

ADDENDUM 1

March 27, 2026

**Skyline Elementary School
HVAC Replacement
DSA APPL. # 01-122566**

55 Christen Avenue
Daly City, CA 94015

South San Francisco Unified School District
398 B Street
South San Francisco, CA 94080

This addendum shall supersede all previously issued specifications, addenda, and drawings wherein contradicts same. All other conditions remain unchanged. The following changes, modifications, corrections, clarifications, and / or additions as set forth herein shall apply to the above documents and shall be made a part thereof and shall be subject to all the requirements thereof as though originally specified and / or shown.

Question 1: Request to revise bid due date by a few days.

Answer: Bid due date is to remain as indicated in order to maintain construction schedule.

Question 2: Is there an engineer's estimate for this project so we can inform our bonding company when obtaining a bid bond?

Answer: The estimated project cost is \$2.2 million. No engineer's estimate is to be provided to bidders.

Misc Questions:

- Are BIM Coordinated shop drawings required- Answer- No
- Existing BMS Controls are Allerton- Answer: Allerton thru Sysco
- Pre-construction test and balance required? Answer- No
- Working hours? Answer- Regular hours: School will be unoccupied during the summer break
- Is Bryant an approved equal- Answer- Please refer to the specifications including the section "substitutions". Equal products are acceptable, but burden of proof is the bidder's.
- Will District provide Lift equipment? Answer- No, but in case of emergency due to inability to procure the appropriate lifts, the District may consider allowing the use of its lift. That is totally up to the discretion of the District, and the *bidders shall consider costs of lift rental as part of his costs*. The District has scissor lifts and man-lifts for mainly one to two persons

ATTACHMENTS:

Drawings:

ARCHITECTURAL

- A2.03 Note "TYP @ KINDERGARTEN" and note "TYP @ ALL CLASSROOMS" **added** to interior elevation tag.
- A2.04 Note "TYP @ ALL CLASSROOMS" **added** to interior elevation tag.
- A2.04 Interior elevation callout **revised** from 2 to 3/A9.01.
- A9.01 Detail 20 **revised** to provide direction for wallcovering finish.

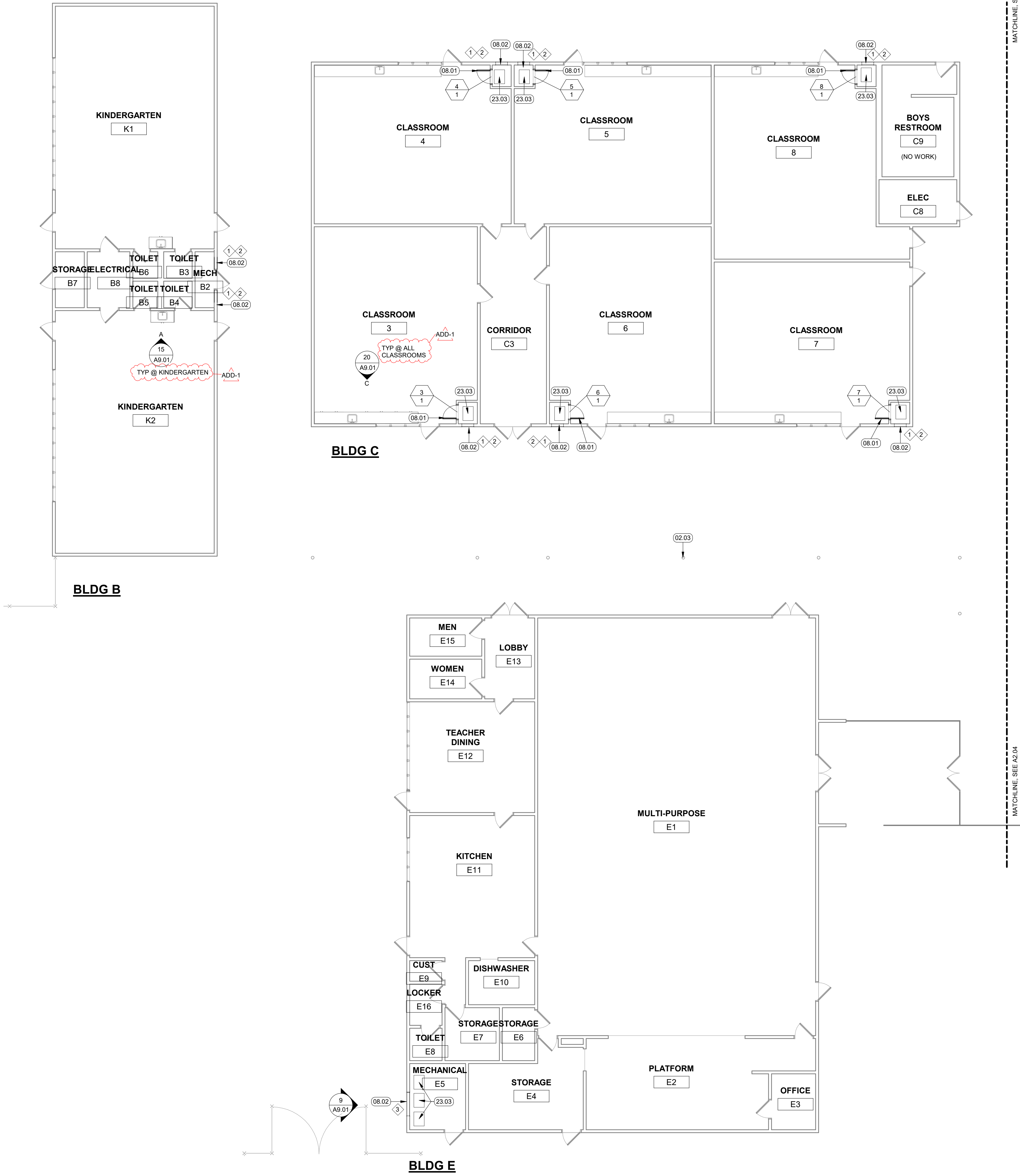
Specifications:

ADD Section 28 31 00 Network Fire Alarm System in its entirety.

ADD Section 09 72 16 Wall Coverings in its entirety.

