MT. DIABLO UNIFIED SCHOOL DISTRICT
Purchasing Department
2326 Bisso Lane, Concord, CA 94520
(925) 825-7440, ext. 3740
(925) 687-5044 fax

ADDENDUM NO.: ONE (Mt. Diablo Elementary)

DATE: April 16, 2024

PROJECT: BID #1940 Modernization of Three Elementary School Campuses, Phase 1

BID DUE DATE: 4/29/24 at 10:00 a.m.

NOTICE TO ALL CONTRACTORS SUBMITTING BIDs FOR THIS WORK AND TO ALL PLAN HOLDERS:

You are hereby notified of the following changes, clarifications or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and subsequent Addenda. This Addendum shall supersede the original Contract Documents, and previous Addenda wherein it contradicts the same and shall take precedence over anything to the contrary therein. All other conditions remain unchanged. It is the responsibility of the Contractor to notify all sub-contractors from who he accepts bids for all changes in the drawings and specifications covering this project.
Receipt of this addendum shall be acknowledged by inserting the addendum number and its date on the BID form.

CONFORMANCE WITH CONTRACT DOCUMENTS, PROJECT MANUAL DRAWINGS AND SPECIFICATIONS:

All addenda work shall be in strict conformance with the Contract Documents, Project Manual, Drawings and Specifications as they pertain to work of a similar nature.

REVISIONS/CLARIFICATIONS TO THE RFP DOCUMENTS AND SPECIFICATIONS

****SEE ATTACHMENT FOR QUESTIONS AND RESPONSES****

Elizabeth McClanahan
Director of Purchasing and Warehouse

END OF ADDENDUM

DOCUMENT 00 91 13

ADDENDA

NOTICE TO ALL BIDDERS: THE FOLLOWING MODIFICATIONS, ADDITIONS, DELETIONS, CLARIFICATIONS AND/OR INFORMATION ARE HEREBY MADE PART OF THE CONTRACT DOCUMENTS. ADDENDUM MUST BE ACKNOWLEGDED AS PART OF THE BIF FORM.

1. **RFI QUESTIONS**

    1) Will the list of prequalified contractors be posted?
        (a) Yes. A list of contractors that prequalified prior to the cutoff date will be posted with all bid documents to the districts webpage, https://www.mdusd.org/departments/business-services/purchasing-warehouse/bid-information/construction-bids

    2) Is there any opportunity to extend the RFI date, to sometime after bid walk?
        (a) Questions received less than ten (10) calendar days prior to the date for opening Bids may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. . All questions about the meaning or intent of the Contract Documents are to be directed in writing to the District representative, Mike Torres via email at mike.torres@6dpmcm.com. Interpretations or clarifications considered necessary by the District in response to those questions will be issued in writing by Addenda faxed, mailed, or delivered to all parties recorded by the District as having received the Contract Documents.

2. **Architect Specification and/or Drawing Clarifications – Addendum No. 1: Mt. Diablo Unified School District Mt. Diablo Elementary School Increment 1**

END OF SECTION

ADDENDUM NO. 1

Project: Mt Diablo Unified School District
Mt Diablo Elementary School
Increment 1
19six #: 23120
DSA #: 01-121407 File #: 7-29

Date: April 16, 2024

To all bidders submitting proposals for the above captioned project. This Addendum is hereby included in the Contract Documents to the same extent as though it were originally included therein. The following items modify, add to, delete from, or explain the drawings and/or specifications. The contents of this Addendum shall take precedence over the original specifications and plans.

Note: All drawing revisions have been clouded with an "A" which indicates changes captured in addendum 01

A. NEW SPECIFICATIONS

ITEM 1. None

B. NEW DRAWINGS

ITEM 1. None

C. CHANGES TO SPECIFICATIONS

ITEM 1. 08 10 00 Hardware

- Added new hardware group 03

D. CHANGES TO DRAWINGS

ITEM 1. 1A-022 BUILDING 5 ADMIN DEMOLITION FLOOR AND REFLECTED CEILING PLAN

- Demolition Interior Door at Conference Room 517

ITEM 2. 1A-202 BUILDING 5 ADMIN - FLOOR AND REFLECTED CEILING PLAN

- New Interior Door at Conference Room 517

ITEM 3. 1A-205 BUILDING 7&8 FLOOR & ROOF PLAN

- Indication of (E) Fire Extinguisher to remain at Room 7

ITEM 4. 1A-801 DOOR SCHEDULE

- Update to Door Schedule – New Door at Conference Room 517
- Update to Legend - Door Notes
- New Door type D added

ITEM 5. 1F001 SCHEDULES

- Modified FAS Battery Calculation "(E) FACP" Building 5 Table
- Removed FAS Battery Calculation "(E) BPS#7" Building 7 Table

ITEM 6. 1F301 DETAILS

- Modified Diagram (E) CKT "MS1"

E. ATTACHMENTS (Include all the attachments/sheets/revised specifications that have been altered)

- 08 10 00 Hardware
- A-022 BUILDING 5 ADMIN DEMOLITION FLOOR AND REFLECTED CEILING PLAN
- 1A-202 BUILDING 5 ADMIN - FLOOR AND REFLECTED CEILING PLAN
- 1A-205 BUILDING 7&8 FLOOR & ROOF PLAN
- 1A-205 BUILDING 7&8 FLOOR & ROOF PLAN
- 1A-801 DOOR SCHEDULE
- 1F001 SCHEDULES
- 1F301 DETAILS

Mariana Alvarez Parga C-36107

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions of Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.
B. This Section includes the following, but is not necessarily limited to:

1. Door Hardware, including electric hardware.
2. Thresholds, gasketing and weather-stripping.

1.03 REFERENCES (USE DATE OF STANDARD IN EFFECT AS OF BID DATE.)

A. 2022 California Building Code, CCR, Title 24.
B. BHMA – Builders' Hardware Manufacturers Association
C. CCR – California Code of Regulations, Title 24, Part 2, California State Accessibility Standards.
D. DHI – Door and Hardware Institute
E. NFPA - National Fire Protection Association.

1. NFPA 80 - Fire Doors and Other Opening Protectives
2. NFPA 105 - Smoke and Draft Control Door Assemblies

F. UL - Underwriters Laboratories.

1. UL 10C - Fire Tests of Door Assemblies
2. UL 305 - Panic Hardware

G. WHI - Warnock Hersey Incorporated
H. SDI - Steel Door Institute

1.04 SUBMITTALS & SUBSTITUTIONS

A. General: Submit in accordance with Conditions of the Contract and Division 1 Specification sections.
B. Submit product data (catalog cuts) including manufacturers' technical product information for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
C. Submit six (6) copies of schedule organized vertically into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Include following information:

1. Include a Cover Sheet with;
   a. Job Name, location, telephone number.
   b. Architects name, location and telephone number.
   c. Contractors name, location, telephone number and job number.
   d. Suppliers name, location, telephone number and job number.
   e. Hardware consultant's name, location and telephone number.
2. Job Index information included;

a. Numerical door number index including; door number, hardware heading number and page number.
b. Complete keying information (referred to DHI hand-book "Keying Systems and Nomenclature"). Provision should be made in the schedule to provide keying information when available; if it is not available at the time the preliminary schedule is submitted.
c. Manufacturers' names and abbreviations for all materials.
d. Explanation of abbreviations, symbols, and codes used in the schedule.
e. Mounting locations for hardware.
f. Clarification statements or questions.
g. Catalog cuts and manufacturer's technical data and instructions.

3. Vertical schedule format sample:

Heading Number 1 (Hardware group or set number – HW -1)						
			(a) 1 Single Door #1 - Exterior from Corridor 101		(b) 90°	(c) RH
				(d) 3' 0"x7' 0" x 1-3/4" x (e) 20 Minute (f) WD x HM		
(g) 1	(h)	(i) ea		(j) Hinges - (k) 5BB1HW 4.5 x 4.5 NRP (l) ½ TMS	(m) 626	(n) IVE
2	6AA	1 ea		Lockset - ND50PD x RHO x RH x 10-025 x JTMS	626	SCH

(a) - Single or pair with opening number and location. (b) - Degree of opening (c) - Hand of door(s) (d) - Door and frame dimensions and door thickness. (e) - Label requirements if any. (f) - Door by frame material. (g) - (Optional) Hardware item line #. (h) - Keyset Symbol. (i) - Quantity. (j) - Product description. (k) - Product Number. (l) - Fastenings and other pertinent information. (m) - Hardware finish codes per ANSI A156.18. (n) - Manufacture abbreviation.

D. Make substitution requests in accordance with Division 1. Substitution requests must be made prior to bid date. Include product data and indicate benefit to the project. Furnish samples of any proposed substitution.
E. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks has been fulfilled.
F. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
G. Furnish as-built/as-installed schedule with close-out documents, including keying schedule and transcript, wiring/riser diagrams, manufacturers' installation and adjustment and maintenance information.
H. Fire Door Assembly Testing: Submit a written record of each fire door assembly to the Owner to be made available to the Authority Having Jurisdiction (AHJ) for future building inspections.
I. LEED Certification Points: Submit information and certifications necessary to achieve maximum points for LEED certification; coordinate and cooperate with Owner and Architect in providing information necessary for required LEED rating.

1.05 QUALITY ASSURANCE

A. Obtain each type of hardware (latch and lock sets, hinges, closers, exit devices, etc.) from a single manufacturer.
B. Supplier Qualifications: A recognized architectural door hardware supplier, with warehousing facilities in the project's vicinity, that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this project

and that employs an experienced architectural hardware consultant (AHC) who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work, for consultation.

1. Responsible for detailing, scheduling and ordering of finish hardware.
2. Meet with Owner to finalize keying requirements and to obtain final instructions in writing.
3. Stock parts for products supplied and are capable of repairing and replacing hardware items found defective within warranty periods.

C. Hardware Installer: Company specializing in the installation of commercial door hardware with five years documented experience.

D. Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and tested by UL or Warnock Hersey for given type/size opening and degree of label. Provide proper latching hardware, door closers, approved-bearing hinges and seals whether listed in the Hardware Schedule or not.

1. Where emergency exit devices are required on fire-rated doors, (with supplementary marking on doors' UL labels indicating "Fire Door to be Equipped with Fire Exit Hardware") provide UL label on exit devices indicating "Fire Exit Hardware".

E. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort.

F. Product packaging to be labelled in compliance with CA Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986.

1.06 DELIVERY, STORAGE AND HANDLING

A. Coordinate delivery of packaged hardware items to the appropriate locations (shop or field) for installation.

B. Hardware items shall be individually packaged in manufacturers’ original containers, complete with proper fasteners. Clearly mark packages on outside to indicate contents and locations in hardware schedule and in work.

C. Provide locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, etc.

D. Contractor to inventory door hardware jointly with representatives of hardware supplier and hardware installer until each all are satisfied that count is correct.

1.07 WARRANTY

A. Provide warranties of respective manufacturers’ regular terms of sale from day of final acceptance as follows:

1. Locksets: Ten (10) years.
2. Closers: Thirty (30) years.
3. Exit devices: Three (3) years.
4. All other hardware: Two (2) years.

1.08 MAINTENANCE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

1.09 PRE-INSTALLATION CONFERENCE

A. Convene a pre-installation conference at least one week prior to beginning work of this section.

B. Attendance: Architect, Construction Manager, Contractor, Security Contractor, Hardware Supplier, Installer, Key District Personnel, and Project Inspector.

C. Agenda: Review hardware schedule, products, installation procedures and coordination required with related work. Review District's keying standards.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

Item	Manufacturer	Acceptable Substitutes
Hinges	Ives	Hager, Stanley, McKinney
Locks, Latches & Cylinders	Schlage	Or Approved Equal
Exit Devices	Von Duprin	Or Approved Equal
Closers	LCN	Or Approved Equal
Protection Plates	Ives	Trimco, BBW, DCI
Stops	Ives	Trimco, BBW, DCI
Overhead Stops	Glynn-Johnson	Or Approved Equal
Thresholds	Zero	Pemko, National Guard
Seals & Bottoms	Zero	Pemko, National Guard

2.02 MATERIALS

A. Hinges: Exterior out-swinging door butts shall be non-ferrous material and shall have stainless steel hinge pins. All doors to have non-rising pins.

