

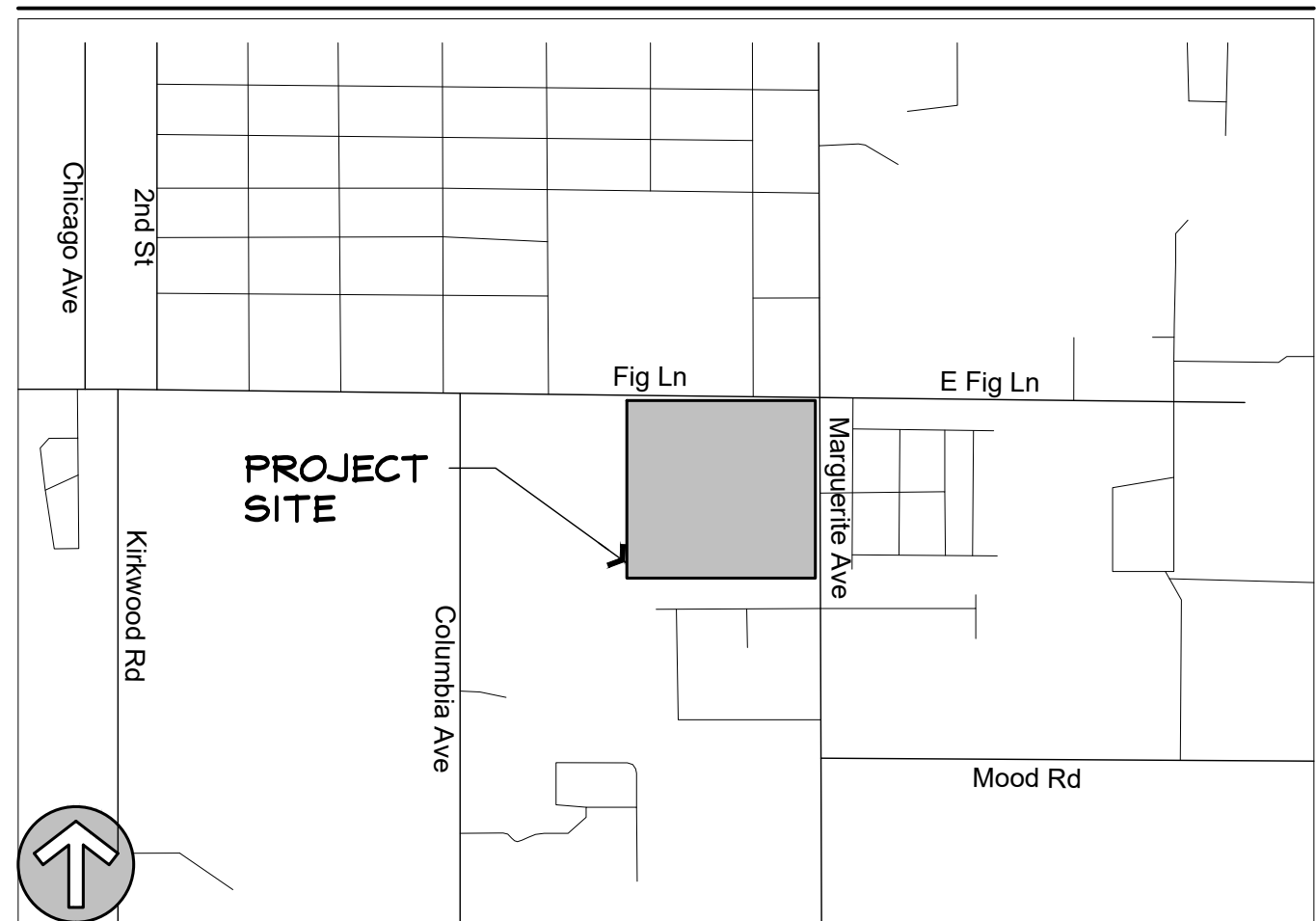
© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith unless specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

A FIRE ALARM REPLACEMENT for:

MAYWOOD MIDDLE SCHOOL

1666 MARGUERITE AVE CORNING, CA 96021

VICINITY MAP



AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. BOX 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

APPLICABLE CODES (EFFECTIVE JAN. 1, 2023)

- TITLE 19, CCR, PUBLIC SAFETY
- STATE FIRE MARSHAL REGULATIONS
- TITLE 24, CCR, PART 1
- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE
- TITLE 24, CCR, PART 2
- 2022 CALIFORNIA BUILDING CODE (CBC), VOL. 1 & 2 (2018 IBC, & 2019 CA. AMENDMENTS)
- TITLE 24, CCR, PART 3
- 2022 CALIFORNIA ELECTRIC CODE (CEC), (2017 NEC, & 2019 CA. AMENDMENTS)
- TITLE 24, CCR, PART 5
- 2022 CALIFORNIA MECHANICAL CODE (CMC), (2018 IAPMO UFC, & 2019 CA. AMENDMENTS)
- TITLE 24, CCR, PART 6
- 2022 CALIFORNIA PLUMBING CODE (CPC), (2018 IAPMO UFC, & 2019 CA. AMENDMENTS)
- TITLE 24, CCR, PART 7
- 2022 CALIFORNIA ENERGY CODE (CEC)
- TITLE 24, CCR, PART 8
- 2022 CALIFORNIA FIRE CODE (CFC), (2018 IFC, & 2019 CA. AMENDMENTS)
- TITLE 24, CCR, PART 11
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGC)
- TITLE 24, CCR, PART 12
- 2022 CALIFORNIA REFERENCED STANDARDS
- PER TITLE 24, CCR, 2022 CBC, PART 2, CHAPTER 35
- 2019 ASME A17.1/CSA B44-14 SAFETY CODE FOR ELEVATORS & ESCALATORS
- PARTIAL LIST OF APPLICABLE STANDARDS (SEE CBC CH. 35 & CFC CH. 80):
- 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA. AMENDED)
- 2019 NFPA 14, INSTALLATION OF STANDPIPE & HOSE SYSTEMS (CA. AMENDED)
- 2021 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS
- 2021 NFPA 77A, HET CHEMICAL SYSTEMS
- 2022 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- 2023 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION
- 2022 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS (CA. AMENDED)
- 2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE (CA. AMENDED)
- 2022 NFPA 80, FIRE DOOR & OTHER OPENING PROTECTIVES
- 2022 NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA. AMENDED)
- 2022 UL 300, CLASS I WOOD FIRE SUPPRESSION SYSTEMS
- 2016 UL 464, AUDIBLE SIGNAL APPLIANCES
- 1999 UL 521, HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
- 2002 UL 1971, STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED
- 2017 ICC 300, BLEACHERS, FOLDING & TELESCOPIC SEATING, & GRANDSTANDS (ICC 300-2012)

TITLE 24 C.C.R. ADMIN. REQUIREMENTS

- CHAPTER 4, PART 1, TITLE 24 CCR ADMINISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY)
- 1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 2. A COPY OF PARTS 1 THRU 5 & 9, TITLE 24, CCR, SHALL BE KEPT ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- 3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS AND ACS, SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- 4. ALL CCD'S AND ADDENDA SHALL BE SIGNED BY THE ARCHITECT AND THE OWNER AND APPROVED BY DSA. CCD'S ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24.
- 5. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A CLASS 3 (MIN) INSPECTOR IS REQUIRED FOR THIS PROJECT.
- 6. ALL TESTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, CCR AND THE DSA APPROVED TESTS & INSPECTIONS SHEET.
- 7. TESTS BY MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24, AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY COSTS OF RE-TEST MAY BE BACK-CHARGED TO THE CONTRACTOR. TESTING LABORATORY SHALL BE AN APPROVED MEMBER OF THE DSA'S LEA (LABORATORY EVALUATION AND ACCEPTANCE) PROGRAM.
- 8. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
- 9. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
- 10. CONTRACTOR, INSPECTOR, ARCHITECT & ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM 6) IN ACCORDANCE WITH SECTION 4-336 AND 4-343, PART 1, TITLE 24.
- 11. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333 (a) AND 4-341, PART 1, TITLE 24.
- 12. CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE W/ SECTION 4-343, PART 1, TITLE 24.
- 13. THE INTENT OF THESE DRAWINGS & SPEC'S IS THAT THE WORK DESCRIBED HEREIN SHALL BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOC'S, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CCR, A CCD DETAILING & SPECIFYING THE REQ'D. WORK SHALL BE SUBMITTED TO & APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- 14. DSA IS NOT SUBJECT TO ARBITRATION.

GENERAL NOTES

- 1. INTENT OF THESE DRAWINGS IS TO SHOW ALL NECESSARY ITEMS TO COMPLETE THIS STRUCTURE. TYPICAL DETAILS & NOTES WITHIN APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. ALL WORK & CONSTRUCTION SHALL COMPLY W/ ALL APPLICABLE BUILDING CODES, REGULATIONS & SAFETY REQUIREMENTS FOR ITEMS, METHODS AND/OR MATERIALS NOT SHOWN.
- 2. DESIGNER IS NOT RESPONSIBLE FOR FABRICATION, ERECTION AND/OR JOB SAFETY. THE CONTRACTOR SHALL COMPLY WITH ALL SAFETY REGULATIONS.
- 3. WHILE EVERY ATTEMPT HAS BEEN MADE TO AVOID MISTAKES IN PREPARATION OF THESE PLANS, MAKER CANNOT GUARANTEE AGAINST HUMAN ERROR. THEREFORE, DIMENSIONS & SPECIFICATIONS HEREIN SHALL BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION & ANY DISCREPANCIES BROUGHT TO ATTENTION OF DESIGNER.
- 4. ALL WORK SHALL BE THE BEST OF THEIR RESPECTIVE TYPES AND CONTRACTORS SHALL BE RESPONSIBLE FOR OBSERVANCE OF ALL STATE, COUNTY, AND LOCAL BUILDING CODES.
- 5. FIRE, VANDALISM & THEFT INSURANCE SHALL BE PROVIDED BY OWNER. PUBLIC LIABILITY AND WORKMEN'S COMPENSATION INSURANCE SHALL BE PROVIDED BY CONTRACTOR.
- 6. CONTRACTOR SHALL REMOVE ALL DEBRIS & LEAVE JOB BROOM CLEAN WITH WINDOWS & FIXTURES WASHED.
- 7. CONTRACTOR SHALL GIVE ARCHITECT 48 HOURS MINIMUM NOTICE WHEN SITE OBSERVATIONS ARE NECESSARY.
- 8. WHEN DISCREPANCIES ARISE BETWEEN ENGINEERING & ARCHITECTURAL SPECIFICATIONS, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- 9. THESE PLANS, SPECIFICATIONS, DETAILS & DESIGNS ARE SOLE PROPERTY OF DESIGNER. CONSTRUCTION IS LIMITED TO A ONE-TIME USE ON PROPERTY NAMED HEREIN. THESE PAGES MAY NOT BE DISPLAYED, COPIED OR USED IN ANY WAY WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE DESIGNER.
- 10. BUILDINGS UNDER CONSTRUCTION SHALL BE PROVIDED WITH ESTABLISHED AND MAINTAINED FIRE DEPARTMENT ACCESS ROADS, AND SHALL COMPLY WITH CFC CHAPTER 35, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION". WATER MAINS AND FIRE HYDRANTS SHALL BE INSTALLED, OPERATIONAL AND CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION OF THE BUILDINGS UNDER CONSTRUCTION PER CFC 8704, CFC 902 AND CFC 903.

DRAWING INDEX

- T-1.0 TITLE SHEET
- B-1.0 ARCHITECTURAL SITE PLAN

- #E0.0 ELECTRICAL SPECIFICATIONS
- #E0.1 ELECTRICAL SCHEDULES
- #E0.2 ONE-LINE DIAGRAM
- #E1.0 ELECTRICAL PLANS

- #FA0.0 FIRE ALARM SPECIFICATIONS
- #FA0.1 FIRE ALARM SCHEDULES
- #FA0.2 FIRE ALARM RISER DIAGRAM
- #FA0.3 FIRE ALARM RISER DIAGRAM
- #FA0.4 FIRE ALARM RISER DIAGRAM
- #FA0.5 FIRE ALARM CALCULATIONS
- #FA0.6 FIRE ALARM CALCULATIONS
- #FA1.0 FIRE ALARM SITE PLAN
- #FA1.1 DEMO FIRE ALARM PLAN
- #FA2.0 DEMO FIRE ALARM PLAN
- #FA2.1 NEW FIRE ALARM PLAN
- #FA2.2 NEW FIRE ALARM PLAN
- #FA2.3 NEW FIRE ALARM PLAN
- #FA2.4 NEW FIRE ALARM PLAN
- #FA.1 FIRE ALARM DETAILS

TOTAL SHEET COUNT = 19

© All Documents Copyright Semingson Architecture & Engineering, Inc. All Rights Reserved. Publication date is the date of the documents.

ABBREVIATIONS

| | | | |
|------------------------------------|------------------------|---------------------------------|-------------------------------|
| A.B. ANCHOR BOLT | E.J. EXPANSION JOINT | LAM. LAMINATE | RELOC. RELOCATE(D) |
| ACQUB. ASPHALTIC CONC. | ELEC. ELECTRICAL | LAV. LAVATORY | RESIL. RESILIENT |
| ADJ. ADJUSTABLE | ELEV. ELEVATION | LEG. LONG LEG | REVISION |
| A.A. AREA DRAIN | LH LONG LEG | LIN. LINEAR | R.M. ROOF |
| ADJ. ADJUSTABLE | EMER. EMERGENCY | LVL. LAMINATED VENEER LUMBER | R.O. ROUGH OPENING |
| A.F.F. ABOVE FINISH FLOOR | ENCL. ENCLOSURE | MAX. MAXIMUM | R.W.L. RAIN WATER LEADER |
| ALT. ALTERNATE | EQ. EQUAL | MCH. MECHANICAL | SCHED. SCHEDULE |
| ALUM. ALUMINUM | EQUIP. EQUIPMENT | MEQB. MECHANICAL EQUIPMENT | SECT. SECTION |
| AND. ANDOZED | EXP. EXPANSION | MFR. MANUFACTURER OF | SHTG. SHEATHING |
| APPROX. APPROXIMATE | EXT. EXTERIOR | MFG. MANUFACTURING | SIM. SIMILAR |
| BO. BOARD | F.A. FIRE ALARM | MIR. MIRROR | SPEC. SPECIFICATION |
| BLDG. BUILDING | F.C. FOUNDATION | M.N. MINIMUM | SQ. SQUARE |
| BLK'G. BLOCKING | F.E. FIRE EXTINGUISHER | MISC. MISCELLANEOUS | S.S. STAINLESS STEEL |
| B.O. BOTTOM OF | F.F. FLOOR FINISH | M.O. MASONRY OPENING | ST. STANDARD |
| BTM. BOTTOM | FLR. FLOORING | MTL. METAL | STL. STEEL |
| BKG. BEARING | FLUR. FLOORING | N.I.C. NOT IN CONTRACT | STRUC. STRUCTURE(AL) |
| CBC CALIF. BUILDING CODE | FLASH. FLASHING | NO. NUMBER | SUSP. SUSPENDED |
| CCD CONSTRUCTION CHANGE DIRECTIVE | FLRFR. FIREPROOF(ING) | N.T.S. NOT TO SCALE | T.O.C. TOP OF CURB |
| CEM. CEMENT | FT. FOOT or FEET | O.A. OVERALL | TREAD |
| CEM. CEMENT | FUT. FUTURE | O.C. ON CENTER | TEL. TELEPHONE |
| CEM. CEMENT | G.A. GAUGE | O.D. OUTSIDE DIAMETER | T&G TONGUE & GROOVE |
| CEM. CEMENT | GALV. GALVANIZED | O.P. OWNER PROVIDED & | THK. THICK |
| CEM. CEMENT | GRAB BAR | O.P.I. INSTALLED | T.O.P. TOP OF PAVEMENT |
| CEM. CEMENT | CONCRETE | CONTRACTOR TO | T.O.P. TOP OF SLAB |
| CONSTR. CONSTRUCTION | INTERRUPTER | INSTALL | T.O.S. TOP OF WALL |
| CONT. CONTINUOUS | GLASS or GLAZING | OPPP(H) OPPOSITE (HAND) OPENING | TYP. TYPICAL |
| CPET CONFORM PATH OF EGRESS TRAVEL | GND. GROUND | PL. PLATE | U.N.G. UNLESS NOTED OTHERWISE |
| CTR. CENTER | GYP. GYPSUM | P.LAM. PLASTIC LAMINATE | VERT. VERTICAL |
| DBL. DOUBLE | H.B. HOSE BIB | PRL. POINT OF CONNECTION | W.H. WATER HEATER WITH (WT) |
| DEPT. DEPARTMENT | HDR. HEADER | P.O.C. POINT OF CONNECTION | W.C. WHEEL CHAIR |
| D.F. DRINKING FOUNTAIN | HORIZ. HORIZONTAL | PR. PAIR | |
| DIA. DIAMETER | HUR. HOUR | PT. PAINT or POINT | |
| DET. DETAIL | HGT. HEIGHT | QT. QUARRY TILE | |
| DIR. DIRECTION | I.D. INSIDE DIAMETER | R. RISE or RISER | |
| DN. DOWN | INCH | R.A. RETURN AIR | |
| D.O. DOOR OPENING | INS. INSULATION | R.O. RETURN | |
| DOC(S) DOCUMENT(S) | INT. INTERIOR | R.I.D. REFERENCE | |
| D.S. DOWNPOUT | INT. INTERIOR | REF. REFERENCE | |
| DWG(S) DRAWING(S) | JAN. JANITOR | REIN. REINFORCING | |
| (E) EXISTING | JNT. JOINT | | |
| EA. EACH | JST. JOIST | | |
| EATD. EXIT ACCESS TRAVEL DISTANCE | | | |

SCOPE OF WORK

A FIRE ALARM REPLACEMENT FOR ALL THE DEVICES ON THE CAMPUS.

DEFERRED APPROVALS

NONE

JOB SPECIFIC NOTES

- 1. CONTRACTOR BIDDING THE PROPOSED PROJECT MUST GO TO THE SCHOOL AND CONDUCT ON SITE INSPECTIONS TO VERIFY FIELD CONDITIONS AND PREPARE TAKEOFFS PRIOR TO BID.
- 2. (E) ELECTRICAL SERVICE TO CAMPUS IS SUFFICIENT TO POWER (N) WORK.
- 3. (E) WATER & SEWER SERVICE TO CAMPUS ARE SUFFICIENT FOR (N) WORK.

DSA PROJECT NUMBERS

PROJECT TRACKING NO: 71498-39
FILE NO: 52-6
APPLICATION NO: 02-124047

SYMBOLS

| | | | |
|-----------------|----------------|--------------------|------------------|
| ROOM NUMBER | WINDOW TYPE | EXTERIOR ELEVATION | MATCH LINE |
| DOOR NUMBER | NOTE | DATUM POINT | |
| ASSEMBLY TYPE | REFERENCE LINE | POINT ELEVATION | BUILDING SECTION |
| REVISION NUMBER | DETAIL NUMBER | INTERIOR ELEVATION | |

ADDITIONAL COMMENTS

PROJECT TEAM

ARCHITECT:
SEMINGSON ARCHITECTURE & ENGINEERING, INC.
3233 BRUSH STREET / P.O. BOX 210 (MAIL)
COTTONWOOD, CA 96022
T: (530) 347-5500

GENERAL CONTRACTOR:
T.B.D.

ELECTRICAL ENGINEER:
PACE ENGINEERING
5155 VENTURE PKWY
REDDING, CA 96002
T: (530) 244-0202

OWNER:
CORNING ELEMENTARY UNION SCHOOL DISTRICT
TIFFANY DIETZ - SUPERINTENDENT
1005 HOAG STREET
CORNING, CA 96021
T: (530) 824-7700

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (APPLICATION NO. 02-124047 FILE NO. 52-6)

The drawings or sheets listed on the cover or index sheet & have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- 1) design intent, and appears to meet the appropriate requirements of title 24, California Code of Regulations, and the project specifications prepared by me, and
- 2) coordination with my plans and specifications, and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code, and Sections 4-336, 4-341 and 4-344" of Title 24, part 1 (Title 24, Part 1, Section 4-317 (b)).

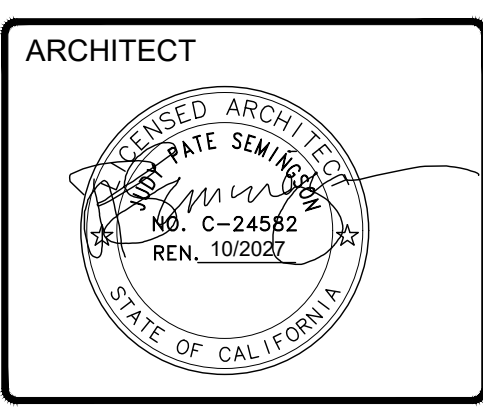
I certify that: All drawings or sheets listed on the cover or index sheet This drawing or page

is/are in general conformance, and is/are in general conformance, and has/have been coordinated

Signature: JUDY PATE SEMINGSON Date: 02/02/2026
Print Name: JUDY PATE SEMINGSON License Number: C24582 Expiration Date: 10/2027

Signature: _____ Date: _____
Print Name: _____ License Number: _____ Expiration Date: _____

A FIRE ALARM REPLACEMENT for:
MAYWOOD MIDDLE SCHOOL
CORNING UNION ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021



ENGINEER

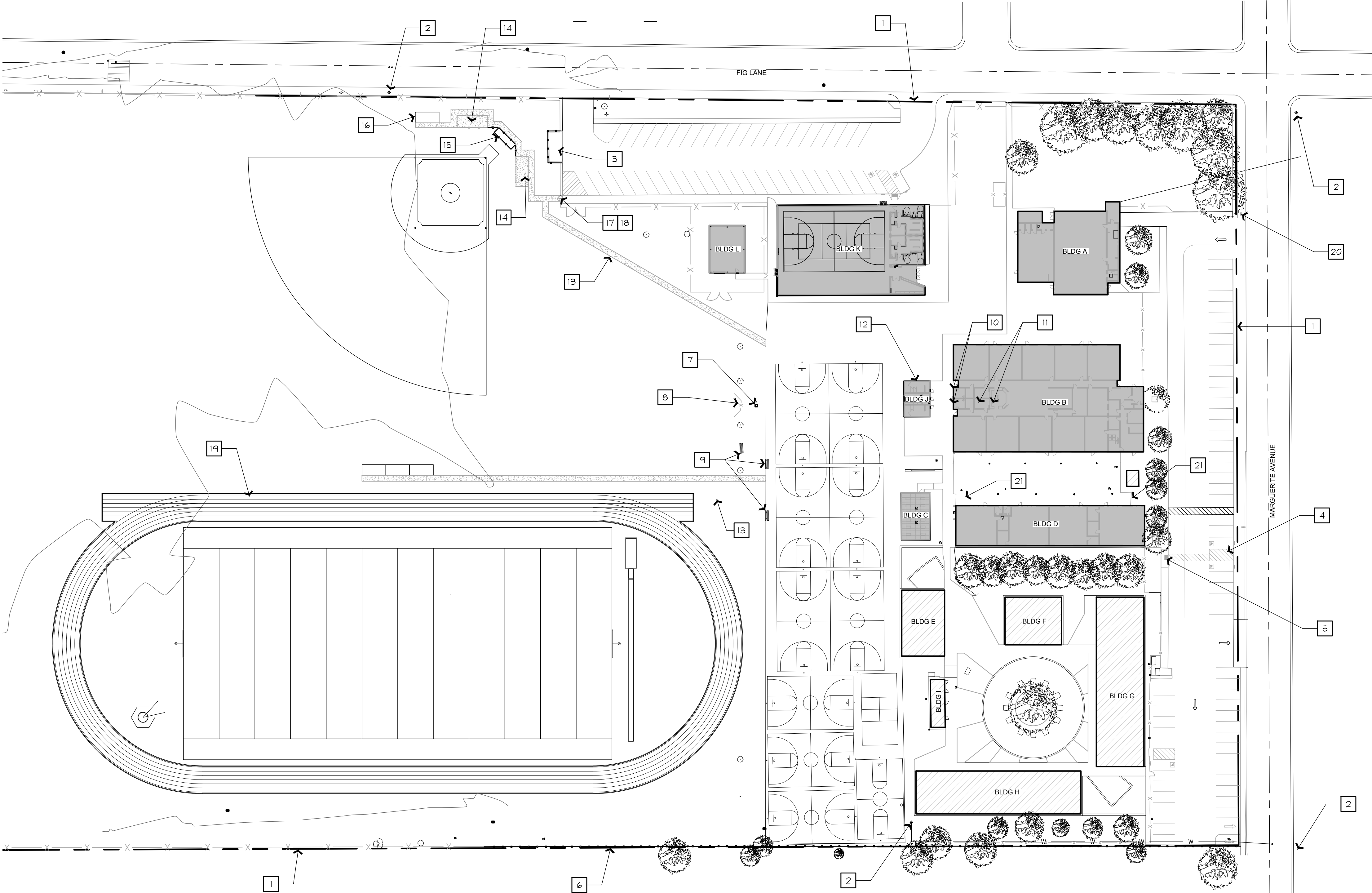
APP.# 02-124047

| REVISIONS: | | |
|------------|---|---|
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |

FOR DSA SUBMITTAL

JOB No.: 25241
DATE: 2/2/2026
SHEET No.: T-1.0
TITLE SHEET

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



SITE PLAN LEGEND

| | | | |
|---------------|--|--------------------|--|
| (E) BUILDING | | (E) FENCE LINE | |
| AREA OF WORK | | (E) PATH OF TRAVEL | |
| PROPERTY LINE | | (E) CMU BLOCK WALL | |

1 ARCHITECTURAL SITE PLAN
SCALE: 1" = 50'

SITE PLAN NOTES

- GENERAL:
- REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION.
- KEYED:
1. PROPERTY LINE.
 2. (E) FIRE HYDRANT.
 3. (E) TRASH ENCLOSURE.
 4. (E) ACCESSIBLE PARKING & STRIPING (DSA APP# 02-108894).
 5. (E) ACCESSIBLE CURB CUT RAMP (DSA APP# 02-114985).
 6. (E) CMU 8" WALL (8'-0" HEIGHT).
 7. (E) DRINKING FOUNTAIN.
 8. (E) BACKSTOP.
 9. (E) BENCH.
 10. (E) ACCESSIBLE DRINKING FOUNTAIN (DSA APP# 02-108894).
 11. (E) ACCESSIBLE MEN'S & WOMEN'S TOILET ROOMS (DSA APP# 02-108894).
 12. (E) ACCESSIBLE BOY'S & GIRL'S TOILET ROOMS (DSA APP# 02-103482).
 13. (E) CONCRETE WALKWAY.
 14. (E) 10'x25' CONCRETE DUGOUT AREA W/ CHAIN-LINK FENCE.
 15. (E) OPEN-MESH BACK-STOP < 35' IN HEIGHT.
 16. NOT USED.
 17. (E) CHAIN-LINK GATE.
 18. (E) WALK FLUSH W/ (E) WALK.
 19. (E) TRACK AND SPORTS FIELD ACCESS.
 20. (E) TOW AWAY SIGN LOCATION. (PER DSA APP #02-121095).
 21. (E) SECURITY GATES. ADD SIGNAGE TO GATE THAT READS "ENTRY RESTRICTED AND CONTROLLED BY SECURITY PERSONNEL".

SITE PLAN PATH OF TRAVEL NOTES

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE STATEMENT:
THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR P.O.T. REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED & ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED & THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS & SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF THE P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CCD.

ACCESSIBLE PATH OF TRAVEL:
AN ACCESSIBLE PATH OF TRAVEL (P.O.T.) (AS VERIFIED BY THE ARCHITECT), IS A COMMON, BARRIER-FREE, ACCESSIBLE ROUTE, AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1/2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. CONTINUOUS GRADIENTS HAVE 60' LEVEL AREAS NOT MORE THAN 400' APART. CROSS SLOPE NOT TO EXCEED 2% SLOPE IN DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED AS A RAMP. MAINTAIN P.O.T. FREE OF OVERHANGING OBSTRUCTIONS TO 80' MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH FLOOR. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING UNLESS IDENTIFIED BY A GUARD, A HANDRAIL, OR A WARNING CURB AT LEAST 6" IN HEIGHT ABOVE THE WALK (11B-303.5).