END OF SECTION

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3 FIRST FLOOR PLAN - BUILDING B, C, & E
1/8" = 1'-0"

GENERAL NOTES

1. PRIOR TO START OF CONSTRUCTION CONTRACTOR TO FIELD VERIFY (E) CONDITIONS & NOTIFY ARCHITECT OF ANY DISCREPANCIES FROM THE PLANS.
2. PRIOR TO START OF CONSTRUCTION CONTRACTOR TO REMOVE & PROTECT ALL (E) EQUIPMENT & FURNITURE. RELEASE BACK TO THE FACILITY FOR FUTURE RE-USE UON OR UNLESS DIRECTED BY THE OWNER.
3. ALL DIMENSIONS SHALL BE FROM FACE OF STUD, UON. DIMENSIONS NOTED AS "CLR" REFER TO CLEAR DIMENSION FROM FACE OF FINISH.
4. WHEREVER THE TERM "ALIGN" IS SHOWN, CONTRACTOR TO ALIGN THE FACES OF WALL FINISH(ES).
5. PROTECT & MAINTAIN ALL (E) PARTITION RATINGS, UON.
6. PRESERVE & PROTECT (E) FINISHES THAT ARE TO REMAIN. WHERE DAMAGE OCCURS DURING CONSTRUCTION PATCH & REPAIR ALL WALLS, CEILING, AND FLOOR SURFACES TO MATCH (E), UON. IF FINISHES ARE DAMAGED BEYOND REPAIR & AN EXACT MATCH CANNOT BE PROCURED NOTIFY THE ARCHITECT IMMEDIATELY FOR DIRECTION ON REPLACEMENT FINISH SPECIFICATION. WALLS SHALL BE PAINTED TO THE NEAREST CORNER/ INTERSECTION & ALL OTHER FINISHES TO BE REPLACED AT THE NEAREST CORNER/ INTERSECTION FOR A SEAMLESS AESTHETIC.
7. REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL SERIES SHEETS FOR ADDITIONAL INFORMATION. COORDINATE LOCATIONS OF WALL MOUNTED ACCESSORIES, EQUIPMENT, FURNITURE, SIGNAGE & THEIR ASSOCIATED BACKING WITH POWER/DATA, THERMOSTAT, LIGHT SWITCH & MISC. PANEL LOCATIONS PRIOR TO INSTALLATION.

KEYNOTES

02.03	(E) HSS STEEL COLUMN
08.01	DOOR, SEE SCHEDULE, TYP.
08.02	LOUVER, SEE SCHEDULE
23.03	FURNACE, SMD

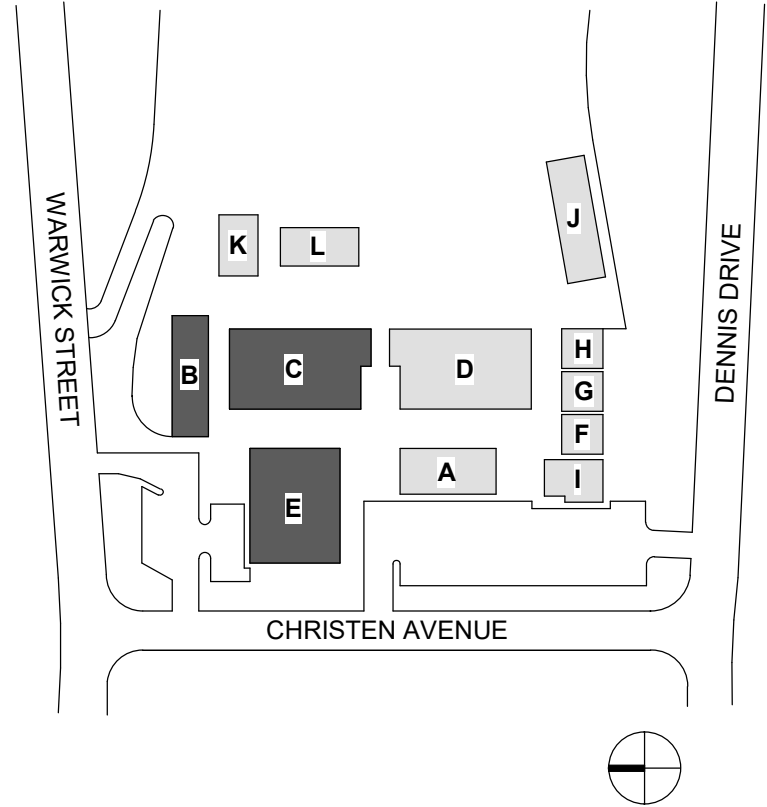
LEGEND

Room Name	ROOM TAG
##	
	FURNACE, SMD
	(E) DOOR TO REMAIN
	DOOR, SEE SCHEDULE
	LOUVER, SEE SCHEDULE
	LOUVER TAG, SEE SCHEDULE
	DOOR NUMBER
	DOOR TAG, SEE SCHEDULE
	HARDWARE SET

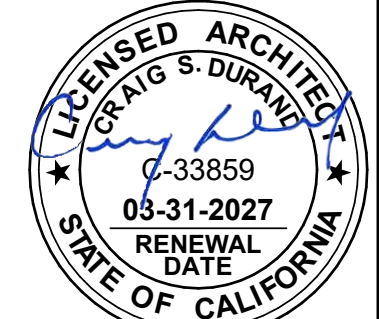


Revisions	Delta	Date	Revisions	By
ADD-1	03/27/26	Bid Addendum 1		AL

KEY PLAN



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510.446.2222 tel; 510.446.2211 fax

