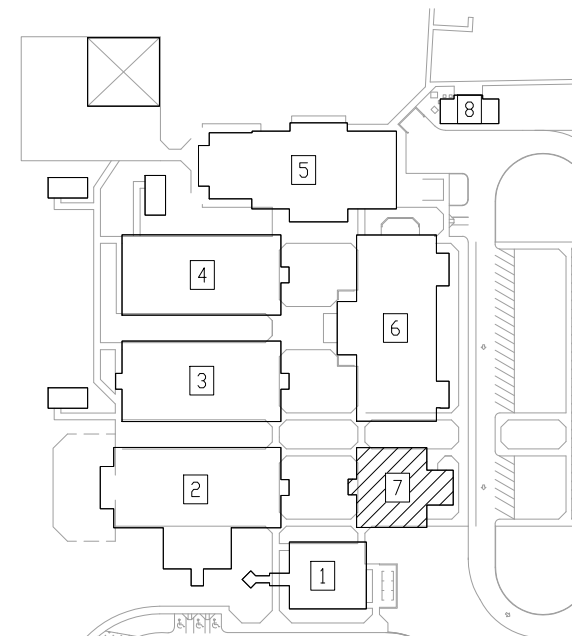
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1 BUILDING 3 FLOOR PLAN - FIRE ALARM

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



2 KEY PLAN

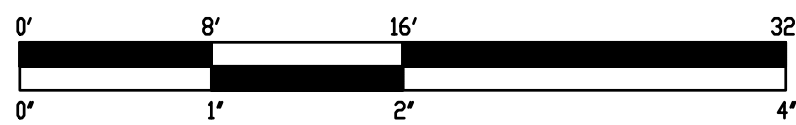
SCALE: NONE



WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

—	EXISTING WALL TO REMAIN
—	NEW WALL TO BE CONSTRUCTED
—	WALL TO DECK
—	EXISTING WALL TO BE DEMOLISHED



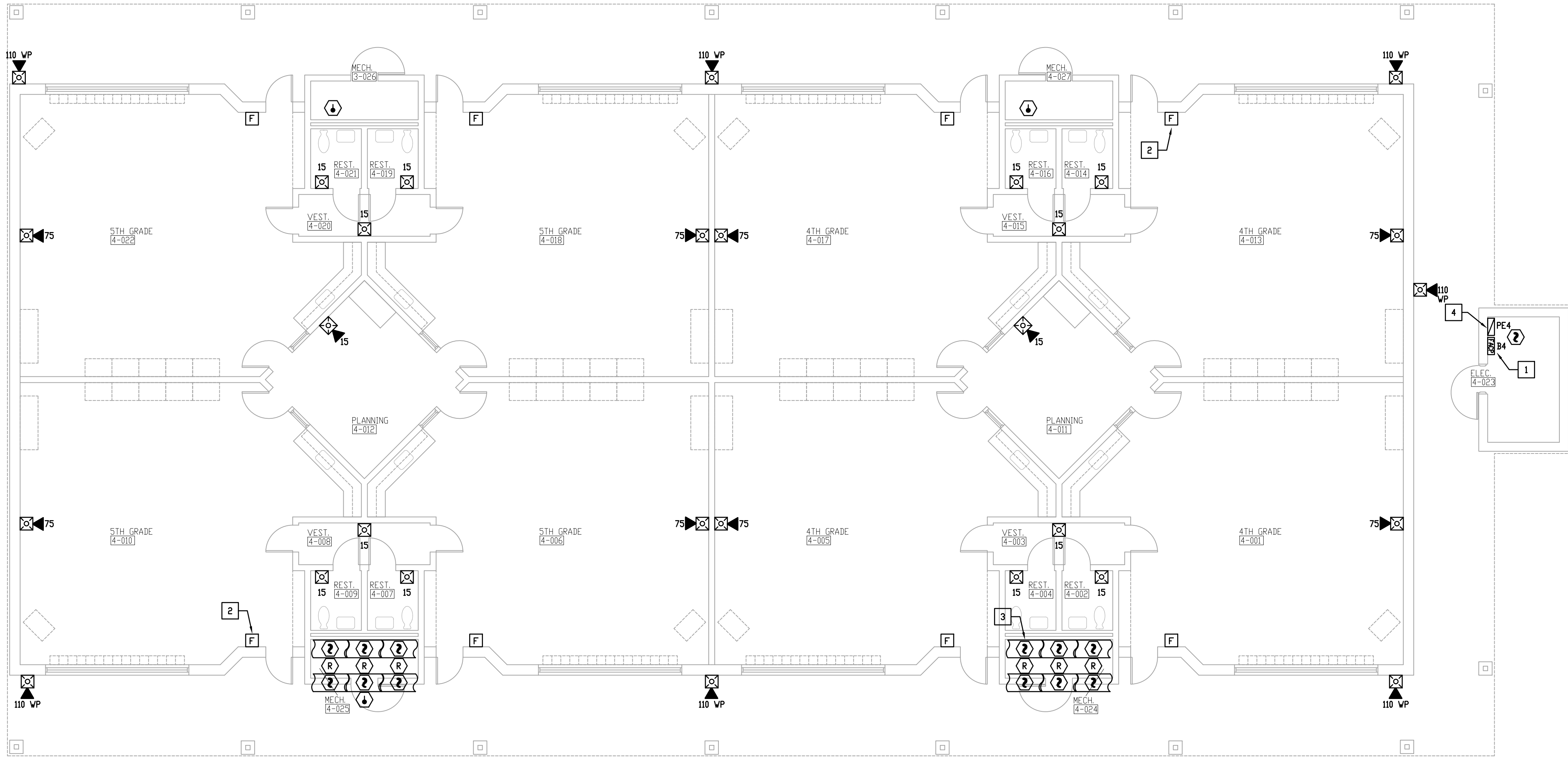
SCALE: 1/8" = 1' - 0"