PARKING ANALYSIS

| PARKING REQUIREMENTS | NO CHANGE |
|---------------------------------------|-----------|
| - TOTAL PARKING SPACES | 106 |
| • SPACES PROVIDED | 106 |
| - REGULAR PARKING SPACES | 101 |
| • SPACES PROVIDED | 101 |
| - ACCESSIBLE PARKING SPACES | 5 |
| • SPACES REQUIRED (PER CBC 11B-206.2) | 5 |
| • SPACES PROVIDED | 5 |

BUILDING LEGEND

| UNIQUE BLDG. IDENTIFIER | BLDG. TYPE/USE | DSA APP. # | YEAR |
|-------------------------|----------------------|--------------------------------|-------------|
| BLDG. A | MULTI USE | 02-36111 | 1973 |
| BLDG. B | LIBRARY / CLASSROOMS | 02-36111, 02-103842, 02-108849 | 1973 & 2002 |
| BLDG. C | PORTABLE CLASSROOM | 02-46294 | 1985 |
| BLDG. D | CLASSROOMS | 02-46294 | 1985 |
| BLDG. E | CLASSROOMS | 02-115552 | 2016 |
| BLDG. F | CLASSROOMS | 02-115553 | 2016 |
| BLDG. G | CLASSROOMS | 02-115553 | 2016 |
| BLDG. H | CLASSROOMS | 02-115552 | 2016 |
| BLDG. I | TOILET ROOMS | 02-114985 | 2016 |
| BLDG. J | TOILET ROOMS | 02-108894 | 2007 |
| BLDG. K | GYM | 02-101561 | 2000 |
| BLDG. L | MAINTENANCE | 02-117621 | 2019 |

AGENCY STAMP

SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT for:
MAYWOOD MIDDLE SCHOOL
CORNING UNION ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER

APP.# 02-124047

REVISIONS:

| | | | |
|---|--|--|--|
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |
| △ | | | |

FOR DSA SUBMITTAL

JOB No.: 25241
DATE: 2/2/2026
SHEET No.:
B-1.0
ARCHITECTURAL SITE PLAN

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

- 1.1 INTENT OF PLANS
- A. ELECTRICAL PLAN DRAWINGS SHOW ONLY GENERAL LOCATIONS OF EQUIPMENT, DEVICES, AND RACEWAY UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER ROUTING OF RACEWAY, SUBJECT TO THE APPROVAL OF THE ENGINEER. MAKE ADJUSTMENTS AS NECESSARY TO WIRING, CONDUIT, DISCONNECTS, BRANCH CIRCUIT PROTECTION, AND OTHER AFFECTED MATERIAL OR EQUIPMENT TO ACCOMMODATE ACTUAL EQUIPMENT SUPPLIED FOR THIS PROJECT.
- 1.2 CODES, PERMITS, AND REGULATIONS
- A. DO ALL WORK AND INSTALL PRODUCTS IN ACCORDANCE WITH APPLICABLE NECA REQUIREMENTS, THE REQUIREMENTS OF APPLICABLE STATE AND LOCAL LAWS, CODES AND ORDINANCES. THE CONTRACTOR SHALL ADHERE TO THE SPECIFIC PRODUCT AND INSTALLATION REQUIREMENTS OF THE UTILITY COMPANIES. CONFLICTS, IF ANY, WILL BE RESOLVED AT THE DISCRETION OF THE ENGINEER.
- B. IT IS OF THE UTMOST IMPORTANCE THAT THE INSTALLING CONTRACTOR HAVE A MASTERY OF THE PROJECT-SPECIFIC REQUIREMENTS SHOWN IN SPECIFICATIONS AND PLANS. IT IS STRONGLY ADVISED THAT THE CONTRACTOR CONTACT THE EOR FOR CLARIFICATION OR RFI THE EOR IF FURTHER INFORMATION IS REQUIRED. THE EOR SHALL REQUIRE REVISIONS TO BE MADE IN THE FIELD IF THE INSTALLATION DOES NOT FALL WITHIN THESE PROJECT-SPECIFIC GUIDELINES. NO ALLOWANCE SHALL BE MADE FOR INSTALLATIONS NOT ADHERING TO THESE REQUIREMENTS.
- 1.3 SUBMITTALS
- A. GENERAL:
1. BEFORE ANY MATERIAL IS FABRICATED OR SHIPPED, FURNISH TO THE ENGINEER FULL DETAILS, SHOP DRAWINGS, DIMENSIONS, CATALOG CUTS, SCHEMATIC (ELEMENTARY) DIAGRAMS, AND OTHER DESCRIPTIVE MATTER AS REQUIRED TO FULLY DESCRIBE THE EQUIPMENT SPECIFIED.
- 1.4 TESTING RELATED SUBMITTALS
- A. TEST PROCEDURES: SUBMIT THE PROCEDURES TO BE FOLLOWED DURING THE OPERATIONAL READINESS TEST. PROCEDURES SHALL INCLUDE TEST DESCRIPTIONS, FORMS, AND CHECKLISTS TO BE USED TO CONTROL AND DOCUMENT THE REQUIRED TESTS. UPON COMPLETION OF EACH REQUIRED TEST, DOCUMENT THE TEST BY SUBMITTING A COPY OF THE SIGNED OFF TEST PROCEDURES.

PART 2 - PRODUCTS

- 2.1 NOTE
- A. UNLESS OTHERWISE INDICATED, PROVIDE ALL FIRST-QUALITY NEW MATERIALS, FREE FROM ANY DEFECTS, AND SUITABLE FOR THE INTENDED USE AND THE SPACE PROVIDED. PROVIDE MATERIALS APPROVED BY UL WHEREVER STANDARDS HAVE BEEN ESTABLISHED BY THAT ORGANIZATION. FURNISH AND INSTALL ALL INCIDENTAL ITEMS NOT SPECIFICALLY SHOWN OR SPECIFIED WHICH ARE REQUIRED TO PROVIDE THE COMPLETE SYSTEMS SPECIFIED HEREIN. WHERE TWO OR MORE UNITS OF THE SAME CLASS OF MATERIAL OR EQUIPMENT ARE REQUIRED, PROVIDE PRODUCTS OF A SINGLE MANUFACTURER. COMPONENT PARTS OF MATERIALS OR EQUIPMENT NEED NOT BE PRODUCTS OF THE SAME MANUFACTURER.
- 2.5 CONDUIT AND CONDUIT FITTINGS:
- A. ELECTRIC METALLIC TUBING (EMT):
1. CONDUIT:
 - a. MEET REQUIREMENTS OF ANSI C80.3 AND UL 797.
 - b. MATERIAL: HOT-DIP GALVANIZED, WITH CHROMIATED AND LACQUERED PROTECTIVE LAYER.
 2. FITTINGS:
 - a. MEET REQUIREMENTS OF UL 5148.
 - b. TYPE: STEEL BODY AND LOCK NUTS WITH STEEL OR MALLEABLE IRON COMPRESSION NUTS.
- 2.7 CONDUCTORS
- A. ELECTRICAL TERMINALS AND TERMINATIONS: IT IS ASSUMED THAT ALL TERMINATIONS IN THE FIELD SHALL HAVE MINIMUM RATED 75°C RATED TERMINALS. THE CONTRACTOR SHALL FIELD VERIFY ALL TERMINALS FOR CONNECTION IN COMPLIANCE WITH CEC 110.14. THE CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD OF ANY TERMINALS DEVIATING FROM A RATING OF 75°C.
1. ALL CONDUCTORS ARE RATED FOR 75°C ON PLANS UNLESS OTHERWISE NOTED.
- B. ALL CONDUCTORS SHOWN SHALL BE NEW UNLESS OTHERWISE INDICATED.
- C. CONDUCTOR TYPE
1. 120 VAC AND 277 VAC LIGHTING: SOLID.
 2. 120 VAC RECEPTACLE CIRCUITS: SOLID.
 3. ALL OTHER CIRCUITS: STRANDED.
 4. INSULATION: TYPE THHN/THWN, 90°C DRY OR 75°C WET.
- 2.11 WALL PLATES
- A. SINGLE SOURCE: OBTAIN WALL PLATES FROM SAME MANUFACTURER OF WIRING DEVICES.
- B. SINGLE AND COMBINATION TYPES SHALL MATCH CORRESPONDING WIRING DEVICES.
1. PLATE SECURING SCREWS: METAL WITH HEAD COLOR TO MATCH PLATE FINISH.
 2. MATERIAL FOR FINISHED SPACES: SMOOTH, HIGH-IMPACT THERMOPLASTIC.

PART 3 - EXECUTION

- 3.1 NOTE
- A. COORDINATE ELECTRICAL WORK WITH THE OWNER AND THE WORK OF OTHER TRADES TO AVOID CONFLICTS, ERRORS, DELAYS, AND UNNECESSARY INTERFERENCE DURING CONSTRUCTION.
- 3.2 PROTECTION DURING CONSTRUCTION
- A. FOLLOWING INSTALLATION, PROTECT MATERIALS, EQUIPMENT, AND INSULATION FROM CORROSION, PHYSICAL DAMAGE, AND MOISTURE. CAP CONDUIT RUNS DURING CONSTRUCTION WITH MANUFACTURED SEALS. KEEP OPENINGS IN BOXES OR EQUIPMENT CLOSED DURING CONSTRUCTION.
- 3.3 MATERIAL AND EQUIPMENT INSTALLATION
- A. FOLLOW THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS UNLESS OTHERWISE INDICATED. FOLLOW THE ENGINEER'S DECISION, WHEREVER ANY CONFLICT ARISES. KEEP COPY OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AVAILABLE ON THE JOBSITE FOR REVIEW AT ALL TIMES.
- 3.4 CUTTING AND PATCHING
- A. DO NOT CUT OR NOTCH ANY STRUCTURAL MEMBER OR BUILDING SURFACE WITHOUT SPECIFIC APPROVAL OF THE ENGINEER. FOLLOWING SUCH WORK, RESTORE SURFACES NEATLY TO NEW CONDITION USING SKILLED CRAFTSMEN OF THE TRADES INVOLVED.
- 3.5 CLEANING AND TOUCH-UP PAINTING
- A. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH. UPON COMPLETION OF WORK, REMOVE MATERIALS, SCRAPS, AND DEBRIS FROM THE PREMISES AND FROM THE INTERIOR AND EXTERIOR OF ALL DEVICES AND EQUIPMENT. REFINISH DAMAGED SURFACES TO NEW CONDITION USING SKILLED CRAFTSMEN OF THE TRADES INVOLVED.
- 3.6 RACEWAY SYSTEM
- A. UNLESS OTHERWISE SPECIFIED OR INDICATED, WIRING SHALL CONSIST OF INSULATED CONDUCTORS INSTALLED IN RACEWAYS OF THE TYPES INDICATED:
- B. INTERIOR, EXPOSED:
1. ELECTRIC METALLIC TUBING: 6 FEET OR MORE ABOVE THE FLOOR.
- C. INTERIOR, CONCEALED (NOT EMBEDDED IN CONCRETE):
1. ELECTRIC METALLIC TUBING.
- D. BOX TYPE (ALL RACEWAY SYSTEMS):
1. INTERIOR DRY LOCATIONS: SHEET STEEL, TYPE 1.
- E. SUPPORT BOXES INDEPENDENTLY OF CONDUIT BY ATTACHMENT TO BUILDING STRUCTURE OR STRUCTURAL MEMBER. INSTALL BAR HANGERS IN FRAME CONSTRUCTION, OR FASTEN BOXES DIRECTLY WITH WOOD SCREWS ON WOOD. BOLTS AND EXPANSION SHIELDS ON CONCRETE OR BRICK. TOGGLE BOLTS ON HOLLOW MASONRY UNITS, AND MACHINE SCREWS OR WELDED THREADED STUDS ON STEELWORK.
- 3.7 RACEWAY INSTALLATION
- A. CONDUIT AND TUBING SIZES SHOWN ARE BASED ON THE USE OF COPPER CONDUCTORS.
- B. MAINTAIN RACEWAY ENTIRELY FREE OF OBSTRUCTIONS AND MOISTURE.
- C. GROUP RACEWAYS INSTALLED IN SAME AREA.
- D. FOLLOW STRUCTURAL SURFACE CONTIGUOUS WHEN INSTALLING EXPOSED RACEWAYS. AVOID OBSTRUCTION OF PASSAGEWAYS. RUN EXPOSED RACEWAYS PARALLEL OR PERPENDICULAR TO WALLS, STRUCTURAL MEMBERS, OR INTERSECTIONS OF VERTICAL PLANES.
- E. ALL METAL CONDUIT TO BE REAMED, BURRS REMOVED, AND CLEANED BEFORE INSTALLATION OF CONDUCTORS, WIRES, OR CABLES.
- 3.8 RACEWAY PENETRATIONS
- A. MAKE AT RIGHT ANGLES, UNLESS OTHERWISE SHOWN.
- B. NOTCHING OR PENETRATION OF STRUCTURAL MEMBERS, INCLUDING FOOTINGS AND BEAMS, NOT PERMITTED.
- 3.9 RACEWAY SUPPORT
- A. SUPPORT FROM STRUCTURAL MEMBERS ONLY, AT INTERVALS NOT EXCEEDING CEC REQUIREMENTS, AND IN ANY CASE NOT EXCEEDING 10 FEET. DO NOT SUPPORT FROM PIPING, PIPE SUPPORTS, OR OTHER RACEWAYS.
- B. WALL BRACKETS AND ASSOCIATED HARDWARE IN CONTACT WITH CONCRETE OR MASONRY SHALL BE STAINLESS STEEL. PROVIDE GALVANIZED STEEL AT ALL OTHER LOCATIONS. STRAP HANGERS AND CEILING TRAPEZE INCLUDING HARDWARE, SHALL BE GALVANIZED STEEL.
- C. PROVIDE AND ATTACH WALL BRACKETS, STRAP HANGERS, OR CEILING TRAPEZE AS FOLLOWS:
1. WOOD: WOOD SCREWS.
 2. HOLLOW MASONRY UNITS: TOGGLE BOLTS.
 3. CONCRETE OR BRICK: EXPANSION SHIELDS, OR THREADED STUDS DRIVEN IN BY POWDER CHARGE, WITH LOCK WASHERS AND NUTS.
 4. STEELWORK: MACHINE SCREWS.
- D. WALLS OR WOODEN FLUGS INSERTED IN CONCRETE OR MASONRY FOR ATTACHING RACEWAY NOT PERMITTED. DO NOT WELD RACEWAYS OR PIPE STRAPS TO STEEL STRUCTURES. DO NOT USE WIRE IN LIEU OF STRAPS OR HANGERS.
- 3.10 RACEWAY BENDS
- A. INSTALL CONCEALED RACEWAYS WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE.
- B. AVOID FIELD-MADE BENDS AND OFFSETS, BUT WHERE NECESSARY, MAKE WITH ACCEPTABLE HICKEY OR BENDING MACHINE. DO NOT HEAT METAL RACEWAYS TO FACILITATE BENDING.
- 3.13 TERMINATION AT ENCLOSURES
- A. SHEET METAL BOXES, CABINETS, AND ENCLOSURES:
1. ELECTRIC METALLIC TUBING: PROVIDE GLAND COMPRESSION, INSULATED CONNECTORS.
- 3.16 CONDUCTORS
- A. DO NOT SPlice INCOMING SERVICE CONDUCTORS AND BRANCH POWER DISTRIBUTION CONDUCTORS NO. 6 AWG AND LARGER UNLESS SPECIFICALLY INDICATED OR APPROVED BY ENGINEER.
- B. CONNECTIONS AND TERMINATIONS:
1. INSTALL WIRE NUTS ONLY ON SOLID CONDUCTORS.
 2. INSTALL NYLON SELF-INSULATED CRIMP CONNECTORS AND TERMINATORS FOR CIRCUIT CONDUCTORS NO. 6 AWG AND SMALLER.
 3. COMPRESSION LUGS:
 - a. ATTACH WITH A TOOL SPECIFICALLY DESIGNED FOR PURPOSE.
 - b. TOOL SHALL PROVIDE COMPLETE, CONTROLLED CRIMP AND SHALL NOT RELEASE UNTIL CRIMP IS COMPLETE.
 - c. DO NOT USE PLIER TYPE CRIMPERS.
- C. DO NOT USE SOLDERED MECHANICAL JOINTS.
- D. SPLICES AND TERMINATIONS:
1. INDOORS: USE GENERAL PURPOSE, FLAME RETARDANT TAPE.
 2. OUTDOORS: USE FLAME RETARDANT, COLD- AND WEATHER-RESISTANT TAPE.
- E. CABINETS AND PANELS:
1. REMOVE SURPLUS WIRE, BRIDLE AND SECURE.

1. WHERE CONDUCTORS PASS THROUGH OPENINGS OR OVER EDGES IN SHEET METAL, REMOVE BURRS CHAMFER EDGES, AND INSTALL BUSHINGS AND PROTECTIVE STRIPS OF INSULATING MATERIAL TO PROTECT THE CONDUCTORS.
- 3.17 GROUNDING
- A. UNLESS OTHERWISE INDICATED, GROUND ALL EXPOSED NON-CURRENT-CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, RACEWAY SYSTEMS, AND THE NEUTRAL OF ALL WIRING SYSTEMS IN ACCORDANCE WITH THE CEC, STATE, AND OTHER APPLICABLE LAWS AND REGULATIONS.
- 3.21 OPERATIONAL READINESS TEST (ORT)
- A. TESTING, TEST PLANS, AND TEST REPORTS SHALL BE PROVIDED BY THE CONTRACTOR AS SPECIFIED HEREIN. THE CONTRACTOR SHALL PROVIDE LABOR, INSTRUMENTS, AND OTHER MATERIAL TO COMPLETE THE TEST.
- B. THE ENTIRE INSTALLED ELECTRICAL SYSTEM SHALL BE CERTIFIED (INSPECTED, TESTED, AND DOCUMENTED) THAT IT IS READY FOR OPERATION. THE OBJECTIVE OF THIS TEST IS TO DEMONSTRATE THAT THE ELECTRICAL SYSTEM IS COMPLETE AND READY FOR USE.
1. DEMONSTRATION:
 - a. DEMONSTRATE PROPER CIRCUITING.
 - b. DEMONSTRATE PROPER PANEL RELABELING.
- C. PANELBOARD DIRECTORIES SHALL MEET MINIMUM CEC 408.4 REQUIREMENTS. THE CONTRACTOR SHALL IDENTIFY EACH CIRCUIT WITH ROOM NUMBER, ROOM NAME AND EQUIPMENT SERVED. STANDARD ABBREVIATIONS FROM THE NEC AND WEBSTER'S DICTIONARY ARE ALLOWED. (E.G., "207 JANITOR WH" OR "102 103 RR RCPT".)
- D. LABELS SHALL BE MELAMINE, FLEXI-BRASS, OR EQUAL MATERIAL, 1.5"X3", WITH 3/8" H THICK NEW ROMAN LETTERING.
1. BACKGROUND/LETTERING COLOR SHALL BE AS FOLLOWS:
 - a. BLACK/WHITE (NORMAL BRANCHES)

AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER



REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |

FOR DSA APPROVAL

JOB No.: 25241

DATE: 3/4/26

SHEET No.:

E0.0

ELECTRICAL SPECIFICATIONS



© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith or any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

| ELECTRICAL SYMBOLS | | | | |
|---------------------------------|---|---|--------------------|-------------------------------------|
| LINE TYPES AND SYMBOLS | CONDUIT EXPOSED | | | |
| | CONDUIT CONCEALED or BURIED | | | |
| | INDICATES FIRE RATED WALL | | | |
| TICK MARKS | CONDUIT UP | | | |
| | CONDUIT DOWN | | | |
| | HOME RUN-DESTINATION SHOWN | | | |
| TICK MARKS | TICK MARKS W/BARS INDICATES NUMBER OF #10 CONDUCTORS WITH #10 GROUND | | | |
| | TICK MARKS WITHOUT BARS INDICATES NUMBER OF #12 CONDUCTORS WITH #12 GROUND | | | |
| | "L" INDICATES 0-10V DIMMING CABLE; "SE" INDICATES CAT5E CABLE; "CU" INDICATES 0-10V DIMMING AND COLOR TUNING CABLE. | | | |
| DEVICES, BOXES AND TERMINATIONS | PLUGLOAD RELAY | | | |
| | JUNCTION BOX | | | |
| | PORCELAIN LAMP HOLDER WITH PULL CHAIN AND INTEGRAL RECEPTACLE (HVAC LIGHT/PLUG ONLY) | | | |
| | CONNECTION POINT (CONTRACTOR SHALL DETERMINE CONNECTION CONFIGURATION) | | | |
| | LOW VOLTAGE DEVICE BOX | | | |
| | DUPLX RECEPTACLE | | | |
| | QUADRUPLEX RECEPTACLE | | | |
| | EMERGENCY RECEPTACLE | | | |
| | CONTROLLED SPLIT DUPLX RECEPTACLE | | | |
| | QUADRUPLEX RECEPTACLE; (1) CONTROLLED SPLIT DUPLX RECEPTACLE, (1) DUPLX RECEPTACLE | | | |
| | SINGLE OR THREE PHASE RECEPTACLE, SEE PLAN SHEETS TYPE PER LOCATION | | | |
| | FLOOR BOX | | | |
| | HAND HOLE | | | |
| | PULLBOX | | | |
| | ROOFTOP SUPPORT | | | |
| EQUIPMENT | FUUSED DISCONNECT | XXA/XXF XX | 60AS/20F WP | 60A DISCONNECT, 20A FUSE NEMA 3R |
| | NON-FUUSED DISCONNECT | XX XX | 60A WP | 60A DISCONNECT NEMA 3R |
| | MAJOR ELECTRICAL COMPONENT OR DEVICE NAME OR IDENTIFYING SYMBOL AS SHOWN | | | |
| | SURFACE MOUNT PANELBOARD | | | |
| | FLUSH MOUNT PANELBOARD | | | |
| | EXOTHERMIC WELD, TERMINATION OR SPLICE POINT | | | |
| | GROUND ROD | | | |
| | GROUNDING ELECTRODE | | | |
| | CIRCUIT BREAKER | XXA XXAF XP | 60A 100AF 3P | 60A TRIP, 100A FRAME, 3 POLES |
| | CURRENT TRANSFORMER, NUMBER INDICATED | | | |
| ANNOTATION | KEYNOTE | | | |
| | (A : B) | INDICATES INTERCONNECTION OF PATHWAYS AND/OR CONDUCTORS, E.G., 4"C-4#500,1#3G (MSB : PNL A) INDICATES CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD TO PANELBOARD A. | | |

NOTE: THIS IS A SUPPLEMENTAL STANDARD ELECTRICAL LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS. SEE LIGHTING CONTROL SHEET FOR LIGHTING LEGEND.

| ELECTRICAL ABBREVIATIONS | |
|--------------------------|--|
| A | - AMMETER, AMPERE |
| AC | - ALTERNATING CURRENT |
| ACH | - ABOVE COUNTER HEIGHT |
| AFCI | - ARC FAULT CIRCUIT INTERRUPT |
| AFF | - ABOVE FINISHED FLOOR OR GRADE |
| AIC | - AMPS INTERRUPTING CAPACITY |
| AL | - ALUMINUM |
| ATS | - AUTOMATIC TRANSFER SWITCH |
| BCT | - BONDING CONDUCTOR FOR TELECOMMUNICATIONS. |
| BGES | - BUILDING GROUND ELECTRODE SYSTEM |
| BRKR | - BREAKER |
| BOD | - BOTTOM OF DEVICE |
| C or CONDU | - CONDUIT |
| CAB | - CABINET |
| CEB | - CRITICAL EMERGENCY BRANCH |
| CEC | - CALIFORNIA ELECTRIC CODE |
| CKT | - CIRCUIT |
| COD | - CENTER OF DEVICE |
| CR | - CONTROLLED RECEPTACLE |
| CT | - CURRENT TRANSFORMER |
| DC | - DIRECT CURRENT |
| [E] or EXIST | - EXISTING |
| EEB | - EQUIPMENT EMERGENCY BRANCH |
| EEOR | - ELECTRICAL ENGINEER OF RECORD |
| EGC | - EQUIPMENT GROUNDING CONDUCTOR |
| ENC | - ENCLOSURE |
| (F) | - FUTURE |
| FACP | - FIRE ALARM CONTROL PANEL |
| FACU | - FIRE ALARM CONTROL UNIT |
| FSD | - FIRE SMOKE DAMPER |
| G | - EQUIPMENT GROUNDING CONDUCTOR |
| GEC | - GROUNDING ELECTRODE CONDUCTOR |
| GFCI | - GROUND FAULT CIRCUIT INTERRUPT |
| GND | - GROUND |
| J | - JUNCTION BOX |
| LAUN | - LAUNDRY |
| LCP | - LIGHTING CONTROL PANEL |
| LTG | - LIGHTING |
| LSEB | - LIFE SAFETY EMERGENCY BRANCH |
| MBJ | - MAIN BONDING JUMPER |
| MCB | - MAIN CIRCUIT BREAKER |
| MFR | - MANUFACTURER |
| MLO | - MAIN LUG ONLY |
| MOCPP | - MAXIMUM OVERCURRENT PROTECTION |
| MSB | - MAIN SWITCH BOARD |
| MTS | - MANUAL TRANSFER SWITCH |
| MWIRE | - MULTIWIRE BRANCH CIRCUIT |
| NEC | - NATIONAL ELECTRIC CODE |
| NEMA | - NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION |
| N | - NEUTRAL |
| (N) | - NEW |
| NB | - NORMAL BRANCH |
| NSEB | - NON-SEGREGATED EMERGENCY BRANCH |
| OFCI | - OWNER FURNISHED, CONTRACTOR INSTALLED |
| OFOI | - OWNER FURNISHED, OWNER INSTALLED |
| PB | - PULLBOX |
| PNL | - PANELBOARD |
| PLR | - PLUG LOAD RELAY |
| RCPT | - RECEPTACLE |
| RM | - ROOM |
| SWBD | - SWITCHBOARD |
| SBJ | - SYSTEM BONDING JUMPER |
| SSBJ | - SUPPLY SIDE BONDING JUMPER |
| T | - THERMOSTAT OR TELE CONDUIT |
| TBB | - TELECOMMUNICATIONS BONDING |
| TGB | - TELECOMMUNICATIONS GROUND BUS |
| TMGB | - TELECOMMUNICATIONS MAIN GROUND BUS |
| TOD | - TOP OF DEVICE |
| TR | - TAMPER |
| TYP | - TYPICAL |
| V | - VOLTMETER, VOLT |
| W | - WAIT |
| WW | - WIREWAY |
| WP | - WEATHERPROOF (NEMA 3R) |
| XFMR | - TRANSFORMER |

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

| COMPLY WITH APPLICABLE CODES | |
|------------------------------|--------------------------------|
| # | CODE |
| 1. | 2025 CALIFORNIA BUILDING CODE. |
| 2. | 2025 CALIFORNIA ELECTRIC CODE. |
| 3. | 2025 CALIFORNIA ENERGY CODE. |
| 4. | 2025 CALIFORNIA FIRE CODE. |

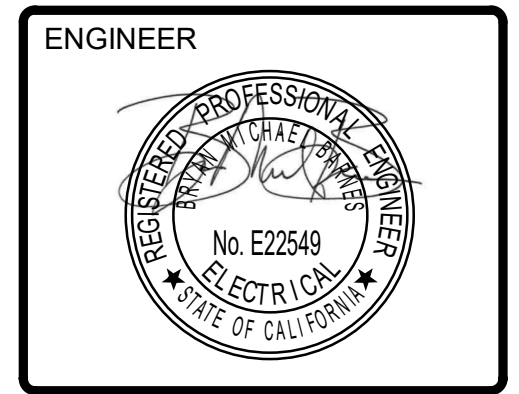
AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING
3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:
Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT



| REVISIONS: | | | |
|------------|---|---|---|
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |

| FOR DSA APPROVAL | |
|----------------------|-------------|
| JOB No.: | 25241 |
| DATE: | 3/4/26 |
| SHEET No.: | E0.1 |
| ELECTRICAL SCHEDULES | |



C:\Users\eytibe\Desktop\Revit\local files\2260.144\Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L2a.rvt 3/3/2026 10:32:02 AM