1. Hinges shall be sized in accordance with the following:
   a. Height:
      1. Doors up to 42" wide: 4-1/2" inches.
      2. Doors 43" to 48" wide: 5 inches.
   b. Width: Sufficient to clear frame and trim when door swings 180 degrees.
   c. Number of Hinges: Furnish 3 hinges per leaf to 7'-5" in height. Add one for each additional 2 feet in height.
2. Furnish non-removable pins (NRP) at all exterior out-swing doors and interior key lock doors with reverse bevels.

B. Continuous Hinges: As manufactured by Ives, an Allegion Company. UL rated as required.

C. Heavy Duty Cylindrical Locks and Latches: Schlage "ND" Series as scheduled with "Rhodes" design, fastened with through-bolts and threaded chassis hubs.

1. Provide cylindrical locksets exceeding the ANSI/BHMA A156.2 Grade 1 performance standards for strength, security, and durability in the categories below:
   a. Abusive Locked Lever Torque Test – minimum 3,100 inch-pounds without gaining access
   b. Offset lever pull – minimum 1,600 foot pounds without gaining access
   c. Vertical lever impact – minimum 100 impacts without gaining access

2. Cycle life - tested to minimum 16 million cycles per ANSI/BHMA A156.2 Cycle Test with no visible lever sag or use of performance aids such as set screws or spacers
3. UL 10C for 4'-0" x 10'-0" 3-hour fire door.
4. Cylinders: Refer to "KEYING" article, herein.
5. Provide solid steel anti-rotation through bolts and posts to control excessive rotation of lever.
6. Provide lockset that allows lock function to be changed to over twenty other common functions by swapping easily accessible parts.
7. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw capable of UL listing of 3 hours on a 4' x 10' opening. Provide proper latch throw for UL listing at pairs.
8. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
9. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
10. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
11. Provide wired electrified options as scheduled in the hardware sets.
    a. 12 through 24 volt DC operating capability, auto-detecting
    b. Selectable EL (fail safe)/EU (fail secure) operating mode via switch on chassis
    c. 0.230A (230mA) maximum current draw
    d. 0.010A (10mA) holding current
    e. Modular / "plug in" request to exit switch
12. Lever Trim: Solid cast levers without plastic inserts, and wrought roses on both sides.

D. Deadlocks: Rotating cylinder trim rings of attack-resistant design. Mounting plates and actuator shields of plated cold-rolled steel. Mounting screws of ¼" diameter steel and protected by drill-resistant ball bearings. Steel alloy deadbolt with hardened steel roller. Strike alloy deadbolt with reinforcer and two 3" long screws. ANSI A156.5, 2001 Grade 1 certified.

E. Exit devices: Von Duprin as scheduled.

1. Provide certificate by independent testing laboratory that device has completed over 1,000,000 cycles and can still meet ANSI/BHMA A156.3 - 2001 standards.
2. All internal parts shall be of cold-rolled steel with zinc dichromate coating.
3. Mechanism case shall have an average thickness of .140".
4. Compression spring engineering.
5. Non-handed basic device design with center case interchangeable with all functions.
6. All devices shall have quiet return fluid dampeners.
7. All latchbolts shall be deadlocking with ¾" throw and have a self-lubricating coating to reduce friction and wear.
8. Device shall bear UL label for fire and or panic as may be required.
9. All surface strikes shall be roller type and utilize a plate underneath to prevent movement.
10. Lever Trim: "Breakaway" design, forged brass or bronze escutcheon with a minimum of .130" thickness, match lockset lever design.
11. Removable Mullions: Removable with single turn of building key. Securely reinstalled without need for key.
12. Furnish glass bead kits for vision lites where required.
13. All Exit Devices to be sex-bolted to the doors.
14. Panic Hardware shall comply with CBC Section 11B.404.2.7 and shall be mounted between 34" and 44" above the finished floor surface.
    a. Provide exit devices UL certified to meet maximum 5 pound requirements according to the California Building Code section 11B-309.4, and UL listed for Panic Exterior Fire Exit Hardware.

F. Closers: LCN as scheduled. Place closers inside building, stairs, room, etc.

1. Door closer cylinders shall be of high strength cast iron construction with double heat treated pinion shaft to provide low wear operating capabilities of internal parts throughout the life of the installation. All door closers shall be tested to ANSI/BHMA A156.4 test requirements by a BHMA certified testing laboratory. A written certification showing successful completion of a minimum of 10,000,000 cycles must be provided.
2. All door closers shall be fully hydraulic and have full rack and pinion action with a shaft diameter of a minimum of 11/16 inch and piston diameter of 1 inch to ensure longevity and durability under all closer applications.
3. All parallel arm closers shall incorporate one piece solid forged steel arms with bronze bushings. 1-9/16” steel stud shoulder bolts, shall be incorporated in regular arms, hold-open arms, arms with hold open and stop built in. All other closers to have forged steel main arms for strength, durability, and aesthetics for versatility of trim accommodation, high strength and long life.
4. All parallel arm closers so detailed shall provide advanced backcheck for doors subject to severe abuse or extreme wind conditions. This advanced backcheck shall be located to begin cushioning the opening swing of the door at approximately 45 degrees. The intensity of the backcheck shall be fully adjustable by tamper resistant non-critical screw valve.
5. Closers shall be installed to permit doors to swing 180 degrees.
6. All closers shall utilize a stable fluid withstanding temperature range of 120 degrees F. to -30 degrees F. without requiring seasonal adjustment of closer speed to properly close the door.
7. Provide the manufactures drop plates, brackets and spacers as required at narrow head rails and special frame conditions. NO wood plates or spacers will be allowed.
8. Maximum effort to operate closers shall not exceed 5 lbs., such pull or push effort being applied at right angles to hinged doors. Compensating devices or automatic door operators may be utilized to meet the above standards. When fire doors are required, the maximum effort to operate the closer may be increased but shall not exceed 15 lbs. when specifically approved by fire marshal. All closers shall be adjusted to operate with the minimum amount of opening force and still close and latch the door. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position. Per 11B-404.2.8.1, door shall take at least 5 seconds to move from an open position of 90 degrees to a position of 12 degrees from the latch jamb.

G. Door Stops:

1. Unless otherwise noted in Hardware Sets, provide wall type with appropriate fasteners. Where wall type cannot be used, provide floor type. If neither can be used, provide overhead type.
2. Do not install floor stops more than four (4) inches from the face of the wall or partition (CBC Section 11B-307).
3. Overhead stops shall be made of stainless steel and non-plastic mechanisms and finished metal end caps. Field-changeable hold-open, friction and stop-only functions.

H. Protection Plates: Fabricate either kick, armor, or mop plates with four beveled edges. Provide kick plates 10" high and 2" LDW. Sizes of armor and mop plates shall be listed in the Hardware Schedule. Furnish with machine or wood screws of bronze or stainless to match other hardware.

I. Thresholds: As Scheduled and per details.

1. Thresholds shall not exceed 1/2" in height, with a beveled surface of 1:2 maximum slope.
2. Set thresholds in a full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements in Division 7 “Thermal and Moisture Protection”.
3. Use ¼” fasteners, red-head flat-head sleeve anchors (SS/FHSL).
4. Thresholds shall comply with CBC Section 11B-404.2.5.

J. Seals: Provide silicone gasket at all rated and exterior doors.

1. Fire-rated Doors, Resilient Seals: UL10C Classified complies with NFPA 80 & NFPA 252. Coordinate with selected door manufacturers' and selected frame manufacturers' requirements.
2. Fire-rated Doors, Intumescent Seals: Furnished by selected door manufacturer. Furnish fire-labeled opening assembly complete and in full compliance with UL10C Classified complies with NFPA 80 & NFPA 252. Where required, intumescent seals vary in requirement by door type and door manufacture -- careful coordination required.
3. Smoke & Draft Control Doors, Provide UL10C Classified complies with NFPA 80 & NFPA 252 for use on “S” labeled Positive Pressure door assemblies.

K. Door Shoes & Door Top Caps: Provide door shoes at all exterior wood doors and top caps at all exterior out-swing doors.

L. Silencers: Furnish silencers for interior hollow metal frames, 3 for single doors, 2 for pairs of doors. Omit where sound or light seals occurs, or for fire-resistive-rated door assemblies.

2.03 KEYING

A. Furnish a Proprietary Schlage masterkey system as directed by the owner or architect. Key system to be designated and combinated by the Schlage Master Key Department even if pinned by the Authorized Key Center, Authorized Security Center or a local authorized commercial dealer.

B. A detailed keying schedule is to be prepared by the owner and/or architect in consultation with a representative of Allegion or an Authorized Key Center or Authorized Security Center. Each keyed cylinder on every keyed lock is to be listed separately showing the door #, key group (in BHMA terminology), cylinder type, finish and location on the door.

C. Establish a new masterkey system for this project as directed by the keying schedule.

D. Furnish all cylinders in the Schlage Full Size Interchangeable Core (FSIC). Pack change keys independently (PKI)

E. Furnish construction keying for doors requiring locking during construction.

F. Furnish all keys with visual key control.

1. Stamp key “Do Not Duplicate”.
2. Stamp (BHMA) key symbol on key.

G. Furnish all cylinders with visual key control.

1. Stamp (BHMA) key symbol on side of cylinder (CKC).

H. Furnish mechanical keys as follows:

1. Furnish 2 cut change keys for each different change key code.
2. Furnish 1 uncut key blank for each change key code.
3. Furnish 6 cut masterkeys for each different masterkey set.
4. Furnish 3 uncut key blanks for each masterkey set.
5. Furnish 2 cut control keys cut to the top masterkey for permanent I/C cylinders.
6. Furnish 1 cut control key cut to each SKD combination.

I. Furnish Schlage Padlocks and the cylinders to tie them into the masterkey system for gates, storage boxes, utility valve security, roof hatches and roll-up doors keyed as directed in the keying schedule.

1. Furnish KS43G3200 padlock for use with FSIC Schlage cylinders. Furnish 23-030 (Classic / Everest) or 20-740 (PrimusXP) with above.

J. Furnish one Schlage cabinet lock for each cabinet door or drawer so designated on the drawings or keying schedule to match the masterkey system.

1. Furnish CL77R for use with FSIC Schlage cylinders.

2.04 FINISHES

A. Generally to be satin chrome US26D (626 on bronze and 652 on steel) unless otherwise noted.
B. Furnish push plates, pull plates and kick or armor plates in satin stainless steel US32D (630) unless otherwise noted.
C. Door closers shall be powder-coated to match other hardware, unless otherwise noted.
D. Aluminum items to be finished anodized aluminum except thresholds which can be furnished as standard mill finish.

2.05 FASTENERS

A. Screws for strikes, face plates and similar items shall be flat head, countersunk type, provide machine screws for metal and standard wood screws for wood.
B. Screws for butt hinges shall be flathead, countersunk, full-thread type.
C. Fastening of closer bases or closer shoes to doors shall be by means of sex bolts and spray painted to match closer finish.
D. Provide expansion anchors for attaching hardware items to concrete or masonry.
E. All exposed fasteners shall have a phillips head.
F. Finish of exposed screws to match surface finish of hardware or other adjacent work.
G. All Exit Devices and Lock Protectors shall be fastened to the door by the means of sex bolts or through bolts.

PART 3 - EXECUTION

3.01 INSPECTION

A. Verify that doors and frames are square and plumb and ready to receive work and dimensions are as instructed by the manufacturer.
B. Beginning of installation means acceptance of existing conditions.
C. Fire-Rated Door Assembly Inspection: Upon completion of the installation, all fire door assemblies shall be inspected to confirm proper operation of the closing device and latching device and that only the manufacturer’s furnished fasteners are used for installation and that it meets all criteria of a fire door assembly per NFPA 80 (Standard for Fire Doors and Other Opening Protectives) 2018 Edition. A written record shall be maintained and transmitted to the Owner to be made available to the Authority Having Jurisdiction (AHJ). The inspection of the swinging fire doors shall be performed by a certified FDAI (Fire Door Assembly Inspector) with knowledge and understanding of the operating components of the type of door being subjected to the inspection. The record shall list each fire door assembly throughout the project and include each door number, an itemized list of hardware set components at each door opening, and each door location in the facility.