HY Architects Project number: 6241

Facility
SKYLINE ELEMENTARY SCHOOL
55 CHRISTEN AVE, DALY CITY, CA 94015

Project
HVAC REPLACEMENT

Sheet Title
FLOOR PLAN - BUILDING B, C, & E

Client Project Number: 0000.0

Scale: As indicated

Drawn By: Author

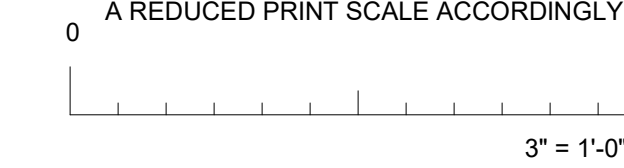
Checked By: Checker

Issue Date: Issue Date

Revit Version: 2023

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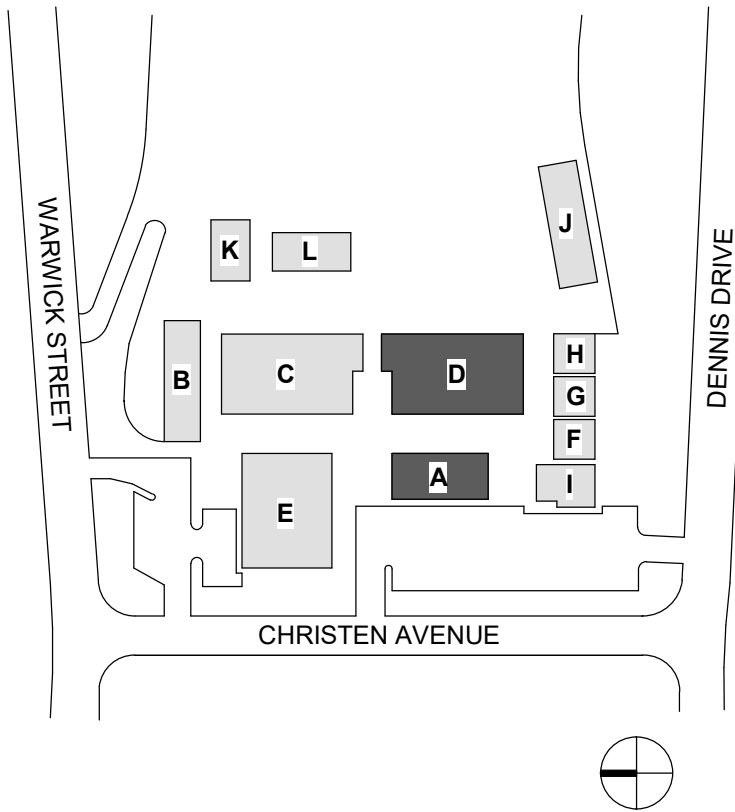


GENERAL NOTES

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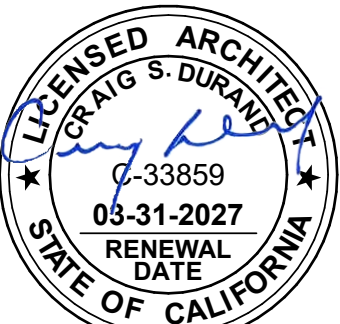
KEYNOTES

KEY PLAN



LEGEND

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HY Architects Project number: 6241

Project

HVAC REPLACEMENT

Sheet Title

FLOOR PLAN - BUILDING A & D

Client Project Number: 0000.0

Scale: As indicate

Drawn By: Author

Checked By: Checker

Issue Date:	Issue Date
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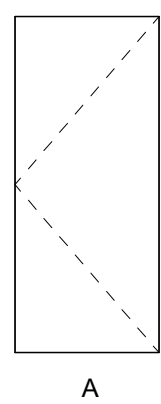
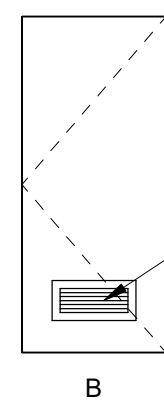
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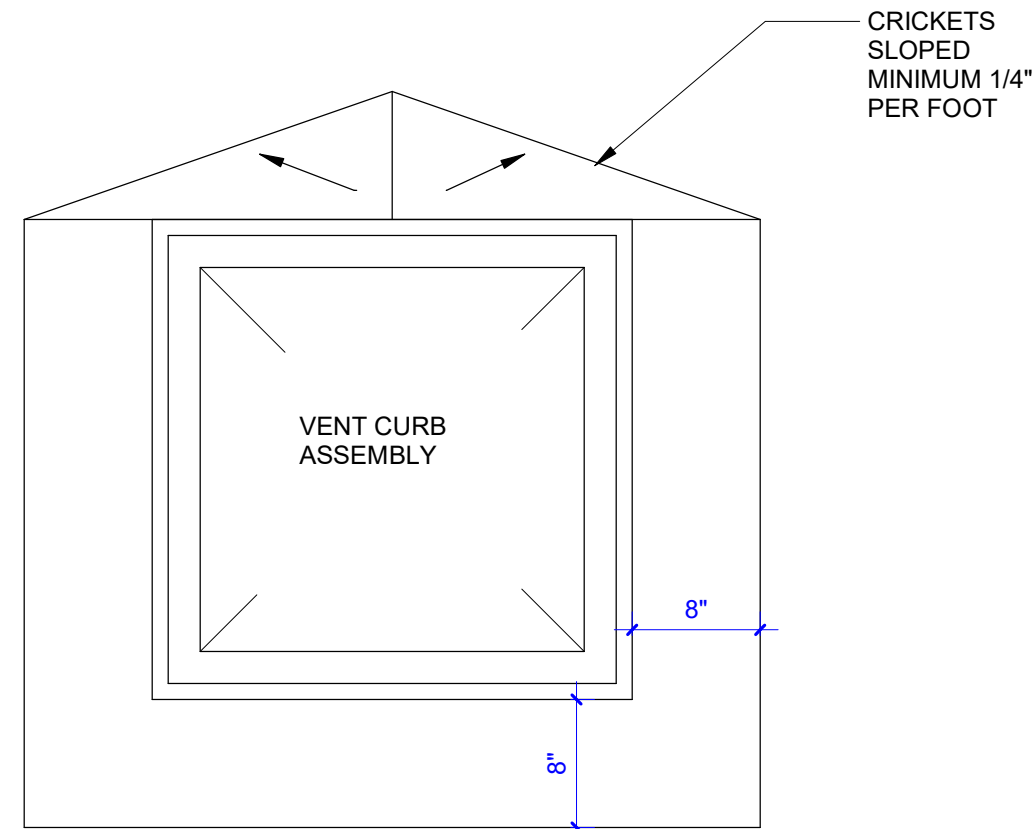
LOUVER SCHEDULE				
TYPE	SIZE	LOCATION	INSECT SCREEN	Count
1	24"x18"	EXTERIOR	YES	14
2	24"x24"	EXTERIOR	YES	15
3	48"x84"	EXTERIOR	YES	1