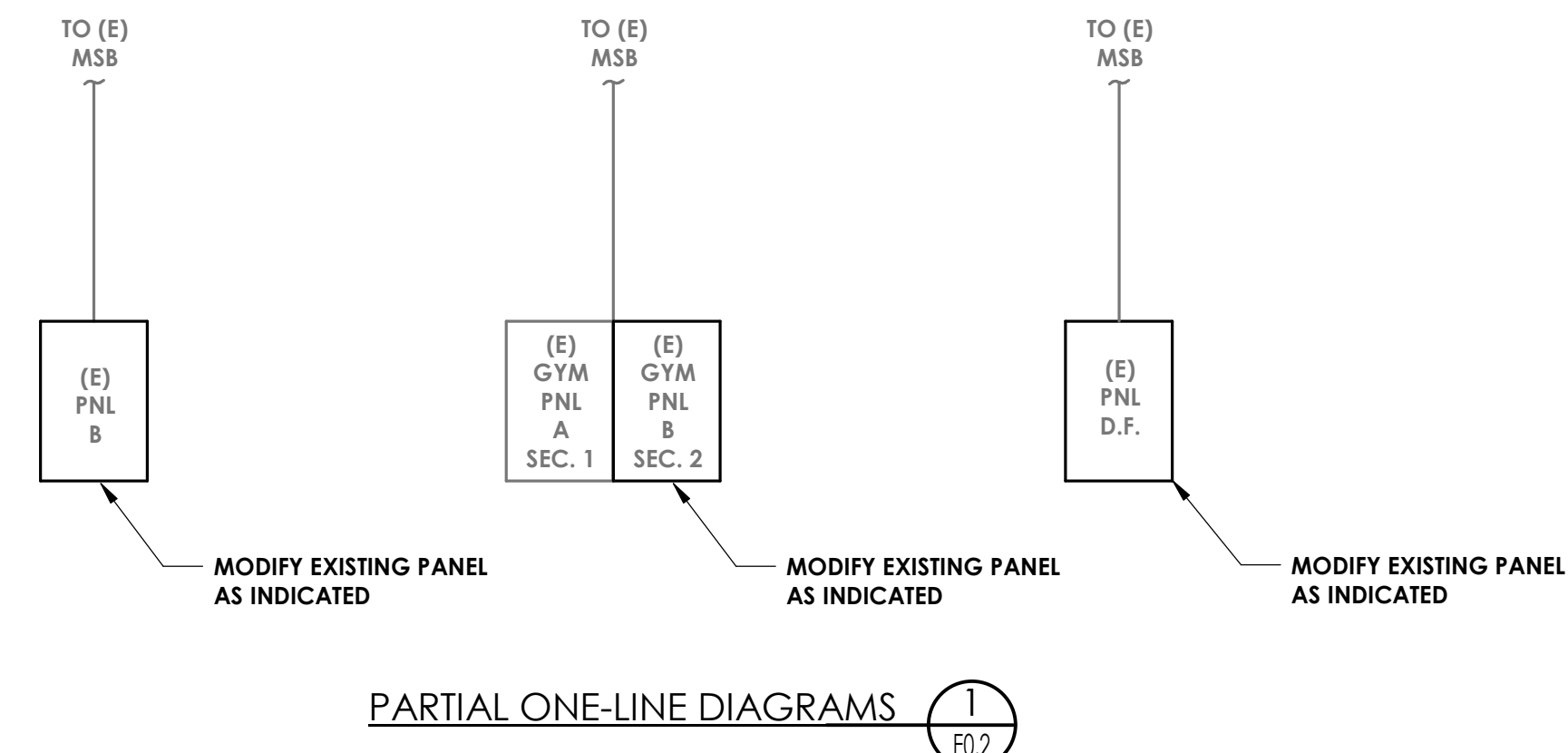
© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith or any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

| (E) PANELBOARD | | | | | | | | | | | | | | B | | | | | | | | | | | | | |
|------------------------|----------|-----------------------------------|------|----------|----------------|---------|---------|----------------|---------|---------|----------------|------|----------------------|--------------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| LOCATION: PANTRY | | | | | | | | | | | | | | VOLTS: 120/208 WYE | | | | | | | | | | | | | |
| MOUNTING TYPE: FLUSH | | | | | | | | | | | | | | WIRES: 4 | | | | | | | | | | | | | |
| ENCLOSURE TYPE: NEMA 1 | | | | | | | | | | | | | | CIRCUITS: 42 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | BUS RATING: 225 A | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | MAIN BREAKER: MLO | | | | | | | | | | | | | |
| CKT | HOME RUN | LOAD NAME | TRIP | INT TYPE | A | B | C | A | B | C | INT TYPE | TRIP | LOAD NAME | HOME RUN | CKT | | | | | | | | | | | | |
| 1 | EXISTING | (E) OVEN | 20 A | SHUNT | 500 VA | | | 500 VA | | | -- | 20 A | (E) COUNTER RCPTS | EXISTING | 2 | | | | | | | | | | | | |
| 3 | EXISTING | (E) OVEN | 20 A | SHUNT | | 500 VA | | | 500 VA | | -- | 20 A | (E) COUNTER RCPTS | EXISTING | 4 | | | | | | | | | | | | |
| 5 | EXISTING | (E) COUNTER RCPTS | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) COUNTER RCPTS | EXISTING | 6 | | | | | | | | | | | | |
| 7 | EXISTING | (E) COUNTER RCPTS | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) COUNTER RCPTS | EXISTING | 8 | | | | | | | | | | | | |
| 9 | EXISTING | (E) COUNTER RCPTS | 20 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) COUNTER RCPTS | EXISTING | 10 | | | | | | | | | | | | |
| 11 | EXISTING | (E) RED WARMER | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) ICE MACHINE RCPT | EXISTING | 12 | | | | | | | | | | | | |
| 13 | | EQUIPMENT CONNECTION POINT | 20 A | -- | 400 VA | | | 500 VA | | | -- | 20 A | (E) COUNTER RCPTS | EXISTING | 14 | | | | | | | | | | | | |
| 15 | EXISTING | (E) OVEN | 20 A | SHUNT | | 500 VA | | | 500 VA | | -- | 20 A | (E) HOOD LTG | EXISTING | 16 | | | | | | | | | | | | |
| 17 | EXISTING | (E) OVEN | 20 A | SHUNT | | | 500 VA | | | 500 VA | -- | 20 A | (E) HOOD EXHAUST | EXISTING | 18 | | | | | | | | | | | | |
| 19 | EXISTING | (E) LIGHTING | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) ANSUL CONTROL | EXISTING | 20 | | | | | | | | | | | | |
| 21 | EXISTING | (E) ROLL UP DOORS | 20 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) WATER HEATER | EXISTING | 22 | | | | | | | | | | | | |
| 23 | EXISTING | (E) LOAD | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) SCANNER RCPT | EXISTING | 24 | | | | | | | | | | | | |
| 25 | EXISTING | (E) CAFETERIA RCPTS | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) LOAD | EXISTING | 26 | | | | | | | | | | | | |
| 27 | | | | | | 1500 VA | | | 1500 VA | | | | | | 28 | | | | | | | | | | | | |
| 29 | EXISTING | (E) AC | 50 A | -- | | | 1500 VA | | | 1500 VA | -- | 50 A | (E) WALK IN COOLER | EXISTING | 30 | | | | | | | | | | | | |
| 31 | | | | | 1500 VA | | | 1500 VA | | | | | | | 32 | | | | | | | | | | | | |
| 33 | EXISTING | (E) CAFETERIA EXHAUST | 20 A | -- | | 500 VA | | | 2000 VA | | -- | 60 A | (E) SUB PANEL | EXISTING | 34 | | | | | | | | | | | | |
| 35 | -- | (E) SPARE | 20 A | -- | | | 0 VA | | | 2000 VA | -- | 60 A | (E) SUB PANEL | EXISTING | 36 | | | | | | | | | | | | |
| 37 | | | | | 2000 VA | | | 0 VA | | | | | | | 38 | | | | | | | | | | | | |
| 39 | EXISTING | (E) DISHWASHER BOOSTER | 60 A | -- | | 2000 VA | | | 0 VA | | -- | 20 A | (E) SPARE | -- | 40 | | | | | | | | | | | | |
| 41 | | | | | | | 2000 VA | | | 0 VA | | | | | 42 | | | | | | | | | | | | |
| | | | | | PHASE A | | | PHASE B | | | PHASE C | | | Notes: | | | | | | | | | | | | | |
| | | | | | 9900 VA | | | 11500 VA | | | 11000 VA | | | | | | | | | | | | | | | | |
| | | | | | 83 | | | 9% | | | 92 | | | | | | | | | | | | | | | | |

| (E) PANELBOARD | | | | | | | | | | | | | | GYM PNL B | | | | | | | | | | | | | |
|------------------------|----------|-----------------------------------|------|----------|----------------|---------|---------|----------------|--------|--------|----------------|------|----------------------|--------------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| LOCATION: GYM STORAGE | | | | | | | | | | | | | | VOLTS: 120/208 WYE | | | | | | | | | | | | | |
| MOUNTING TYPE: SURFACE | | | | | | | | | | | | | | WIRES: 4 | | | | | | | | | | | | | |
| ENCLOSURE TYPE: NEMA 1 | | | | | | | | | | | | | | CIRCUITS: 42 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | BUS RATING: 400 A | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | MAIN BREAKER: MLO | | | | | | | | | | | | | |
| CKT | HOME RUN | LOAD NAME | TRIP | INT TYPE | A | B | C | A | B | C | INT TYPE | TRIP | LOAD NAME | HOME RUN | CKT | | | | | | | | | | | | |
| 43 | EXISTING | (E) BACKBOARD WINCH | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) BACKBOARD WINCH | EXISTING | 44 | | | | | | | | | | | | |
| 45 | EXISTING | (E) BACKBOARD WINCH | 20 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) BACKBOARD WINCH | EXISTING | 46 | | | | | | | | | | | | |
| 47 | EXISTING | (E) LOAD | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) LIGHTING CONTROL | EXISTING | 48 | | | | | | | | | | | | |
| 49 | EXISTING | (E) LOAD | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) LOAD | EXISTING | 50 | | | | | | | | | | | | |
| 51 | EXISTING | (E) LOAD | 20 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) LOAD | EXISTING | 52 | | | | | | | | | | | | |
| 53 | EXISTING | (E) LOAD | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) SOUND SYSTEM | EXISTING | 54 | | | | | | | | | | | | |
| 55 | EXISTING | (E) LOAD | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) LOAD | EXISTING | 56 | | | | | | | | | | | | |
| 57 | EXISTING | (E) LOAD | 20 A | -- | | 500 VA | | | 500 VA | | -- | 30 A | (E) LOAD | EXISTING | 58 | | | | | | | | | | | | |
| 59 | EXISTING | (E) LOAD | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) UPSTAIRS CAB | EXISTING | 60 | | | | | | | | | | | | |
| 61 | EXISTING | (E) LOAD | 20 A | -- | 500 VA | | | -- | | | -- | -- | (E) SPACE | -- | 62 | | | | | | | | | | | | |
| 63 | EXISTING | (E) LOAD | 20 A | -- | | 500 VA | | | -- | | -- | -- | (E) SPACE | -- | 64 | | | | | | | | | | | | |
| 65 | EXISTING | (E) LOAD | 20 A | -- | | | 500 VA | | | -- | -- | -- | (E) SPACE | -- | 66 | | | | | | | | | | | | |
| 67 | | EQUIPMENT CONNECTION POINT | 20 A | -- | 350 VA | | | 500 VA | | | -- | 20 A | (E) HAND DRYER | EXISTING | 68 | | | | | | | | | | | | |
| 69 | EXISTING | (E) MOTORIZED DAMPERS | 20 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) HAND DRYER | EXISTING | 70 | | | | | | | | | | | | |
| 71 | EXISTING | (E) DUCT DETECTORS | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) HAND DRYER | EXISTING | 72 | | | | | | | | | | | | |
| 73 | EXISTING | (E) GWH-1 | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) HAND DRYER | EXISTING | 74 | | | | | | | | | | | | |
| 75 | EXISTING | (E) F-1 | 20 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) EF-1 | EXISTING | 76 | | | | | | | | | | | | |
| 77 | EXISTING | (E) F-2 | 20 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) EF-1 | EXISTING | 78 | | | | | | | | | | | | |
| 79 | | | | | 2000 VA | | | 500 VA | | | | | | | 80 | | | | | | | | | | | | |
| 81 | EXISTING | (E) AH-1 | 50 A | -- | | 2000 VA | | | 500 VA | | -- | 20 A | (E) AH-2 | EXISTING | 82 | | | | | | | | | | | | |
| 83 | | | | | | | 2000 VA | | | 500 VA | | | | | 84 | | | | | | | | | | | | |
| | | | | | PHASE A | | | PHASE B | | | PHASE C | | | Notes: | | | | | | | | | | | | | |
| | | | | | 7850 VA | | | 8000 VA | | | 8000 VA | | | | | | | | | | | | | | | | |
| | | | | | 66 | | | 67 | | | 67 | | | | | | | | | | | | | | | | |

| (E) PANELBOARD | | | | | | | | | | | | | | D.F. | | | | | | | | | | | | | |
|----------------------------------|----------|------------------------|-------|----------|----------------|---------|---------|----------------|---------|---------|----------------|-------------|-----------------------------------|---|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| LOCATION: CLASSROOM WING STORAGE | | | | | | | | | | | | | | VOLTS: 120/208 WYE | | | | | | | | | | | | | |
| MOUNTING TYPE: FLUSH | | | | | | | | | | | | | | WIRES: 4 | | | | | | | | | | | | | |
| ENCLOSURE TYPE: NEMA 1 | | | | | | | | | | | | | | CIRCUITS: 42 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | BUS RATING: 400 A | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | MAIN BREAKER: 300 A | | | | | | | | | | | | | |
| CKT | HOME RUN | LOAD NAME | TRIP | INT TYPE | A | B | C | A | B | C | INT TYPE | TRIP | LOAD NAME | HOME RUN | CKT | | | | | | | | | | | | |
| 1 | EXISTING | (E) KILN | 50 A | -- | 2000 VA | | | 350 VA | | | -- | 20 A | EQUIPMENT CONNECTION POINT | -- | 2 | | | | | | | | | | | | |
| 3 | | | | | | 2000 VA | | | | | -- | -- | (E) SPACE | -- | 4 | | | | | | | | | | | | |
| 5 | | | | | | | 2000 VA | | | 1500 VA | -- | 30 A | (E) ROOM 12 WASHER/DRYER | EXISTING | 6 | | | | | | | | | | | | |
| 7 | EXISTING | (E) SNACK BAR | 70 A | -- | 3000 VA | | | 1500 VA | | 2000 VA | -- | 50 A | (E) KILN | EXISTING | 8 | | | | | | | | | | | | |
| 9 | | (E) SPACE | -- | -- | | | -- | | | 2000 VA | -- | 50 A | (E) KILN | EXISTING | 10 | | | | | | | | | | | | |
| 11 | | | | | 3000 VA | | | 3000 VA | | | -- | | | | 12 | | | | | | | | | | | | |
| 13 | | | | | | 3000 VA | | | 3000 VA | | -- | | | | 14 | | | | | | | | | | | | |
| 15 | EXISTING | (E) AC-1 | 70 A | -- | | 3000 VA | | | 3000 VA | | -- | 70 A | (E) AC-2 | EXISTING | 16 | | | | | | | | | | | | |
| 17 | | | | | | | 3000 VA | | | 3000 VA | -- | | | | 18 | | | | | | | | | | | | |
| 19 | | | | | 2500 VA | | | 3000 VA | | | -- | | | | 20 | | | | | | | | | | | | |
| 21 | EXISTING | (E) AC-3 | 60 A | -- | | 2500 VA | | | 3000 VA | | -- | 70 A | (E) AC-4 | EXISTING | 22 | | | | | | | | | | | | |
| 23 | | | | | | | 2500 VA | | | 3000 VA | -- | | | | 24 | | | | | | | | | | | | |
| 25 | EXISTING | (E) ANIMAL CAGE HEATER | 20 A | -- | 500 VA | | | 500 VA | | | GFCI | 20 A | (E) RCPT PHY. SYC. | EXISTING | 26 | | | | | | | | | | | | |
| 27 | | | | | | 500 VA | | | 500 VA | | GFCI | 20 A | (E) RCPT PHY. SYC. | EXISTING | 28 | | | | | | | | | | | | |
| 29 | EXISTING | (E) FRIDGE #3 | 20 A | -- | | | 500 VA | | | 500 VA | GFCI | 20 A | (E) RCPT PHY. SYC. | EXISTING | 30 | | | | | | | | | | | | |
| 31 | | | | | 5000 VA | | | 500 VA | | | GFCI | 20 A | (E) RCPT PHY. SYC. | EXISTING | 32 | | | | | | | | | | | | |
| 33 | EXISTING | (E) PNL F | 100 A | -- | | 5000 VA | | | 500 VA | | GFCI | 20 A | (E) RCPT PHY. SYC. | EXISTING | 34 | | | | | | | | | | | | |
| 35 | | | | | | | 5000 VA | | | 500 VA | GFCI | 20 A | (E) RCPT PHY. SYC. | EXISTING | 36 | | | | | | | | | | | | |
| 37 | EXISTING | (E) REF 1 & 2 | 20 A | -- | 500 VA | | | 500 VA | | | -- | 20 A | (E) RCPT MATCH | EXISTING | 38 | | | | | | | | | | | | |
| 39 | EXISTING | (E) WATER HEATER 1 | 30 A | -- | | 500 VA | | | 500 VA | | -- | 20 A | (E) RCPT PHYSICS | EXISTING | 40 | | | | | | | | | | | | |
| 41 | EXISTING | (E) WATER HEATER 2 | 30 A | -- | | | 500 VA | | | 500 VA | -- | 20 A | (E) RCPT PHYSICS | EXISTING | 42 | | | | | | | | | | | | |
| | | | | | PHASE A | | | PHASE B | | | PHASE C | | | Notes: * PROVIDE BREAKER WITH RED HANDLE AND MECHANICAL HOLD. | | | | | | | | | | | | | |
| | | | | | 25850 VA | | | 26000 VA | | | 24500 VA | | | | | | | | | | | | | | | | |
| | | | | | 216 | | | 217 | | | 205 | | | | | | | | | | | | | | | | |

| KEYNOTES | |
|----------|--|
| # | NOTE |
| 1. | INTERCONNECT THE EXISTING SHUNT TRIP BREAKERS FEEDING LOADS UNDER THE KITCHEN HOOD TO NEW RELAY SHOWN USING 1/2" C-2#12, 1#12G. UPON ANSUL SYSTEM ACTIVATION, THE RELAY SHALL ACTIVATE SHUNT TRIP SYSTEM AND OPEN SHUNT TRIP BREAKERS. |
| 2. | PROVIDE AND INSTALL LISTED CIRCUIT BREAKER LOCKING DEVICE (MECHANICAL HOLD-DOWN) WITH RED IDENTIFICATION PER NFPA 72 ON EXISTING FIRE ALARM BRANCH CIRCUIT BREAKER. |
| 3. | PROVIDE AND INSTALL NEW BREAKER SHOWN OF THE SAME TYPE AND RATING AS EXISTING. UPDATE CIRCUIT DIRECTORY. |

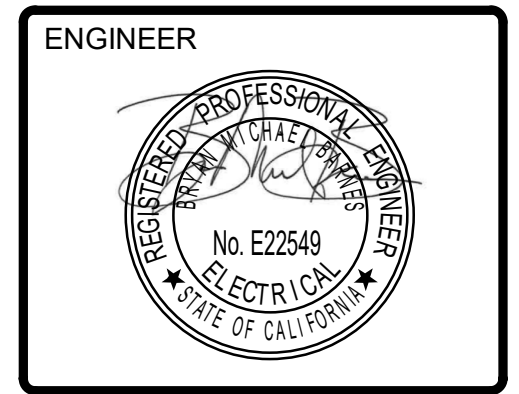


AGENCY STAMP



A FIRE ALARM REPLACEMENT PROJECT for:
Maywood Elementary School
 MAYWOOD ELEMENTARY SCHOOL DISTRICT
 1666 MARGUERITE AVE
 CORNING, CA 96021

ARCHITECT



| REVISIONS: | |
|------------|--|
| △ | |
| △ | |
| △ | |
| △ | |
| △ | |

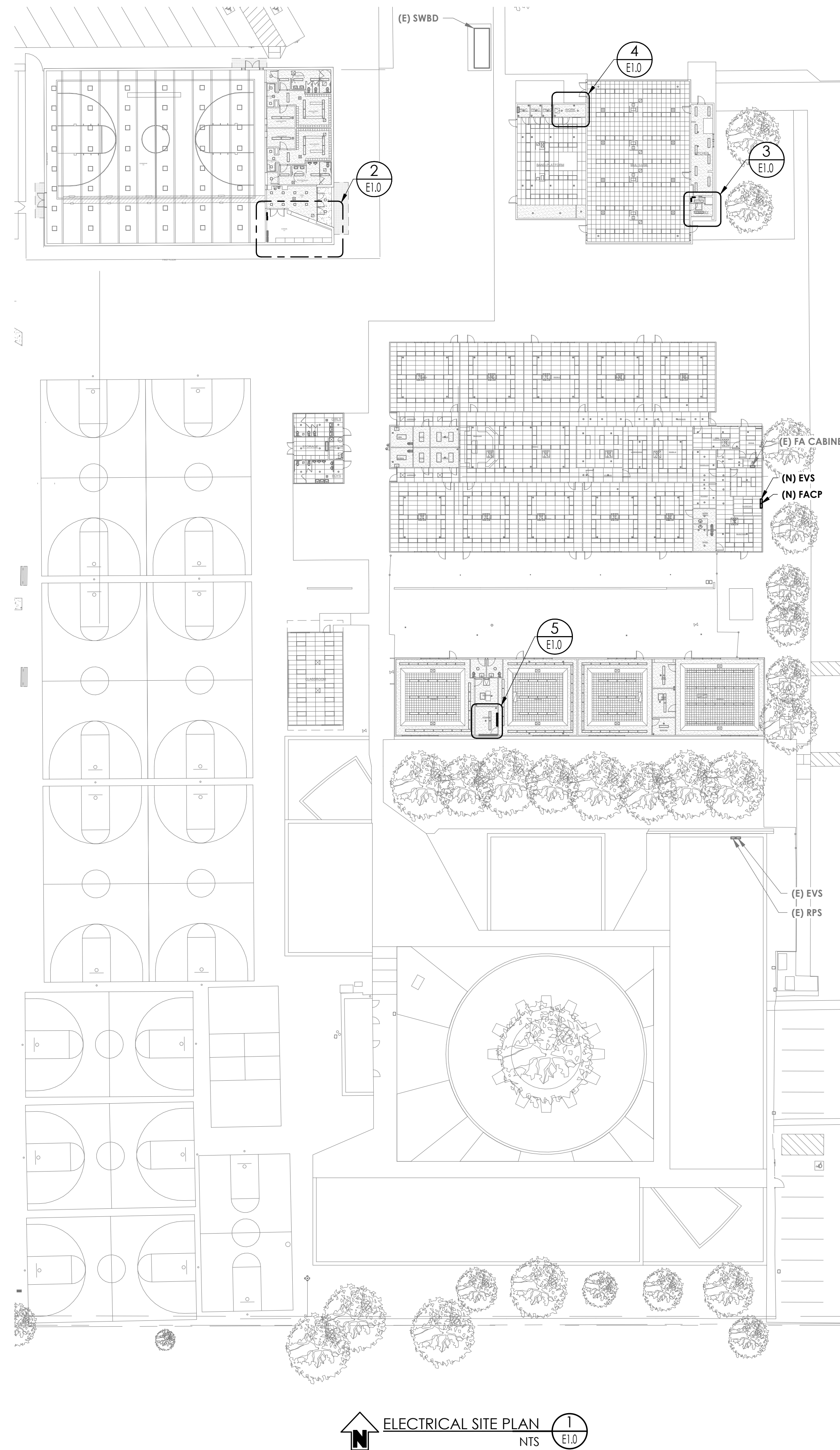
FOR DSA APPROVAL

JOB No.: 25241
 DATE: 3/4/26
 SHEET No.:
E0.2
 ONE-LINE DIAGRAM

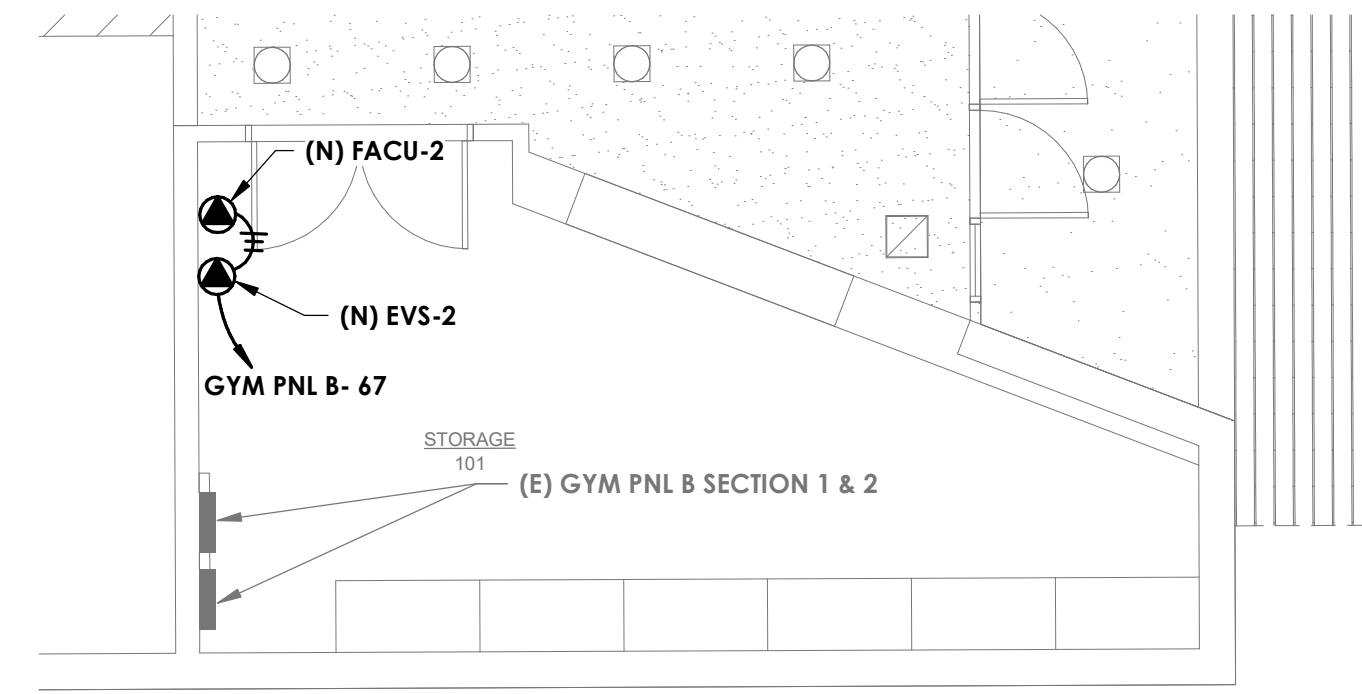


C:\Users\eytbe\Desktop\Revit\local files\2260.144\Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L2a.rvt 3/3/2026 10:32:03 AM

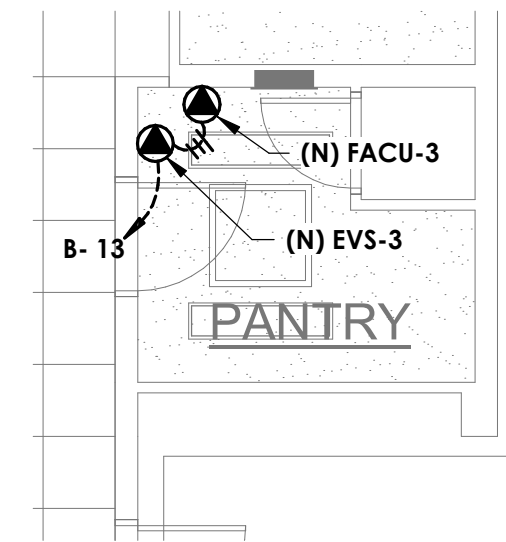
© Semington Architecture & Engineering, Inc. All rights reserved. Semington Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith or liable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



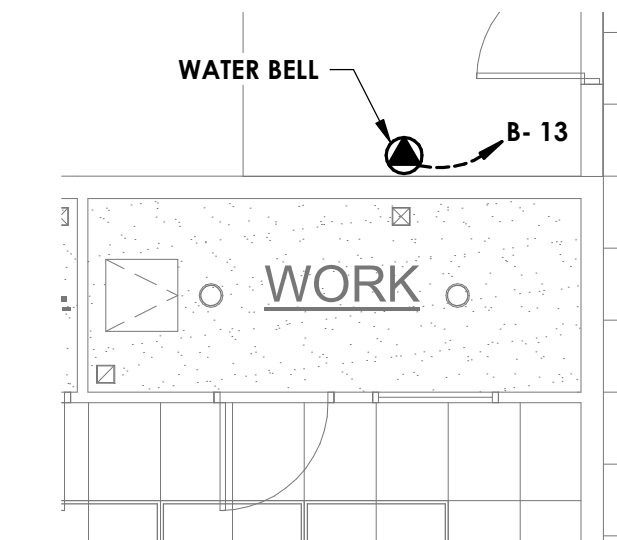
ELECTRICAL SITE PLAN 1
NTS E1.0



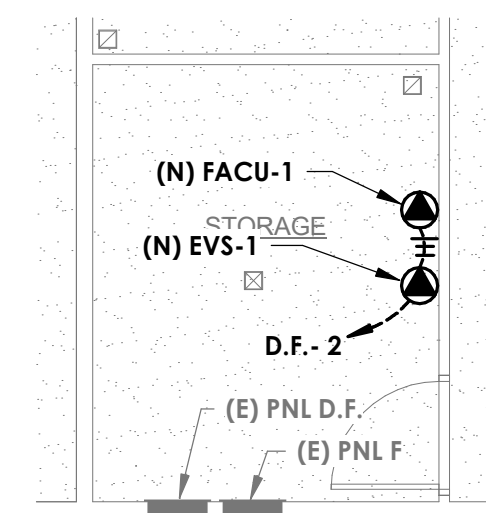
GYM POWER PLAN 2
3/16" = 1'-0" E1.0



MULTI-USE PANTRY POWER PLAN 3
3/16" = 1'-0" E1.0



MULTI-USE WORK RM POWER PLAN 4
3/16" = 1'-0" E1.0



CLASSROOM WING POWER PLAN 5
3/16" = 1'-0" E1.0

AGENCY STAMP



SEMINGTON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER



REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

FOR DSA APPROVAL

JOB No.: 25241

DATE: 3/4/26

SHEET No.:

E1.0

ELECTRICAL PLANS



C:\Users\eytibe\Desktop\Revit\Local Files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L26.rvt 3/3/2026 10:32:04 AM