3.02 INSTALLATION

A. Install hardware in accordance with manufacturer's instructions and requirements of DHI.
B. Use the templates provided by hardware item manufacturer.
C. Mounting heights for hardware shall be as recommended by the Door and Hardware Institute. Operating hardware will to be located between 34" and 44" AFF.
D. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
E. Drill and countersink units that are not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.
F. Set thresholds for exterior doors in full bed of butyl-rubber sealant.
G. If hand of door is changed during construction, make necessary changes in hardware at no additional cost.

3.03 ADJUST AND CLEAN

A. Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.
B. Clean adjacent surface soiled by hardware installation.
C. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy, return to that work area and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.
D. Instruct Owner's Personnel in proper adjustment and maintenance of hardware finishes, during the final adjustment of hardware.
E. Continued Maintenance Service: Approximately six months after the completion of the project, the Contractor accompanied by the Architectural Hardware Consultant, shall return to the project and re-adjust every item of hardware to restore proper functions of doors and hardware. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware.

3.04 HARDWARE LOCATIONS

A. Conform to CCR, Title 24, Part 2; and ADAAG; and the drawings for access-compliant positioning requirements for the disabled.

3.05 FIELD QUALITY CONTROL

A. Contractor is responsible for providing the services of an Architectural Hardware Consultant (AHC) or a proprietary product technician to inspect installation and certify that hardware and its installation have been furnished and installed in accordance with manufacturers' instructions and as specified herein.

3.06 SCHEDULE

A. The items listed in the following schedule shall conform to the requirements of the foregoing specifications.
B. While the hardware schedule is intended to cover all doors, and other movable parts of the building, and establish type and standard of quality, the contractor is responsible for examining the Plans and Specifications and furnishing proper hardware for all openings whether listed or not. If there are any omissions in hardware groups in regard to regular doors they shall be called to the attention of the Architect prior to bid opening for instruction; otherwise, list will be considered Complete. No extras will be allowed for omissions.
C. The Door Schedule on the Drawings indicates which hardware set is used with each door.

Manufacturers Abbreviations (Mfr.)

GLY	=	Glynn-Johnson Corporation	Overhead Door Stops
IVE	=	Ives	Hinges, Protection Plates & Door Stops
LCN	=	LCN	Door Closers
SCH	=	Schlage Lock Company	Locks, Latches & Cylinders
VON	=	Von Duprin	Exit Devices
ZER	=	Zero International	Thresholds, Gasketing & Weather-stripping

HARDWARE GROUP NO. 01

1	EA	CONT. HINGE	224XY	628	IVE
1	EA	PANIC HARDWARE	CDSI-PA-AX-99-L-KC-06	626	VON
1	EA	RIM CYLINDER	20-057 ICX	626	SCH
1	EA	MORTISE CYLINDER	26-091 ICX XQ11-948	626	SCH
2	EA	INTERCHANGEABLE CORE	VERIFY PERMANENT CORE WITH DISTRICT	626	
1	EA	OH STOP	100S (ONLY @ LOCATIONS WHERE FS18S CAN'T BE USED)	630	GLY
1	EA	SURFACE CLOSER	4040XP EDA TB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS18S	BLK	IVE
1	EA	RAIN DRIP	142AA (OMIT WHERE OVERHANG OCCURS)	AA	ZER
1	EA	DOOR SWEEP	328AA	AA	ZER
1	SET	HEAD & JAMB SEALS	328AA-S	AA	ZER
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	THRESHOLD	PER DETAIL		

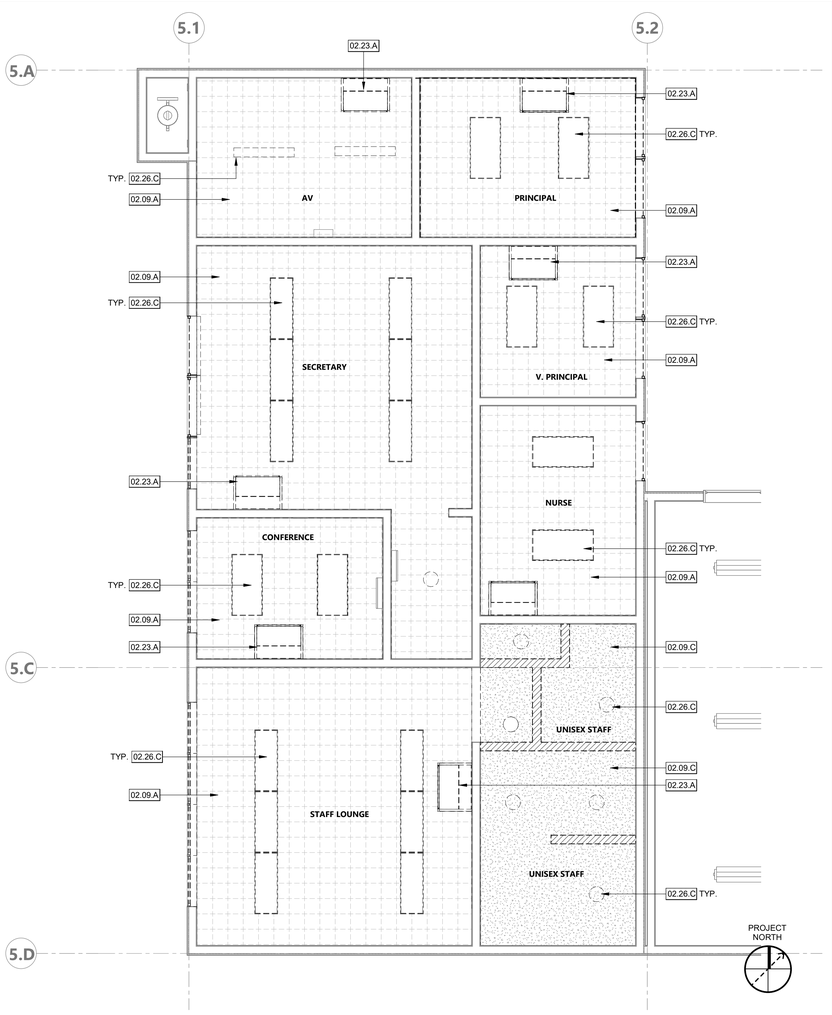
HARDWARE GROUP NO. 02

1	EA	CONT. HINGE	224XY	628	IVE
1	EA	VANDL VESTIBULE LOCK	ND93TD RHO XN12-035	626	SCH
2	EA	INTERCHANGEABLE CORE	VERIFY PERMANENT CORE WITH DISTRICT	626	
1	EA	LOCK GUARD	LG12	630	IVE
1	EA	OH STOP	100S (ONLY @ LOCATIONS WHERE FS18S CAN'T BE USED)	630	GLY
1	EA	SURFACE CLOSER	4040XP EDA TB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS18S	BLK	IVE
1	EA	RAIN DRIP	142AA (OMIT WHERE OVERHANG OCCURS)	AA	ZER
1	EA	DOOR SWEEP	328AA	AA	ZER
1	SET	HEAD & JAMB SEALS	328AA-S	AA	ZER
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	THRESHOLD	PER DETAIL		

HARDWARE GROUP NO. 03

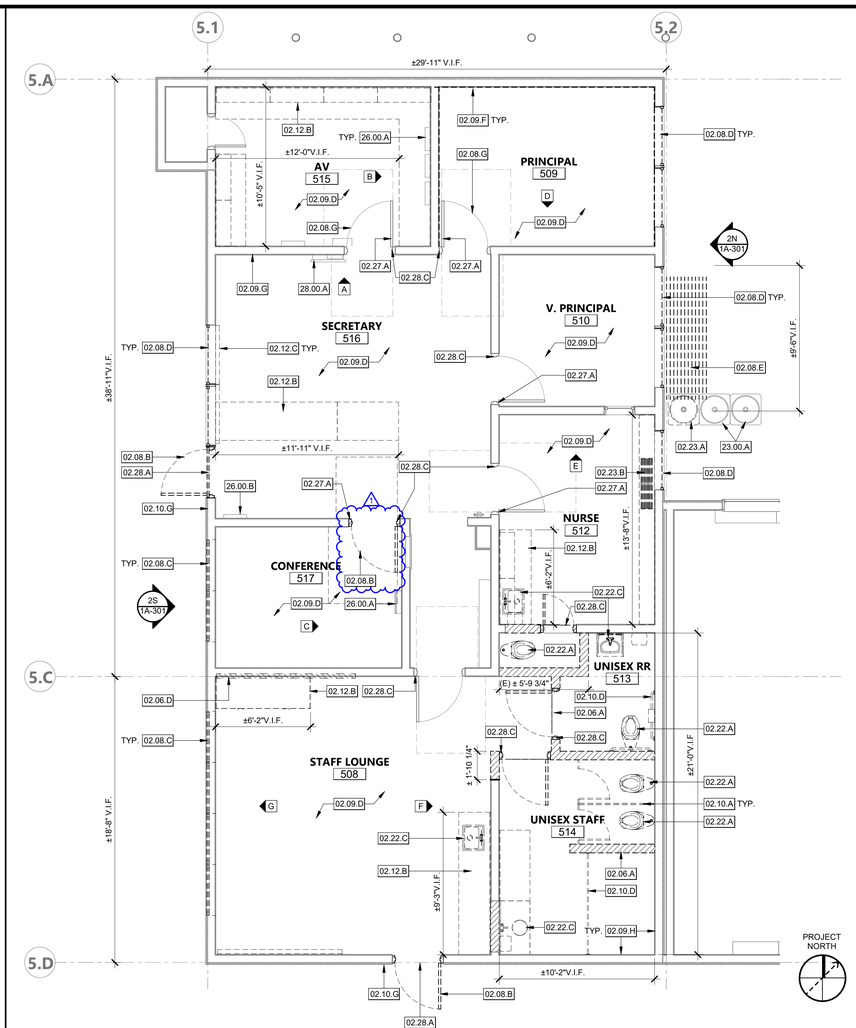
1	EA	CONT. HINGE	224XY	628	IVE
1	EA	VANDL VESTIBULE LOCK	ND93TD RHO XN12-035	626	SCH
2	EA	INTERCHANGEABLE CORE	VERIFY PERMANENT CORE WITH DISTRICT	626	
1	EA	LOCK GUARD	LG12	630	IVE
1	EA	OH STOP	100S (ONLY @ LOCATIONS WHERE FS18S CAN'T BE USED)	630	GLY
1	EA	SURFACE CLOSER	4040XP EDA TB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS (VERIFY USE ON FRPD DOORS)	630	IVE
1	EA	FLOOR STOP	FS18S	BLK	IVE
1	EA	RAIN DRIP	142AA (OMIT WHERE OVERHANG OCCURS)	AA	ZER
1	EA	DOOR SWEEP	328AA	AA	ZER
1	SET	HEAD & JAMB SEALS	328AA-S	AA	ZER
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	THRESHOLD	PER DETAIL		

END OF SECTION



BUILDING 5 ADMIN - DEMO REFLECTED CEILING PLAN

1/4" = 1'-0" | 2



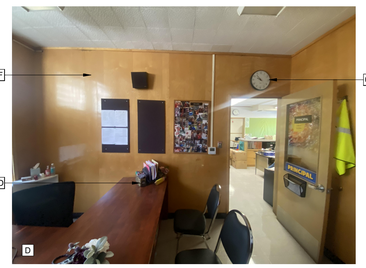
BUILDING 5 ADMIN - ENLARGED DEMOLITION PLAN

1/4" = 1'-0" | 1















BLDG 5 ADMIN DEMO PHOTOS

12" = 1'-0" | 3

KEYNOTES.