SHEET NOTES

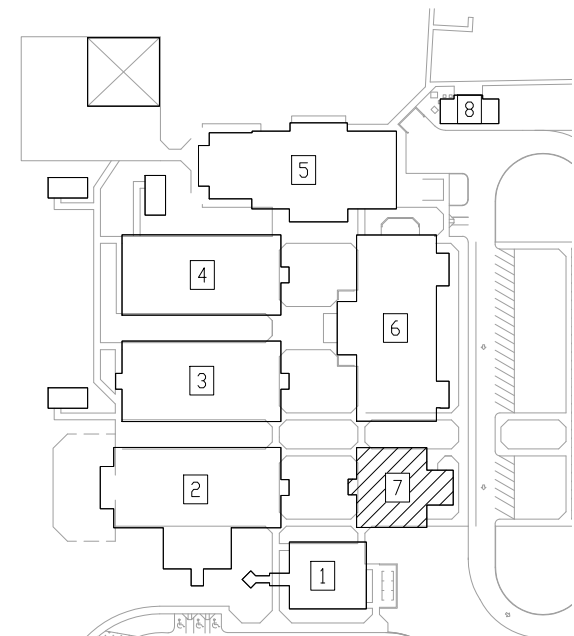
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- FIRE ALARM WIRING SHOULD BE PLENUM RATED UNLESS OTHERWISE NOTED.

PLAN NOTES

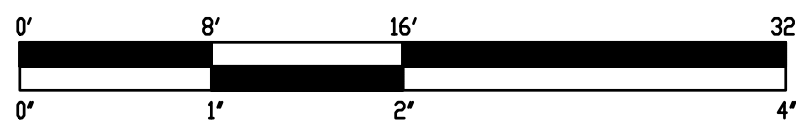
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- PROVIDE DUCT DETECTOR IN SUPPLY AND RETURN AIR DUCT AND CONNECT REMOTE LED INDICATOR IN CEILING GRID AS REQUIRED. TYPICAL.
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1 BUILDING 4 FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"



2 KEY PLAN
SCALE: NONE



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

WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.