LOUVER TYPE 2, SEE SCHED

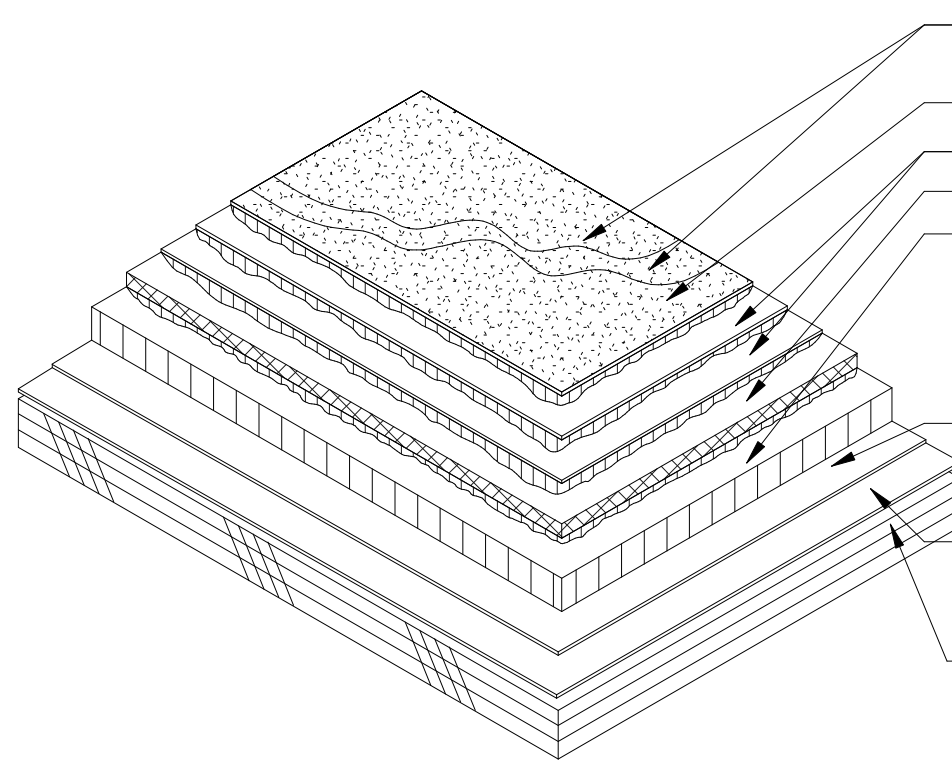
DOOR LEGEND

1/4" = 1'-0"



17 CRICKETS

1" = 1'-0"



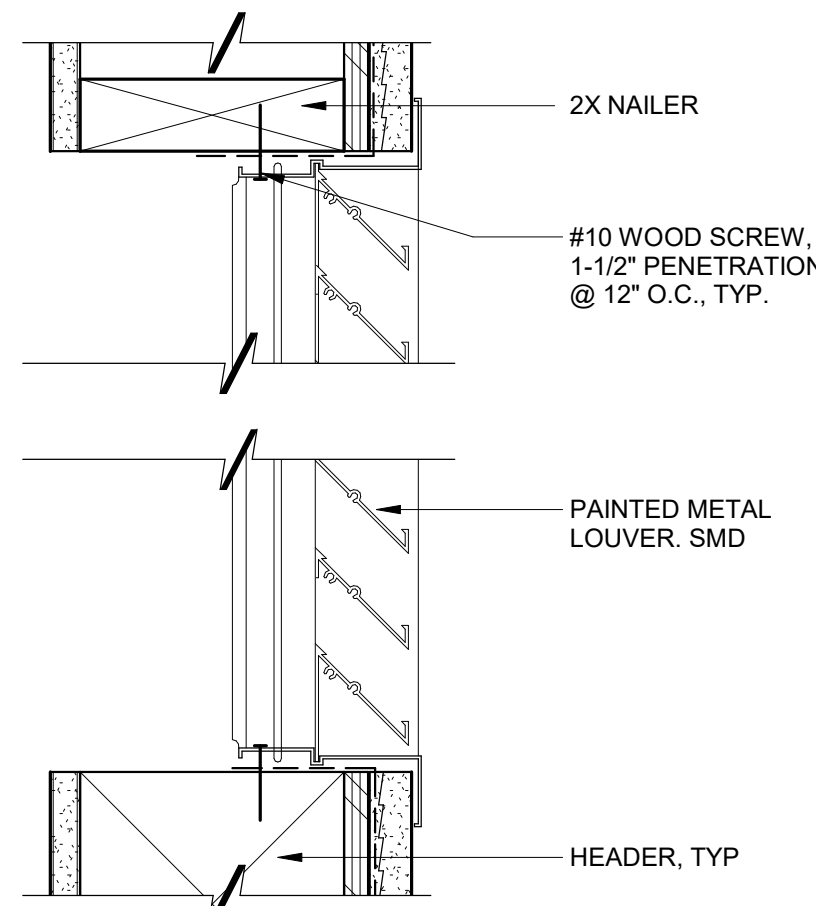
12 TYPICAL B.U.R. SECTION

3" = 1'-0"

DOOR MARK	DOOR AND FRAME SCHEDULE													
	DOOR					FRAME					DOOR HARDWARE	REMARKS	SIGNAGE	
	NOMINAL SIZE		MATERIAL	DOOR TYPE	MATERIAL	TYPE	DETAILS			TYPE			SIGN TEXT/ROOM	
	WIDTH	HEIGHT					HEAD	JAMB	SILL					
3	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
4	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
5	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
6	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
7	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
8	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
9	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
10	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
11	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
12	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
13	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
14	2'-3 1/2"	5'-0"	WD	A	HM	1	10/A9.01	5/A9.01	5/A9.01	1				
15	3'-0"	7'-0"	(E)	R	(E)	(E)				2				