02.06.A	(E) WALL & DOOR (WHERE OCCURS) TO BE DEMOLISHED
02.06.D	REMOVE PORTION OF WALL FINISHES AND SHEATHING AS NEEDED FOR REMOVE AND INSTALLATION OF CASEWORK BLOCKING, SEE 1A-202 & 1A-602 FOR NEW WORK
02.08.B	(E) DOOR TO BE DEMOLISHED. EXISTING WOOD FRAME TO REMAIN. SALVAGE PANIC HARDWARE AND RETURN TO DISTRICT. PREPARE FOR NEW DOOR
02.08.C	(E) CLERESTORY WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.D	(E) WINDOW AND FRAME TO BE DEMOLISHED, PROTECT (E) OPENING AND PREPARE FOR NEW WINDOW
02.08.E	(E) EXTERIOR LOUVERS TO BE DEMOLISHED
02.08.G	(E) DOOR CLOSER TO BE DEMOLISHED
02.09.A	(E) GLUE-UP CEILING TILES TO BE DEMOLISHED. PROTECT (E) 2x3 FURRING STRIPS, PREPARE FOR FUTURE CEILING TILES
02.09.C	(E) GYPSUM BOARD CEILING TO BE DEMOLISHED
02.09.D	(E) VCT FLOORING AND WALL BASE TO BE DEMOLISHED, PREPARE SUBSTRATE FOR NEW FLOORING
02.09.E	(E) TACKABLE WALL PANEL AND WOOD TRIM TO BE DEMOLISHED
02.09.F	(E) WOOD WALL PANEL AND TRIM TO BE DEMOLISHED
02.09.G	(E) WALL TRIM TO BE REMOVED
02.09.H	(E) FRP WALL PANEL TO BE REMOVED
02.10.A	(E) TOILET PARTITIONS AND TOILET ACCESSORIES TO BE DEMOLISHED
02.10.D	(E) TOILET ACCESSORIES TO BE DEMOLISHED
02.10.G	(E) DOOR ROOM ID SIGNAGE TO BE DEMOLISHED, PREPARE FOR NEW SIGN
02.12.B	(E) CABINETS, COUNTERTOPS, BACKSPLASH, BOOKSHELVES, AND RELATED ACCESSORIES TO BE DEMOLISHED
02.12.C	(E) WINDOW COVERINGS TO BE DEMOLISHED
02.12.D	(E) FURNITURE TO BE REMOVED BY DISTRICT PRIOR TO CONSTRUCTION
02.22.A	(E) TOILET TO BE DEMOLISHED, S.P.D.
02.22.C	(E) SINK AND (E) ACCESSORIES TO BE DEMOLISHED, S.P.D.
02.23.A	(E) MECHANICAL EQUIPMENT TO BE DEMOLISHED, S.M.D.
02.23.B	(E) ABANDONED FURNACE TO BE DEMOLISHED, S.M.D.
02.26.C	(E) LIGHT FIXTURES TO BE DEMOLISHED. PATCH AND PREPARE FOR NEW LIGHT FIXTURES. S.E.D.
02.27.A	(E) CLOCK TO BE REMOVED, PREPARE FOR NEW CLOCK TO BE INSTALLED. S.E.D.
02.28.A	REMOVE (E) DOOR THRESHOLDS AS NEEDED FOR REMOVAL OF (E) FLOORING. SALVAGE AND REINSTALL
02.28.C	REMOVE (E) FLOORING TRANSITION STRIPS AS NEEDED FOR REMOVAL OF (E0 FLOORING. SALVAGE AND REINSTALL
10.43.A	(E) DEFIBRILLATOR CABINET TO REMAIN, PROTECT IN PLACE
23.00.A	(E) MECHANICAL EQUIPMENT TO REMAIN, S.M.D.
26.00.A	(E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE
26.00.B	(E) ELECTRICAL PANEL, PROTECT IN PLACE, S.E.D.
28.00.A	(E) LIFE SAFETY DEVICE CONTROL SYSTEM PANEL, PROTECT IN PLACE

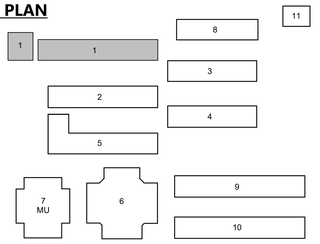
LEGEND - DEMO GENERAL NOTES

1. IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE DEMOLISHED AND REMOVED.
2. SEE SPEICIFICATIONS SECTION 02 41 19 FOR MORE DEMOLITION NOTES, REQUIREMENTS, AND PROCEDURES.
3. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND ASSESSING THE GENERAL CONDITIONS PRIOR TO SUBMITTING A BID. CONTRACTOR IS REQUIRED TO MAKE A GENERAL DETERMINATION OF ALL DEMOLITION ITEMS AND ANY DISCREPANCY WITH SITE CONDITIONS AND SCOPE IDENTIFIED ON THE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER, CONSTRUCTION MANAGER, AND ARCHITECT.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING BUILDING AND UTILITY SYSTEMS UNLESS SHOWN TO BE DEMOLISHED, INCLUDING BUT NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, SPRINKLERS, ETC.
5. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS.
6. COMPLETELY REMOVE ITEMS SCHEDULED TO BE DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID, AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE.
7. SALVAGE: AFTER CAREFULE REVIEW OF THE DRAWINGS SHOWING PROPOSED NEW CONSTRUCTION, IDENTIFY THOSE ITEMS THAT ARE GOOD CANDIDATES FOR RE-USE AND CAREFULLY REMOVE AND STOCKPILE THEM ON SITE IN A PROTECTED AREA.
8. DEMOLISHED MATERIALS SHALL BE CONSIDERED TO BE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE, UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
9. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.
10. ALL WALLS SHOWN TO BE DEMOLISHED ARE TO BE REMOVED TO THEIR FULL HEIGHT, UNLESS OTHERWISE NOTE. ALL ASSOCIATED CURBS, ANCHORS, AND FASTENERS ARE TO BE REMOVED. ALL WALL-MOUNTED ITEMS, WHETHER SHOWNR O NOT, ARE TO BE REMOVED. ALL SURFACES OF INTERSECTING FLOORS, WALLS CEILINGS, OR ROOFS TO REMAIN ARE TO BE PATCH TO MATCH THEIR ORIGINAL CONDITION.
11. EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
12. TERMINATE ALL ELECTRICAL CONDUITS CONTAINED IN WALLS TO BE DEMOLISHED PER N.E.C. 2023. CONDUITS FEEDING DEMOLISHED AREAS, BUT CONTAINED WITHIN CONSTRUCTION TO REMAIN MAY BE ABANDONED IN PLACE.
13. ALL ITEMS INDICATED FOR DEMOLITION ON THIS SHEET ARE CONSIDERED TO BE NON-STRUCTURAL. DURING DEMOLITION, EVIDENCE MAY BECOME APPARENT OF A LOAD-BEARING ITEM WHICH IS SHOWN TO BE DEMOLISHED. CONTRACTOR SHALL NOT REMOVE ANY ITEMS WHICH SHOW EVIDENCE OF CARRYING ROOF LOADS, CEILING JOIST LOADS, NOR WALLS WHICH ARE SHEATHED WITH PLYWOOD WITHOUT PRIOR APPROVAL OF THE ARCHITECT EVEN IF SUCH ITEMS ARE SHOWN TO BE DEMOLISHED HEREIN.
14. SEE PLASTER DEMOLITION & REPAIR NOTES ON A-911 PRIOR TO DEMOLITION OF PLASTER ASSEMBLIES.
15. ALL DIMENSIONS SHALL BE V.I.F.
16. NO DEMOLITION SHALL BEGIN UNTIL PLANS, INCLUDING THE DEMOLITION WORK, HAVE BEEN APPROVED BY DSA.

LEGEND - DEMOLITION

- PORTION OF (E) WALL TO BE DEMOLISHED TO INSTALL (N) BLOCKING
- (E) 2X WOOD FRAMED WALL TO BE DEMOLISHED
- (E) DOOR TO BE DEMOLISHED
- (E) DOOR & FRAME TO REMAIN AND BE PAINTED
- (E) WINDOW & FRAME TO BE DEMOLISHED
- (E) 2X WOOD FRAMED WALL TO REMAIN
- (E) 1 HOUR RATED WOOD FRAMED WALL TO REMAIN
- REFERENCE PHOTO KEY

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT
MARINA ALVAREZ PARGA
C-36107
REN. 01-31-25
STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
	03-26-2024	DSA Backcheck
1	04-15-2024	ADDENDUM

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 ADMIN - DEMOLITION FLOOR & REFLECTED CEILING PLANS

INCREMENT 1

DRAWN BY: JK JOB NUMBER: 23120.01

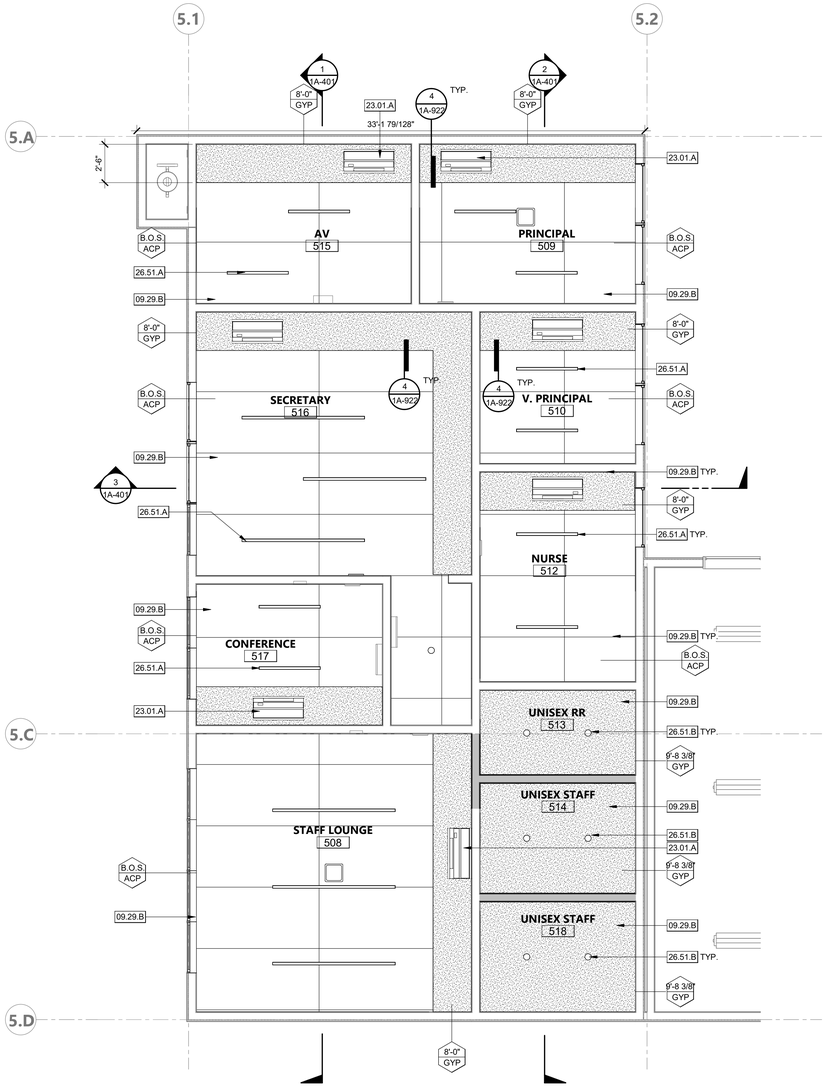
SHEET NO.