—	EXISTING WALL TO REMAIN
—	NEW WALL TO BE CONSTRUCTED
—	WALL TO DECK
—	EXISTING WALL TO BE DEMOLISHED

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR

D. SPRADLING

DESIGNED BY

C. CRENSHAW

ISSUE DATE

05/21/2025

AE PROJECT NUMBER

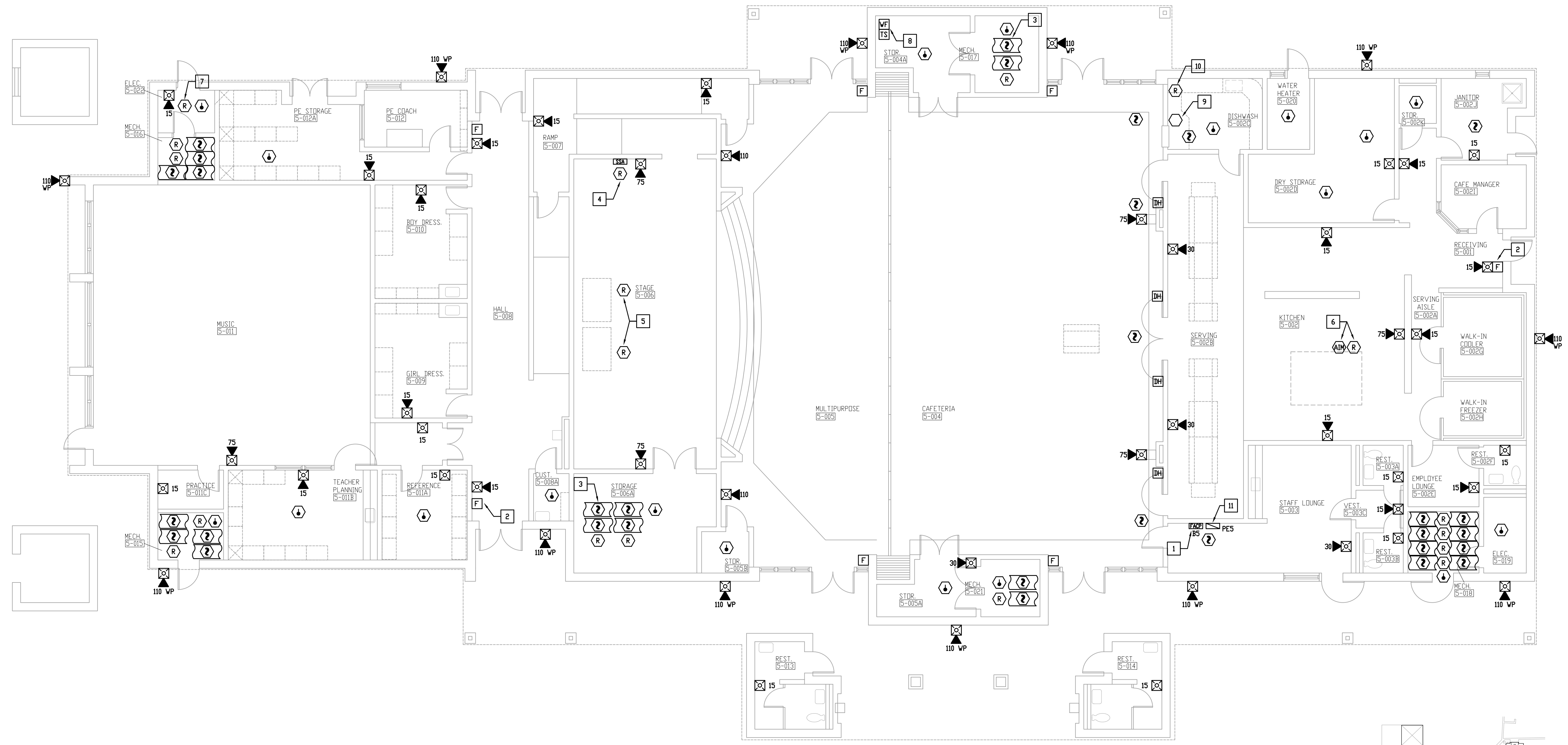
60237.24.003

SHEET TITLE

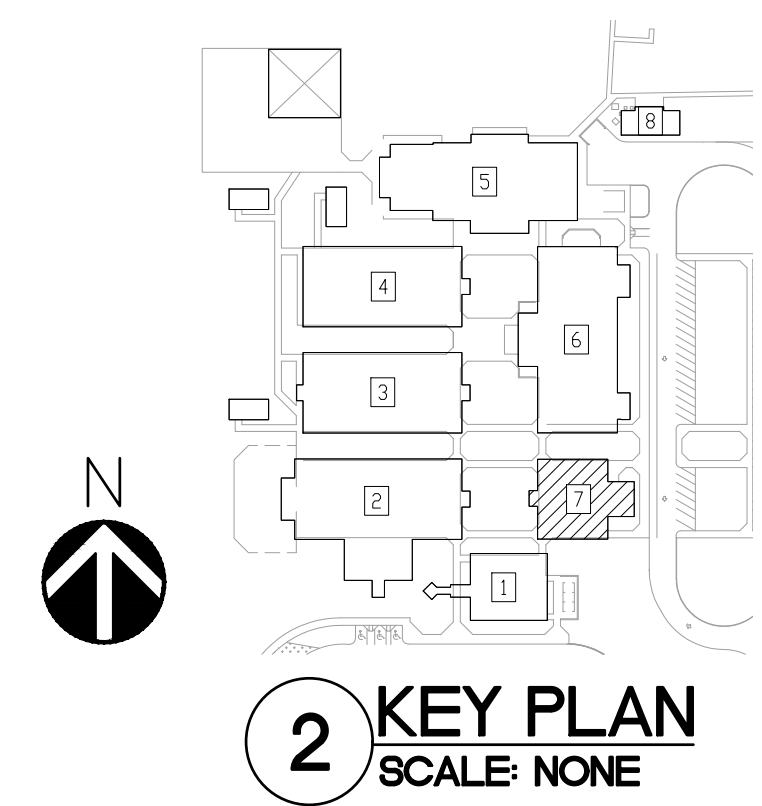
**BUILDING 4 FLOOR PLAN -
FIRE ALARM**

DRAWING NO.