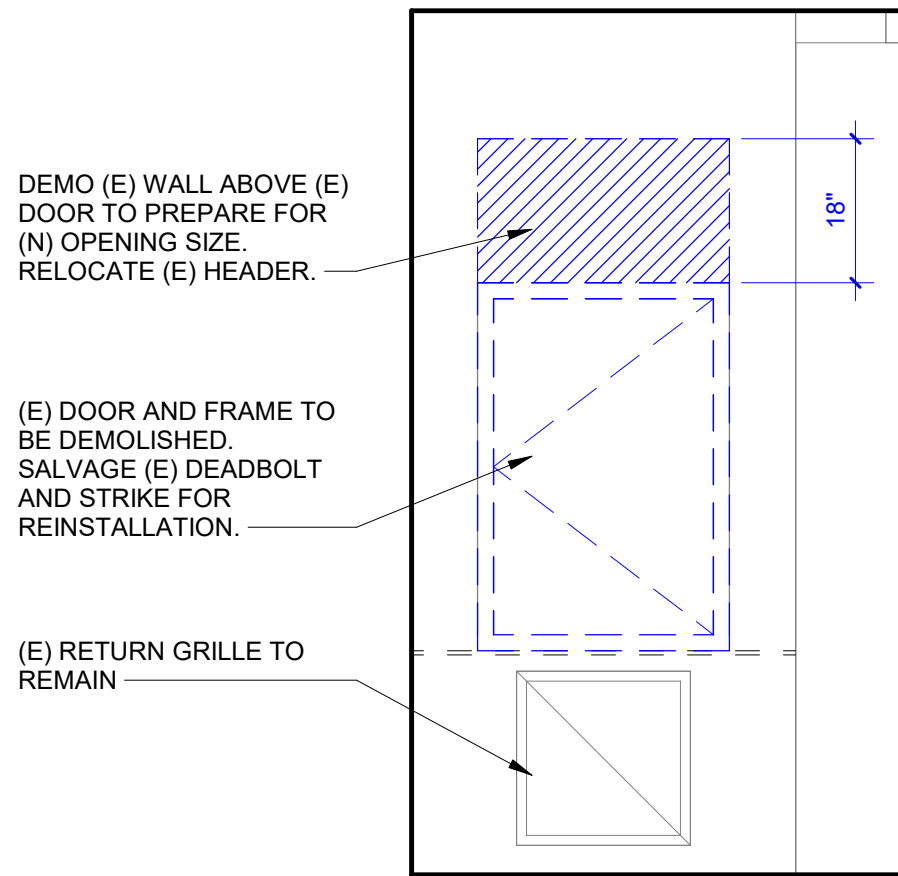
GROUP 1
3 EA HINGE, SBB1 4.5X4.5, 852, IVES
1 EA GASKETING, 188S-BK PSA, BK, ZERO
REINSTALL (E) DEADBOLT
REINSTALL (E) STRIKE PLATE

GROUP 2
HARDWARE EXISTING TO REMAIN



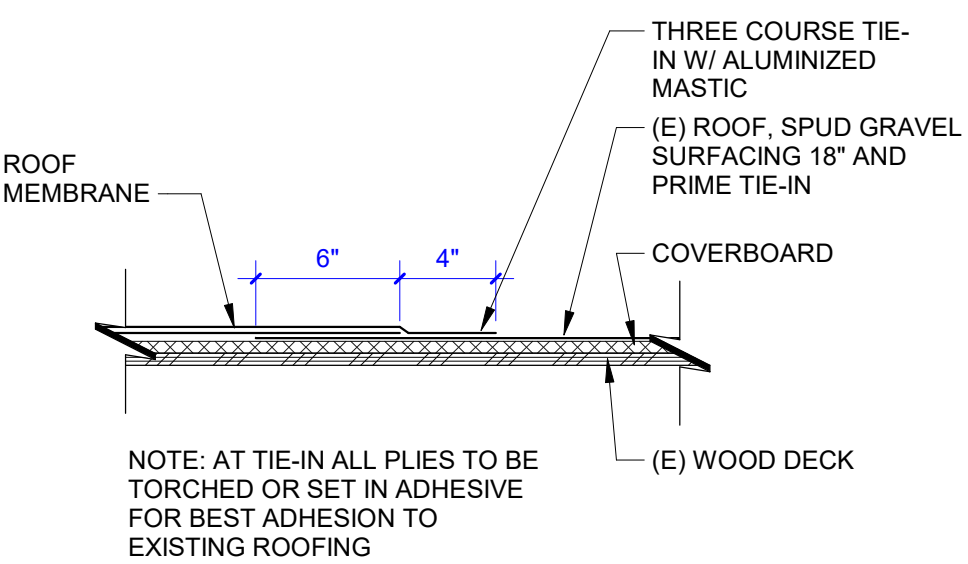
7 EXT. WALL LOUVER

3" = 1'-0"