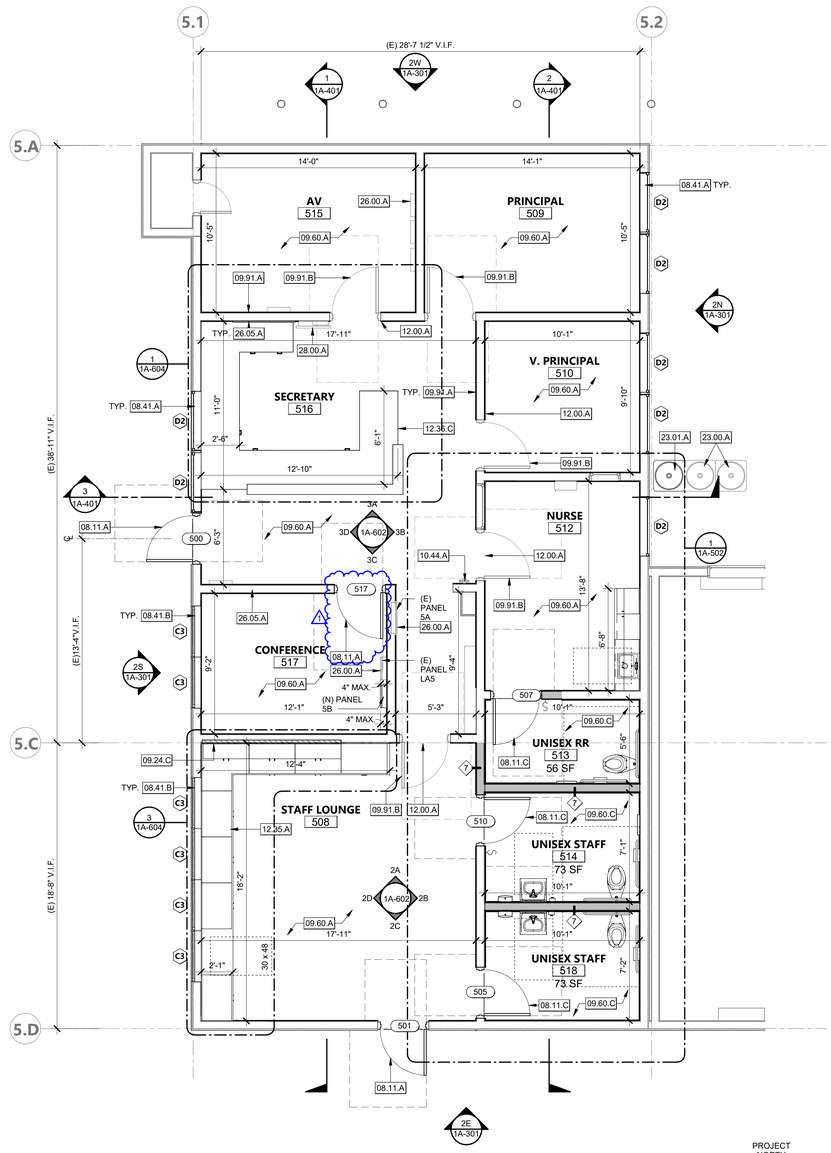
1A-022

DATE: MARCH 26, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 4/16/2024 2:03:02 PM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC01_A22.rvt





KEYNOTES.

08.11.A	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING WOOD FRAME
08.11.C	(N) DOOR AND FRAME, SEE DOOR SCHEDULE
08.41.A	(N) ALUMINUM STOREFRONT WINDOW, SEE DETAILS 16, 19, & 20/1A-821
08.41.B	(N) ALUMINUM CLERESTORY WINDOW, SEE DETAILS 16, 19, & 20/1A-821
09.24.C	PATCH AND REPAIR WALL FINISHES
09.29.B	(N) GYPSUM BOARD DIRECT MOUNT PANELS ATTACH TO (E) 2X3 FURRING STRIPS, SEE DETAIL 20/1A-922
09.60.A	(N) FLOORING AND WALL BASE THROUGHOUT, SEE FINISH SCHEDULE FOR FLOORING INFORMATION
09.60.C	(N) FLOORING AND WALL BASE THROUGHOUT. INSTALL SELF-LEVELING MORTAR AS NEEDED. SLOPE TO DRAIN, MAX. SLOPE 2% EA WAY. SEE FINISH SCHEDULE FOR FLOORING INFORMATION.
09.91.A	PAINT ALL INTERIOR SURFACES
09.91.B	PAINT (E) DOOR & FRAME
10.44.A	(E) FIRE EXTINGUISHER TO BE REMAIN, PROTECT IN PLACE
12.00.A	(E) WALL MOUNTED CLOCK, PROTECT IN PLACE
12.35.A	(N) PLASTIC LAMINATED FACED ARCHITECTURAL CABINETS, SEE 1A-931
12.36.C	(N) COUNTER AT SECRETARY. PLAM BASE AND QUARTZ COUNTERTOP. SEE DETAIL 16/1A-931, 18/1A-931
23.00.A	(E) MECHANICAL EQUIPMENT TO REMAIN, S.M.D.
23.01.A	(N) MECHANICAL EQUIPMENT, S.M.D.
26.00.A	(E) ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE
26.05.A	REMOVE, SALVAGE AND AND REINSTALL WIRE-MOLD, S.E.D.
26.51.A	(N) INTERIOR LIGHTING FIXTURE, S.E.D.
26.51.B	(N) LED LIGHTS, S.E.D.
28.00.A	(E) LIFE SAFETY DEVICE CONTROL SYSTEM PANEL, PROTECT IN PLACE

LEGEND - FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR CONSTRUCTION ON THIS PROJECT IS DESIGNATED "AIRTIGHT" FOR THE PURPOSES OF SOUND ISOLATION AND NOISE CONTROL. THE REQUIREMENTS FOR AIRTIGHT CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO, THE REQUIREMENTS DESCRIBED IN THE SPECIFICATIONS AND THE DETAILS SHOWN ON DRAWING SHEET A-901. ALL NECESSARY PRODUCTS AND DETAILING SHALL BE PROVIDED TO ACHIEVE AIRTIGHT/LEAKPROOF CONSTRUCTION, WHETHER OR NOT THOSE PRODUCTS, OR DETAILS, ARE SPECIFICALLY DESCRIBED OR SHOWN IN THE PROJECT DOCUMENTS.
2. FURNITURE N.I.C.
3. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR CENTERLINE OF COLUMN.
4. ALL EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
5. ALL EXPOSED PIPES, STRUCTURE, AND CONDUIT TO BE PAINTED.
6. FOR WALL TYPES SEE SHEET 1A-911.

LEGEND - FLOOR PLAN

ROOM NAME — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
AW — WALL TYPE TAG (1/1A-911; 7/1A-821; 20/1A-821)
101AA — DOOR TYPE TAG
A — WINDOW TYPE TAG
A 1200 TYP. (#) — EQUIPMENT SCHEDULE / EQUIPMENT MARK
RM — SIGNAGE TAG (2/1A-925)
(E) 2X WOOD FRAMED WALL TO REMAIN
(E) 1 HOUR RATED WOOD STUD WALL TO REMAIN
(N) PARTITION AND INFILL WALL (2/1A-911)
INFILL DEMOLISHED PORTION OF WALL

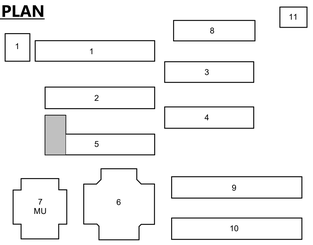
LEGEND - CEILING

12'-0" ACT — CEILING HEIGHT ABOVE FIN. FLOOR / CEILING MATERIAL
(N) 4x8 DIRECT ATTACH ACOUSTICAL PERFORATED GYPSUM CEILING PANELS (ACP), PAINTED (15/1A-922)
(N) GWB - FRAMED GYPSUM BOARD CEILING (GYP) (9/1A-922)
(E) GWB - FRAMED GYPSUM BOARD CEILING (GYP (E))
(E) ROOF ACCESS HATCH
NEW CAN LIGHT FIXTURE S.E.D.
NEW PENDANT LIGHT, S.E.D.
(E) RETURN AIR GRILLE
(E) SUPPLY REGISTER
(E) EXHAUST FAN OR GRILLE TO BE REMOVED WHERE INDICATED

NOTE: B.O.S. = BOTTOM OF STRUCTURE ALL ACP SHOULD BE MOUNTED TO THE BOTTOM OF (E) STRUCTURE. UNLESS OTHERWISE NOTED.

NOTE: SYMBOLS SHOWN FOR LOCATION PURPOSES ONLY. SEE MECHANICAL, ELECTRICAL, & FIRE PROTECTION DRAWINGS FOR DETAILED INFORMATION

KEY PLAN



AGENCY APPROVAL DSA# 01-121407

911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT MARIANA ALVAREZ PARGA C-36107 REN. 01-31-25 STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
	03-26-2024	DSA Backcheck
1	04-15-2024	ADDENDUM

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 5 ADMIN - FLOOR PLAN AND REFLECTED CEILING PLAN

INCREMENT 1

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.

1A-202

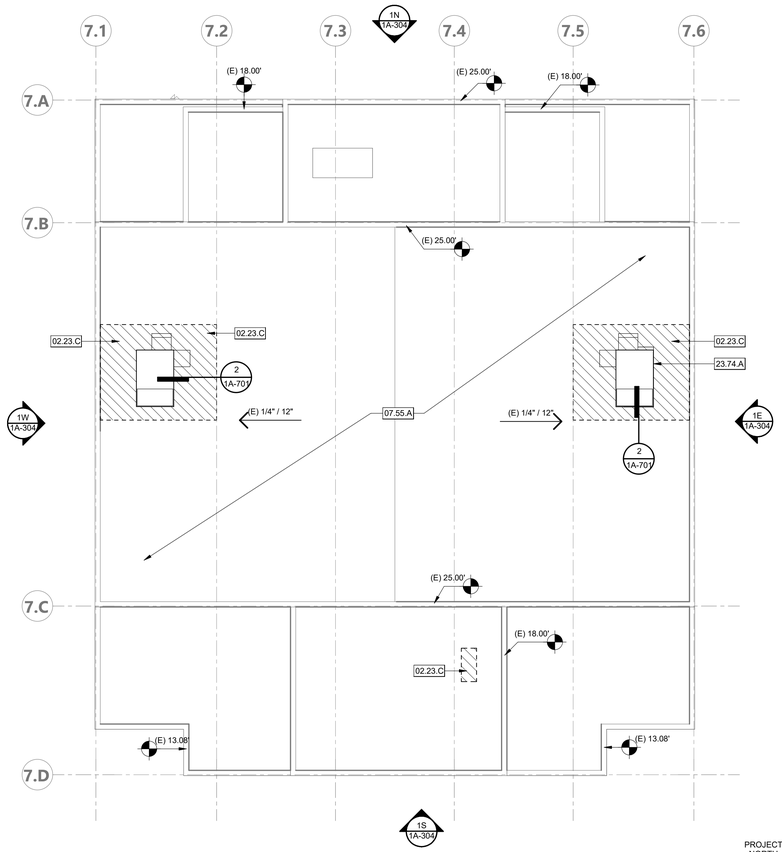
DATE: MARCH 26, 2024

CONSTRUCTION DOCUMENTS

BUILDING 5 ADMIN - REFLECTED CEILING PLAN | 1/4" = 1'-0" | 2

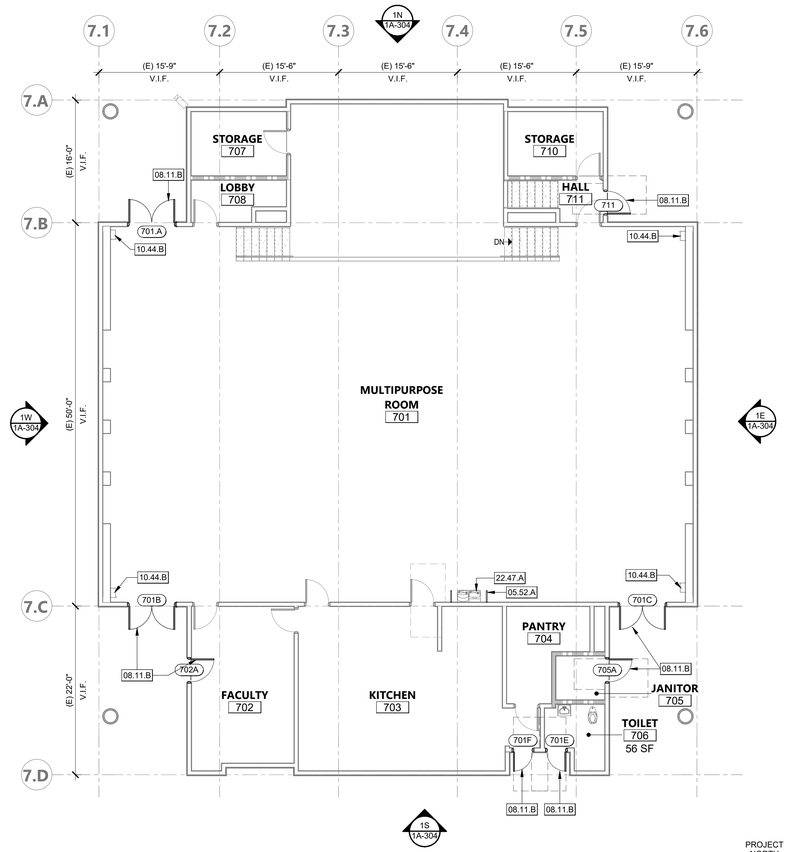
BUILDING 5 ADMIN - FLOOR PLAN | 1/4" = 1'-0" | 1