E104

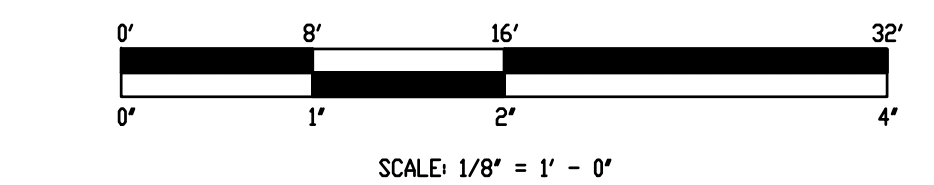


1 BUILDING 5 FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"



#	PLAN NOTES
1	IT IS NOTED THAT THE CEILING IS 8'-10" AFF THROUGHOUT THE SPACE. THEREFORE, FIRE ALARM SYSTEM HAS BEEN DESIGNED BASED ON A MAXIMUM CEILING HEIGHT OF 10'-0" AFF.
2	DECIBEL LEVEL TESTING SHALL BE PERFORMED PRIOR TO CALLING VCS BUILDING DEPARTMENT FOR FINAL INSPECTION. TESTING SHALL TAKE PLACE BEFORE OR AFTER BUSINESS HOURS IN AN OCCUPIED BUILDING. CONFORM TIME WITH PROPERTY MANAGEMENT. THE INTENT IS TO ENSURE THE SYSTEM WILL PASS INSPECTION BEFORE CALLING FOR INSPECTION.
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#	PLAN NOTES
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2	MOUNT PULL STATION TO BE WITHIN 5' OF DOOR AS REQUIRED. PROVIDE PULL STATION W/ COVER AS REQUIRED. TYPICAL.
3	PROVIDE DUCT DETECTOR IN SUPPLY AND RETURN AIR DUCT AND CONNECT REMOTE LED INDICATOR IN CEILING GRID AS REQUIRED. TYPICAL.
4	PROVIDE SHUTDOWN RELAY FOR SOUND SYSTEM AND CONNECT AS REQUIRED.
5	PROVIDE RELAYS FOR SMOKE EVACUATION VENTS AND CONNECT AS REQUIRED.
6	PROVIDE RELAY AND MONITOR MODULE FOR KITCHEN HOOD AND CONNECT AS REQUIRED.
7	PROVIDE SHUTDOWN RELAY FOR CEILING FANS AND CONNECT AS REQUIRED.
8	CONNECT TAMPER AND FLOW SWITCHES TO FIRE ALARM CONTROL PANEL AS REQUIRED. COORDINATE WITH SPRINKLER.
9	REPLACE IONIZATION DETECTOR FOR FIRE SHUTTER AND RECONNECT AS REQUIRED.
10	CONNECT RELAY TO NATURAL GAS SOLENOID SHUTOFF VALVE (120VAC).
11	PROVIDE POWER EXTENDER FOR STROBE SYNCHRONIZATION THROUGHOUT SITE AND CONNECT AS REQUIRED. COORDINATE LOCATION W/ OWNER. IF POWER EXTENDERS ARE NOT REQUIRED FOR STROBE SYNCHRONIZATION, POWER EXTENDERS MAY NOT NEED TO BE INSTALLED.



WALL TYPES AND RATINGS LEGEND	
REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE. PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.	
---	EXISTING WALL TO REMAIN
---	NEW WALL TO BE CONSTRUCTED
---	WALL TO DECK
---	EXISTING WALL TO BE DEMOLISHED

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM
VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

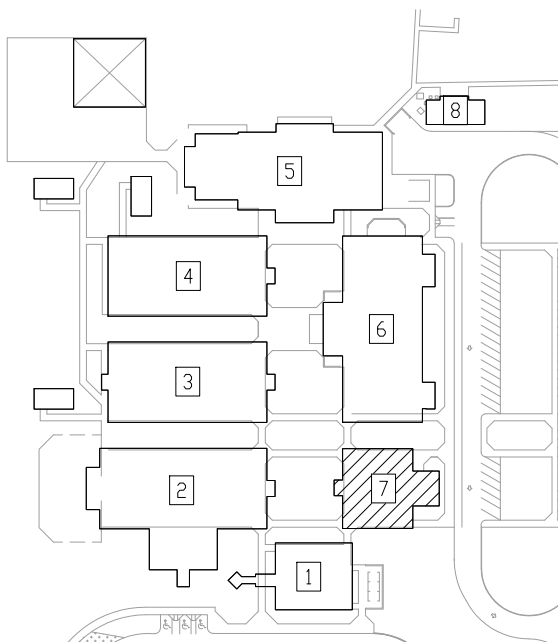
EOR	
D. SPRADLING	
DESIGNED BY C. CRENSHAW	DRAWN BY C. CRENSHAW
ISSUE DATE 05/21/2025	AE PROJECT NUMBER 60237.24.003
SHEET TITLE BUILDING 5 FLOOR PLAN - FIRE ALARM	
DRAWING NO. E105	