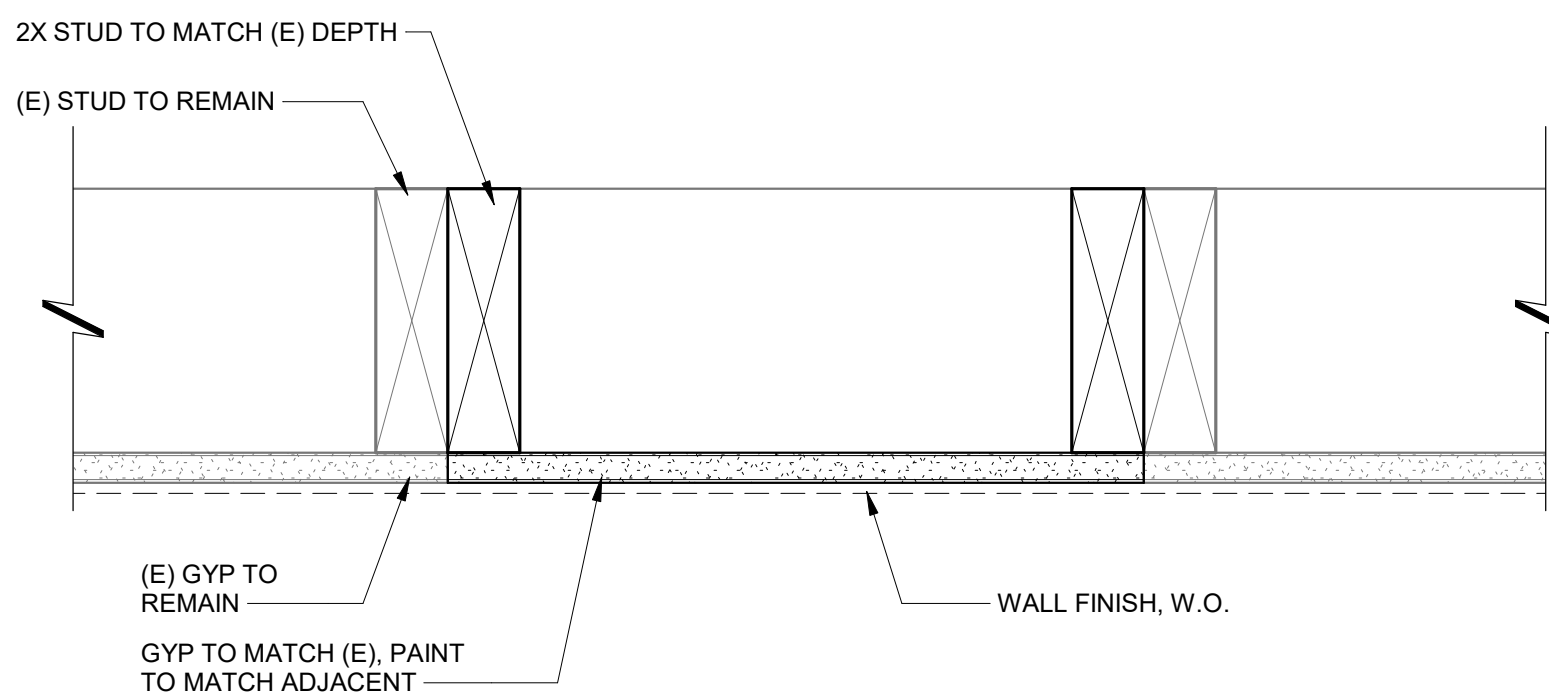
2 TYP. CLASSROOM INTERIOR DOOR DEMO

1/2" = 1'-0"



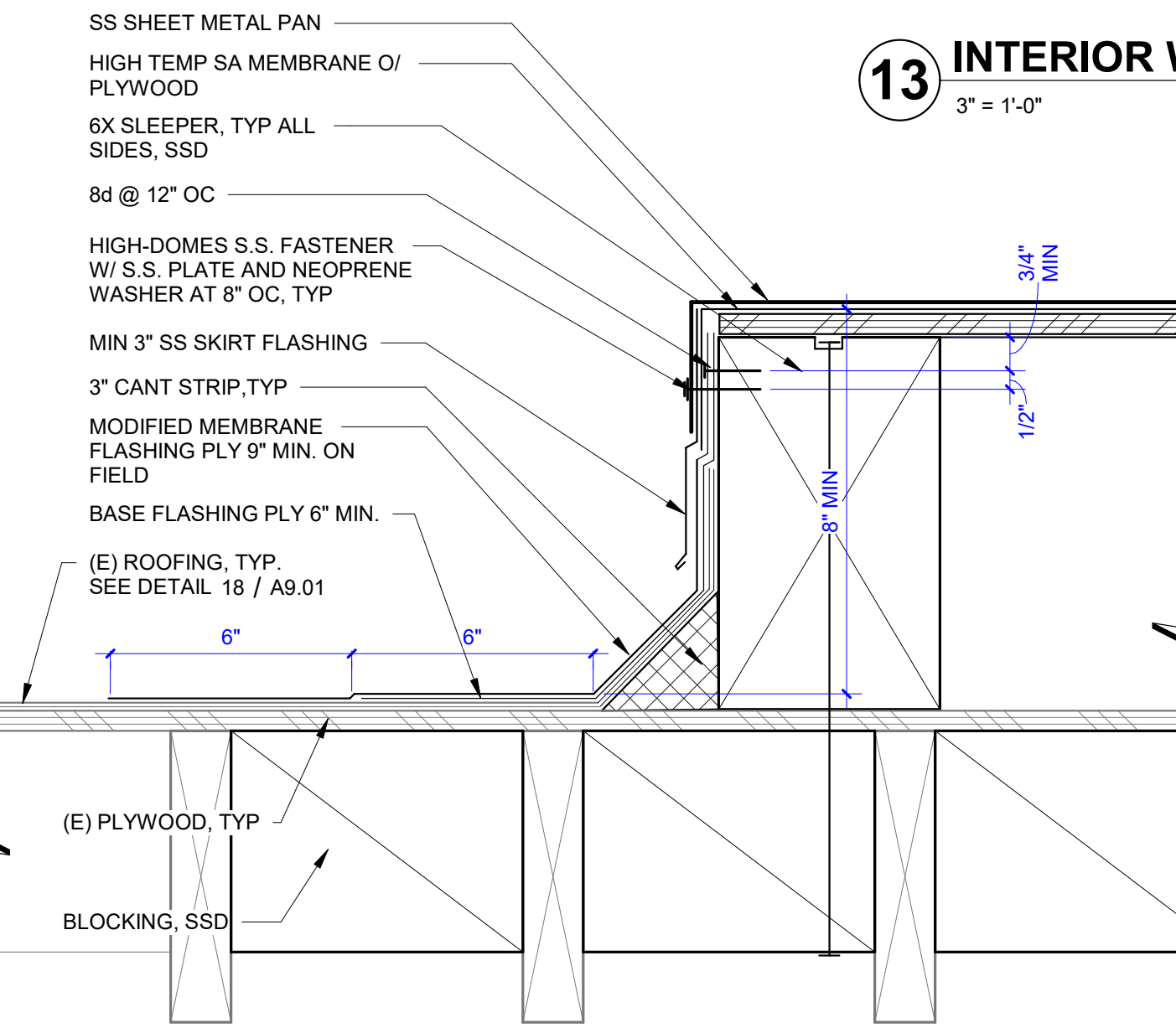
18 ASPHALT ROOF TIE-IN

1 1/2" = 1'-0"