FIRE ALARM SPECIFICATIONS

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
 - A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
- 1.2 DEFINITIONS
 - A. EMT: ELECTRICAL METALLIC TUBING.
 - B. FACP: FIRE ALARM CONTROL PANEL (MASTER CONSOLE TO FACU'S).
 - C. FACU: FIRE ALARM CONTROL UNIT (SLAVE TO FACP).
 - D. NICET: NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES.
 - E. RCU: REMOTE COMMAND UNIT, REMOTE ANNUNCIATOR
- 1.3 ACTION SUBMITTALS
 - A. THE FIRE ALARM SYSTEM SHALL BE FUNCTION IN FULL COMPLIANCE WITH 2025 CALIFORNIA FIRE CODE FOR GROUP B OCCUPANCIES. ALL COMPONENTS SHALL BE FURNISHED FOR THE FIRE ALARM SYSTEM WHICH ENABLES SYSTEM-WIDE INTERCOMMUNICATION BETWEEN FIRE ALARM EQUIPMENT, VOICE ANNUNCIATION SELECTABLE BY ZONES, AND SELECTABLE ZONES/DIGITAL MICROPHONE CAPABILITY WHICH SHALL BE INSTALLED AT THE FIRE ALARM ANNUNCIATOR. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS RECOMMENDED BY SILENT KNIGHT NOT SHOWN ON PLANS FOR COMPLETE SYSTEM INSTALLATION (DIGITAL VOICE CARDS, CABINET BRACKETS, ETC.). NO ALLOWANCES SHALL BE MADE FOR MISSED COMPONENTS THAT WOULD NORMALLY BE RECOMMENDED BY THE MANUFACTURER TO PRODUCE A FULLY FUNCTIONAL SYSTEM.
 1. PRODUCT DATA: FOR EACH TYPE OF PRODUCT, INCLUDE FURNISHED OPTIONS AND ACCESSORIES.
 - a. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS, PROFILES, AND FINISHES.
 - b. INCLUDE RATED CAPACITIES, OPERATING CHARACTERISTICS, AND ELECTRICAL CHARACTERISTICS.
- 1.4 CLOSEOUT SUBMITTALS
 - A. OPERATION AND MAINTENANCE DATA: FOR FIRE-ALARM SYSTEMS AND COMPONENTS TO INCLUDE IN EMERGENCY, OPERATION, AND MAINTENANCE MANUALS.
 1. COMPLY WITH THE "RECORDS" SECTION OF THE "INSPECTION, TESTING AND MAINTENANCE" CHAPTER IN NFPA 72.
 2. PROVIDE "FIRE ALARM AND EMERGENCY COMMUNICATIONS SYSTEM RECORD OF COMPLETION DOCUMENTS" ACCORDING TO THE "COMPLETION DOCUMENTS" ARTICLE IN THE "DOCUMENTATION" SECTION OF THE "FUNDAMENTALS" CHAPTER IN NFPA 72.
 3. COMPLETE WIRING DIAGRAMS SHOWING CONNECTIONS BETWEEN ALL DEVICES AND EQUIPMENT. EACH CONDUCTOR SHALL BE NUMBERED AT EVERY JUNCTION POINT WITH INDICATION OF ORIGINATION AND TERMINATION POINTS.
 4. PROVIDE "INSPECTION AND TESTING FORM" ACCORDING TO THE "INSPECTION, TESTING AND MAINTENANCE" CHAPTER IN NFPA 72, AND INCLUDE THE FOLLOWING:
 - a. EQUIPMENT TESTED.
 - b. FREQUENCY OF TESTING OF INSTALLED COMPONENTS.
 - c. FREQUENCY OF INSPECTION OF INSTALLED COMPONENTS.
 - d. REQUIREMENTS AND RECOMMENDATIONS RELATED TO RESULTS OF MAINTENANCE.
 - e. MANUFACTURER'S USER TRAINING MANUALS.
 - f. MANUFACTURER'S REQUIRED MAINTENANCE RELATED TO SYSTEM WARRANTY REQUIREMENTS.
 - B. ABBREVIATED OPERATING INSTRUCTIONS FOR MOUNTING AT FIRE-ALARM CONTROL UNIT AND EACH ANNUNCIATOR UNIT.
 - B. SOFTWARE AND FIRMWARE OPERATIONAL DOCUMENTATION:
 1. SOFTWARE OPERATING AND UPGRADE MANUALS.
 2. PROGRAM SOFTWARE BACKUP: ON MAGNETIC MEDIA OR COMPACT DISK, COMPLETE WITH DATA FILES.
 3. DEVICE ADDRESS LIST.
 4. PRINTOUT OF SOFTWARE APPLICATION AND GRAPHIC SCREENS.
- 1.5 QUALITY ASSURANCE
 - A. INSTALLER QUALIFICATIONS: PERSONNEL SHALL BE TRAINED AND CERTIFIED BY MANUFACTURER FOR INSTALLATION OF UNITS REQUIRED FOR THIS PROJECT. INSTALLER'S PERMANENT PLACE OF BUSINESS AND BASE OF OPERATIONS SHALL BE WITHIN 80 MILES OF THE PROJECT SITE TO ENSURE QUALITY OF INSTALLATION AND CONTINUED SERVICE OF THE SYSTEM.
 - B. NFPA CERTIFICATION: OBTAIN CERTIFICATION ACCORDING TO NFPA 72 BY A UL-LISTED ALARM COMPANY.
- 1.6 PROJECT CONDITIONS
 - A. PERFORM A FULL TEST OF THE EXISTING SYSTEM PRIOR TO STARTING WORK. DOCUMENT ANY EQUIPMENT OR COMPONENTS NOT FUNCTIONING AS DESIGNED.
- 1.7 WARRANTY
 - A. SPECIAL WARRANTY: MANUFACTURER AGREES TO REPAIR OR REPLACE FIRE-ALARM SYSTEM EQUIPMENT AND COMPONENTS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
 1. WARRANTY EXTENT: ALL EQUIPMENT AND COMPONENTS NOT COVERED IN THE MAINTENANCE SERVICE AGREEMENT.
 2. WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
- 1.7 FIRE RATED PENETRATIONS
 - A. STEEL ELECTRICAL BOXES SHALL NOT EXCEED 16 SQUARE INCHES IN AREA, AND SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA. OUTLET BOXES ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES. MEMBRANE PENETRATIONS FOR ELECTRICAL OUTLET BOXES OF ANY MATERIAL ARE PERMITTED, PROVIDED THAT SUCH BOXES ARE TESTED FOR USE IN FIRE RESISTIVE ASSEMBLIES AND INSTALLED IN ACCORDANCE WITH THE TESTED ASSEMBLY. NOTE: SEPARATION OF BOXES BY A STUD DOES NOT SATISFY THE 24 INCH SPACE REQUIREMENT. BOXES EXCEEDING 16 SQUARE INCHES MUST BE PROTECTED USING PUTTY PADS. SEE ELECTRICAL DETAILS SHEET FOR FURTHER INFORMATION. SEE ARCHITECTURAL SHEETS FOR FIRE RATED WALL LOCATIONS.

PART 2 - PRODUCTS

- 2.1 SYSTEM DESCRIPTION
 - A. SOURCE LIMITATIONS FOR FIRE-ALARM SYSTEM AND COMPONENTS: COMPONENTS SHALL BE COMPATIBLE WITH, AND OPERATE AS AN EXTENSION OF, EXISTING SYSTEM. PROVIDE SYSTEM MANUFACTURER'S CERTIFICATION THAT ALL COMPONENTS PROVIDED HAVE BEEN TESTED AS, AND WILL OPERATE AS, A SYSTEM.
 - B. NONCODED, UL-CERTIFIED ADDRESSABLE SYSTEM, WITH MULTIPLEXED SIGNAL TRANSMISSION AND VOICE/STROBE EVACUATION.
 - C. AUTOMATIC SENSITIVITY CONTROL OF CERTAIN SMOKE DETECTORS.
 - D. ALL COMPONENTS PROVIDED SHALL BE LISTED FOR USE WITH THE SELECTED SYSTEM.
 - E. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
- 2.2 PERFORMANCE REQUIREMENTS
 - A. SEISMIC PERFORMANCE: FIRE-ALARM CONTROL UNIT AND RACEWAYS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO ASCE 7.
 1. THE TERM "WITHSTAND" MEANS "THE UNIT WILL REMAIN IN PLACE WITHOUT SEPARATION OF ANY PARTS FROM THE DEVICE WHEN SUBJECTED TO THE SEISMIC FORCES SPECIFIED."
- 2.3 DEVICE GUARDS
 - A. DESCRIPTION: WELDED WIRE MESH OF SIZE AND SHAPE FOR THE SPEAKERS, STROBES AND BEAM DETECTORS WITHIN THE CAFETERIA.
 1. FACTORY FABRICATED AND FURNISHED BY DEVICE MANUFACTURER.
 2. FINISH: PAINT OF COLOR TO MATCH THE PROJECTED DEVICE.
- 2.4 FIRE RATED PENETRATIONS IN HORIZONTAL ASSEMBLIES:
 - A. PENETRATIONS IN HORIZONTAL ASSEMBLIES: PENETRATION FIRESTOPPING SYSTEMS WITH RATINGS DETERMINED PER ASTM E814 OR UL 1479, BASED ON TESTING AT A POSITIVE PRESSURE DIFFERENTIAL OF 0.01-INCH WG.

- B. FIRE RATED PATHWAY DESIGNED TO ALLOW CABLES TO PENETRATE FIRE RATED WALLS AND FLOORS WITHOUT THE NEED FOR FIRESTOPPING. BUILT IN FIRE AND SMOKE SEALING SYSTEM THAT AUTOMATICALLY ADJUSTS TO THE AMOUNT OF CABLES INSTALLED. SYSTEM ALLOWS FOR CABLES TO BE EASILY ADDED OR REMOVED AT ANY TIME WITHOUT THE NEED TO REMOVE OR REINSTALL FIRESTOPPING MATERIALS.
 1. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 - a. FIRESTOP, EZ PATH 22+
 - b. STI FIRESTOP, EZ PATH, 44+
 2. PERFORMANCE: UL TESTED AND CLASSIFIED IN ACCORDANCE WITH ASTM E814 (UL1479) & CAN/ULC-S115. SYSTEMS ARE AVAILABLE FOR COMMON FLOOR AND WALL CONSTRUCTIONS WITH RATINGS UP TO AND INCLUDING 4 HOURS.
- 2.5 PENETRATIONS IN HORIZONTAL ASSEMBLIES (NON-FIRE RATED) BY FREE AIR CABLING:
 - A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 1. STI FIRESTOP, SERIES NE22.
 2. FIRESTOP, SERIES NE24.
 - B. DESCRIPTION: DESIGNED TO ALLOW CABLES TO PENETRATE NON-RATED WALLS AND FLOORS WITHOUT THE NEED FOR SMOKE SEALING. FEATURES A BUILT-IN SMOKE SYSTEM THAT AUTOMATICALLY ADJUSTS TO THE AMOUNT OF CABLES INSTALLED. ONCE INSTALLED IN A BARRIER.

PART 3 - EXECUTION

- 3.1 EXAMINATION
 - A. EXAMINE AREAS AND CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR VENTILATION, TEMPERATURE, HUMIDITY, AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.
 1. VERIFY THAT MANUFACTURER'S WRITTEN INSTRUCTIONS FOR ENVIRONMENTAL CONDITIONS HAVE BEEN PERMANENTLY ESTABLISHED IN SPACES WHERE EQUIPMENT AND WIRING ARE INSTALLED, BEFORE INSTALLATION BEGINS.
 - B. EXAMINE ROUGHING-IN FOR ELECTRICAL CONNECTIONS TO VERIFY ACTUAL LOCATIONS OF CONNECTIONS BEFORE INSTALLATION.
 - C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- 3.2 EQUIPMENT INSTALLATION:
 - A. COMPLY WITH NFPA 72, NFPA 101, AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION FOR INSTALLATION AND TESTING OF FIRE-ALARM EQUIPMENT. INSTALL ALL ELECTRICAL WIRING TO COMPLY WITH REQUIREMENTS IN NFPA 70 INCLUDING, BUT NOT LIMITED TO, ARTICLE 760, "FIRE ALARM SYSTEMS."
 1. DEVICES PLACED IN SERVICE BEFORE ALL OTHER TRADES HAVE COMPLETED CLEANUP SHALL BE REPLACED.
 2. DEVICES INSTALLED BUT NOT YET PLACED IN SERVICE SHALL BE PROTECTED FROM CONSTRUCTION DUST, DEBRIS, DIRT, MOISTURE, AND DAMAGE ACCORDING TO MANUFACTURER'S WRITTEN STORAGE INSTRUCTIONS.
 - B. INSTALL WALL-MOUNTED EQUIPMENT, WITH TOPS OF CABINETS NOT MORE THAN 78 INCHES (1980 MM) ABOVE THE FINISHED FLOOR.
 1. THE CONTRACTOR SHALL MOUNT A MINIMUM 6"H X 6"D X 24" WIDE ENCLOSURE ABOVE THE FIRE ALARM CONTROL PANEL OR FIRE ALARM CONTROL UNITS FOR CONDUIT ENTRY TO AND FROM THE FIRE ALARM CONTROL PANEL. SPLICES SHALL NOT BE MADE WITHIN THE FIRE ALARM CONTROL PANEL/JUNITS. COORDINATE SATISFACTORY INSTALLATION WITH THE FIRE ALARM CONTRACTOR. WHERE ABLE, THIS ENCLOSURE SHALL BE MOUNTED ABOVE ACCESSIBLE CEILING SPACE, WHERE NO ACCESSIBLE CEILING SPACE EXISTS, MOUNT THE ENCLOSURE ABOVE THE FACP AT A HEIGHT TO BE DETERMINED IN THE FIELD BETWEEN CONTRACTING PARTIES.
 - C. MANUAL FIRE-ALARM BOXES:
 1. INSTALL MANUAL FIRE-ALARM BOX IN THE NORMAL PATH OF EGRESS WITHIN 60 INCHES (1520 MM) OF THE EXIT DOORWAY.
 2. MOUNT MANUAL FIRE-ALARM BOX ON A BACKGROUND OF A CONTRASTING COLOR.
 3. THE OPERABLE PART OF MANUAL FIRE-ALARM BOX SHALL BE BETWEEN 42 INCHES (1036 MM) AND 48 INCHES (1220 MM) ABOVE FLOOR LEVEL. ALL DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT UNLESS OTHERWISE INDICATED.
 - E. SMOKE- OR HEAT-DETECTOR SPACING:
 1. COMPLY WITH THE "SMOKE-SENSING FIRE DETECTORS" SECTION IN THE "INITIATING DEVICES" CHAPTER IN NFPA 72, FOR SMOKE-DETECTOR SPACING.
 2. COMPLY WITH THE "HEAT-SENSING FIRE DETECTORS" SECTION IN THE "INITIATING DEVICES" CHAPTER IN NFPA 72, FOR HEAT-DETECTOR SPACING.
 3. HVAC: LOCATE DETECTORS NOT CLOSER THAN 60 INCHES (1520 MM) FROM AIR-SUPPLY DIFFUSER OR RETURN-AIR OPENING.
 4. LIGHTING FIXTURES: LOCATE DETECTORS NOT CLOSER THAN 12 INCHES (300 MM) FROM ANY PART OF A LIGHTING FIXTURE AND NOT DIRECTLY ABOVE PENDANT MOUNTED OR INDIRECT LIGHTING.
 - F. INSTALL A COVER ON EACH SMOKE DETECTOR THAT IS NOT PLACED IN SERVICE DURING CONSTRUCTION. COVER SHALL REMAIN IN PLACE EXCEPT DURING SYSTEM TESTING. REMOVE COVER PRIOR TO SYSTEM TURNOVER.
 - G. DUCT SMOKE DETECTORS: COMPLY WITH NFPA 72 AND NFPA 90A. INSTALL SAMPLING TUBES SO THEY EXTEND THE FULL WIDTH OF DUCT. TUBES MORE THAN 36 INCHES (9100 MM) LONG SHALL BE SUPPORTED AT BOTH ENDS.
 1. DO NOT INSTALL SMOKE DETECTOR IN DUCT SMOKE-DETECTOR HOUSING DURING CONSTRUCTION. INSTALL DETECTOR ONLY DURING SYSTEM TESTING AND PRIOR TO SYSTEM TURNOVER.
 - H. COORDINATE "AUDIBLE ALARM-INDICATING DEVICES" PARAGRAPH BELOW WITH DRAWINGS.
 - I. AUDIBLE ALARM-INDICATING DEVICES: INSTALL NOT LESS THAN 6 INCHES (150 MM) BELOW THE CEILING.
 - J. VISIBLE ALARM-INDICATING DEVICES: INSTALL ADJACENT TO EACH ALARM BELL OR ALARM HORN AND AT LEAST 6 INCHES (150 MM) BELOW THE CEILING.
 - K. DEVICE LOCATION-INDICATING LIGHTS: LOCATE IN PUBLIC SPACE NEAR THE DEVICE THEY MONITOR.
 - L. COORDINATE "ANTENNA FOR RADIO ALARM TRANSMITTER" PARAGRAPH BELOW WITH DRAWINGS. WIND SPEED IS USUALLY A REQUIREMENT OF THE APPLICABLE BUILDING CODE.
- 3.3 PATHWAYS
 - A. PATHWAYS ABOVE RECESSED CEILING AND IN NON-ACCESSIBLE LOCATIONS MAY BE ROUTED EXPOSED.
 1. EXPOSED PATHWAYS SHALL BE ROUTED IN EMT.
 2. EXPOSED PATHWAYS VISIBLE TO THE GENERAL PUBLIC AND STUDENTS SHALL BE ROUTED IN WIREMOLD. IDENTIFY AND COORDINATE THESE LOCATIONS WITH THE DISTRICT/ARCHITECT.
 3. PENETRATIONS THROUGH WALLS BY FREE AIR CABLING SHALL EMPLOY A SMOKE AND ACOUSTICAL PATHWAY OR A FIRE RATED PATHWAY.
- 3.5 FIRE RATED PENETRATIONS IN HORIZONTAL ASSEMBLIES:
 - A. ALL DATA, VIDEO, AND COMMUNICATIONS CABLE BUNDLES SHALL UTILIZE AN ENCLOSED FIRE RATED PATHWAY DEVICE WHEREVER SAID CABLES PENETRATE FIRE RATED WALLS AND FLOORS. THE FIRE-RATED PATHWAY SHALL CONTAIN A BUILT-IN FIRE SEALING SYSTEM SUFFICIENT TO MAINTAIN THE HOURLY FIRE RATING OF THE BARRIER BEING PENETRATED. THE SELF-CONTAINED SEALING SYSTEM SHALL AUTOMATICALLY ADJUST TO THE INSTALLED CABLE LOADING AND SHALL PERMIT CABLES TO BE INSTALLED, REMOVED, OR RETROFITTED WITHOUT THE NEED TO REMOVE OR REINSTALL FIRESTOP MATERIALS. THE PATHWAY SHALL BE UL CLASSIFIED AND/OR FM SYSTEMS APPROVED AND TESTED TO THE REQUIREMENTS OF ASTM E814 (UL1479) & CAN/ULC-S115.
- 3.6 PENETRATIONS IN HORIZONTAL ASSEMBLIES (NON-FIRE RATED) BY FREE AIR CABLING:
 - A. ALL FREE AIR FIRE ALARM CABLE SHALL UTILIZE AN ENCLOSED SMOKE AND ACOUSTICAL PATHWAY DEVICE WHEREVER CABLES PENETRATE A NON-FIRE-RATED WALL OR FLOOR. THE PATHWAY SHALL PROVIDE AN ACHIEVABLE STC RATING OF GREATER THAN OR EQUAL TO THE STC RATING OF THE SPECIFIC UNDERLYING CONSTRUCTION PER ASTM E90-04/ASTM C919.

- 3.5 IDENTIFICATION
 - A. INSTALL FRAMED INSTRUCTIONS IN A LOCATION VISIBLE FROM FIRE-ALARM CONTROL UNIT.
- 3.6 GROUNDING
 - A. GROUND FIRE-ALARM CONTROL UNIT AND ASSOCIATED CIRCUITS; COMPLY WITH IEEE 1100. INSTALL A GROUND WIRE FROM MAIN SERVICE GROUND TO FIRE-ALARM CONTROL UNIT.
 - B. GROUND SHIELDED CABLES AT THE CONTROL PANEL LOCATION ONLY. INSULATE SHIELD AT DEVICE LOCATION.
- 3.7 FIELD QUALITY CONTROL
 - A. FIELD TESTS SHALL BE WITNESSED BY AUTHORITIES HAVING JURISDICTION.
 - B. PERFORM THE FOLLOWING TESTS AND INSPECTIONS:
 1. VISUAL INSPECTION: CONDUCT VISUAL INSPECTION PRIOR TO TESTING.
 - a. INSPECTION SHALL BE BASED ON COMPLETED RECORD DRAWINGS AND SYSTEM DOCUMENTATION THAT IS REQUIRED BY THE "COMPLETION DOCUMENTS, PREPARATION" TABLE IN THE "DOCUMENTATION" SECTION OF THE "FUNDAMENTALS" CHAPTER IN NFPA 72.
 - b. COMPLY WITH THE "VISUAL INSPECTION FREQUENCIES" TABLE IN THE "INSPECTION" SECTION OF THE "INSPECTION, TESTING AND MAINTENANCE" CHAPTER IN NFPA 72; RETAIN THE "INITIAL/REACCEPTANCE" COLUMN AND LIST ONLY THE INSTALLED COMPONENTS.
 2. SYSTEM TESTING: COMPLY WITH THE "TEST METHODS" TABLE IN THE "TESTING" SECTION OF THE "INSPECTION, TESTING AND MAINTENANCE" CHAPTER IN NFPA 72.
 3. TEST AUDIBLE APPLIANCES FOR THE PUBLIC OPERATING MODE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. PERFORM THE TEST USING A PORTABLE SOUND-LEVEL METER COMPLYING WITH TYPE 2 REQUIREMENTS IN ANSI S1.4.
 4. TEST AUDIBLE APPLIANCES FOR THE PRIVATE OPERATING MODE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
 5. TEST VISIBLE APPLIANCES FOR THE PUBLIC OPERATING MODE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
 6. FIRE-ALARM SYSTEM WILL BE CONSIDERED DEFECTIVE IF IT DOES NOT PASS TESTS AND INSPECTIONS.
 7. PREPARE TEST AND INSPECTION REPORTS.
- 3.8 DEMONSTRATION
 - A. TRAIN OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE, AND MAINTAIN FIRE-ALARM SYSTEM.

AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER



| REVISIONS: | | | |
|------------|---|---|---|
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |

FOR DSA APPROVAL

JOB No.: 25241
DATE: 3/4/26
SHEET No.:

FA0.0

FIRE ALARM SPECIFICATIONS



FIRE ALARM MONITORING NOTE

ALL AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. THE SUPERVISING STATION SHALL BE LISTED IN CATEGORIES UJFX OR UJUS BY UNDERWRITERS LABORATORIES, OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. A STATEMENT THAT SUPERVISION WILL BE PROVIDED, AND SHALL BE VERIFIED BY THE PROJECT INSPECTOR PRIOR TO CLOSE OUT, IS REQUIRED ON PLANS SUBMITTED TO DSA.

FIRE ALARM SYSTEM NOTES

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT IF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCURRIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL" - CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.8.2
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE. INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

VOICE INTELLIGIBILITY NOTES

1. NFPA 72 (2025) SEC. 18.4.10 VOICE INTELLIGIBILITY. WITHIN THE ACOUSTICALLY DISTINGUISHABLE SPACES (ADS) WHERE VOICE INTELLIGIBILITY IS REQUIRED, VOICE COMMUNICATIONS SYSTEMS SHALL REPRODUCE PRERECORDED, SYNTHESIZED, OR LIVE MESSAGES WITH VOICE INTELLIGIBILITY.
2. NFPA 72 (2025) SEC. 24.3.2.1 ALL USERS OF SYSTEMS THAT HAVE MICROPHONES FOR LIVE VOICE ANNOUNCEMENTS SHALL BE PROVIDED WITH POSTED INSTRUCTIONS FOR USING THE MICROPHONE.
3. NFPA 72 (2025) SEC. 7.7.2.1 WITH EVERY NEW SYSTEM, A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES.
4. NFPA 72 (2025) SEC. 7.7.2.2 ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET.
5. NFPA 72 (2025) SEC. 7.7.2.4 THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS."
6. NFPA 72 (2025) SEC. 7.5.6.2 A RECORD OF COMPLETION DOCUMENTATION (FIGURE 7.2(A)) SHALL BE COMPLETED BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE ENFORCING AUTHORITY (DSA/PROJECT INSPECTOR) AND THE OWNER (SCHOOL DISTRICT) AT THE CONCLUSION OF THE JOB. WHEN MORE THAN ONE CONTRACTOR HAS BEEN RESPONSIBLE FOR THE INSTALLATION, EACH CONTRACTOR SHALL COMPLETE THE PORTIONS OF THE DOCUMENTATION FOR WHICH THAT CONTRACTOR HAS RESPONSIBILITY.
7. PROJECT INSPECTOR SHALL FIELD VERIFY THE CORRECT CANDELA SETTINGS ON STROBES DUE TO FIELD ADJUSTABILITY.

FIRE ALARM RECORDS CABINET

1. EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
2. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".
3. ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
4. CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
5. WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
6. SYSTEM DOCUMENTS AS APPLICABLE:
7. RECORD DRAWINGS/ASBUILTS.
8. EQUIPMENT CUT SHEETS AND CA CSFM LISTING.
9. ALTERNATIVE MEANS AND METHODS.
10. PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
11. SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
12. EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8).
13. EVALUATION DOCUMENTATION (NFPA 72, 7.3.9).
14. RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
15. SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

FIRE ALARM ABBREVIATIONS

| | |
|--------------|--|
| A | - AMMETER, AMPERE |
| AC | - ALTERNATING CURRENT |
| AFF | - ABOVE FINISHED FLOOR OR GRADE |
| ATS | - AUTOMATIC TRANSFER SWITCH |
| BRKR | - BREAKER |
| BOD | - BOTTOM OF DEVICE |
| C or COND | - CONDUIT |
| CBC | - CALIFORNIA BUILDING CODE |
| CKT | - CIRCUIT |
| COD | - CENTER OF DEVICE |
| CEC | - CALIFORNIA ELECTRIC CODE |
| CFC | - CALIFORNIA FIRE CODE |
| DC | - DIRECT CURRENT |
| (D) or DEMO | - DEMOLITION |
| (E) or EXIST | - EXISTING |
| ENC | - ENCLOSURE |
| EOL | - END OF LINE |
| EVAC | - EMERGENCY VOICE ALARM COMMUNICATION |
| EVACS | - EMERGENCY VOICE ALARM COMMUNICATION SYSTEM |
| (F) | - FUTURE |
| FACP | - MASTER FIRE ALARM CONTROL PANEL |
| FACU | - FIRE ALARM CONTROL UNIT/PANEL |
| FATC | - FIRE ALARM TERMINAL CABINET |
| G | - GROUND |
| J | - JUNCTION BOX |
| MFR | - MANUFACTURER |
| (N) | - NEW |
| NAC | - NOTIFICATION APPLIANCE CIRCUIT |
| NEC | - NATIONAL ELECTRIC CODE |
| NEMA | - NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION |
| NFPA | - NATIONAL FIRE PROTECTION ASSOCIATION |
| OFCI | - OWNER FURNISHED, CONTRACTOR INSTALLED |
| OFOI | - OWNER FURNISHED, OWNER INSTALLED |
| PB | - PULLBOX |
| PNL | - PANELBOARD |
| RPS | - REMOTE POWER SUPPLY |
| SLC | - SIGNAL LINE CIRCUIT |
| SPD | - SURGE PROTECTION DEVICE/ARRESTOR |
| T | - TERMINAL |
| TOD | - TOP OF DEVICE |
| TS | - TAMPER SWITCH |
| TYP | - TYPICAL |
| V | - VOLTMETER, VOLT |
| VA | - VOLT AMP |
| W | - WAIT |
| WB | - WATER BELL |
| WP | - WEATHERPROOF (NEMA 3R) |
| XFMR | - TRANSFORMER |

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

FIRE ALARM SYMBOLS AND NOTES

| EQUIPMENT | DESCRIPTION |
|---|--|
| FACP | - FIRE ALARM CONTROL PANEL |
| RPS | - REMOTE POWER SUPPLY |
| EVAC | - EMERGENCY VOICE CONTROL UNIT |
| FACU | - FIRE ALARM CONTROL UNIT (TYP., RPS/AMP IN ONE CABINET OR A SLAVE FACP) |
| FATC | - FIRE ALARM TERMINAL CABINET |
| SIGNAL LINE DEVICES | DESCRIPTION |
| S | - SMOKE DETECTOR |
| DS | - DUCT SMOKE DETECTOR |
| BT | - BEAM TRANSMITTER |
| BR | - BEAM REFLECTOR/RECEIVER |
| H | - HIGH HEAT DETECTOR |
| R | - RATE OF RISE DETECTOR |
| F | - FIXED TEMPERATURE DETECTOR |
| DT | - DUAL TECHNOLOGY SMOKE/HEAT DETECTOR |
| CO | - CARBON MONOXIDE DETECTOR |
| FCO | - FIRE/CARBON MONOXIDE DETECTOR |
| P | - PULL STATION |
| SIGNAL LINE MODULES | DESCRIPTION |
| MM | - MINI MONITOR MODULE |
| CM | - CONTROL MODULE |
| M | - MONITOR MODULE |
| MS | - MODULE WITH SUPERVISORY INPUT |
| 2MS | - MODULE WITH TWO SUPERVISORY INPUTS |
| R | - RELAY WITH CONTACTORS |
| IM | - ISOLATION MODULE |
| FIRE-ALARM ACCESSORIES | DESCRIPTION |
| RTS | - REMOTE TEST SWITCH |
| LINEAR HEAT DETECTOR | - LINEAR HEAT DETECTOR |
| TERMINAL SPLICE BOX (TERMINAL BOX MOUNTED IN J-BOX OR ENCLOSURE) | - TERMINAL SPLICE BOX (TERMINAL BOX MOUNTED IN J-BOX OR ENCLOSURE) |
| END OF LINE RESISTOR | - END OF LINE RESISTOR |
| WATER BELL | - WATER BELL |
| WATER FLOW SENSOR | - WATER FLOW SENSOR |
| TAMPER SWITCH | - TAMPER SWITCH |
| SURGE PROTECTION DEVICE | - SURGE PROTECTION DEVICE |
| JUNCTION BOX | - JUNCTION BOX |
| NOTIFICATION APPLIANCES | DESCRIPTION |
| HORN | - HORN |
| HORN STROBE | - HORN STROBE |
| STANDARD SPEAKER | - STANDARD SPEAKER |
| LOUD SPEAKER | - LOUD SPEAKER |
| SPEAKER STROBE | - SPEAKER STROBE |
| STROBE | - STROBE |
| RACEWAY AND CABLING | DESCRIPTION |
| SLC LOOP CONDUCTORS: #16 FPLR, SOLID TWISTED PAIR UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4". | - SLC LOOP CONDUCTORS: #16 FPLR, SOLID TWISTED PAIR UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4". |
| NAC CONDUCTORS: #14 SOLID PAIR, UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4". | - NAC CONDUCTORS: #14 SOLID PAIR, UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4". |
| SPEAKER CONDUCTOR: #14 TWISTED SHIELDED PAIR, UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4". | - SPEAKER CONDUCTOR: #14 TWISTED SHIELDED PAIR, UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4". |
| COMMUNICATION BUS CONDUCTORS: #14 TWISTED SHIELDED PAIR, CONDUIT SIZED PER PLANS. | - COMMUNICATION BUS CONDUCTORS: #14 TWISTED SHIELDED PAIR, CONDUIT SIZED PER PLANS. |
| SYMBOL ATTRIBUTES | NOTIFICATION SYMBOL ATTRIBUTES: |
| | NOTIFICATION APPLIANCE CIRCUIT # |
| | NOTIFICATION APPLIANCE CIRCUIT DEVICE NUMBER, TYP. |
| | CANDELA SETTING (IF APPLICABLE) |
| | DEVICE WATTAGE SETTING |
| | WEATHER PROOF IDENTIFIER (IF APPLICABLE) |
| SIGNAL LINE SYMBOL ATTRIBUTES: | |
| | INITIATION CIRCUIT CARD NUMBER |
| | "D" DENOTES A DEVICE, "M" DENOTES A MODULE |
| | DEVICE ADDRESS |
| ANNOTATION | |
| KEYNOTE | |
| [A : B] | INDICATES INTERCONNECTION OF PATHWAYS OR CONDUCTORS. E.G., 4"C-4# 500.1#3G (MSB : PNL A) INDICATES CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD TO PANELBOARD A |