SHEET NOTES

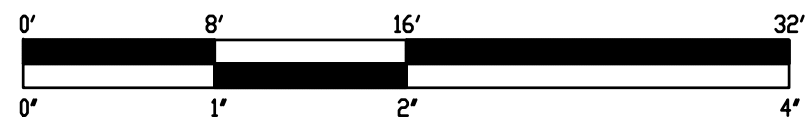
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2 KEY PLAN
SCALE: NONE

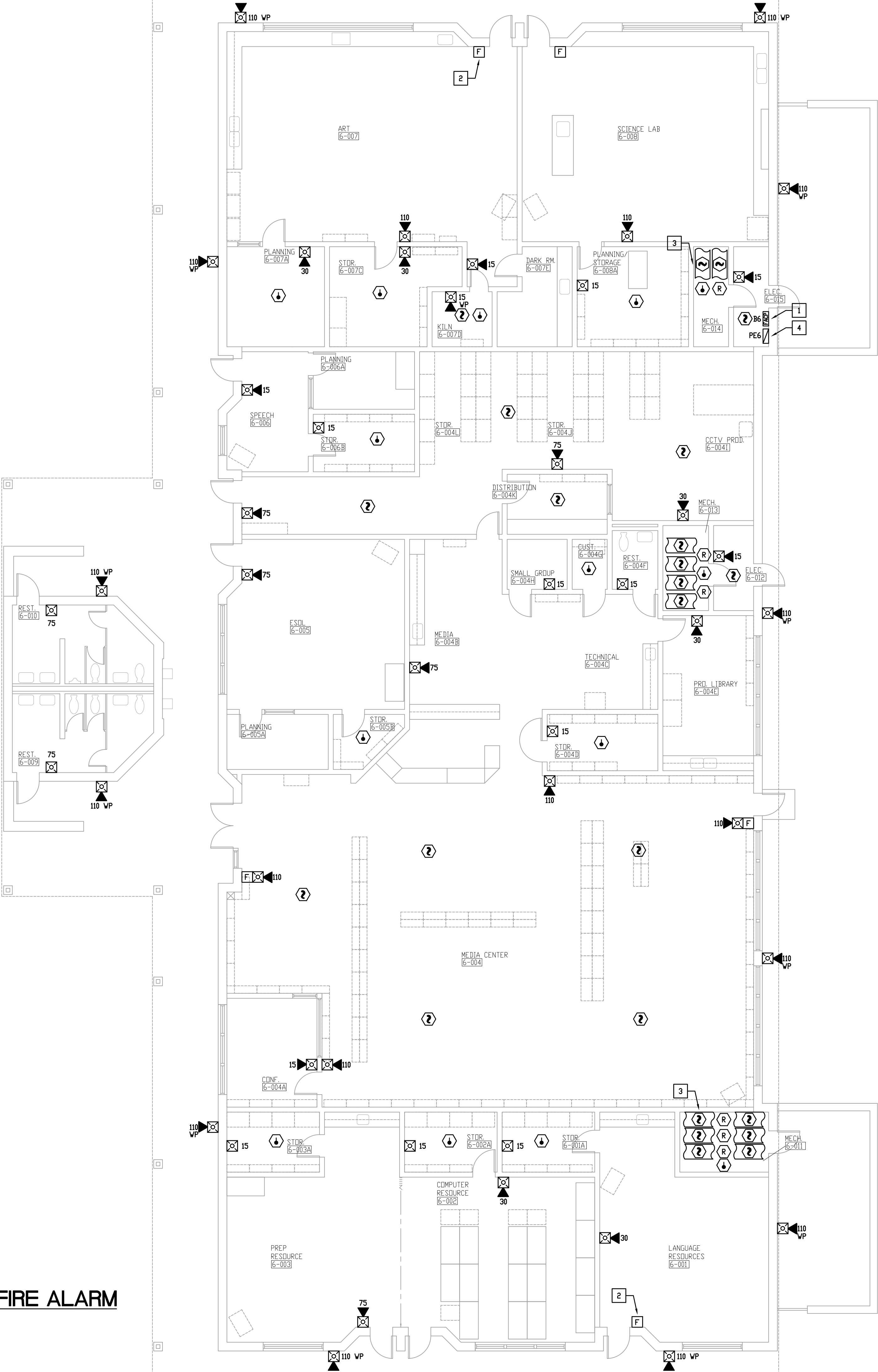


WALL TYPES AND RATINGS LEGEND

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—————	EXISTING WALL TO REMAIN
—————	NEW WALL TO BE CONSTRUCTED
—————	WALL TO DECK
—————	EXISTING WALL TO BE DEMOLISHED