DATE PLOTTED: 4/16/2024 2:03:07 PM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC01_A22.rvt



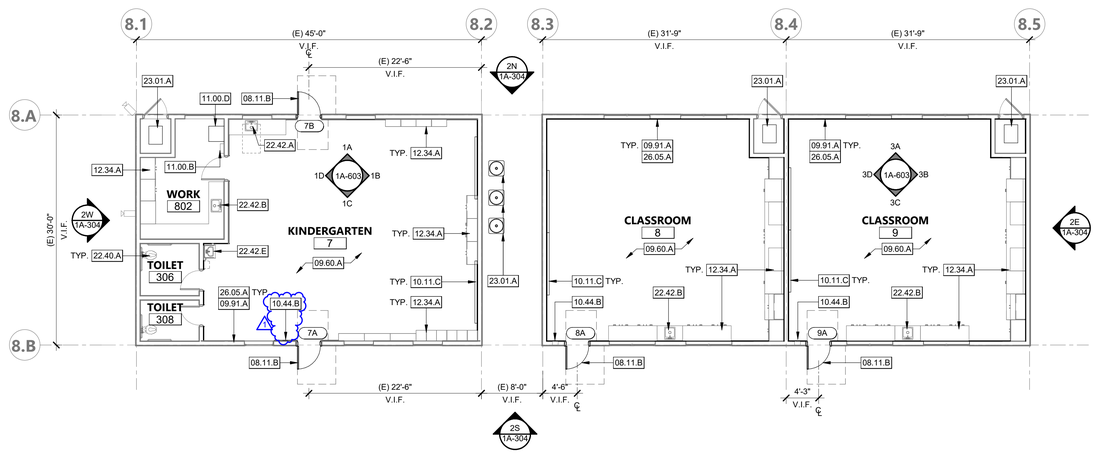
PROJECT NORTH

BUILDING 7 - ROOF PLAN | 1/8" = 1'-0" | 2



PROJECT NORTH

BUILDING 7 FLOOR PLAN | 1/8" = 1'-0" | 1



PROJECT NORTH

BUILDING 8 FLOOR PLAN | 1/8" = 1'-0" | 3

OCCUPANT CHART PER 2022 CBC TABLE 1004.5 (BLDG. 8)

ROOM #	ROOM NAME	FUNCTION	N SF	SF/OCC.	OCC. #	OCCUPANCY TYPE	MAXIMUM OCCUPANT LOAD W/ 1 EXIT TABLE 1006.2.1	MIN. CLR. DOOR EXIT WIDTH	# EXITS REQUIRED	# EXITS PROVIDED
7	KINDERGARTEN	EDUCATIONAL CLASSROOM AREA	979 SF	20 SF	49	E	49	2'-8"	2	2
8	CLASSROOM	EDUCATIONAL CLASSROOM AREA	874 SF	20 SF	44	E	49	2'-8"	1	1
9	CLASSROOM	EDUCATIONAL CLASSROOM AREA	874 SF	20 SF	44	E	49	2'-8"	1	1
OCCUPANT TOTAL:					137					

KEYNOTES.

02.23.C	CUT PORTION OF (E) ROOFING AND SHEATHING TO RECEIVE (N) BLOCKING FOR (N) HVAC. REPLACE ROOF SHEATHING AND ROOFING TO MATCH (E). REPLACE R-30 BATT INSULATION AS NEEDED. S.S.D. & S.M.D.
05.52.A	(N) ACCESSIBLE HYDRATION STATION GRAB BARS, SEE 20/1G-900
07.55.A	(E) BUR ROOFING TO REMAIN
08.11.B	(N) EXTERIOR FRP FLUSH DOOR INSTALLED IN EXISTING METAL FRAME
09.91.A	PAINT ALL INTERIOR SURFACES
10.11.C	(E) WHITEBOARDS TO BE REINSTALLED
10.44.B	(E) RECESSED FIRE EXTINGUISHER CABINET, PROTECT IN PLACE
11.00.B	(E) FIRE ALARM PANEL TO REMAIN, PROTECT IN PLACE
11.00.D	(N) IDF, SEE TECHNOLOGY DATA DRAWINGS
12.34.A	(E) CASEWORK TO REMAIN, PROTECT IN PLACE
22.40.A	(E) FLOOR MOUNTED TOILET, PROTECT IN PLACE
22.42.A	(E) ACCESSIBLE SINK TO REMAIN, PROTECT IN PLACE
22.42.B	(E) SINK TO REMAIN, PROTECT IN PLACE
22.42.E	(E) NON-ACCESSIBLE CHILDRENS SINK TO REMAIN, PROTECT IN PLACE
22.47.A	(E) HI-LOW DRINKING FOUNTAIN WITH HYDRATION STATION
23.01.A	(N) MECHANICAL EQUIPMENT, S.M.D.
23.74.A	(N) AIR CONDITIONING UNIT, S.M.D.
26.05.A	REMOVE, SALVAGE AND AND REINSTALL WIRE-MOLD, S.E.D.

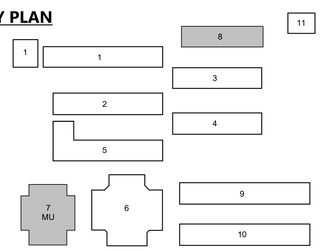
LEGEND - FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR CONSTRUCTION ON THIS PROJECT IS DESIGNATED "AIRTIGHT" FOR THE PURPOSES OF SOUND ISOLATION AND NOISE CONTROL. THE REQUIREMENTS FOR AIRTIGHT CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO, THE REQUIREMENTS DESCRIBED IN THE SPECIFICATIONS AND THE DETAILS SHOWN ON DRAWING SHEET A-901. ALL NECESSARY PRODUCTS AND DETAILING SHALL BE PROVIDED TO ACHIEVE AIRTIGHT/LEAKPROOF CONSTRUCTION, WHETHER OR NOT THOSE PRODUCTS, OR DETAILS, ARE SPECIFICALLY DESCRIBED OR SHOWN IN THE PROJECT DOCUMENTS.
2. FURNITURE N.I.C.
3. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR CENTERLINE OF COLUMN.
4. ALL EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
5. ALL EXPOSED PIPES, STRUCTURE, AND CONDUIT TO BE PAINTED.
6. FOR WALL TYPES SEE SHEET 1A-911.

LEGEND - FLOOR PLAN

ROOM NAME — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
A/B — WALL TYPE TAG (1 / 1A-911)
101AA — DOOR TYPE TAG (7 / 1A-821)
A — WINDOW TYPE TAG (20 / 1A-821)
A / 1200 TYP. (#) — EQUIPMENT SCHEDULE / EQUIPMENT MARK
RM — SIGNAGE TAG (2 / 1A-925)
(E) 2X WOOD FRAMED WALL TO REMAIN
(E) 1 HOUR RATED WOOD STUD WALL TO REMAIN
(N) PARTITION AND INFILL WALL (2 / 1A-911)
INFILL DEMOLISHED PORTION OF WALL

KEY PLAN



PROJECT NORTH

AGENCY APPROVAL DSA# 01-121407

196
911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT MARINA ALVAREZ PAGA C-36107 REN. 01-31-25 STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
	03-26-2024	DSA Backcheck
1	04-15-2024	ADDENDUM

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION

5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

BLDG 7 & 8 - FLOOR & ROOF PLAN

INCREMENT 1

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.

1A-205

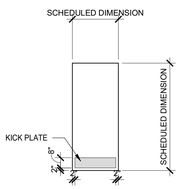
DATE: MARCH 26, 2024

CONSTRUCTION DOCUMENTS

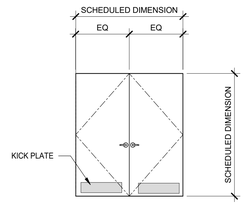
DATE PLOTTED: 4/16/2024 2:03:10 PM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC01_A22.rvt

DOOR SCHEDULE - INCREMENT 1

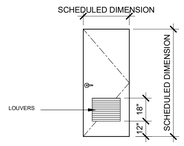
MARK	To Room: Name	FIRE RATING	SIZE			DOOR			FRAME			DETAILS			PANIC HARDWARE	HARDWARE GROUP	COMMENTS
			WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
Building 1																	
1A	KINDERGARTEN	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) HM	PW	7/1A-821	9/1A-821	4/1A-821	P.H.	01	
1B	KINDERGARTEN	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) HM	PW	7/1A-821	9/1A-821	4/1A-821	P.H.	01	
2A	KINDERGARTEN	NR	3'-4"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	P.H.	01	
2B	KINDERGARTEN	NR	3'-6"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	P.H.	01	
3A	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
3B	CLASSROOM	NR	3'-6"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
4A	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
4B	CLASSROOM	NR	3'-6"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
5A	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
5B	CLASSROOM	NR	3'-6"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
6A	CLASSROOM	NR	3'-4"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
6B	CLASSROOM	NR	3'-6"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
511	KINDERGARTEN	NR	3'-0"	7'-0"	1 3/4"	A	WD	P	A (E)	WD	PW	1/1A-821	1/1A-821	-	-	07	
Building 5																	
500	SECRETARY	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	B (E)	(E) WD	PW	6/1A-821	6/1A-821	4/1A-821	-	01	
501	STAFF LOUNGE	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) WD	PW	6/1A-821	6/1A-821	5/1A-821	-	02	
505	UNISEX STAFF	NR	3'-0"	7'-0"	1 3/4"	A	WD	P	A	(N) WD	PW	1/1A-821	1/1A-821	-	-	07	
507	NURSE	NR	3'-0"	7'-0"	1 3/4"	A	WD	P	A	(N) WD	PW	1/1A-821	1/1A-821	-	-	02	
516	UNISEX STAFF	NR	3'-0"	7'-0"	1 3/4"	A	WD	P	A	(N) WD	PW	1/1A-821	1/1A-821	-	-	07	
517	CONFERENCE	NR	3'-0"	7'-0"	1 3/4"	D	WD	P	D	(E) WD	PW	1/1A-821	1/1A-821	-	-	03	
Building 7																	
701.A	MULTIPURPOSE ROOM	NR	6'-0"	7'-0"	1 3/4"	AA	FRP	FF	AA (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	P.H.	03	
701B	MULTIPURPOSE ROOM	NR	6'-0"	7'-0"	1 3/4"	AA	FRP	FF	AA (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	P.H.	03	
701C	MULTIPURPOSE ROOM	NR	6'-0"	7'-0"	1 3/4"	AA	FRP	FF	AA (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	P.H.	03	
701E	TOILET	NR	2'-6"	6'-0"	1 3/4"	B	FRP	FF	A (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	-	04	
701F	KITCHEN	NR	2'-6"	6'-0"	1 3/4"	B	FRP	FF	A (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	-	02	
702A	FACULTY	NR	3'-0"	7'-0"	1 3/4"	A	FRP	FF	A (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	-	05	
705A	JANITOR	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	A (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	-	06	
711	HALL	NR	3'-0"	7'-0"	1 3/4"	A	FRP	FF	A (E)	(E) HM	PM	7/1A-821	10/1A-821	5/1A-821	-	01	
Building 8																	
7A	KINDERGARTEN	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	B (E)	(E) HM	PM	8/1A-821	9/1A-821	4/1A-821	P.H.	01	FRAME WITH TRANSOM
7B	KINDERGARTEN	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	B (E)	(E) HM	PM	8/1A-821	9/1A-821	4/1A-821	P.H.	01	FRAME WITH TRANSOM
8A	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	B (E)	(E) HM	PM	8/1A-821	9/1A-821	4/1A-821	-	02	FRAME WITH TRANSOM
9A	CLASSROOM	NR	3'-0"	7'-0"	1 3/4"	C	FRP	FF	B (E)	(E) HM	PM	8/1A-821	9/1A-821	4/1A-821	-	02	FRAME WITH TRANSOM