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

COMPLY WITH APPLICABLE CODES

- | # | CODE |
|----|--|
| 1. | 2025 NFPA 30: FLAMMABLE AND COMBUSTIBLE LIQUIDS. |
| 2. | 2025 NFPA 72: FIRE ALARM AND SIGNALING CODE. |
| 3. | 2025 CALIFORNIA BUILDING CODE. |
| 4. | 2025 CALIFORNIA ELECTRIC CODE. |
| 5. | 2025 CALIFORNIA ENERGY CODE. |
| 6. | 2025 CALIFORNIA FIRE CODE. |

FIRE ALARM SCOPE OF WORK

- | # | CODE |
|----|--|
| 1. | DEMOLISH CAMPUS-WIDE FIRE ALARM SYSTEM IN ITS ENTIRETY. THIS INCLUDES ALL FIRE ALARM EQUIPMENT, INITIATING DEVICES, NOTIFICATION APPLIANCES, CABLING, CONDUIT AND ANY OTHER RELATED MATERIALS. |
| 2. | PROVIDE AND INSTALL COVER PLATES FOR DEMOLISHED DEVICES WHERE LOCATIONS SHALL NOT BE REUSED. MATCH EXISTING COVER PLATE COLORS AND OR MATERIALS WITHIN RESPECTIVE SPACES. |
| 3. | PROVIDE AND INSTALL FIRE ALARM SYSTEM AS SHOWN AND DESCRIBED WITHIN PROJECT DRAWINGS AND SPECIFICATIONS. |

FIRE ALARM SCHEDULE

| MANUFACTURER | MODEL | DESCRIPTION | CSFM# |
|----------------|--------------|---|----------------|
| SILENT KNIGHT | 6820EVS | ADDRESSABLE FIRE ALARM CONTROL PANEL W/ MICROPHONE | 7165-0559:0500 |
| SILENT KNIGHT | 5895XL | REMOTE POWER SUPPLY | 7165-0559:0500 |
| SILENT KNIGHT | EV5-50W | VOICE EVAC AUDIO AMPLIFIER | 7165-0559:0500 |
| SILENT KNIGHT | EV5-100W | VOICE EVAC AUDIO AMPLIFIER | 7165-0559:0500 |
| SILENT KNIGHT | SK-PULL-DA | PULL STATION | 7150-0559:0161 |
| SILENT KNIGHT | SK-PHOTO-W | PHOTOELECTRIC SMOKE DETECTOR | 7272-0559:0512 |
| SILENT KNIGHT | SK-HEAT-W | HEAT DETECTOR 135F FIXED TEMPERATURE | 7272-0559:0511 |
| SYSTEM SENSOR | CO1224 | CARBON MONOXIDE DETECTOR WITH 24 VDC SOUNDER BASE | 5278-1653:0219 |
| SILENT KNIGHT | SK-DUCT-W | DUCT SMOKE DETECTOR | 3242-0559:0518 |
| SILENT KNIGHT | SK-FIRE-CO-W | SMOKE AND CARBON MONOXIDE DETECTOR WITH 24 VDC SOUNDER BASE | 7272-0559:0517 |
| SILENT KNIGHT | OSI-RI-SK | WALL MOUNT BEAM DETECTOR | 7260-0559:0515 |
| SYSTEM SENSOR | RTS-451-KEY | KEY TEST SWITCH | 7300-1653:0212 |
| SILENT KNIGHT | SK-RELAY | RELAY MODULE | 7300-0559:0155 |
| SILENT KNIGHT | SK-MONITOR | MONITOR MODULE - STANDARD SIZE | 7300-0559:0155 |
| WHEELOCK | ELSTR | WALL STROBE | 7135-0785:0504 |
| WHEELOCK | ELSPSTR | WALL SPEAKER STROBE | 7320-0785:0505 |
| WHEELOCK | ELSPSTRC | CEILING STROBE | 7320-0785:0505 |
| WHEELOCK | EL3RSPK-NR | WP SPEAKER | 7320-0785:0167 |
| EDWARDS SIGNAL | 5553-25/70-R | WP LOUDSPEAKER | 7320-1657:0243 |

DSA ANCHORAGE AND BRACING NOTE

APPLICABLE CODE : 2025 CBC

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220-VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT THAT IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, THAT ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2025 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP □ MD □ PP □ E ■ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP □ MD □ PP □ E □ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____

AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER



| REVISIONS: | | | |
|------------|---|---|---|
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |

FOR DSA APPROVAL

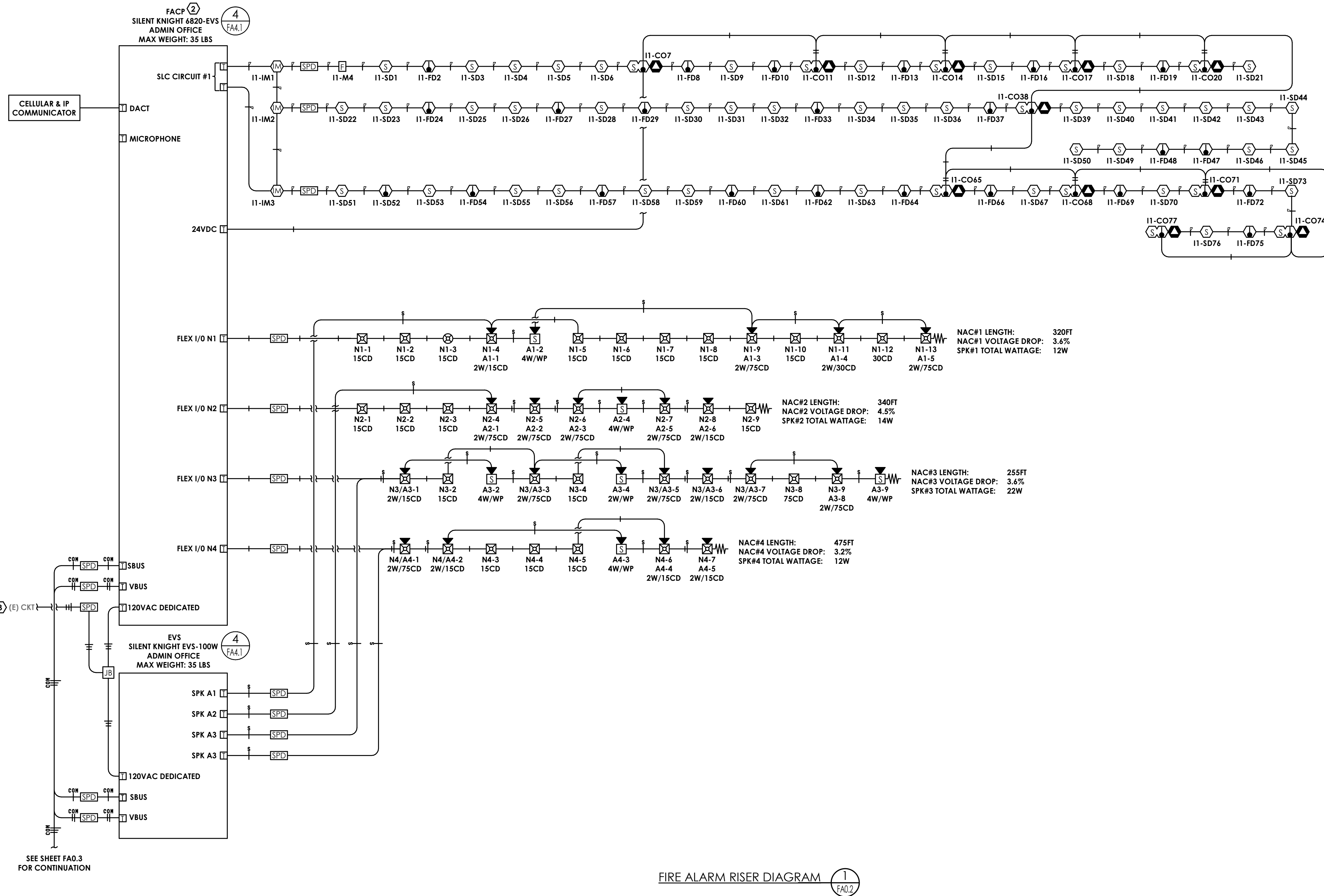
JOB No.: 25241
DATE: 3/4/26
SHEET No.:

FA0.1

FIRE ALARM SCHEDULES



© Semington Architecture & Engineering, Inc. All rights reserved. Semington Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



FIRE ALARM RISER DIAGRAM 1 FA0.2

KEYNOTES

NOTE

1. PROVIDE AND INSTALL MECHANICALLY PROTECTED CIRCUIT BREAKER WITH RED MARKING PER NFPA 72, 10.6.5.2. FIRE ALARM CIRCUIT SHALL BE DEDICATED, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND LOCATION SHALL BE IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
2. DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANEL. PROVIDE AND INSTALL NEW FIRE ALARM CONTROL PANEL SHOWN AND RECONNECT AS EXISTING.
3. REUSE EXISTING FIRE ALARM BRANCH CIRCUIT BREAKER FOR NEW FIRE ALARM CONTROL PANEL. VERIFY BREAKER IS PROVIDED WITH A LISTED LOCK-ON DEVICE AND IDENTIFIED IN RED PER NFPA 72. NOTIFY EFOR IF NONCOMPLIANT.

GENERAL NOTES

NOTE

1. IF MULTIPLE NOTIFICATION APPLIANCE CIRCUITS ARE PROVIDED WITHIN A SINGLE EVACUATION SIGNALING ZONE, ALL OF THE NOTIFICATION APPLIANCES WITHIN THE ZONE SHALL BE ARRANGED TO ACTIVATE OR DEACTIVATE SIMULTANEOUSLY, EITHER AUTOMATICALLY OR BY ACTUATION OF COMMON MANUAL CONTROL.
2. NFPA 72 (2025) SEC. 18.4.10 VOICE INTELLIGIBILITY. WITHIN THE ACOUSTICALLY DISTINGUISHABLE SPACES (ADS) WHERE VOICE INTELLIGIBILITY IS REQUIRED, VOICE COMMUNICATIONS SYSTEMS SHALL REPRODUCE PRERECORDED, SYNTHESIZED, OR LIVE MESSAGES WITH VOICE INTELLIGIBILITY.
3. NFPA 72 (2025) SEC. 24.3.2.1 ALL USERS OF SYSTEMS THAT HAVE MICROPHONES FOR LIVE VOICE ANNOUNCEMENTS SHALL BE PROVIDED WITH POSTED INSTRUCTIONS FOR USING THE MICROPHONE.
4. NFPA 72 (2025) SEC. 7.7.2.1 WITH EVERY NEW SYSTEM, A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES.
5. NFPA 72 (2025) SEC. 7.7.2.3 ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET.
6. NFPA 72 (2025) SEC. 7.7.2.5 THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS."
7. NFPA 72 (2025) SEC. 7.5.6.2 A RECORD OF COMPLETION DOCUMENTATION (FIGURE 7.2(A)) SHALL BE COMPLETED BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE ENFORCING AUTHORITY (DSA/PROJECT INSPECTOR) AND THE OWNER (SCHOOL DISTRICT) AT THE CONCLUSION OF THE JOB. WHEN MORE THAN ONE CONTRACTOR HAS BEEN RESPONSIBLE FOR THE INSTALLATION, EACH CONTRACTOR SHALL COMPLETE THE PORTIONS OF THE DOCUMENTATION FOR WHICH THAT CONTRACTOR HAS RESPONSIBILITY.
8. PROJECT INSPECTOR SHALL FIELD VERIFY THE CORRECT CANDELA SETTINGS ON STROBES DUE TO FIELD ADJUSTABILITY.
9. SPEAKER WATTAGES ARE REFLECTED ON THE VOLTAGE DROP CALCULATION CHART. FIELD ADJUST SPEAKERS SETTINGS WITH SOUND METER TO 15dBA OVER AVERAGE AMBIENT NOISE LEVELS, ACCOUNTING FOR A LOSS OF 6dB EVERY 10'-0" FROM SOURCE.

AGENCY STAMP



SEMINGTON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER

REVISIONS:

| | | | |
|---|---|---|---|
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |

FOR DSA APPROVAL

JOB No.: 25241
DATE: 3/4/26
SHEET No.:
FA0.2
FIRE ALARM RISER DIAGRAM



C:\Users\eytbe\Desktop\Revit\local files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L26.rvt 3/3/2026 10:32:05 AM

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

KEYNOTES

NOTE

1. PROVIDE AND INSTALL MECHANICALLY PROTECTED CIRCUIT BREAKER WITH RED MARKING PER NFPA 72, 10.6.5.2. FIRE ALARM CIRCUIT SHALL BE DEDICATED, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND LOCATION SHALL BE IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

GENERAL NOTES

NOTE

1. IF MULTIPLE NOTIFICATION APPLIANCE CIRCUITS ARE PROVIDED WITHIN A SINGLE EVACUATION SIGNALING ZONE, ALL OF THE NOTIFICATION APPLIANCES WITHIN THE ZONE SHALL BE ARRANGED TO ACTIVATE OR DEACTIVATE SIMULTANEOUSLY, EITHER AUTOMATICALLY OR BY ACTUATION OF COMMON MANUAL CONTROL.
2. NFPA 72 (2025) SEC. 18.4.10 VOICE INTELLIGIBILITY. WITHIN THE ACOUSTICALLY DISTINGUISHABLE SPACES (ADS) WHERE VOICE INTELLIGIBILITY IS REQUIRED, VOICE COMMUNICATIONS SYSTEMS SHALL REPRODUCE PRERECORDED, SYNTHESIZED, OR LIVE MESSAGES WITH VOICE INTELLIGIBILITY.
3. NFPA 72 (2025) SEC. 24.3.2.1 ALL USERS OF SYSTEMS THAT HAVE MICROPHONES FOR LIVE VOICE ANNOUNCEMENTS SHALL BE PROVIDED WITH POSTED INSTRUCTIONS FOR USING THE MICROPHONE.
4. NFPA 72 (2025) SEC. 7.7.2.1 WITH EVERY NEW SYSTEM, A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES.
5. NFPA 72 (2025) SEC. 7.7.2.3 ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET.
6. NFPA 72 (2025) SEC. 7.7.2.5 THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS."
7. NFPA 72 (2025) SEC. 7.5.4.2 A RECORD OF COMPLETION DOCUMENTATION (FIGURE 7.2(A)) SHALL BE COMPLETED BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE ENFORCING AUTHORITY (DSA/PROJECT INSPECTOR) AND THE OWNER (SCHOOL DISTRICT) AT THE CONCLUSION OF THE JOB. WHEN MORE THAN ONE CONTRACTOR HAS BEEN RESPONSIBLE FOR THE INSTALLATION, EACH CONTRACTOR SHALL COMPLETE THE PORTIONS OF THE DOCUMENTATION FOR WHICH THAT CONTRACTOR HAS RESPONSIBILITY.
8. PROJECT INSPECTOR SHALL FIELD VERIFY THE CORRECT CANDELA SETTINGS ON STROBES DUE TO FIELD ADJUSTABILITY.
9. SPEAKER WATTAGES ARE REFLECTED ON THE VOLTAGE DROP CALCULATION CHART. FIELD ADJUST SPEAKERS SETTINGS WITH SOUND METER TO 15dBA OVER AVERAGE AMBIENT NOISE LEVELS, ACCOUNTING FOR A LOSS OF 6dB EVERY 10'-0" FROM SOURCE.

AGENCY STAMP



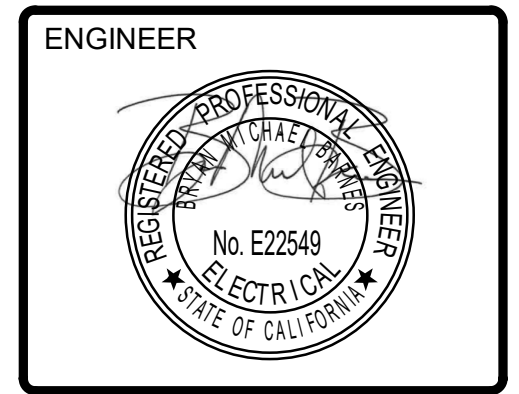
SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT



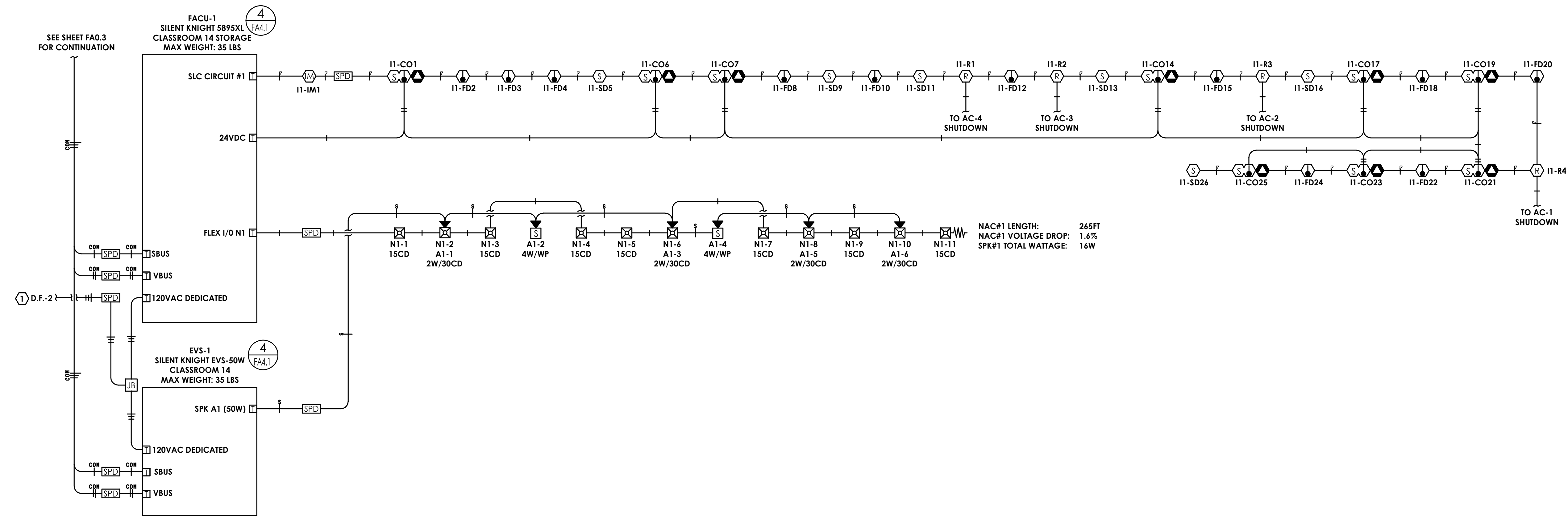
REVISIONS:

| | | |
|---|---|---|
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |

FOR DSA APPROVAL

JOB No.: 25241
DATE: 3/4/26
SHEET No.:

FA0.4
FIRE ALARM RISER DIAGRAM



FIRE ALARM RISER DIAGRAM CONT. 2

C:\Users\eytbe\Desktop\Revit\local files\2260.144\Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L2a.rvt 3/3/2026 10:32:06 AM

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

FIRE ALARM MATRIX

| | SYSTEM INPUTS | SYSTEM OUTPUTS | | | | | | | | | | | | | | | |
|----|---|-------------------|---|---|---|--------------|---|---|---|------------------------------|---|---|---|---|---|---|---|
| | | FACP ANNUNCIATION | | | | NOTIFICATION | | | | REQUIRED FIRE SAFETY CONTROL | | | | | | | |
| | | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | |
| 1 | FIRE ALARM SYSTEM AC POWER FAILURE | | | | X | | | | | | | | | X | | | |
| 2 | FIRE ALARM SYSTEM LOW BATTERY | | | | X | X | | | | | | | | X | | | |
| 3 | OPEN CIRCUIT | | | | X | X | | | | | | | | X | | | |
| 4 | GROUND FAULT | | | | X | X | | | | | | | | X | | | |
| 5 | NOTIFICATION APPLIANCE CIRCUIT SHORT | | | | X | X | | | | | | | | X | | | |
| 6 | BUILDING MANUAL PULL STATIONS | X | X | | | | X | X | X | X | X | X | | | | | |
| 7 | CORRIDOR SMOKE DETECTORS | X | X | | | | X | X | X | X | X | X | | | | | |
| 8 | AREA SMOKE DETECTORS | X | X | | | | X | X | X | X | X | X | | | | | |
| 9 | HVAC AIR DUCT SMOKE DETECTORS | | | X | X | | X | | | | | | X | | X | | |
| 10 | AREA HEAT DETECTORS | X | X | | | | X | X | X | X | X | X | | | | | |
| 11 | HOOD OR ROOM FIRE SUPPRESSION SYSTEM ALARM | X | X | | | | X | X | X | X | X | X | | | | | X |
| 12 | SPRINKLER TAMPER SWITCH | | | X | X | | X | | | | | | X | | | | |
| 13 | SPRINKLER WATER FLOW IN BUILDING | X | X | | | | X | X | X | X | X | X | | | | | |
| 14 | SPRINKLER WATER FLOW IN ELEV EQUIPM RM OR SHAFT | X | X | | | | X | X | X | X | X | X | | | | | |
| 15 | AREA OF REFUGE TWO-WAY COMMUNICATIONS STATUS | | | X | X | | X | | | | | | X | | | | |
| 16 | CARBON MONOXIDE | | | X | X | | | | | | | | | | | X | |

VOLTAGE DROP CALCULATIONS

FACP
 $\%VD = 2 * L * R * I$
 L = ONE WAY CIRCUIT LENGTH
 R = SEGMENT RESISTANCE
 I = CIRCUIT CURRENT
 #14 CONDUCTOR RESISTANCE = 3.19 OHMS/1000 FT

NAC #1
NAC #1 TOTAL CIRCUIT LENGTH = 320 FT
NAC #1 TOTAL VOLTAGE DROP = 3.6 %

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N1-1 | 20 | 15 | 0.03 | 0.59 | 0.0638 | 0.0753 | 0.0753 | 0.369 |
| N1-2 | 30 | 15 | 0.03 | 0.56 | 0.0957 | 0.1072 | 0.1825 | 0.894 |
| N1-3 | 25 | 15 | 0.04 | 0.53 | 0.07975 | 0.0845 | 0.2670 | 1.309 |
| N1-4 | 30 | 15 | 0.03 | 0.49 | 0.0957 | 0.0938 | 0.3608 | 1.769 |
| N1-5 | 25 | 15 | 0.03 | 0.46 | 0.07975 | 0.0734 | 0.4342 | 2.128 |
| N1-6 | 30 | 15 | 0.03 | 0.43 | 0.0957 | 0.0823 | 0.5165 | 2.532 |
| N1-7 | 10 | 15 | 0.03 | 0.4 | 0.0319 | 0.0255 | 0.5420 | 2.657 |
| N1-8 | 20 | 15 | 0.03 | 0.37 | 0.0638 | 0.0472 | 0.5892 | 2.888 |
| N1-9 | 15 | 75 | 0.115 | 0.34 | 0.04785 | 0.0325 | 0.6217 | 3.048 |
| N1-10 | 15 | 15 | 0.03 | 0.225 | 0.04785 | 0.0215 | 0.6433 | 3.153 |
| N1-11 | 40 | 30 | 0.04 | 0.195 | 0.1276 | 0.0498 | 0.6930 | 3.397 |
| N1-12 | 10 | 30 | 0.04 | 0.155 | 0.0319 | 0.0099 | 0.7029 | 3.446 |
| N1-13 | 50 | 75 | 0.115 | 0.115 | 0.1595 | 0.0367 | 0.7396 | 3.625 |

NAC #2
NAC #2 TOTAL CIRCUIT LENGTH = 340 FT
NAC #2 TOTAL VOLTAGE DROP = 4.5 %

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N2-1 | 140 | 15 | 0.03 | 0.61 | 0.4466 | 0.5449 | 0.5449 | 2.671 |
| N2-2 | 15 | 15 | 0.03 | 0.58 | 0.04785 | 0.0555 | 0.6004 | 2.943 |
| N2-3 | 35 | 15 | 0.03 | 0.55 | 0.11165 | 0.1228 | 0.7232 | 3.545 |
| N2-4 | 10 | 75 | 0.115 | 0.52 | 0.0319 | 0.0332 | 0.7563 | 3.708 |
| N2-5 | 30 | 75 | 0.115 | 0.405 | 0.0957 | 0.0775 | 0.8339 | 4.088 |
| N2-6 | 20 | 75 | 0.115 | 0.29 | 0.0638 | 0.0370 | 0.8709 | 4.269 |
| N2-7 | 35 | 75 | 0.115 | 0.175 | 0.11165 | 0.0391 | 0.9099 | 4.461 |
| N2-8 | 30 | 15 | 0.03 | 0.06 | 0.0957 | 0.0115 | 0.9214 | 4.517 |
| N2-9 | 25 | 15 | 0.03 | 0.03 | 0.07975 | 0.0048 | 0.9262 | 4.540 |

NAC #3
NAC #3 TOTAL CIRCUIT LENGTH = 255 FT
NAC #3 TOTAL VOLTAGE DROP = 3.6 %

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N3-1 | 35 | 15 | 0.03 | 0.695 | 0.11165 | 0.1552 | 0.1552 | 0.761 |
| N3-2 | 20 | 15 | 0.03 | 0.665 | 0.0638 | 0.0849 | 0.2400 | 1.177 |
| N3-3 | 50 | 75 | 0.115 | 0.635 | 0.1595 | 0.2026 | 0.4426 | 2.170 |
| N3-4 | 10 | 15 | 0.03 | 0.52 | 0.0319 | 0.0332 | 0.4758 | 2.332 |
| N3-5 | 25 | 75 | 0.115 | 0.49 | 0.07975 | 0.0782 | 0.5539 | 2.715 |
| N3-6 | 30 | 15 | 0.03 | 0.375 | 0.0957 | 0.0718 | 0.6257 | 3.067 |
| N3-7 | 25 | 75 | 0.115 | 0.345 | 0.07975 | 0.0550 | 0.6807 | 3.337 |
| N3-8 | 25 | 75 | 0.115 | 0.23 | 0.07975 | 0.0367 | 0.7174 | 3.517 |
| N3-9 | 35 | 75 | 0.115 | 0.115 | 0.11165 | 0.0257 | 0.7431 | 3.643 |

NAC #4
NAC #4 TOTAL CIRCUIT LENGTH = 475 FT
NAC #4 TOTAL VOLTAGE DROP = 3.2 %

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N4-1 | 285 | 75 | 0.115 | 0.295 | 0.90915 | 0.5364 | 0.5364 | 2.629 |
| N4-2 | 20 | 15 | 0.03 | 0.18 | 0.0638 | 0.0230 | 0.5594 | 2.742 |
| N4-3 | 30 | 15 | 0.03 | 0.15 | 0.0957 | 0.0287 | 0.5881 | 2.883 |
| N4-4 | 10 | 15 | 0.03 | 0.12 | 0.0319 | 0.0077 | 0.5957 | 2.920 |
| N4-5 | 35 | 15 | 0.03 | 0.09 | 0.11165 | 0.0201 | 0.6158 | 3.019 |
| N4-6 | 55 | 15 | 0.03 | 0.06 | 0.17545 | 0.0211 | 0.6369 | 3.122 |
| N4-7 | 40 | 15 | 0.03 | 0.03 | 0.1276 | 0.0077 | 0.6445 | 3.160 |

FIRE ALARM BATTERY CALCULATIONS

FACP
 BATTERIES AH RATING = 24HRS * STANDBY + 15 MIN * ALARM * 1.25 BATTERY FACTOR

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| FACP | 190.00 | 250.00 | 1 | 0.19 | 0.25 |
| EVS | 110.00 | 175.00 | 1 | 0.11 | 0.18 |
| 15CD STROBE | 0.00 | 17.00 | 23 | 0.00 | 0.39 |
| 30CD STROBE | 0.00 | 23.00 | 2 | 0.00 | 0.05 |
| 75CD STROBE | 2.00 | 53.00 | 13 | 0.03 | 0.69 |
| PULL STATION | 0.35 | 0.35 | 1 | 0.00 | 0.00 |
| HEAT DETECTOR | 0.00 | 4.50 | 23 | 0.00 | 0.10 |
| SMOKE DETECTOR | 0.20 | 4.50 | 43 | 0.01 | 0.19 |
| SMOKE CO DETECTOR | 0.20 | 2.00 | 11 | 0.00 | 0.02 |
| ISOLATION MONITOR | 0.20 | 0.00 | 3 | 0.00 | 0.00 |
| TOTAL LOAD | | | | 0.34 | 1.87 |