1 BUILDING 6 FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"



PLAN NOTES

1. NEW FIRE ALARM CONTROL PANEL TO BE INSTALLED AS REQUIRED. COORDINATE LOCATION W/ DWNER. SEE FIRE ALARM RISER DIAGRAM.
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**VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM**

VCS Project NO. 2548145

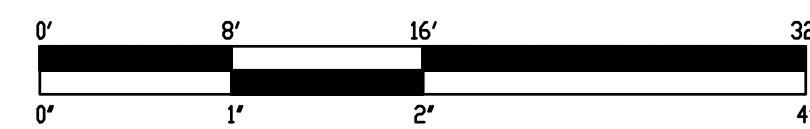
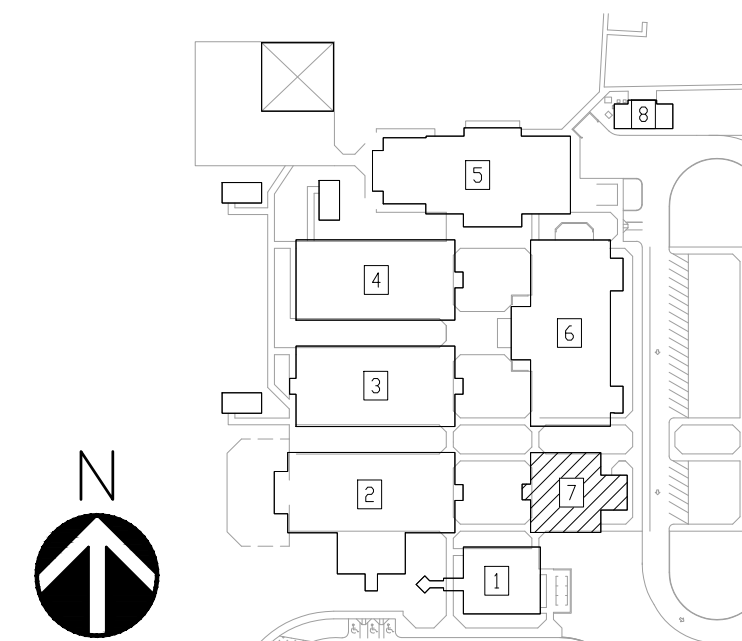
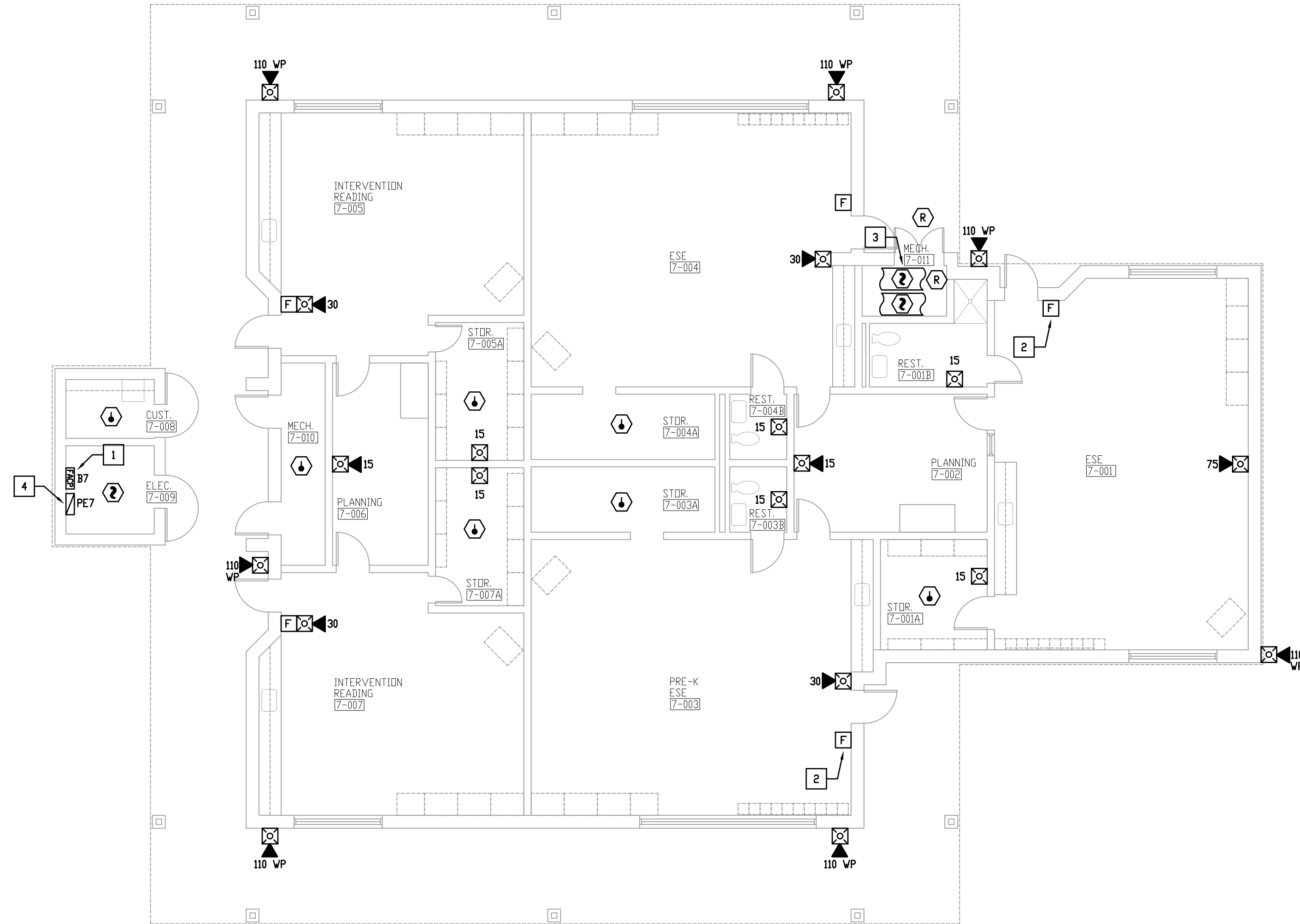
**500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744**