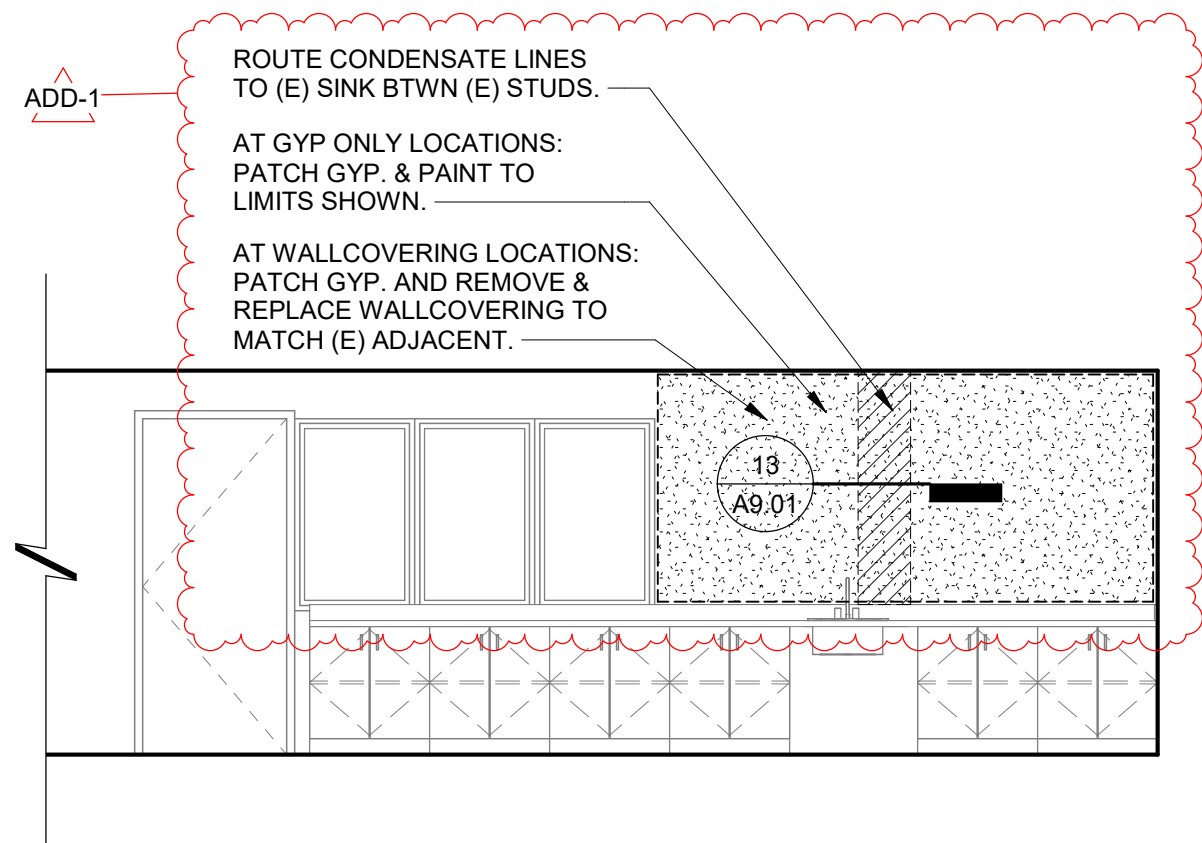
13 INTERIOR WALL SECTION

3" = 1'-0"



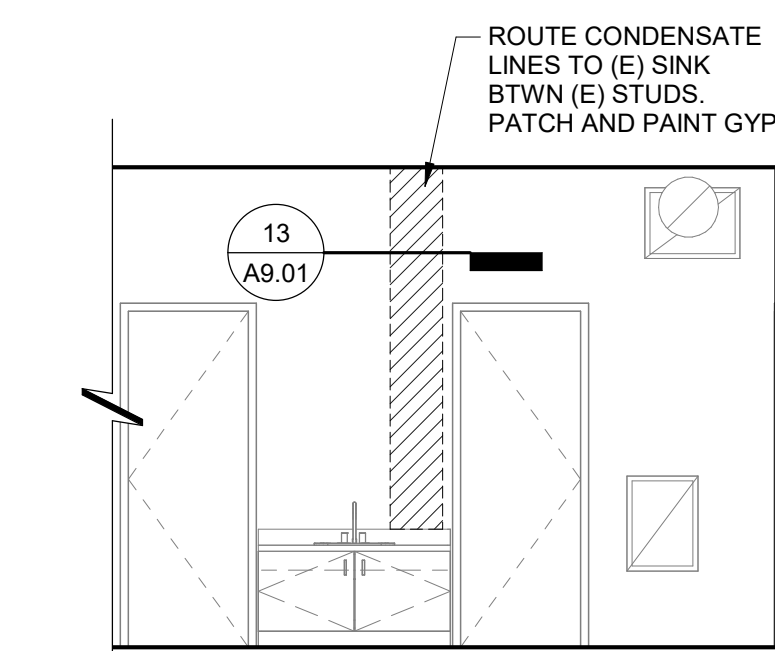
19 ROOFTOP UNIT MOUNTING

3" = 1'-0"