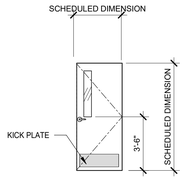
DOOR TYPE 'A'



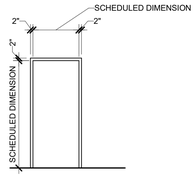
DOOR TYPE 'AA'



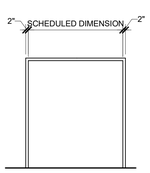
DOOR TYPE 'B'



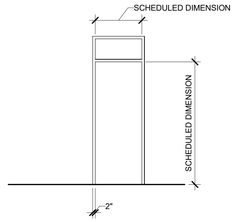
DOOR TYPE 'C'



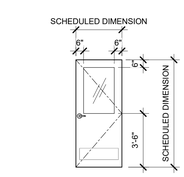
DOOR FRAME 'A'



DOOR FRAME 'AA'



DOOR FRAME 'B'



DOOR TYPE 'D'

LEGEND - DOOR MATERIALS

DOOR CONSTRUCTION AND MATERIAL:
HM - HOLLOW METAL
AL - ALUMINUM
WD - WOOD
FRP - FIBER REINFORCED PLASTIC

DOOR FACING AND FINISH:
SP - STEEL, PAINTED
P - PAINTED
K - KYNAR FINISH ON ALUMINUM
FF - FACTORY FINISH

FRAME MATERIAL:
HM - HOLLOW METAL, PAINTED
AL - ALUMINUM
WD - WOOD

FRAME FINISH:
PM - PAINTED HOLLOW METAL
PW - PAINTED WOOD
K - KYNAR FINISH ON ALUMINUM

FRAME TYPES:
A, AA, B

GLASS:
ALL GLASS IS TEMPERED (SG - SAFETY GLAZING)

HARDWARE:
P.H. - PANIC HARDWARE

LEGEND - DOOR GLAZING NOTES

1. ALL GLAZING SHALL BE TEMPERED 1/4" CLEAR GLASS UNLESS DOOR IS FIRE-RATED. THEN SAFETY GLAZING SHALL MEET CURRENT FEDERAL STANDARDS WHERE GLAZING OCCURS IN RATED DOOR ASSEMBLY. (WIRE GLASS IS NOT ACCEPTABLE)
2. RATED GLAZING NOTES:
   A. FIRE-RESISTANCE-RATED GLAZING SHALL BE PERMITTED IN FIRE DOOR AND FIRE WINDOW ASSEMBLIES WHERE TESTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTINGS AND WHERE IN COMPLIANCE WITH THE REQUIREMENTS OF CBC SECTION 716.3.
   B. CBC 716.3 MARKING FIRE-RATED GLAZING ASSEMBLIES: FIRE-RATED ASSEMBLIES SHALL BE MARKED IN ACCORDANCE WITH TABLES 716.3, 716.5, AND 716.6.
   C. CBC 716.3.1 FIRE-RATED GLAZING IDENTIFICATION: FOR FIRE-RATED GLAZING, THE LABEL SHALL BEAR THE IDENTIFICATION REQUIRED IN TABLES 716.3 AND 716.5. "D" INDICATES THAT THE GLAZING IS PERMITTED TO BE USED IN FIRE DOOR ASSEMBLIES AND THAT THE GLAZING MEETS THE FIRE PROTECTION REQUIREMENTS OF NFPA 252. "H" SHALL INDICATE THAT THE GLAZING MEETS THE HOSE STREAM REQUIREMENTS OF NFPA 252. "T" SHALL INDICATE THAT THE GLAZING MEETS THE TEMPERATURE REQUIREMENTS OF SECTION 716.5.5.1. THE PLACEHOLDER "XXX" REPRESENTS THE FIRE-RATING PERIOD IN MINUTES.
   D. CBC 716.3.2 FIRE-PROTECTION-RATED GLAZING IDENTIFICATION: FOR FIRE-PROTECTION-RATED GLAZING, THE LABEL SHALL BEAR THE FOLLOWING IDENTIFICATION REQUIRED IN TABLES 7 J 6.3 AND 716.6: "OH-XXX". "OB" INDICATES THAT THE GLAZING MEETS BOTH THE FIRE PROTECTION AND THE HOSE-STREAM REQUIREMENTS OF NFPA 257 OR UL 9 AND IS PERMITTED RO BE USED IN FIRE WINDOW OPENINGS. THE PLACEHOLDER "XXX" REPRESENTS THE FIRE-RATING PERIOD IN MINUTES.
   E. FIRE BARRIER: 3/4 HOUR GLAZING, MAX SIZE TESTED, MARKED D-H
   F. NFPA 252 OR CL 9 MEETS FIRE WINDOW ASSEMBLY CRITERIA INCLUDING THE HOSE STREAM TEST
   G. NFPA 252 OR UL 10B I OR UL 10C D = MEETS FIRE DOOR ASSEMBLY CRITERIA. H = MEETS FIRE DOOR ASSEMBLY HOSE STREAM TEST
   H. RATED GLAZING SHALL BE FIRELITE NT

LEGEND - DOOR NOTES

1. DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
2. THE SYMBOL (P) FOLLOWING THE 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES PAIR OF DOORS. BOTH LEAVES ARE THE SAME SIZE, UNLESS NOTED OTHERWISE.
3. SEE REMARKS SECTION OF DOOR SCHEDULE FOR GLASS TYPES.
4. ALL EXTERIOR DOORS IN BUILDINGS, INCLUDING, BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
   a. EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
   b. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISH FLOOR.
   c. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
   d. ALL ROOMS SERVING AN OCCUPANCY LOAD OF 50 OR GREATER AND DOORS LOCATED ON THE DISCHARGE OF EXIT CORRIDORS ARE REQUIRED TO BE PROVIDED WITH PANIC HARDWARE (CBC 1008.1.10).
   e. ALL FIRE DOOR LABELS SHALL COMPLY WITH CBC 716.2.9.
5. FIRE ASSEMBLIES REQUIRED TO HAVE A ONE-HOUR FIRE-PROTECTION RATING SHALL BE EITHER AUTOMATIC OR SELF-CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTIVATING DEVICES INSTALLED ON EACH SIDE OF THE WALL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
6. ALL FIRE-RESISTIVE ASSEMBLIES FOR PROTECTED OPENING SHOULD COMPLY WITH SECTION 716 CBC.
7. SEE SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE INDEX AND DOOR HARDWARE SETS.
8. EXTERIOR: STEELCRAFT "L" SERIES 16 GA HONEYCOMB CORE OR "S" OR "A" SERIES 16 GA TUBULAR FOR FULL GLASS, GALVANIZED, WITH GALVANIZED 14 GA FRAMES. USE MINIMUM 6" WIDE STILE ON ALL STILE & RAIL TYPE DOORS TO ACCOMMODATE EXIT DEVICES.
9. INTERIOR STEEL DOORS: STEELCRAFT "L" SERIES HONEYCOMB CORE, OR "S" OR "A" SERIES FOR FULL GLASS, 18 GA WITH 16 GA FRAMES. USE KNOCKDOWN FRAMES AT INTERIORS. USE MINIMUM 6" WIDE STILE ON ALL STILE & RAIL TYPE DOORS TO ACCOMMODATE EXIT DEVICES.
10. ALL INTERIOR HOLLOW METAL DOOR AND FRAMES TO HAVE JAMB AND HEAD GASKETING. PEMKO 319 OR EQUAL.
11. ALL INTERIOR STORFFRONT FRAMES SHOULD PROVIDE GASKETING FOR THE HOLLOW METAL DOORS PER THE DETAILS.
12. PROVIDE ACCESS CONTROL WIRING AND DOOR SWITCH WIRING PER HARDWARE SCHEDULE.
13. PROVIDE DOOR SWITCH WIRING PER HARDWARE SCHEDULE.
14. PROVIDE ACCESSIBLE DOOR OR GATE LEAF CAPABLE OF MAXIMUM 5LB. FORCE OPERATION PER 11B-404.2.9.
15. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. (CBC 1010.2.1).
16. IN-DOOR GLAZING AND VISION LIGHTS SHALL HAVE BOTTOM EDGE MAXIMUM 43" ABOVE THE FINISH FLOOR OR GROUND SURFACE PER 11B-404.2.11
17. PANIC HARDWARE SHALL COMPLIES WITH SFM STANDARD 12-10-3, SECTION 12-10-302:
   A. CROSS BARS FOR EXIT DEVICES SHALL EXTEND ACROSS NOT LESS THAN HALF OF THE DOOR OR GATE WIDTH.
   B. ENDS OF CROSS BARS SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON CLOTHING DURING EGRESS.
18. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM PER 11B-404.2.8.1
19. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM PER 11B-404.2.8.2
20. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH SECTION 11B-309.4.
21. SWINGING, SLIDING, OR FOLDING DOORS, AND FIRE-RATED DOORS: NOT TO EXCEED 30 POUNDS TO SET THE DOOR IN MOTION, AND SHALL MOVE TO THE FULL-OPEN POSITION WITH NOT MORE THAN 15 POUNDS OF FORCE.
22. OPERABLE PARTS OF DOOR AND GATE HARWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND. WHERE SLIDING DOORS ARE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE FULLY EXPOSED AND USABLE FROM BOTH SIDES. CBC 11B-404.2.7
23. ALL HARDWARE SHALL MEET THE REQUIREMENTS 11B-309.4
24. THRESHOLDS SHALL COMPLY WITH 11B-404.2.5.
25. FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALL PER DSA POLICY 99-08

AGENCY APPROVAL DSA# 01-121407

911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

STRUCTURAL ENGINEER
BASE Design Inc.
582 Market St. Ste 1402
San Francisco, CA 94104
TEL (415) 466-2997

TECHNOLOGY ENGINEER
KMM Services, Inc.
5433 El Camino Ave. Suite 5
Carmichael, CA 95608
TEL (916) 359-4000

PROFESSIONAL STAMP

LICENSED ARCHITECT
MARINA ALVAREZ PARGA
C-36107
REN. 01-31-25
STATE OF CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION
	03-26-2024	DSA Backcheck
1	04-15-2024	ADDENDUM

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ELEMENTARY SCHOOL MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE

DOOR SCHEDULE

INCREMENT 1

DRAWN BY: JK JOB NUMBER: 23120.01

SHEET NO.