WALL TYPES AND RATINGS LEGEND

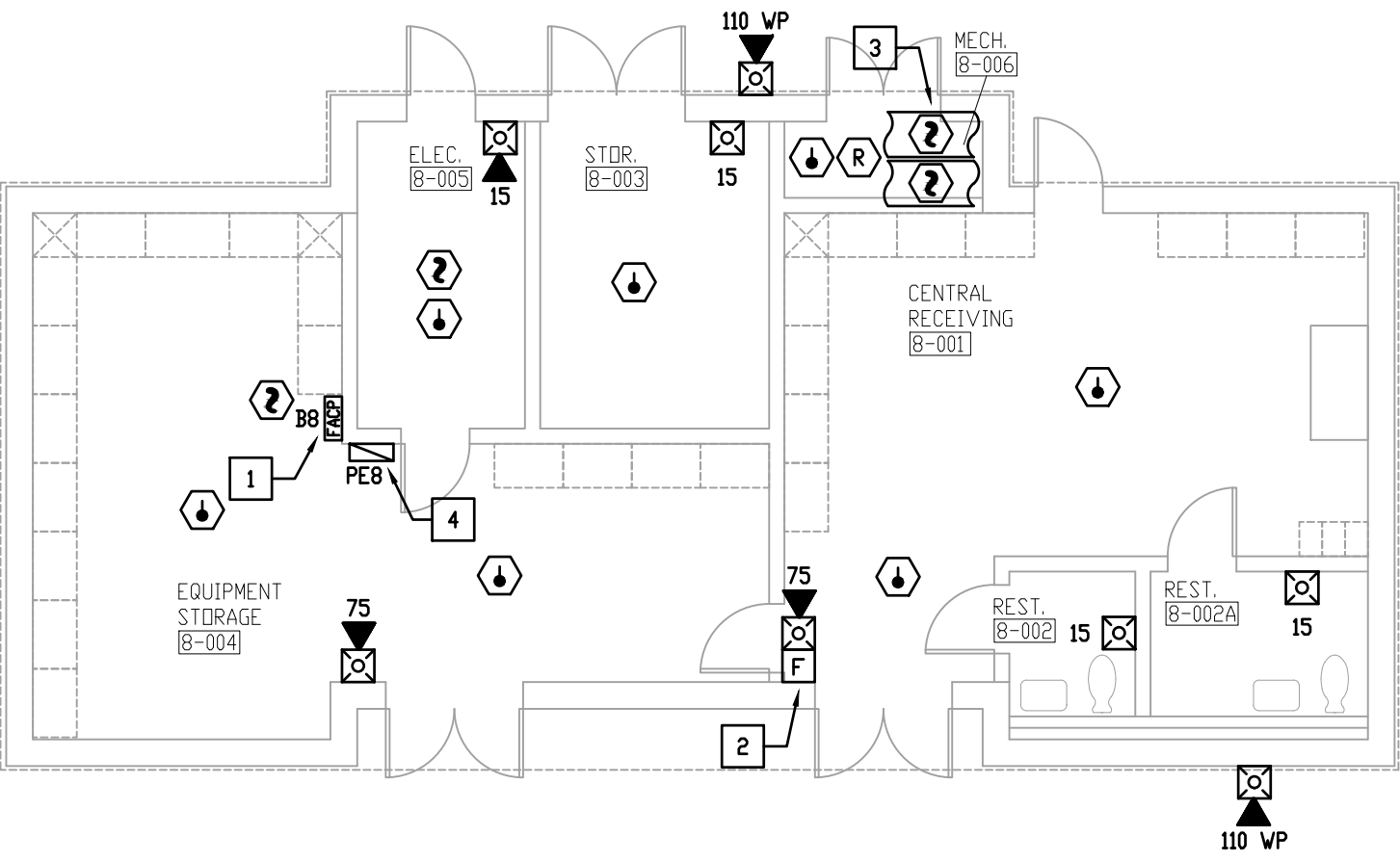
_____ EXISTING WALL TO REMAIN
 _____ NEW WALL TO BE CONSTRUCTED
 ++++++ WALL TO DECK
 ----- EXISTING WALL TO BE DEMOLISHED