CALCULATED AH RATING 10.72
BATTERIES AH RATING 14.00 PROVIDED

FIRE ALARM BATTERY CALCULATIONS

EVS
 BATTERIES AH RATING = 24HRS * STANDBY + 15 MIN * ALARM * 1.25 BATTERY FACTOR

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| EVS | 40.00 | 160.00 | 1 | 0.04 | 0.16 |
| 2W SPEAKER | 0.00 | 88.00 | 20 | 0.00 | 1.76 |
| 4W SPEAKER | 0.00 | 176.00 | 3 | 0.00 | 0.53 |
| TOTAL LOAD | | | | 0.04 | 2.45 |

CALCULATED AH RATING 1.97
BATTERIES AH RATING 7.00 PROVIDED

FIRE ALARM BATTERY CALCULATIONS

FACU-1
 BATTERIES AH RATING = 24HRS * STANDBY + 15 MIN * ALARM * 1.25 BATTERY FACTOR

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| FACU | 190.00 | 250.00 | 1 | 0.19 | 0.25 |
| EVS | 110.00 | 175.00 | 1 | 0.11 | 0.18 |
| 15CD STROBE | 0.00 | 17.00 | 7 | 0.00 | 0.12 |
| 30CD STROBE | 0.00 | 23.00 | 4 | 0.00 | 0.09 |
| HEAT DETECTOR | 0.00 | 4.50 | 11 | 0.00 | 0.05 |
| SMOKE DETECTOR | 0.20 | 4.50 | 6 | 0.00 | 0.03 |
| SMOKE CO DETECTOR | 0.20 | 2.00 | 9 | 0.00 | 0.02 |
| ISOLATION MONITOR | 0.20 | 0.00 | 1 | 0.00 | 0.00 |
| RELAY MODULE | 0.26 | 0.26 | 3 | 0.00 | 0.00 |
| TOTAL LOAD | | | | 0.30 | 0.73 |

CALCULATED AH RATING 9.35
BATTERIES AH RATING 14.00 PROVIDED

FIRE ALARM BATTERY CALCULATIONS

EVS-1
 BATTERIES AH RATING = 24HRS * STANDBY + 15 MIN * ALARM * 1.25 BATTERY FACTOR

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| EVS | 40.00 | 160.00 | 1 | 0.04 | 0.16 |
| 2W SPEAKER | 0.00 | 88.00 | 4 | 0.00 | 0.35 |
| 4W SPEAKER | 0.00 | 176.00 | 2 | 0.00 | 0.35 |
| TOTAL LOAD | | | | 0.04 | 0.86 |

CALCULATED AH RATING 1.47
BATTERIES AH RATING 7.00 PROVIDED

AGENCY STAMP



SEMINGSON
 ARCHITECTURE
 &
 ENGINEERING

3233 BRUSH STREET - P.O. Box 210
 COTTONWOOD, CA 96022
 T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
 MAYWOOD ELEMENTARY SCHOOL DISTRICT
 1666 MARGUERITE AVE
 CORNING, CA 96021

ARCHITECT

ENGINEER



| REVISIONS: | | | |
|------------|---|---|---|
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |

FOR DSA APPROVAL

JOB No.: 25241
 DATE: 3/4/26
 SHEET No.:

FA0.5

FIRE ALARM CALCULATIONS



C:\Users\eytbe\Desktop\Revit\local files\2260.144\Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L2a.rvt 3/3/2026 10:32:06 AM

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

VOLTAGE DROP CALCULATIONS

FACU-1

$$\%VD = 2 * L * R * I$$

L = ONE WAY CIRCUIT LENGTH

R = SEGMENT RESISTANCE

I = CIRCUIT CURRENT

#14 CONDUCTOR RESISTANCE = 3.19 OHMS/1000 FT

NAC #1

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N1-1 | 10 | 15 | 0.03 | 0.37 | 0.0319 | 0.0236 | 0.0236 | 0.116 |
| N1-2 | 25 | 30 | 0.04 | 0.34 | 0.07975 | 0.0542 | 0.0778 | 0.382 |
| N1-3 | 15 | 15 | 0.03 | 0.3 | 0.04785 | 0.0287 | 0.1065 | 0.522 |
| N1-4 | 25 | 15 | 0.03 | 0.27 | 0.07975 | 0.0431 | 0.1496 | 0.733 |
| N1-5 | 10 | 15 | 0.03 | 0.24 | 0.0319 | 0.0153 | 0.1649 | 0.808 |
| N1-6 | 20 | 30 | 0.04 | 0.21 | 0.0638 | 0.0268 | 0.1917 | 0.940 |
| N1-7 | 85 | 15 | 0.03 | 0.17 | 0.27115 | 0.0922 | 0.2839 | 1.392 |
| N1-8 | 25 | 30 | 0.04 | 0.14 | 0.07975 | 0.0223 | 0.3062 | 1.501 |
| N1-9 | 20 | 15 | 0.03 | 0.1 | 0.0638 | 0.0128 | 0.3190 | 1.564 |
| N1-10 | 10 | 30 | 0.04 | 0.07 | 0.0319 | 0.0045 | 0.3235 | 1.586 |
| N1-11 | 20 | 15 | 0.03 | 0.03 | 0.0638 | 0.0038 | 0.3273 | 1.604 |

NAC #1 TOTAL CIRCUIT LENGTH = 265 FT

NAC #1 TOTAL VOLTAGE DROP = 1.6 %

VOLTAGE DROP CALCULATIONS

FACU-2

$$\%VD = 2 * L * R * I$$

L = ONE WAY CIRCUIT LENGTH

R = SEGMENT RESISTANCE

I = CIRCUIT CURRENT

#14 CONDUCTOR RESISTANCE = 3.19 OHMS/1000 FT

NAC #1

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N1-1 | 120 | 110 | 0.2 | 0.2 | 0.3828 | 0.1531 | 0.1531 | 0.751 |

NAC #1 TOTAL CIRCUIT LENGTH = 120 FT

NAC #1 TOTAL VOLTAGE DROP = 0.8 %

NAC #2

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N2-1 | 35 | 15 | 0.03 | 0.77 | 0.11165 | 0.1719 | 0.1719 | 0.843 |
| N2-2 | 10 | 15 | 0.03 | 0.74 | 0.0319 | 0.0472 | 0.2192 | 1.074 |
| N2-3 | 20 | 30 | 0.04 | 0.71 | 0.0638 | 0.0906 | 0.3097 | 1.518 |
| N2-4 | 25 | 110 | 0.2 | 0.67 | 0.07975 | 0.1069 | 0.4166 | 2.042 |
| N2-5 | 40 | 30 | 0.04 | 0.47 | 0.1276 | 0.1199 | 0.5366 | 2.630 |
| N2-6 | 25 | 15 | 0.03 | 0.43 | 0.07975 | 0.0686 | 0.6051 | 2.966 |
| N2-7 | 65 | 110 | 0.2 | 0.4 | 0.20735 | 0.1659 | 0.7710 | 3.780 |
| N2-8 | 50 | 110 | 0.2 | 0.2 | 0.1595 | 0.0638 | 0.8348 | 4.092 |

NAC #2 TOTAL CIRCUIT LENGTH = 270 FT

NAC #2 TOTAL VOLTAGE DROP = 4.1 %

VOLTAGE DROP CALCULATIONS

FACU-3

$$\%VD = 2 * L * R * I$$

L = ONE WAY CIRCUIT LENGTH

R = SEGMENT RESISTANCE

I = CIRCUIT CURRENT

#14 CONDUCTOR RESISTANCE = 3.19 OHMS/1000 FT

NAC #1

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N1-1 | 30 | 75 | 0.115 | 0.23 | 0.0957 | 0.0440 | 0.0440 | 0.216 |
| N1-2 | 40 | 75 | 0.115 | 0.115 | 0.1276 | 0.0293 | 0.0734 | 0.360 |

NAC #1 TOTAL CIRCUIT LENGTH = 70 FT

NAC #1 TOTAL VOLTAGE DROP = 0.4 %

NAC #2

| DEVICE | LENGTH | CANDELAS (CD) | DEVICE I | TOTAL I | RESISTANCE | VD (VOLTS) | TOTAL V | VD% (24V@85%) |
|--------|--------|---------------|----------|---------|------------|------------|---------|---------------|
| N2-1 | 45 | 30 | 0.04 | 0.315 | 0.14355 | 0.0904 | 0.0904 | 0.443 |
| N2-2 | 55 | 30 | 0.04 | 0.275 | 0.17545 | 0.0965 | 0.1869 | 0.916 |
| N2-3 | 80 | 15 | 0.03 | 0.235 | 0.2552 | 0.1199 | 0.3069 | 1.504 |
| N2-4 | 10 | 15 | 0.03 | 0.205 | 0.0319 | 0.0131 | 0.3200 | 1.568 |
| N2-5 | 20 | 15 | 0.03 | 0.175 | 0.0638 | 0.0223 | 0.3423 | 1.678 |
| N2-6 | 10 | 15 | 0.03 | 0.145 | 0.0319 | 0.0093 | 0.3515 | 1.723 |
| N2-7 | 45 | 75 | 0.115 | 0.115 | 0.14355 | 0.0330 | 0.3846 | 1.885 |

NAC #2 TOTAL CIRCUIT LENGTH = 265 FT

NAC #2 TOTAL VOLTAGE DROP = 1.9 %

FIRE ALARM BATTERY CALCULATIONS

FACU-2

$$\text{BATTERIES AH RATING} = 24\text{HRS} * \text{STANDBY} + 15 \text{ MIN} * \text{ALARM} * 1.25 \text{ BATTERY FACTOR}$$

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| FACP | 190.00 | 250.00 | 1 | 0.19 | 0.25 |
| EVS | 110.00 | 175.00 | 1 | 0.11 | 0.18 |
| 15CD STROBE | 0.00 | 17.00 | 3 | 0.00 | 0.05 |
| 30CD STROBE | 0.00 | 23.00 | 2 | 0.00 | 0.05 |
| 110CD STROBE | 2.00 | 80.00 | 4 | 0.01 | 0.32 |
| BEAM DETECTOR | 14.00 | 15.00 | 2 | 0.03 | 0.03 |
| HEAT DETECTOR | 0.00 | 4.50 | 2 | 0.00 | 0.01 |
| SMOKE DETECTOR | 0.20 | 4.50 | 14 | 0.00 | 0.06 |
| CO DETECTOR | 0.20 | 2.00 | 1 | 0.00 | 0.00 |
| ISOLATION MONITOR | 0.20 | 0.00 | 1 | 0.00 | 0.00 |
| TOTAL LOAD | | | | 0.34 | 0.95 |

CALCULATED AH RATING 10.47

BATTERIES AH RATING 14.00 PROVIDED

FIRE ALARM BATTERY CALCULATIONS

EVS-2

$$\text{BATTERIES AH RATING} = 24\text{HRS} * \text{STANDBY} + 15 \text{ MIN} * \text{ALARM} * 1.25 \text{ BATTERY FACTOR}$$

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| EVS | 40.00 | 160.00 | 1 | 0.04 | 0.16 |
| 2W SPEAKER | 0.00 | 88.00 | 8 | 0.00 | 0.70 |
| 4W SPEAKER | 0.00 | 176.00 | 3 | 0.00 | 0.53 |
| TOTAL LOAD | | | | 0.04 | 1.39 |

CALCULATED AH RATING 1.64

BATTERIES AH RATING 7.00 PROVIDED

FIRE ALARM BATTERY CALCULATIONS

FACU-3

$$\text{BATTERIES AH RATING} = 24\text{HRS} * \text{STANDBY} + 15 \text{ MIN} * \text{ALARM} * 1.25 \text{ BATTERY FACTOR}$$

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| FACU | 190.00 | 250.00 | 1 | 0.19 | 0.25 |
| EVS | 110.00 | 175.00 | 1 | 0.11 | 0.18 |
| 15CD STROBE | 0.00 | 17.00 | 4 | 0.00 | 0.07 |
| 30CD STROBE | 0.00 | 23.00 | 2 | 0.00 | 0.05 |
| 75CD STROBE | 2.00 | 53.00 | 3 | 0.01 | 0.16 |
| BEAM DETECTOR | 14.00 | 15.00 | 2 | 0.03 | 0.03 |
| HEAT DETECTOR | 0.00 | 4.50 | 4 | 0.00 | 0.02 |
| SMOKE DETECTOR | 0.20 | 4.50 | 7 | 0.00 | 0.03 |
| CO DETECTOR | 0.20 | 2.00 | 1 | 0.00 | 0.00 |
| SMOKE CO DETECTOR | 0.20 | 2.00 | 1 | 0.00 | 0.00 |
| ISOLATION MONITOR | 0.20 | 0.00 | 1 | 0.00 | 0.00 |
| MONITOR MODULE | 0.40 | 5.50 | 3 | 0.00 | 0.02 |
| RELAY MODULE | 0.26 | 0.26 | 3 | 0.00 | 0.00 |
| TOTAL LOAD | | | | 0.34 | 0.80 |

CALCULATED AH RATING 10.39

BATTERIES AH RATING 14.00 PROVIDED

FIRE ALARM BATTERY CALCULATIONS

EVS-3

$$\text{BATTERIES AH RATING} = 24\text{HRS} * \text{STANDBY} + 15 \text{ MIN} * \text{ALARM} * 1.25 \text{ BATTERY FACTOR}$$

| | STANDBY (mA) | ALARM (mA) | QUANTITY | STANDBY (A) | ALARM (A) |
|-------------------|--------------|------------|----------|-------------|-------------|
| EVS | 40.00 | 160.00 | 1 | 0.04 | 0.16 |
| 2W SPEAKER | 0.00 | 88.00 | 4 | 0.00 | 0.35 |
| 4W SPEAKER | 0.00 | 176.00 | 5 | 0.00 | 0.88 |
| TOTAL LOAD | | | | 0.04 | 1.39 |

CALCULATED AH RATING 1.64

BATTERIES AH RATING 7.00 PROVIDED

AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER



REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

FOR DSA APPROVAL

JOB No.: 25241

DATE: 3/4/26

SHEET No.:

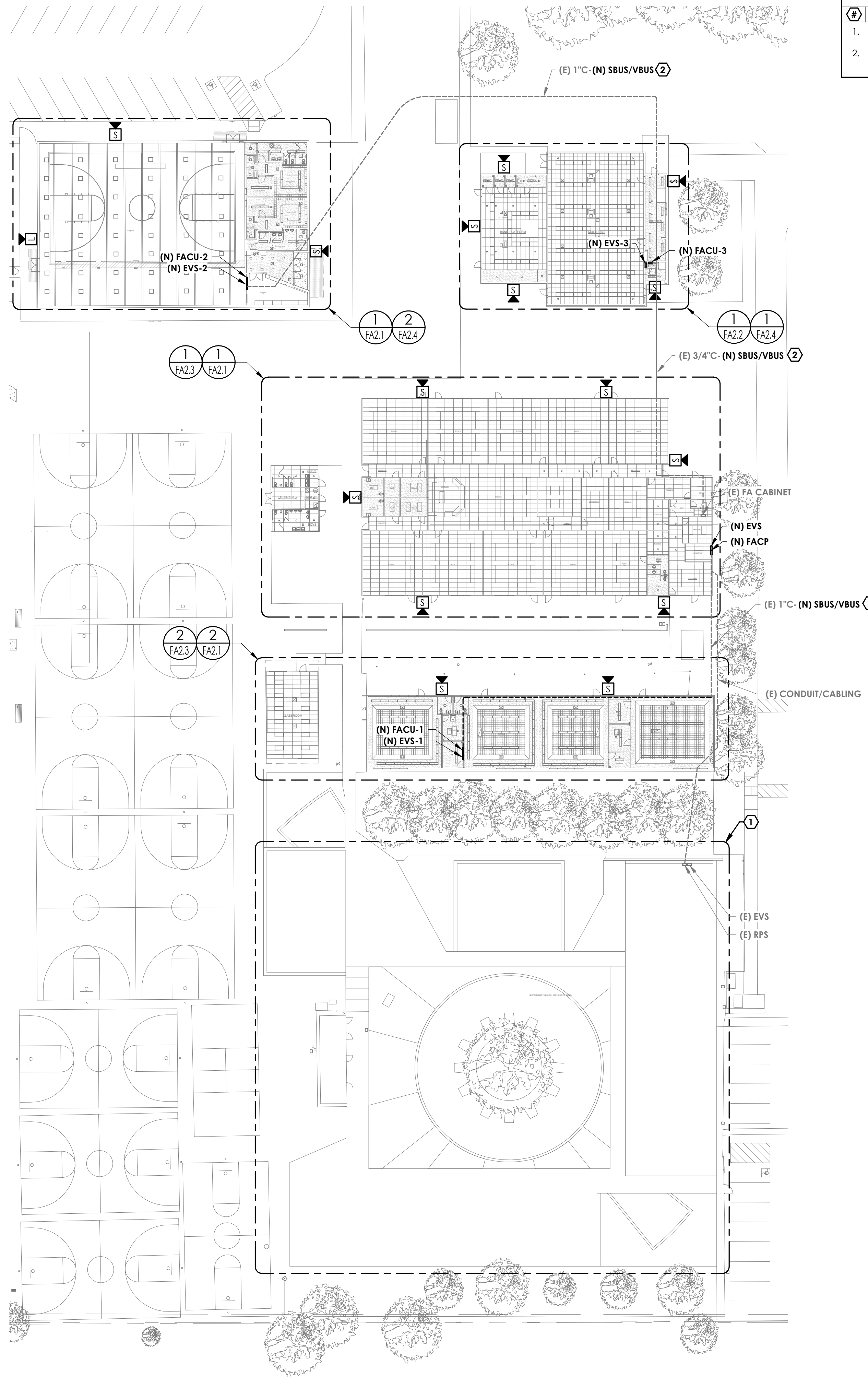
FA0.6

FIRE ALARM CALCULATIONS



C:\Users\eytibe\Desktop\Revit local files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L2.dwg 3/3/2026 10:32:06 AM

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



KEYNOTES

NOTE

- EXISTING PORTION OF CAMPUS IS FULLY COMPLIANT UNDER APPLICATION NUMBERS 02-11552 & 02-11553.
- UTILIZE EXISTING CONDUIT TO ROUTE NEW CABLING SHOWN. NOTIFY EOR IF CONDITIONS DIFFER THAN THOSE SHOWN.

FIRE ALARM SITE PLAN
 1" = 30'-0"
 (1) FA1.1

AGENCY STAMP



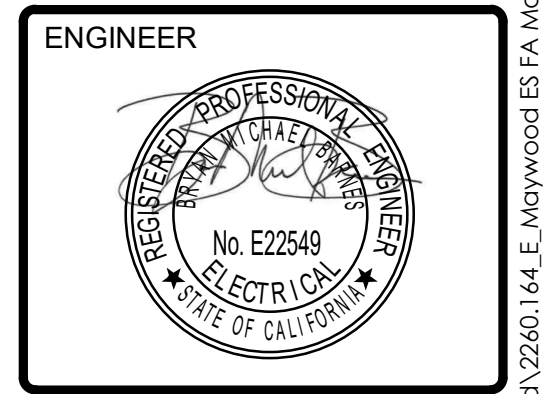
SEMINGSON
 ARCHITECTURE
 &
 ENGINEERING

3233 BRUSH STREET - P.O. Box 210
 COTTONWOOD, CA 96022
 T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
 MAYWOOD ELEMENTARY SCHOOL DISTRICT
 1666 MARGUERITE AVE
 CORNING, CA 96021

ARCHITECT



REVISIONS:

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

FOR DSA APPROVAL

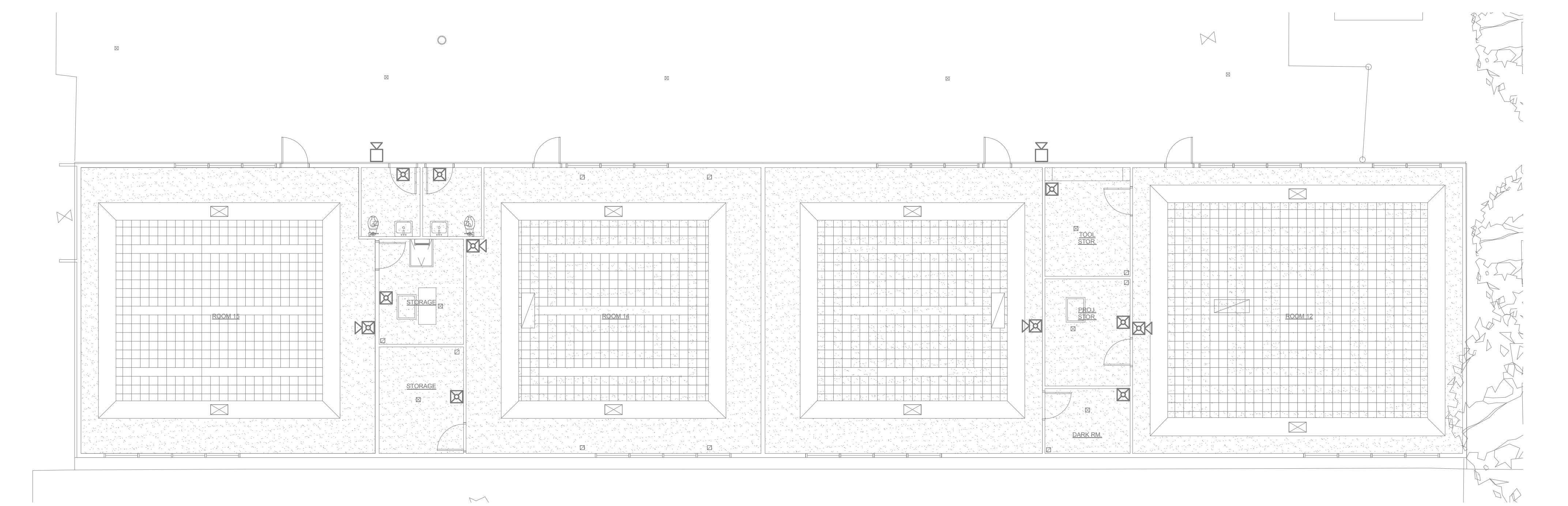
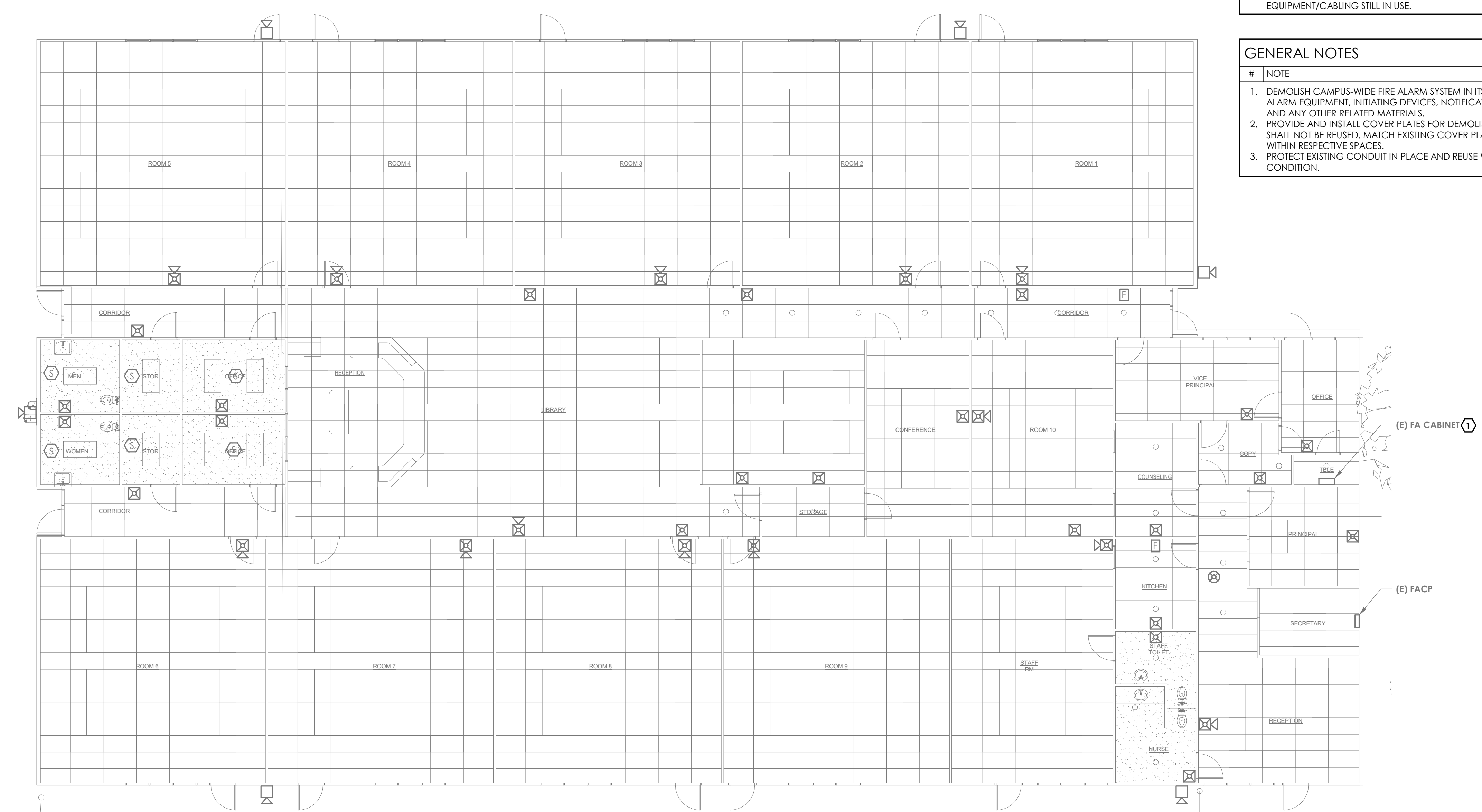
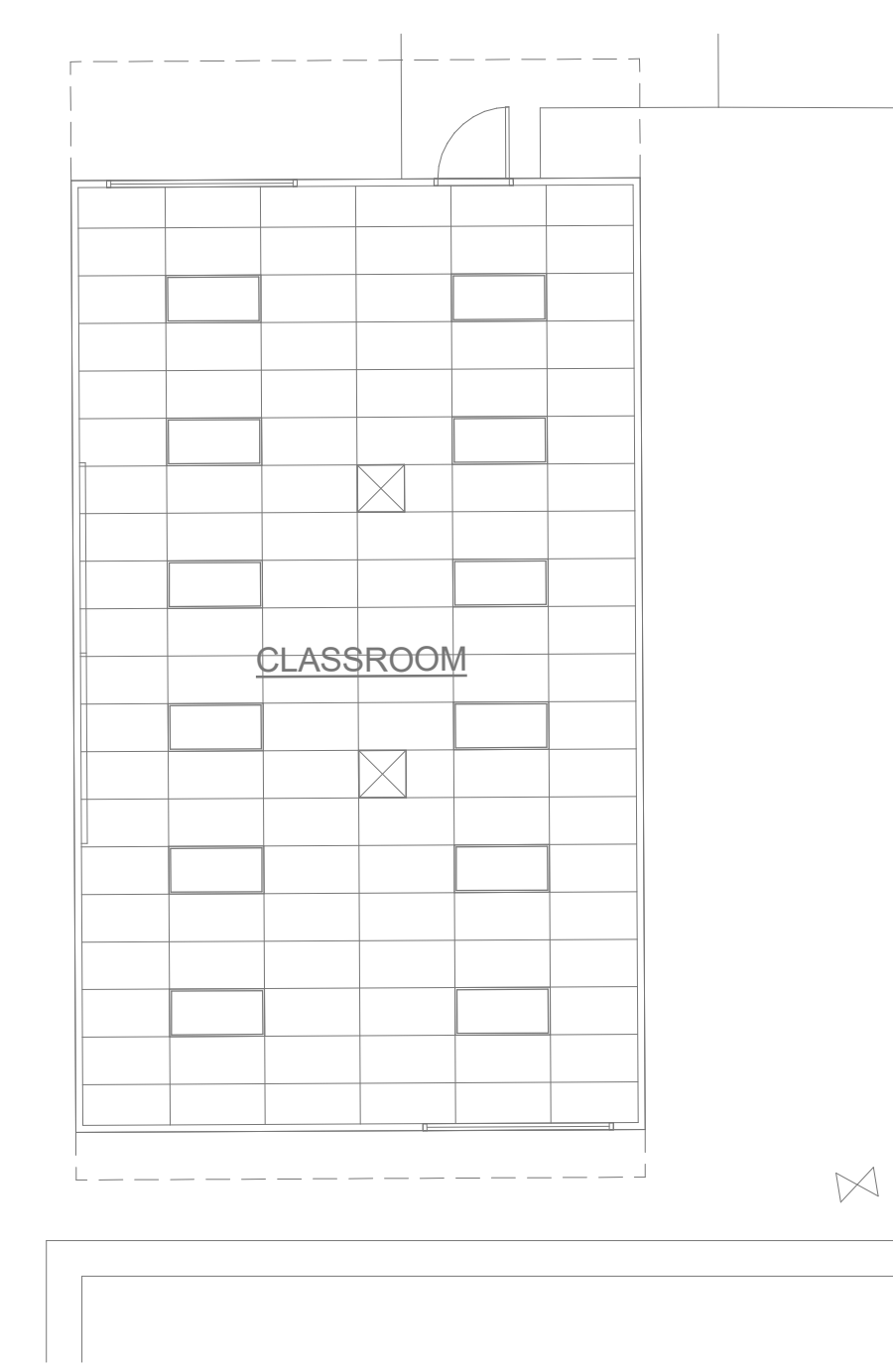
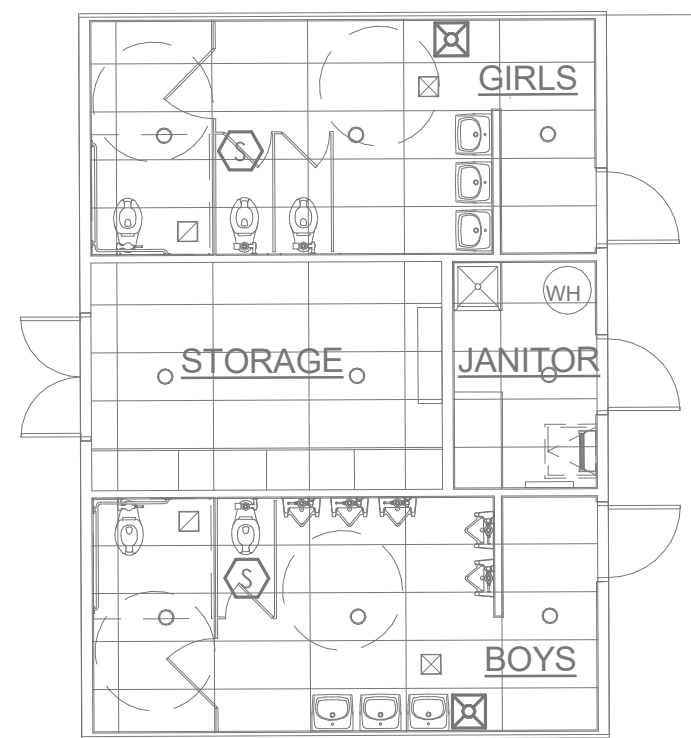
JOB No.: 25241
 DATE: 3/4/26
 SHEET No.:

FA1.1
 FIRE ALARM SITE PLAN



C:\Users\eytbe\Desktop\Revit\local files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L26.rvt
 3/3/2026 10:32:07 AM

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



DEMOS FIRE ALARM PLAN - LIBRARY
1/8" = 1'-0" FA2.1

DEMOS FIRE ALARM PLAN - CLASSROOMS
1/8" = 1'-0" FA2.1

KEYNOTES
NOTE
1. DEMO EQUIPMENT AND CABLING IN THIS ROOM, CONTRACTOR TO VERIFY EQUIPMENT/CABLING STILL IN USE.