1A-801

DATE: MARCH 26, 2024

CONSTRUCTION DOCUMENTS

DATE PLOTTED: 4/16/2024 2:03:11 PM FILE LOCATION: Autodesk Docs://Mt. Diablo USD - Modernization Projects 2023/23120_MTDUSD_MT DIABLO ES MOD_INC01_A22.rvt

FAS VOLTAGE DROP (VD) CALCULATION "MS1" BLDG 5

DEVICE NUMBER	1	2	3	4	5	6	7	8	9					
WIRE GAUGE	12	12	12	12	12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)	14	25	30	55	70	65	60	70	80					
HORN	YES	YES	YES	YES	YES	YES	YES	YES	YES					
STROBE	15CD	15CD	15CD	15CD	15CD	15CD	15CD	15CD	15CD					
AMPS AT DEVICE	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.141	0.000	0.000	0.000	0.000	0.000
AMPS DEVELOPED	1.269	1.128	0.987	0.846	0.705	0.564	0.423	0.282	0.141	0.000	0.000	0.000	0.000	0.000
VOLTAGE DROP	0.063	0.100	0.105	0.165	0.175	0.130	0.090	0.070	0.040	0.000	0.000	0.000	0.000	0.000

TOTAL CIRCUIT VOLTAGE DROP: 0.936
CIRCUIT VOLTAGE: 20.400

VOLTAGE AT FINAL DEVICE: 19.464

% VOLTAGE DROP: **4.590%**

MAXIMUM ALLOWED
% VOLTAGE DROP: 10%

WIRE SIZE	OHMS/ 1000 FT	CIRC. MILS.
12	1.77	6530
14	2.82	4110
16	4.48	2580
18	7.14	1620
20	11.34	1020
22	18.08	640
24	28.64	404

FORMULA:
VOLTAGE DROP = AMPS X FT X OHMS/FT

A

FAS BATTERY CALCULATION "(E)FACP" BLDG 5

QTY	MODEL NUMBER	DEVICE TYPE	SUPERVISORY CURRENT (PER DEVICE)	SUPERVISORY CURRENT (TOTAL)	ALARM CURRENT (PER DEVICE)	ALARM CURRENT (TOTAL)
16	SIGA-SB	(E)SMOKE DETECTOR	0.00020	0.00320	0.00650	0.10400
2	SIGA-HFS	(E)HEAT DETECTOR	0.00020	0.00040	0.00650	0.01300
7	G1R-V15	(E)STROBE, 15CD	0.00000	0.00000	0.00650	0.04550
7	G1R-V75	(E)STROBE, 75CD	0.00000	0.00000	0.16500	1.15500
3	SIGA-PCD	(N)SMOKE DETECTOR	0.00020	0.00060	0.00650	0.01950
3	SIGA-HFD	(N)HEAT DETECTOR ABOVE CLG	0.00020	0.00060	0.00650	0.01950
3	G1VRF	(N)STROBE, 15CD	0.00000	0.00000	0.00650	0.01950
2	SIGA-CR	(N)CONTROL RELAY MODULE	0.00035	0.00070	0.00650	0.01300
2	SIGA-SD	(N)DUCT SMOKE DETECTOR	0.00030	0.00060	0.00650	0.01300
			SYSTEM SUPERVISORY CURRENT	**0.00550**	**SYSTEM ALARM CURRENT**	**1.38900**

MAXIMUM SUPERVISORY CURRENT: 0.00550
STANDBY PERIOD (24 HOURS): 24.00000
REQUIRED SUPERVISORY RESERVE: 0.13200

MAXIMUM ALARM CURRENT: 1.38900
ALARM PERIOD (15 MINUTES): 0.25000
REQUIRED ALARM RESERVE: 0.34725

RESERVE AMP HOURS: 0.47925
(E)RESERVE AMP HOURS: 72.62985
20% SPARE CAPACITY: 14.62182
TOTAL REQUIRED AMP HOURS: 87.73092

(E) BATTERY AMP HOURS SUPPLIED: (2)110

NOTE: EXISTING LOADS BASED ON DSA APPLICATION # 01-105351, FILE NO. 7-29.

AGENCY APPROVAL DSA# XX-XXXXXXXXX

196

911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

atium ENGINEERING
ELECTRICAL ENGINEERS
3533 York Lane
San Ramon, CA 94582
tel: 913.961.1658
email: info@atiumeng.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — STATE OF CALIFORNIA — NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION
1	04.16.24	ADDENDUM #1

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
SCHEDULES

INCREMENT: INC.1

DRAWN BY: TL JOB NUMBER: 23120.01

SHEET NO.
1F001

DATE: DECEMBER 06, 2023

PROJECT STATUS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_47\23347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 1\23347.50 - MD - 1F000 - General Information.dwg
LAST SAVED ON: 4/15/24 at 8:36am, PLOTTED ON: 4/15/24 at 8:45am
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt

FIRE ALARM WIRE TYPES			
TAG	**TYPE**	**GAUGE**	**DEVICE TYPE**
A	SHIELDED TWISTER PAIR FPLR	#14/2	SLC INDOOR
Au	UNSHIELDED TWISTER PAIR FPL	#14/2	SLC UNDERGROUND
B	SHIELDED TWISTER PAIR FPLR	#12/2	NAC INDOOR
Bu	UNSHIELDED TWISTER PAIR FPL	#12/2	NAC UNDERGROUND
C	SHIELDED TWISTER PAIR FPLR	#14/2	SPEAKER INDOOR
Cu	SHIELDED TWISTER PAIR FPL	#14/2	SPEAKER UNDERGROUND
Du	2-STRAND MULTIMODE FIBER	N/A	DIGITAL AMPLIFICATION LOOP

GENERAL NOTES

A. CONNECT REMOTE NOTIFICATION POWER SUPPLIES TO FIRE ALARM CONTROL PANEL WITH TWO (2) #14 AWG, UNLESS OTHERWISE NOTED.

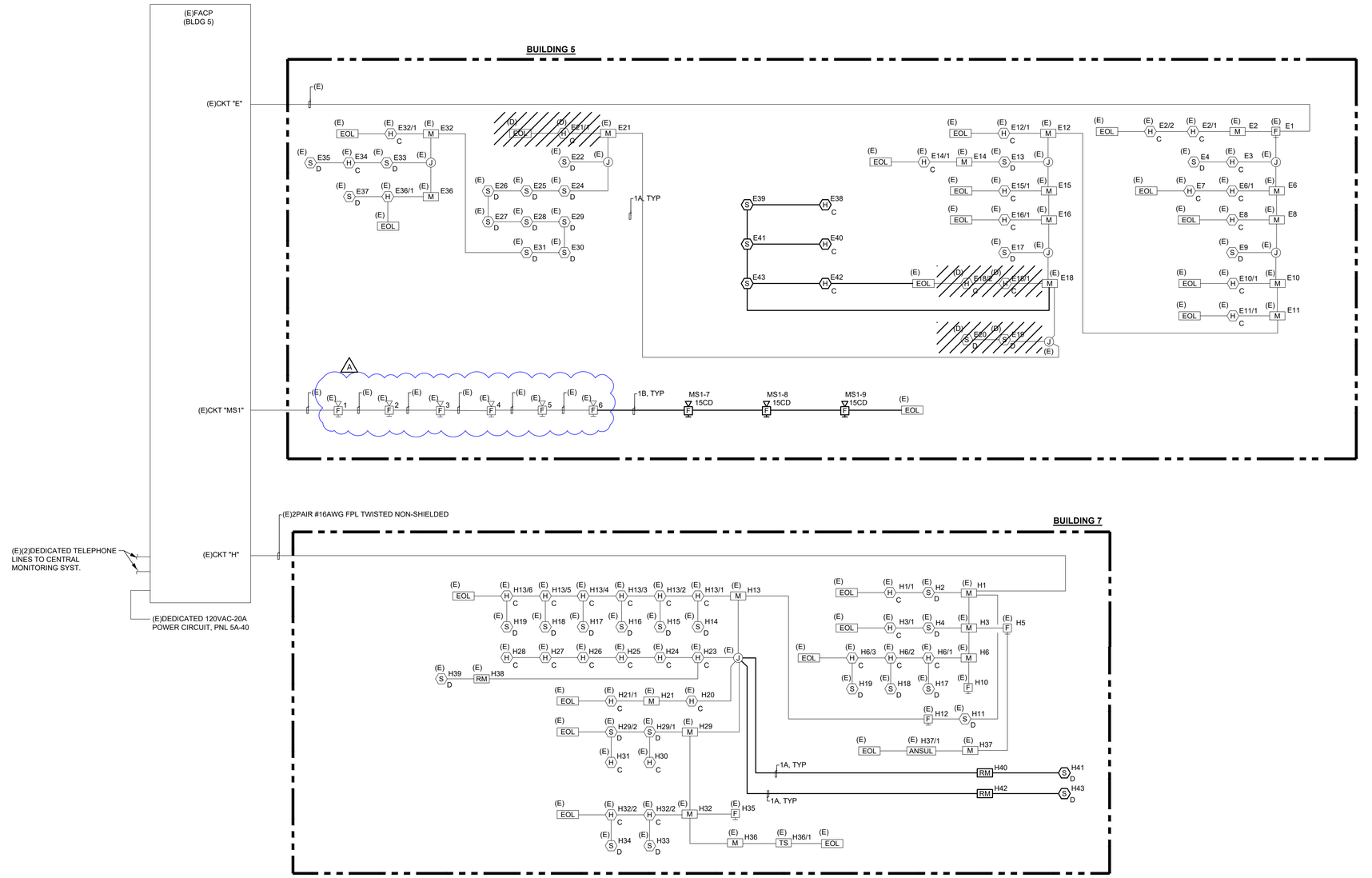
B. ALL DETECTION CIRCUITS SHALL USE TWO (2) #16 AWG, UNLESS OTHERWISE NOTED.

C. SEE VOLTAGE DROP CALCULATIONS FOR NOTIFICATION CIRCUIT CABLE QUANTITY AND SIZE.

D. THE PROJECT INSPECTOR SHALL VERIFY CANDELA SETTINGS, AFTER INSTALLATION, OF ALL MULTI-CANDELA VISUAL NOTIFICATION DEVICES DUE TO FIELD ADJUSTABILITY.

E. THE CONTRACTOR SHALL HAND WRITE THE DATE OF INSTALLATION ON ALL FIRE ALARM BATTERIES IN A LOCATION VISIBLE TO SERVICE PERSONNEL.

F. REFER TO DSA APPLICATION # 01-105351, FILE NO. 7-29, DATED 2003, FOR FIRE ALARM AS-BUILT DOCUMENTATION AND CALCULATIONS.



1 FIRE ALARM RISER DIAGRAM

NTS

911 W HEDDING ST., SUITE 101
SAN JOSE, CA 95126
TEL (408) 715-4470

CONSULTANTS

CIVIL ENGINEER
CARROLL ENGINEERING
1101 South Winchester Blvd., Suite H184
San Jose, CA 95128
TEL (408) 261-9800

MECHANICAL ENGINEER
CYPRESS ENGINEERING GROUP
9 Harris Court, Suite A8
Monterey, CA 93940
TEL (831) 218-1802

ELECTRICAL ENGINEER
ATIUM ENGINEERING
3533 York Ln.
San Ramon, CA 94582
TEL (913) 961-1658

atium ENGINEERING
ELECTRICAL ENGINEERS
3533 York Lane
San Ramon, CA 94582
tel: 913.961.1658
email: info@atiumeng.com

AGENCY APPROVAL DSA# XX-XXXXXXXXX

PROFESSIONAL STAMP

NOT FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION
A	04.16.24	ADDENDUM #1

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
MT DIABLO UNIFIED SCHOOL DISTRICT
1936 Carlotta Way
Concord, CA 94519

MT. DIABLO ES MODERNIZATION
5880 Mt. Zion Drive
Clayton, CA 94517

SHEET TITLE
DETAILS

INCREMENT: INC.1

DRAWN BY: TL JOB NUMBER: 23120.01

SHEET NO.
1F301

DATE: DECEMBER 06, 2023

PROJECT STATUS

FILE LOCATION: G:\shared drives\01_projects\madi architecture_4702347.50 - mount diablo usd modernization\05_drawings\01_DWGs\Mt Diablo\Inc 1\2347.50 - MD - 1F300 - Diagrams.dwg
LAST SAVED ON: 4/15/24 at 8:43am, PLOTTED ON: 4/15/24 at 8:45am
DATE PLOTTED: 8/29/2023 11:46:30 AM FILE LOCATION: C:\Users\SkimlDocuments\23120.01_MTDUSD_MT DIABLO ES MODERNIZATION_A23_skim32Q7M.rvt