DRAINING NO.

E107



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



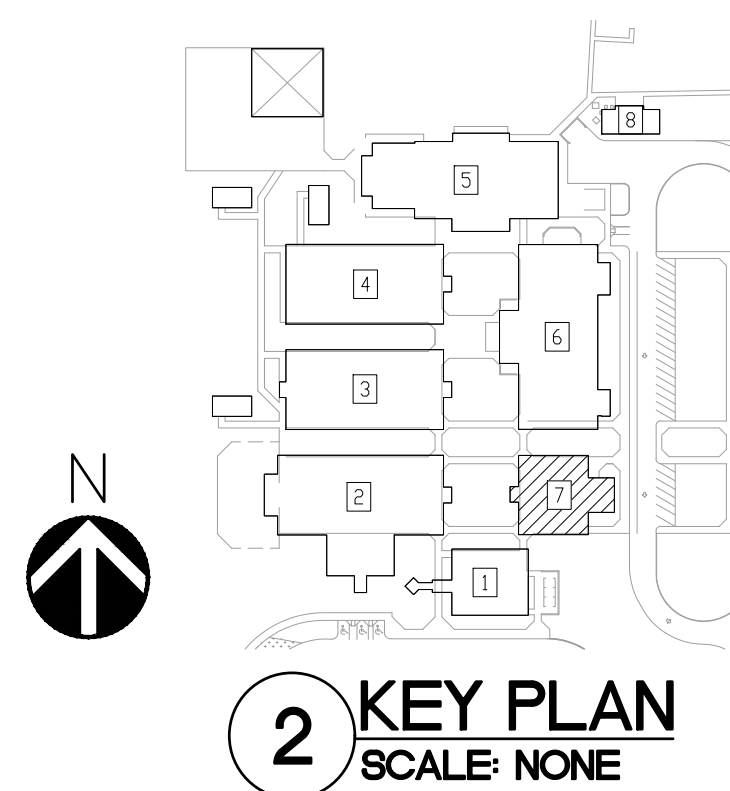
1 BUILDING 8 FLOOR PLAN - FIRE ALARM
SCALE: 1/8" - 1'-0"

SHEET NOTES

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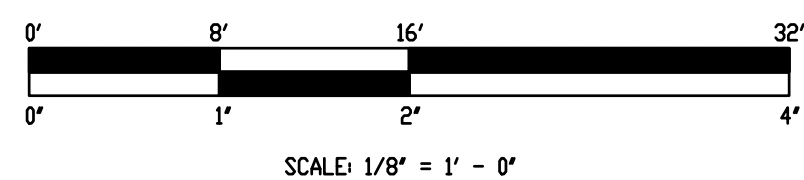
PLAN NOTES

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WALL TYPES AND RATINGS LEGEND

REFER TO ARCHITECTURAL SHEETS FOR MORE INFORMATION ON RATINGS AND
ADDITIONAL RATED CONSTRUCTIONS INCLUDING COLUMNS WHERE APPLICABLE.
PROTECT ALL RATED CONSTRUCTIONS AS REQUIRED.



- _____ EXISTING WALL TO REMAIN
 _____ NEW WALL TO BE CONSTRUCTED
 +-----+ WALL TO DECK
 - - - - - EXISTING WALL TO BE DEMOLISHED



Cape Design Engineering Company
2725 Center Place
Melbourne, Florida 32940
321.799.2970 - www.cdco.com
Registry 8072

REVISIONS

[illegible]

VOLUSIA PINES ELEMENTARY
REPLACE FIRE ALARM

VCS Project NO. 2548145
500 E. KICKLIGHTER RD
LAKE HELEN, FL 32744

EOR

D. SPRADLING

DESIGNED BY
C. CRENSHAW

ISSUE DATE

ISSUE DATE	AE PROJECT NUMBER
05/21/2025	60237.24.003

DRAWING NO.

E108