GENERAL NOTES
NOTE
1. DEMOLISH CAMPUS-WIDE FIRE ALARM SYSTEM IN ITS ENTIRETY. THIS INCLUDES ALL FIRE ALARM EQUIPMENT, INITIATING DEVICES, NOTIFICATION APPLIANCES, CABLING, CONDUIT AND ANY OTHER RELATED MATERIALS.
2. PROVIDE AND INSTALL COVER PLATES FOR DEMOLISHED DEVICES WHERE LOCATIONS SHALL NOT BE REUSED. MATCH EXISTING COVER PLATE COLORS AND OR MATERIALS WITHIN RESPECTIVE SPACES.
3. PROTECT EXISTING CONDUIT IN PLACE AND REUSE WHERE FOUND TO BE IN GOOD CONDITION.

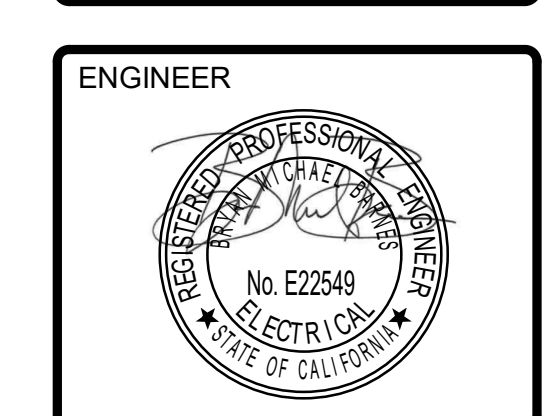
AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING
3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:
Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT



REVISIONS:

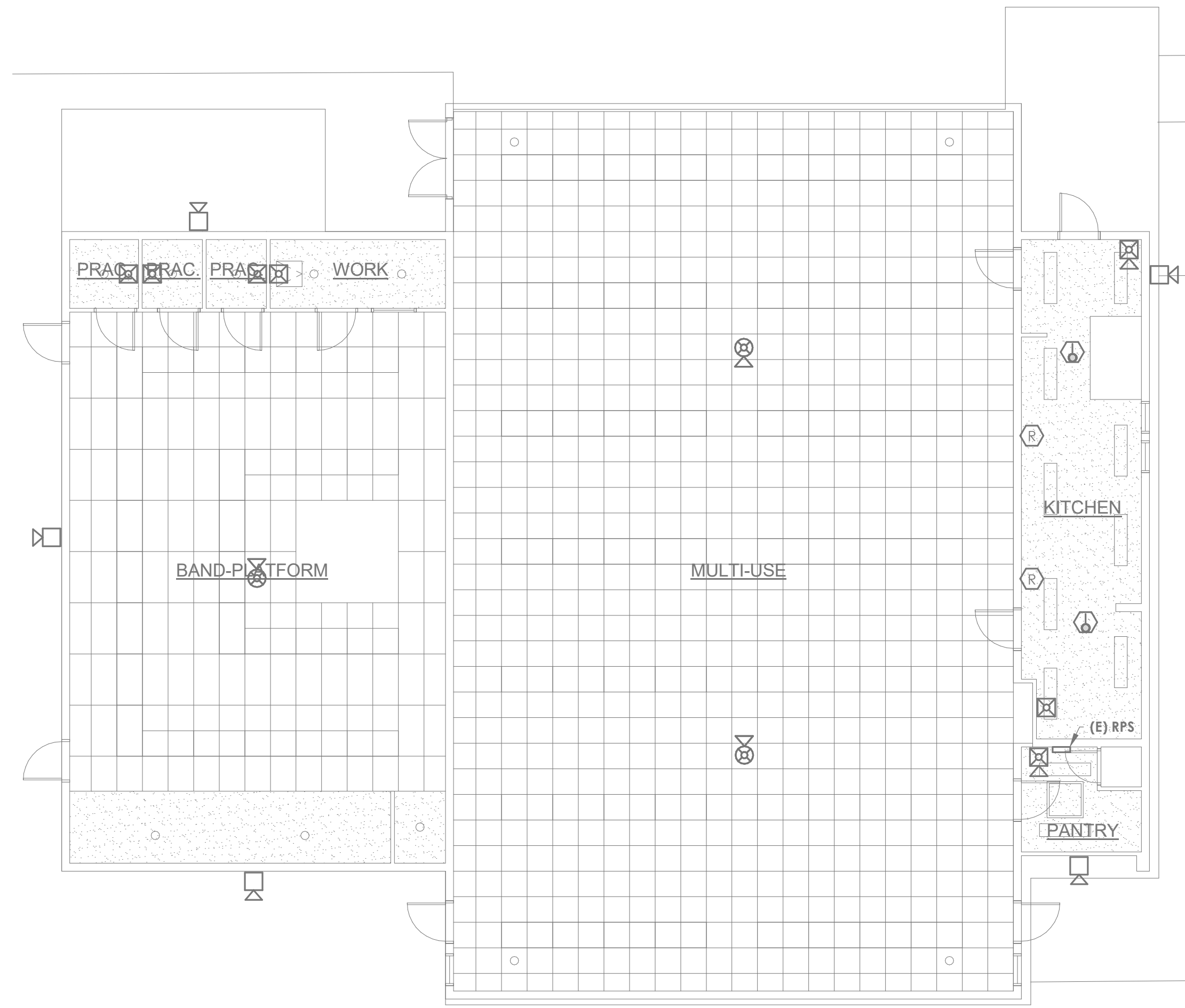
| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

FOR DSA APPROVAL
JOB No.: 25241
DATE: 3/4/26
SHEET No.:
FA2.1
DEMOS FIRE ALARM PLAN



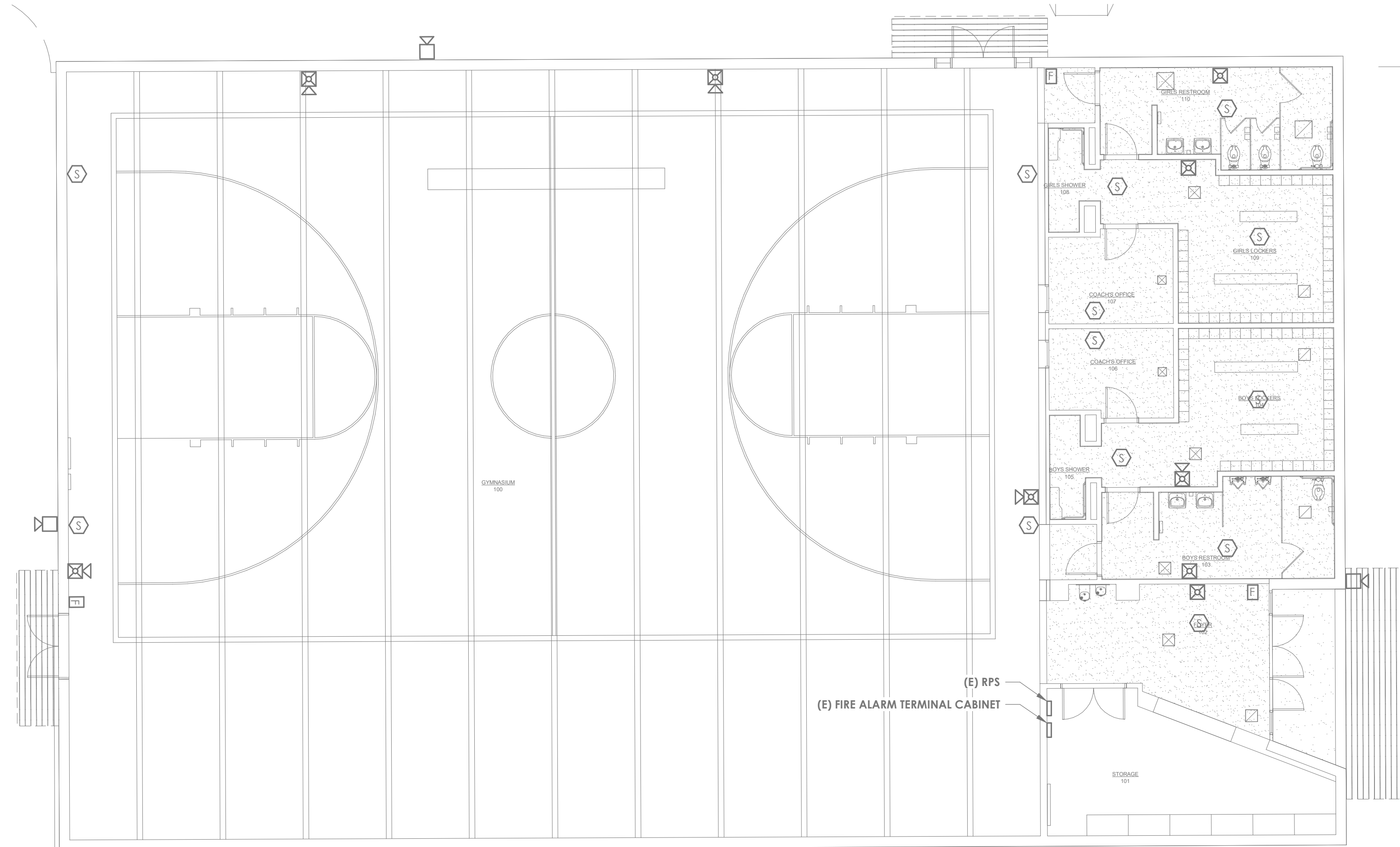
C:\Users\eyfba\Desktop\Revit local files\22601.144 Maywood ES FA Mod\22601.144_E_Maywood ES FA Modernization_EY_126.rvt
3/3/2026 10:32:07 AM

© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

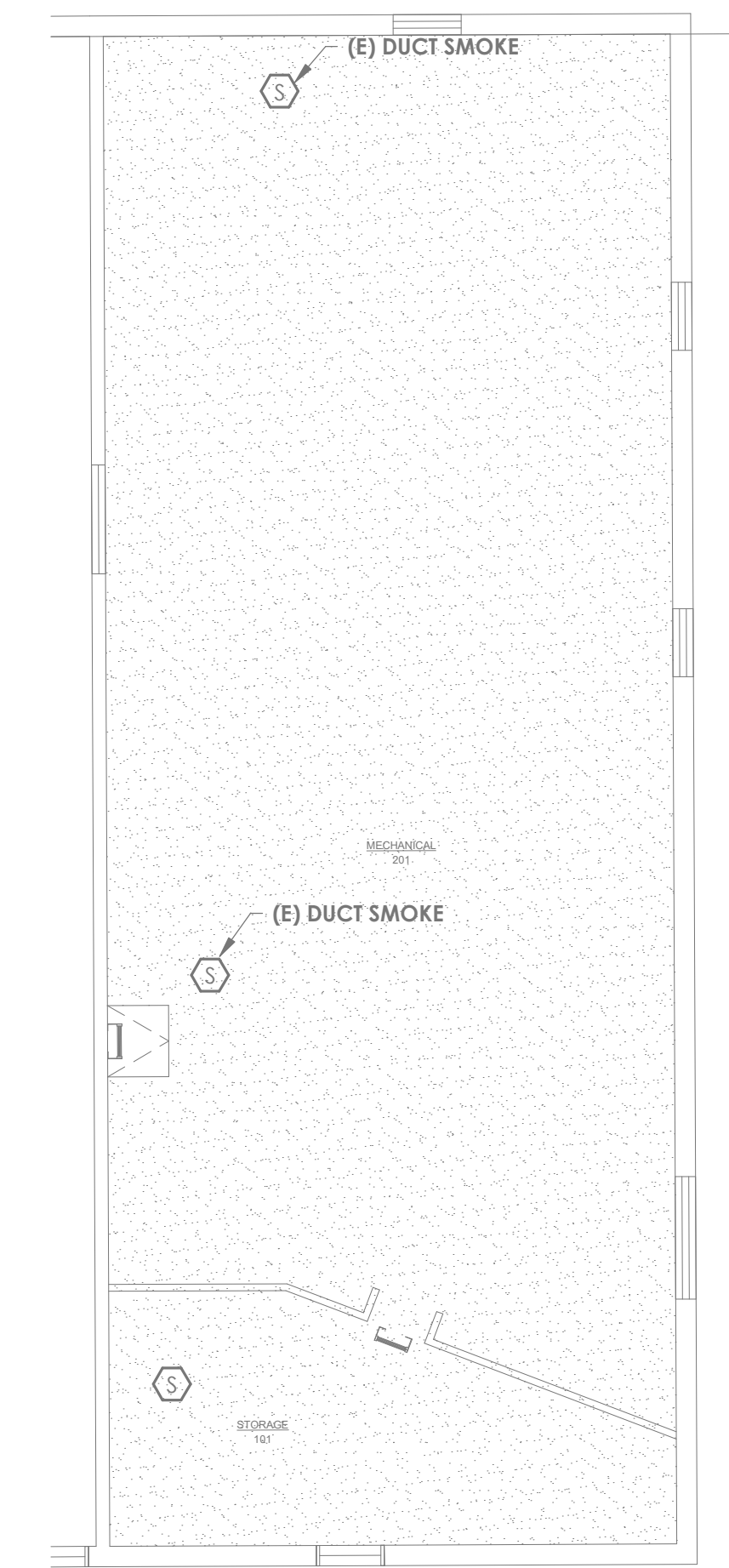


1
 DEMO FIRE ALARM PLAN - MULTIUSE
 1/8" = 1'-0"
 FA2.2

| GENERAL NOTES | |
|---------------|--|
| # | NOTE |
| 1. | DEMOLISH CAMPUS-WIDE FIRE ALARM SYSTEM IN ITS ENTIRETY. THIS INCLUDES ALL FIRE ALARM EQUIPMENT, INITIATING DEVICES, NOTIFICATION APPLIANCES, CABLING, CONDUIT AND ANY OTHER RELATED MATERIALS. |
| 2. | PROVIDE AND INSTALL COVER PLATES FOR DEMOLISHED DEVICES WHERE LOCATIONS SHALL NOT BE REUSED. MATCH EXISTING COVER PLATE COLORS AND OR MATERIALS WITHIN RESPECTIVE SPACES. |
| 3. | PROTECT EXISTING CONDUIT IN PLACE AND REUSE WHERE FOUND TO BE IN GOOD CONDITION. |



2
 DEMO FIRE ALARM PLAN - GYM
 1/8" = 1'-0"
 FA2.2



3
 DEMO FIRE ALARM PLAN - MEZZANINE
 1/8" = 1'-0"
 FA2.2

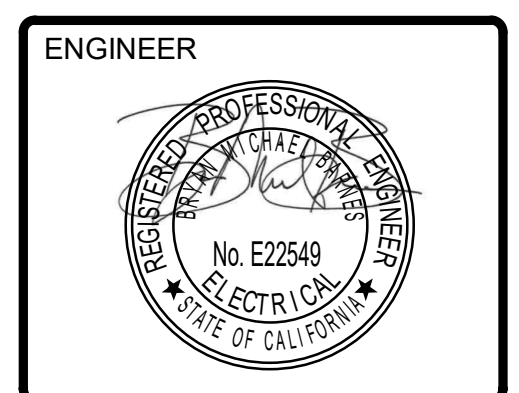
AGENCY STAMP



SEMINGSON
 ARCHITECTURE
 &
 ENGINEERING
 3233 BRUSH STREET - P.O. Box 210
 COTTONWOOD, CA 96022
 T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:
Maywood Elementary School
 MAYWOOD ELEMENTARY SCHOOL DISTRICT
 1666 MARGUERITE AVE
 CORNING, CA 96021

ARCHITECT



| REVISIONS: | | | |
|------------|---|---|---|
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |
| △ | - | - | - |

FOR DSA APPROVAL
 JOB No.: 25241
 DATE: 3/4/26
 SHEET No.:

FA2.2
 DEMO FIRE ALARM PLAN



C:\Users\yeyibe\Desktop\Revit Local Files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L26.rvt
 3/3/2026 10:32:08 AM

© Semington Architecture & Engineering, Inc. All rights reserved. Semington Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith or for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.

KEYNOTES

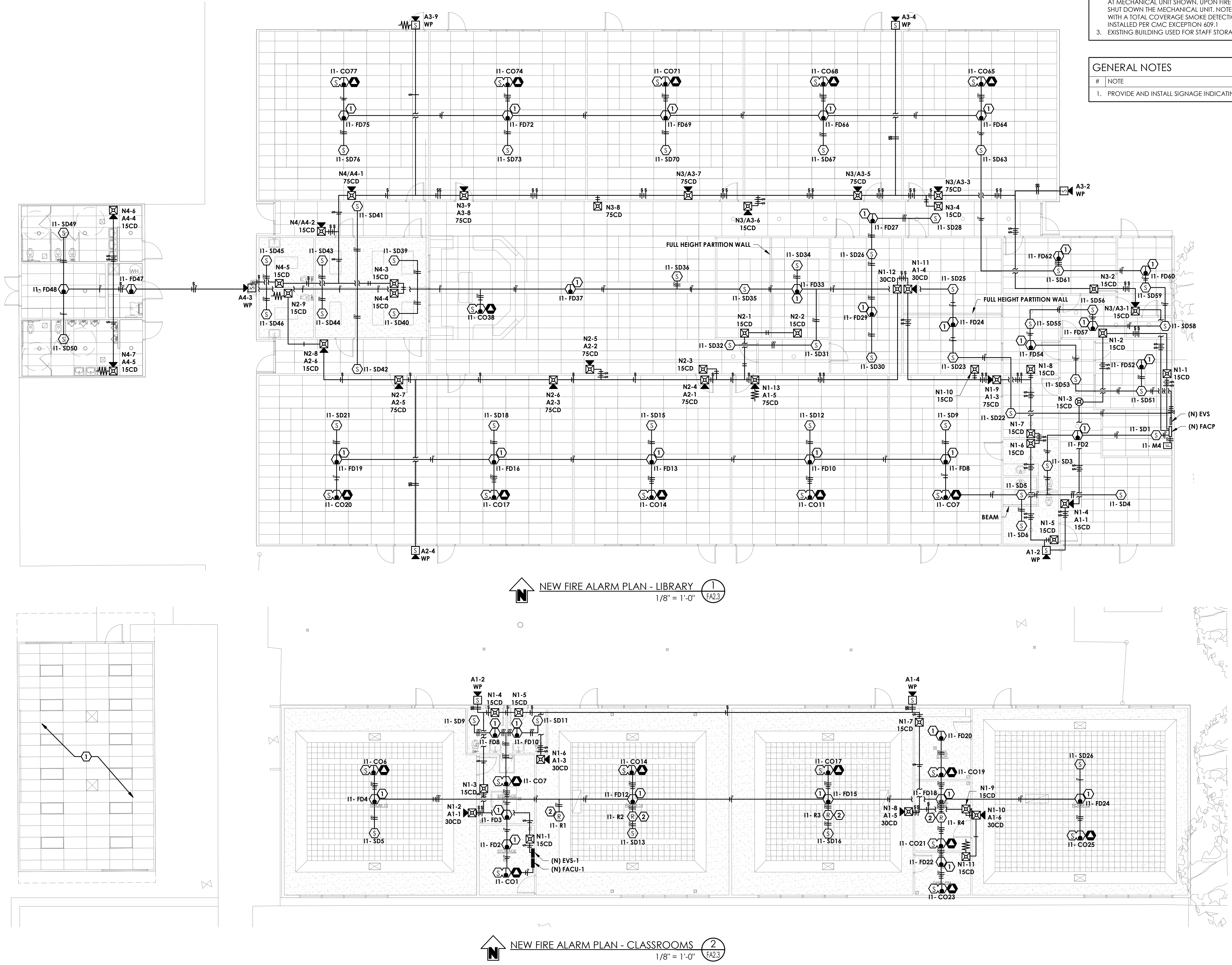
NOTE

1. PROVIDE AND INSTALL WITHIN ACCESSIBLE CEILING SPACE.
2. PROVIDE AND INSTALL 1/2" C-2#14 AND INTERTIE RELAY TO MECHANICAL UNIT SHUTDOWN AT MECHANICAL UNIT SHOWN. UPON FIRE ALARM ACTIVATION, THE RELAY SHOWN SHALL SHUT DOWN THE MECHANICAL UNIT. NOTE THAT THE MECHANICAL UNITS SERVE SPACES WITH A TOTAL COVERAGE SMOKE DETECTION SYSTEM. A DUCT DETECTOR SHALL NOT BE INSTALLED PER CMC EXCEPTION 409.1
3. EXISTING BUILDING USED FOR STAFF STORAGE ONLY, NOT IN SCOPE.

GENERAL NOTES

NOTE

1. PROVIDE AND INSTALL SIGNAGE INDICATING LOCATION OF THE FIRE ALARM PANELS.



NEW FIRE ALARM PLAN - LIBRARY (1)
1/8" = 1'-0" FA2.3

NEW FIRE ALARM PLAN - CLASSROOMS (2)
1/8" = 1'-0" FA2.3

AGENCY STAMP



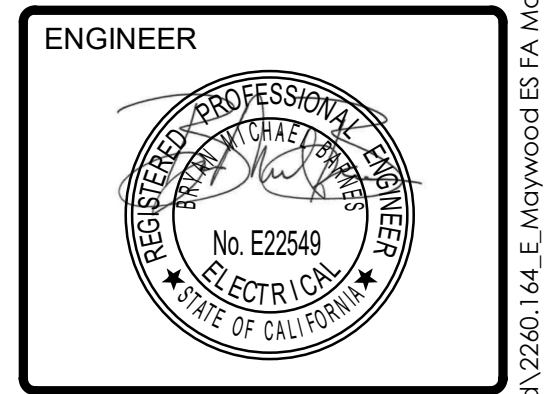
SEMINGTON
ARCHITECTURE
&
ENGINEERING

3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:

Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT



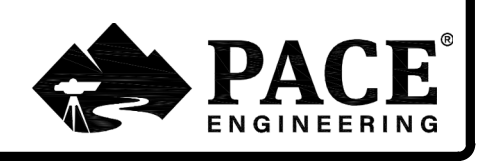
REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| | | |
| | | |
| | | |
| | | |

FOR DSA APPROVAL

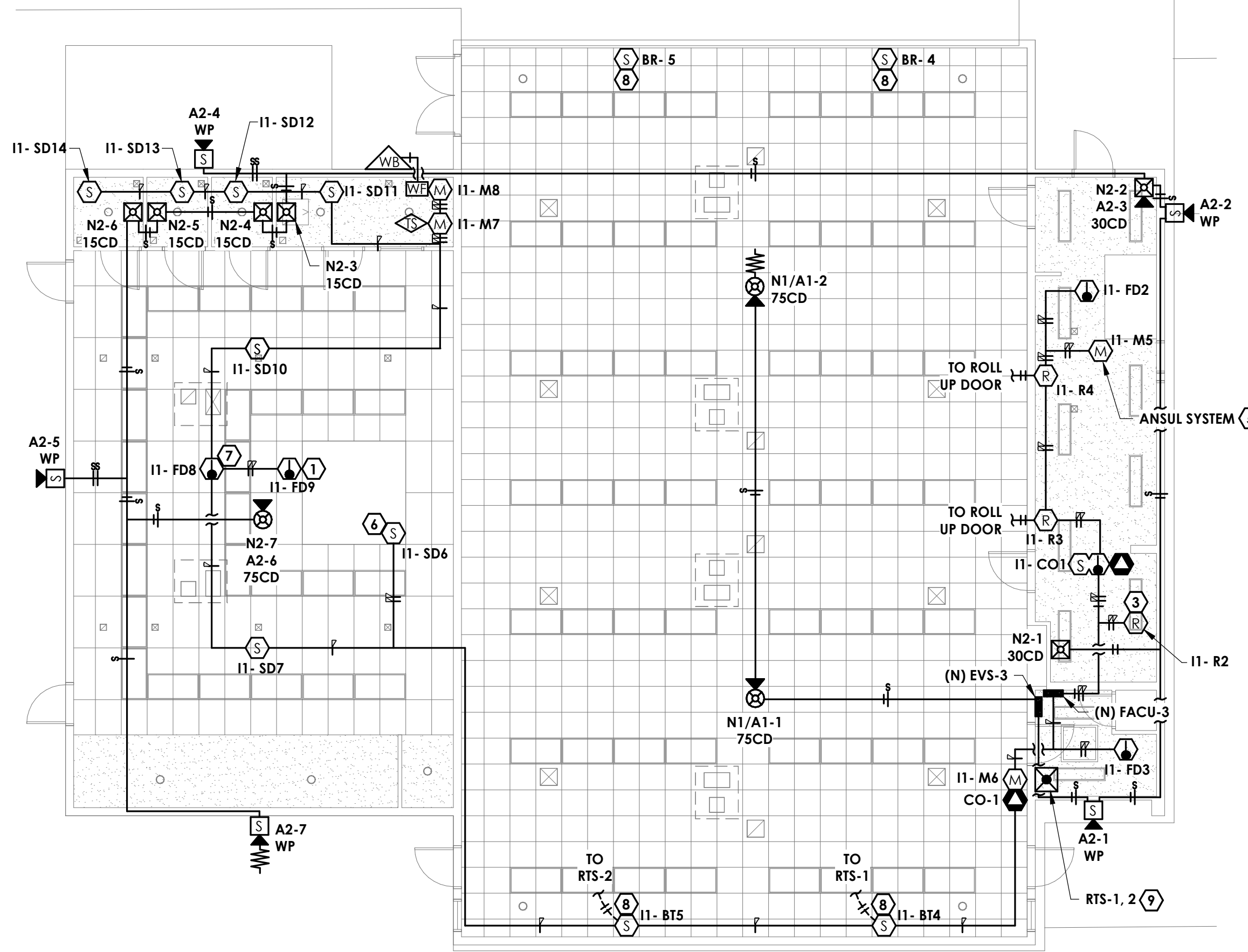
JOB No.: 25241
DATE: 3/4/26
SHEET No.:

FA2.3
NEW FIRE ALARM PLAN

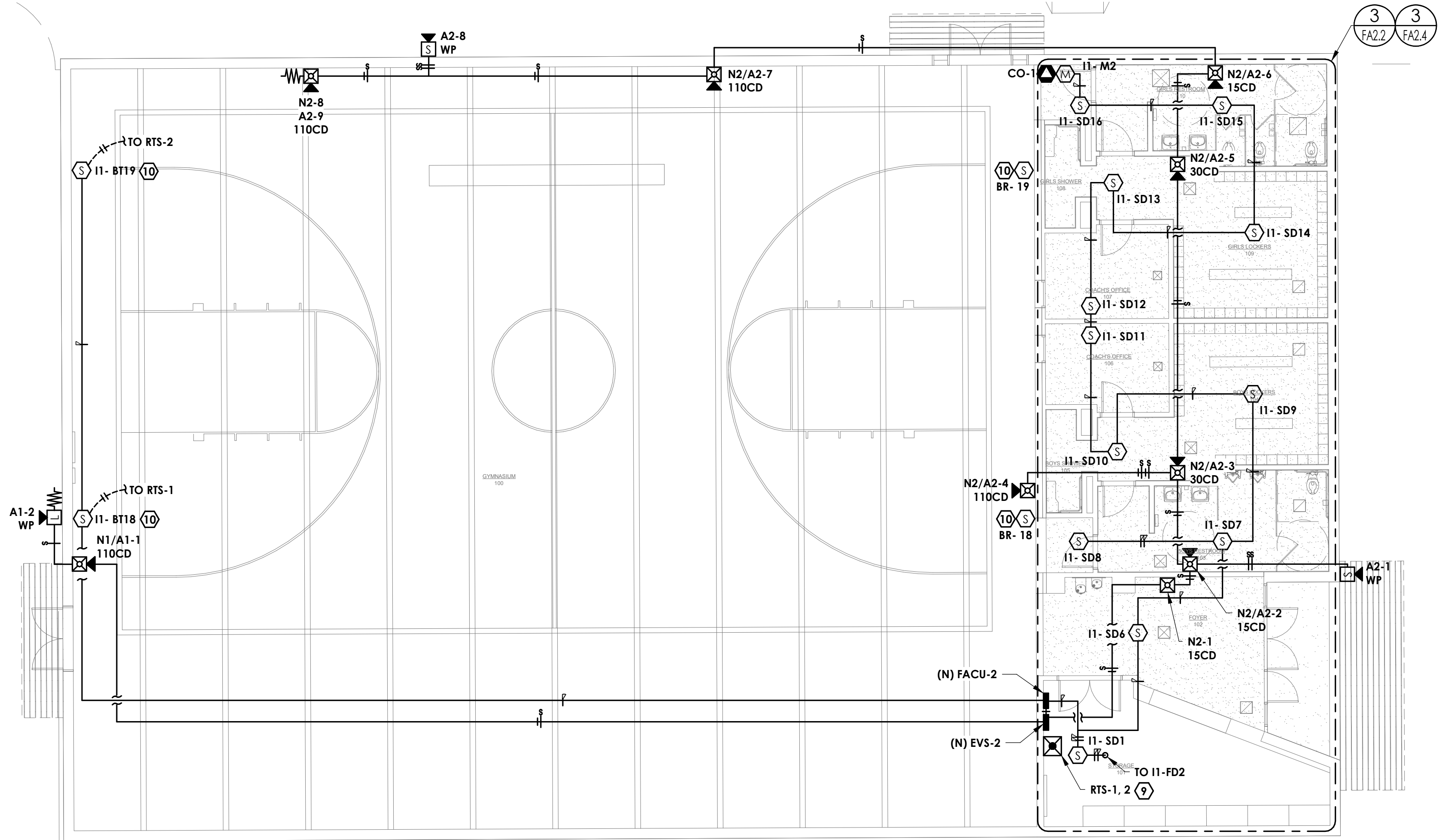


C:\Users\eytbe\Desktop\Revit local files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L26.rvt
3/3/2026 10:32:09 AM

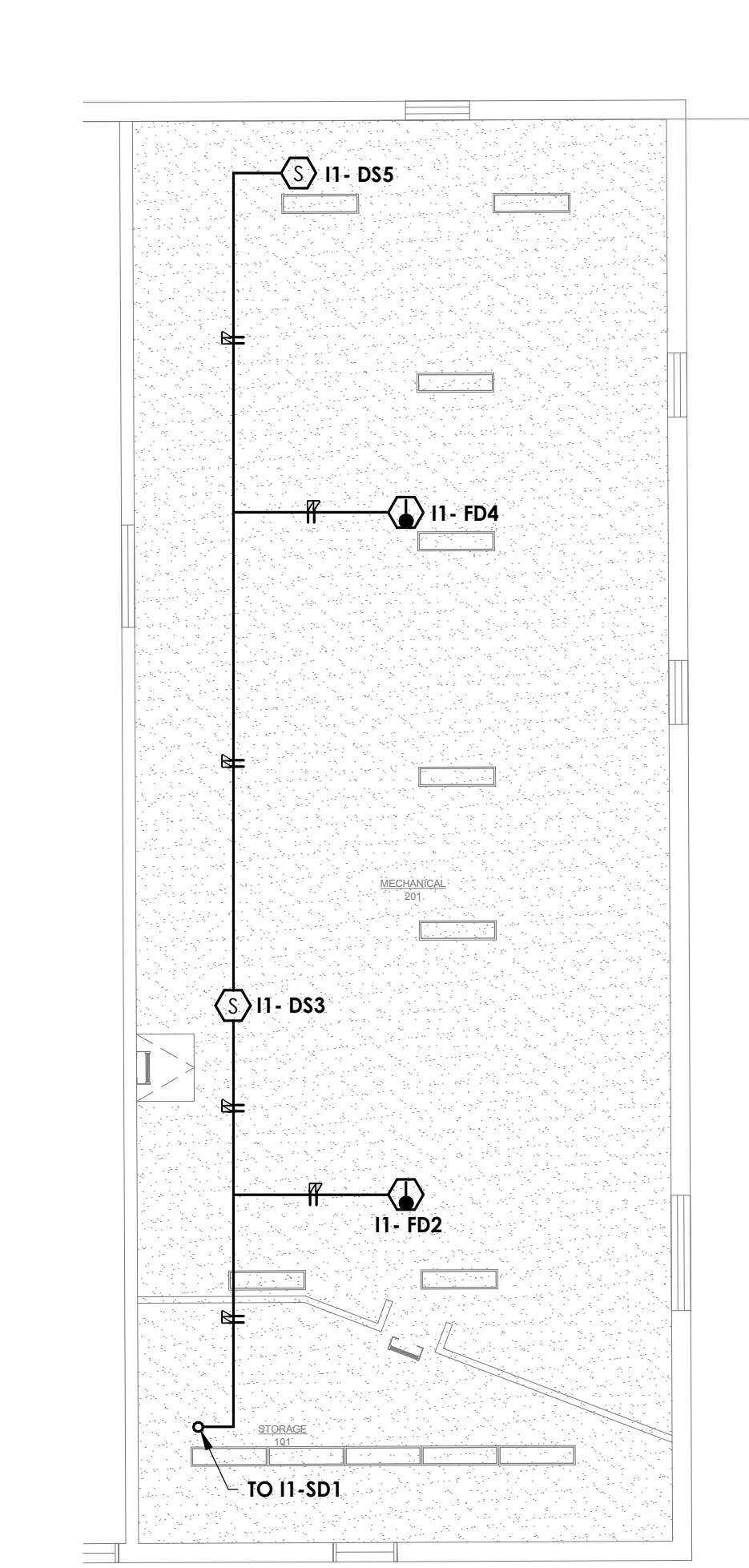
© Semington Architecture & Engineering, Inc. All rights reserved. Semington Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



NEW FIRE ALARM PLAN - MULTIUSE (1) FA2.4
1/8" = 1'-0"



NEW FIRE ALARM PLAN - GYM (2) FA2.4
1/8" = 1'-0"



NEW FIRE ALARM PLAN - MEZZANINE (3) FA2.4
1/8" = 1'-0"

- KEYNOTES**
- # NOTE
1. PROVIDE AND INSTALL WITHIN ACCESSIBLE CEILING SPACE.
 2. ARRANGE REMOTE KEY TEST SWITCHES ON WALL STARTING AT 46" AFF AND DESCENDING EVERY 0'-6".
 3. PROVIDE AND INSTALL 1/2" C-2#14 AND INTERIE RELAY TO MECHANICAL UNIT SHUTDOWN AT MECHANICAL UNIT SHOWN. UPON FIRE ALARM ACTIVATION, THE RELAY SHOWN SHALL SHUT DOWN THE MECHANICAL UNIT. NOTE THAT THE MECHANICAL UNITS SERVE SPACES WITH A TOTAL COVERAGE SMOKE DETECTION SYSTEM. A DUCT DETECTOR SHALL NOT BE INSTALLED PER CMC 609.1 EXCEPTION 1.
 4. INTERCONNECT SHUNT TRIP BREAKERS FEEDING LOADS UNDER THE KITCHEN HOOD TO RELAY SHOWN USING 1/2" C-2#12, #12G. UPON ANSUL SYSTEM ACTIVATION, THE RELAY SHALL ACTIVATE SHUNT TRIP SYSTEM AND OPEN SHUNT TRIP BREAKERS.
 5. INTERCONNECT MONITOR MODULE TO ANSUL SYSTEM. UPON ANSUL SYSTEM ACTIVATION, THE FIRE ALARM CONTROL PANEL SHALL ACTIVATE THE RELAY AND OPEN ANY SHUNT TRIP BREAKERS FEEDING LOADS UNDER THE KITCHEN HOOD.
 6. PROVIDE AND INSTALL SMOKE DETECTOR ON WALL WITHIN HATCH OPENING.
 7. PROVIDE AND INSTALL HEAT DETECTOR BELOW RAISED FLOOR.
 8. PROVIDE AND INSTALL BEAM TRANSMITTER/REFLECTOR IN BETWEEN ACOUSTIC TILES AND 2'-0" BELOW CEILING.
 9. ARRANGE REMOTE KEY TEST SWITCHES ON THE WALL STARTING AT 46" AFF AND DESCENDING EVERY 0'-6".
 10. PROVIDE AND INSTALL BEAM TRANSMITTER/REFLECTOR IN SAME LOCATION AS EXISTING.

- GENERAL NOTES**
- # NOTE
1. PROVIDE AND INSTALL WIRE GUARD OVER DEVICES SUBJECT TO DAMAGE WITHIN GYM. WIREGUARD MANUFACTURER SHALL BE STI-USA, OR EQUAL.
 2. PROVIDE AND INSTALL SIGNAGE INDICATING LOCATION OF THE FIRE ALARM PANELS.
 3. IT IS ALLOWABLE TO REUSE EXISTING PATHWAYS BETWEEN FIRE ALARM DEVICES.

AGENCY STAMP



SEMINGTON
ARCHITECTURE
&
ENGINEERING
3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:
Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER

REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

FOR DSA APPROVAL

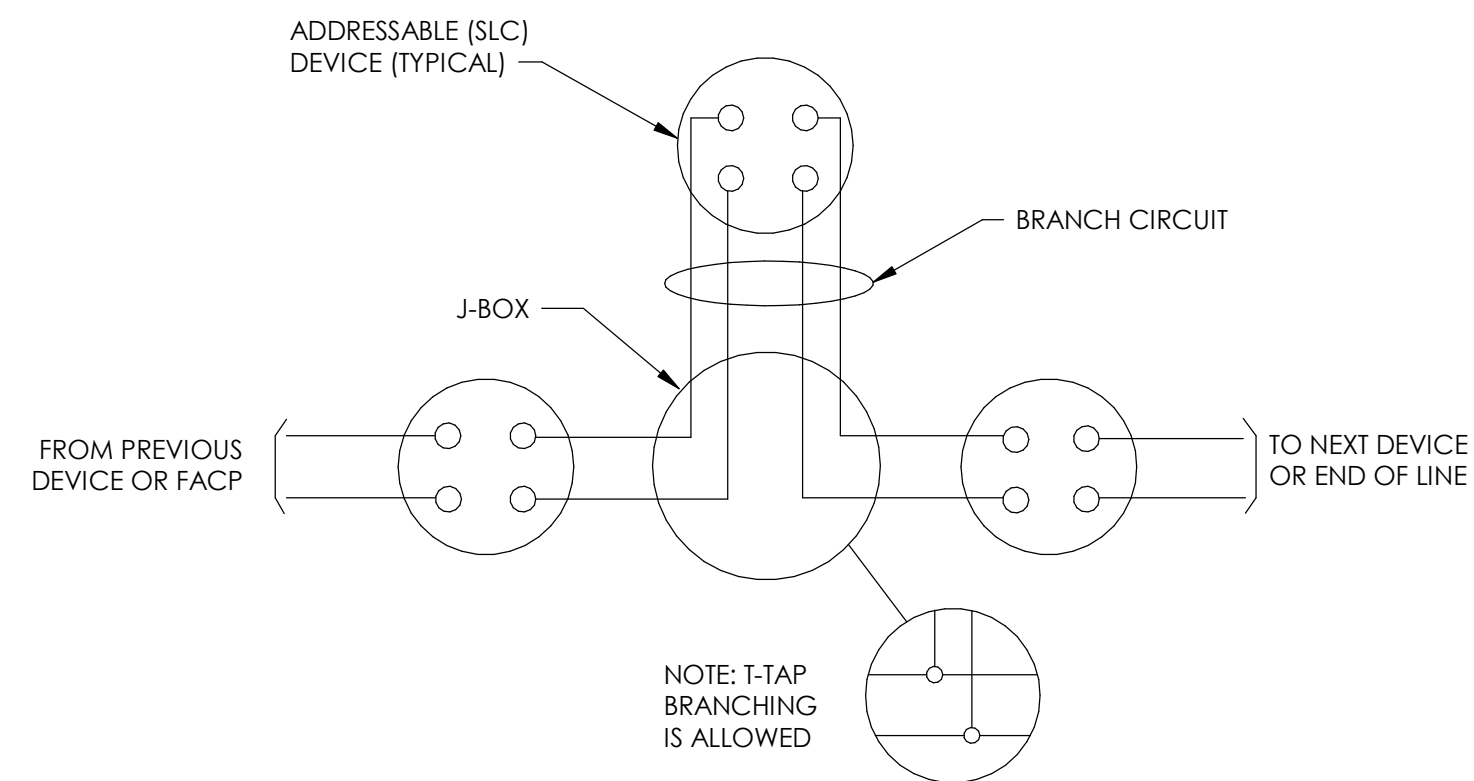
JOB No.: 25241
DATE: 3/4/26

SHEET No.:
FA2.4
NEW FIRE ALARM PLAN



C:\Users\eyitbe\Desktop\Revit local files\2260.164 Maywood ES FA Mod\2260.164_E_Maywood ES FA Modernization_L126.rvt
3/3/2026 10:32:09 AM

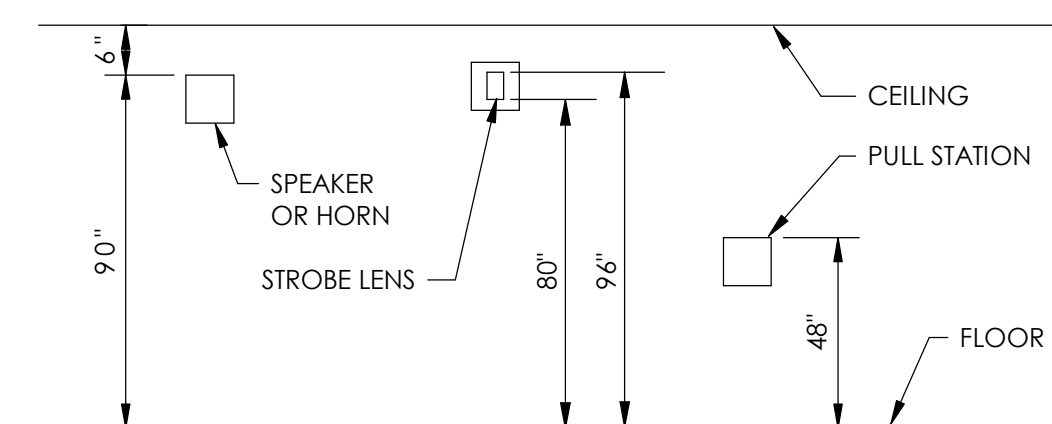
© Semingson Architecture & Engineering, Inc. All rights reserved. Semingson Architecture & Engineering, Inc. does not represent these plans or specifications in connection therewith are suitable whether or not modified for any other site other than the one for which they were specifically prepared, and disclaim responsibility for these plans and specifications if they are used in whole or in part at any other site.



NOTE:
ALTHOUGH T-TAP BRANCHING IS PERMITTED,
DO NOT EXCEED THE SYSTEM MAXIMUM T-TAPS FOR EACH
DATA LOOP

NOTE:
WHERE SHIELDING IS REQUIRED, ALL SHIELDS SHALL BE
TIED TOGETHER AND ISOLATED FROM GROUND.

FIRE ALARM - ADDRESSABLE CIRCUIT WIRING (1) (FA4.1) NTS

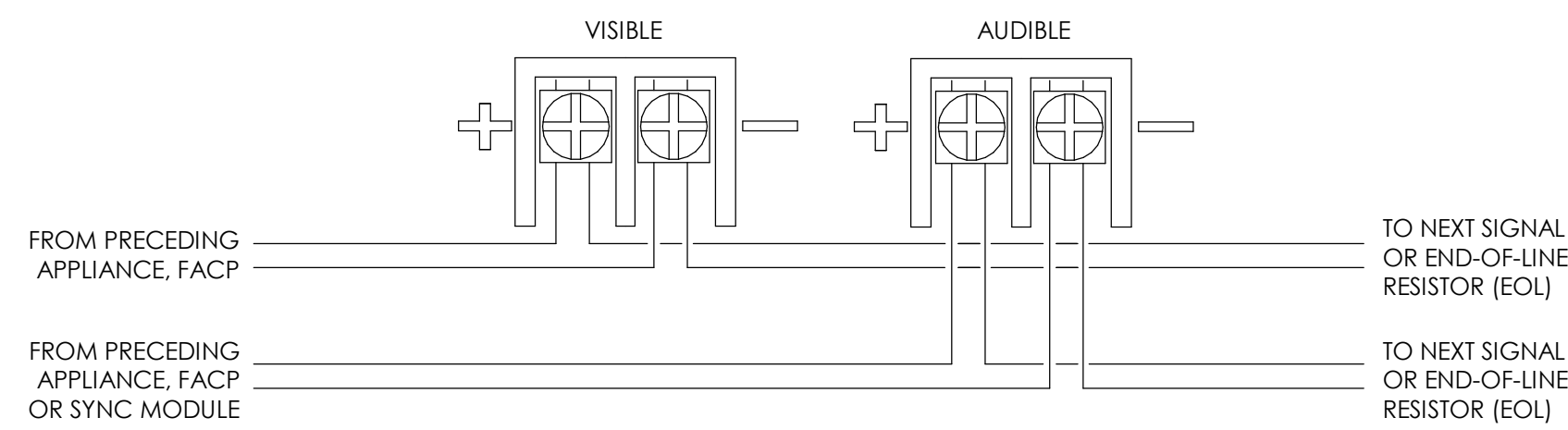


NOTE: INTERIOR SPEAKERS OR HORNS SHALL HAVE TOP OF UNITS AT HEIGHTS ABOVE FINISHED FLOOR OF NO LESS THAN 9'0" AND BELOW THE FINISHED CEILING OF NO LESS THAN 6". EXTERIOR SPEAKERS OR HORNS SHALL HAVE TOP OF UNITS AT HEIGHTS OF NO LESS THAN 9'0"

NOTE: STROBES SHALL HAVE BOTTOM OF LENS AT HEIGHTS ABOVE FINISHED FLOOR OF NO LESS THAN 8'0" AND NO GREATER THAN 9'6" TO TOP OF LENS.

NOTE: MOUNT PULL STATIONS AT 48" ABOVE FINISHED FLOOR TO TOP OF ACTIVATING HANDLE PER CBC 907.4.2.2.

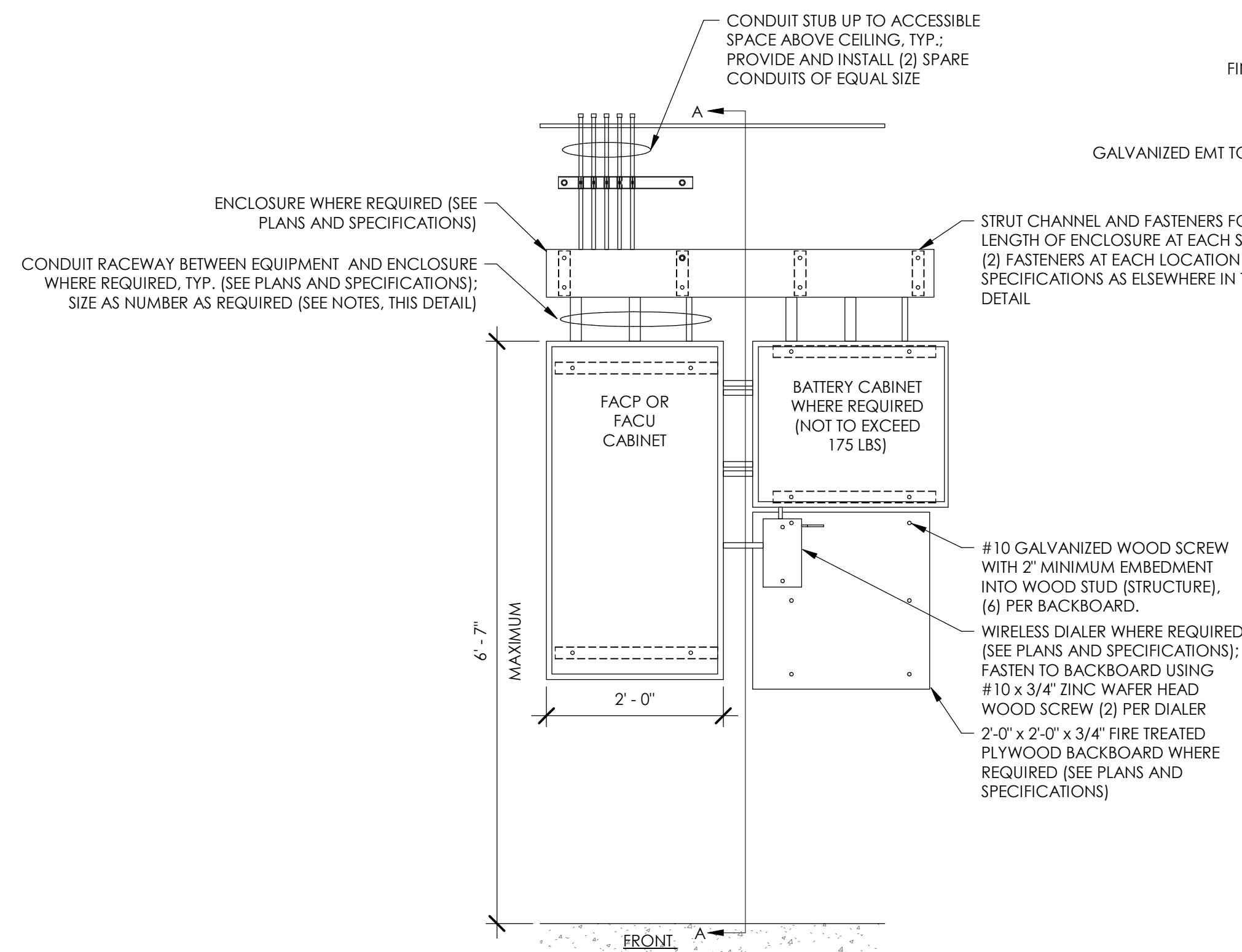
FIRE ALARM - DEVICE HEIGHT (2) (FA4.1) NTS



1. SPEAKER AND SPEAKER STROBE MODELS HAVE IN-OUT WIRING TERMINALS THAT ACCEPT TWO #12 TO #18 AMERICAN WIRE GAUGE (AWG) WIRES AT EACH SCREW TERMINAL. STRIP LEADS 3/8 INCHES AND CONNECT TO SCREW TERMINALS.

2. BREAK ALL IN-OUT WIRE RUNS ON SUPERVISED CIRCUITS TO ASSURE INTEGRITY OF CIRCUIT SUPERVISION. THE POLARITY SHOWN IN THE WIRING DIAGRAMS IS FOR OPERATION OF THE APPLIANCES.

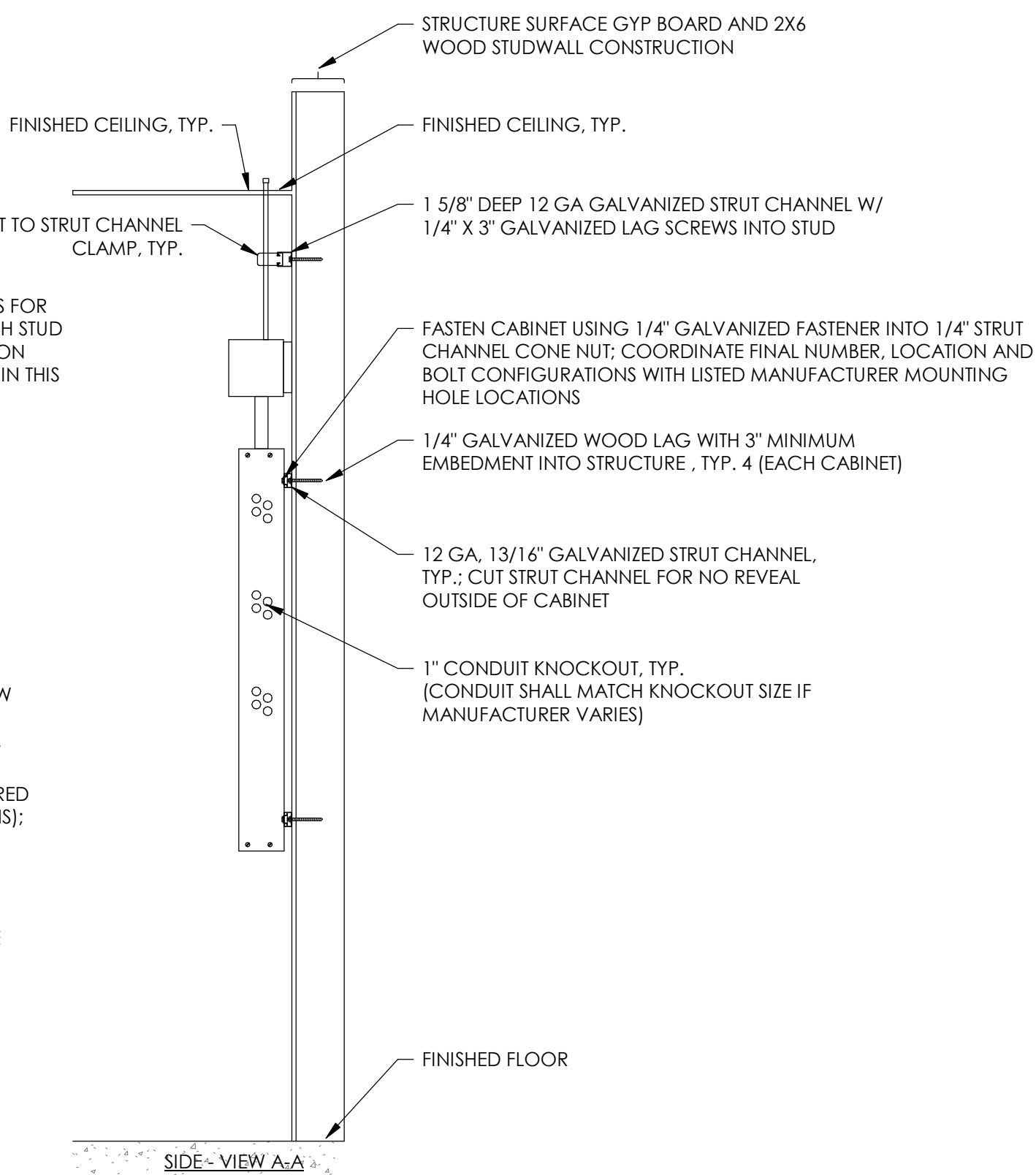
FIRE ALARM - NOTIFICATION CIRCUIT WIRING (3) (FA4.1) NTS



NOTE:

- TYPICAL FIRE ALARM CABINET MAY VARY IN WIDTH AND LENGTH. THIS DETAIL SHALL ACCOUNT FOR LARGEST AND HEAVIEST CABINET AVAILABLE, BUT FASTENING AND ANCHORAGE SHALL BE USED EQUALLY FOR SMALLER CABINET CONFIGURATIONS.
- MATCH MANUFACTURER KNOCKOUTS IN SIZE AND NUMBER FOR CONDUIT PENETRATIONS INTO THE FACP, FACU AND BATTERY CABINET (CABINET ENCLOSURE NEED NOT MAINTAIN LISTINGS). CONTRACTOR SHALL RETAIN ALL LISTINGS OF THESE CABINETS BY CONFORMING TO MANUFACTURER INSTALLATION REQUIREMENTS.
- MATCH MANUFACTURER BOLT LOCATIONS IN SIZE AND NUMBER FOR MOUNTING CABINET TO STRUT CHANNEL SHOWN. WHERE MANUFACTURER REQUIRES A THIRD FASTENING LOCATION, PROVIDE ADDITIONAL STRUT CHANNEL AND FASTENERS. MATCH ADDITIONAL STRUT CHANNELS WITH OTHERS SHOWN (THIS DETAIL).
- WHERE FIRE ALARM CONTROL UNITS ARE INTENDED TO BE ACCESSIBLE TO STAFF FOR CONTROL OF THE FIRE ALARM SYSTEM, THE MAXIMUM HEIGHT FOR ACCESSIBLE CONTROLS (KEYS, SWITCHES, MICROPHONE, ETC.) SHALL NOT EXCEED 4'-0" PER ADA STANDARDS.

FIRE ALARM MOUNTING (4) (FA4.1) 3/4" = 1'-0"



AGENCY STAMP



SEMINGSON
ARCHITECTURE
&
ENGINEERING
3233 BRUSH STREET - P.O. Box 210
COTTONWOOD, CA 96022
T: (530) 347-5500 F: (530) 347-7822

A FIRE ALARM REPLACEMENT PROJECT for:
Maywood Elementary School
MAYWOOD ELEMENTARY SCHOOL DISTRICT
1666 MARGUERITE AVE
CORNING, CA 96021

ARCHITECT

ENGINEER
REGISTERED PROFESSIONAL ENGINEER
No. E22549
ELECTRICAL
STATE OF CALIFORNIA

| REVISIONS: | | |
|------------|---|---|
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |
| △ | - | - |

FOR DSA APPROVAL

JOB No.: 25241
DATE: 3/4/26
SHEET No.:
FA4.1
FIRE ALARM DETAILS



C:\Users\eytibe\Desktop\Revit\local files\2260.144 Maywood ES FA Mod\2260.144_E_Maywood ES FA Modernization_ET_L26.rvt 3/3/2026 10:32:09 AM