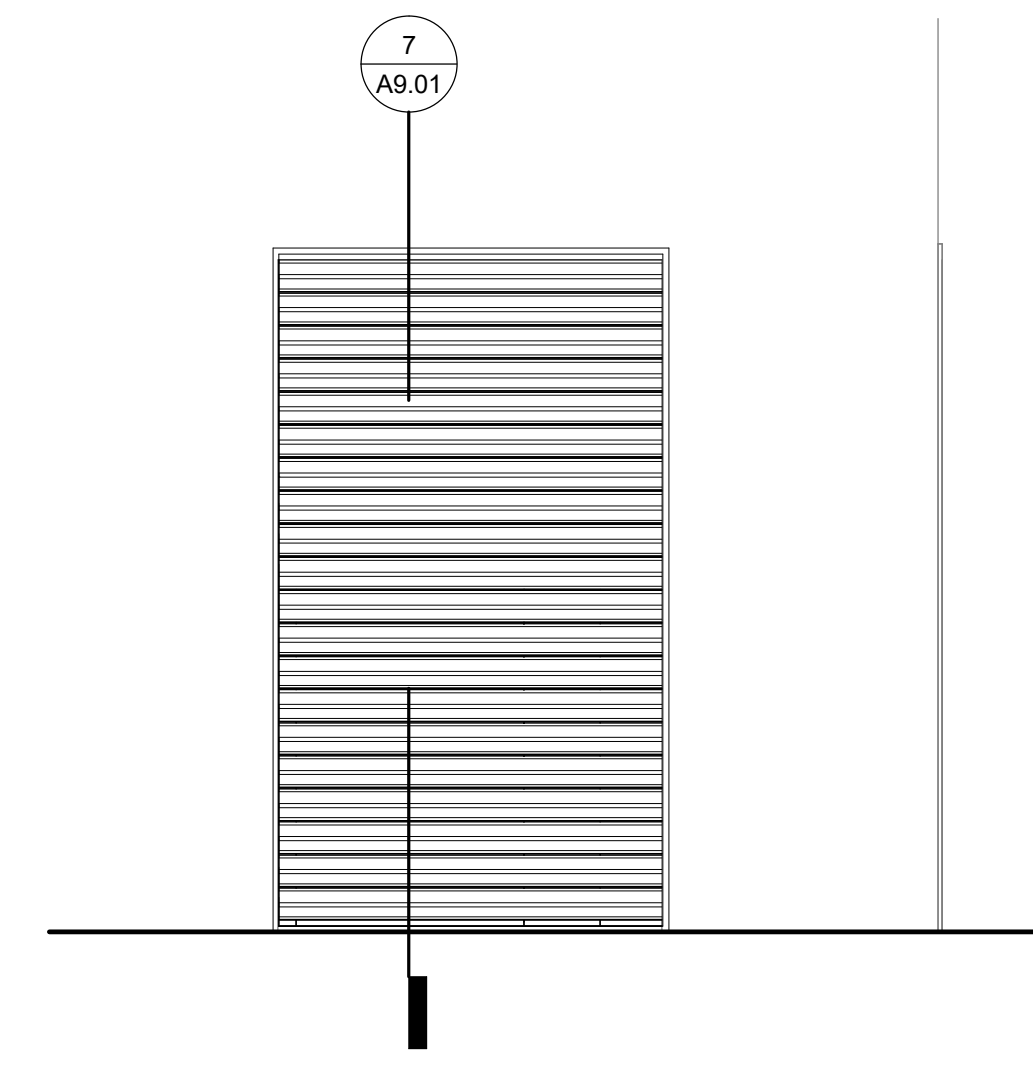
20 INTERIOR ELEVATION - TYPICAL CLASSROOM

1/4" = 1'-0"



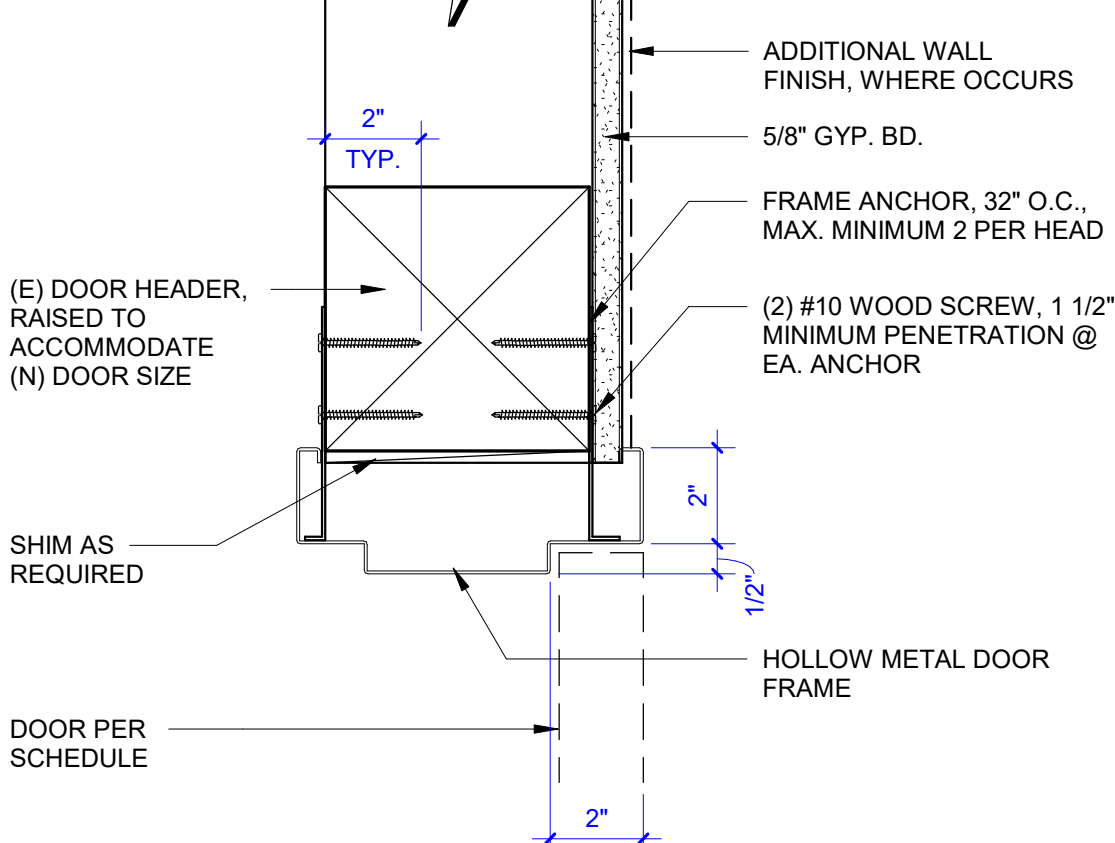
15 INTERIOR ELEVATION - BLDG B

1/4" = 1'-0"



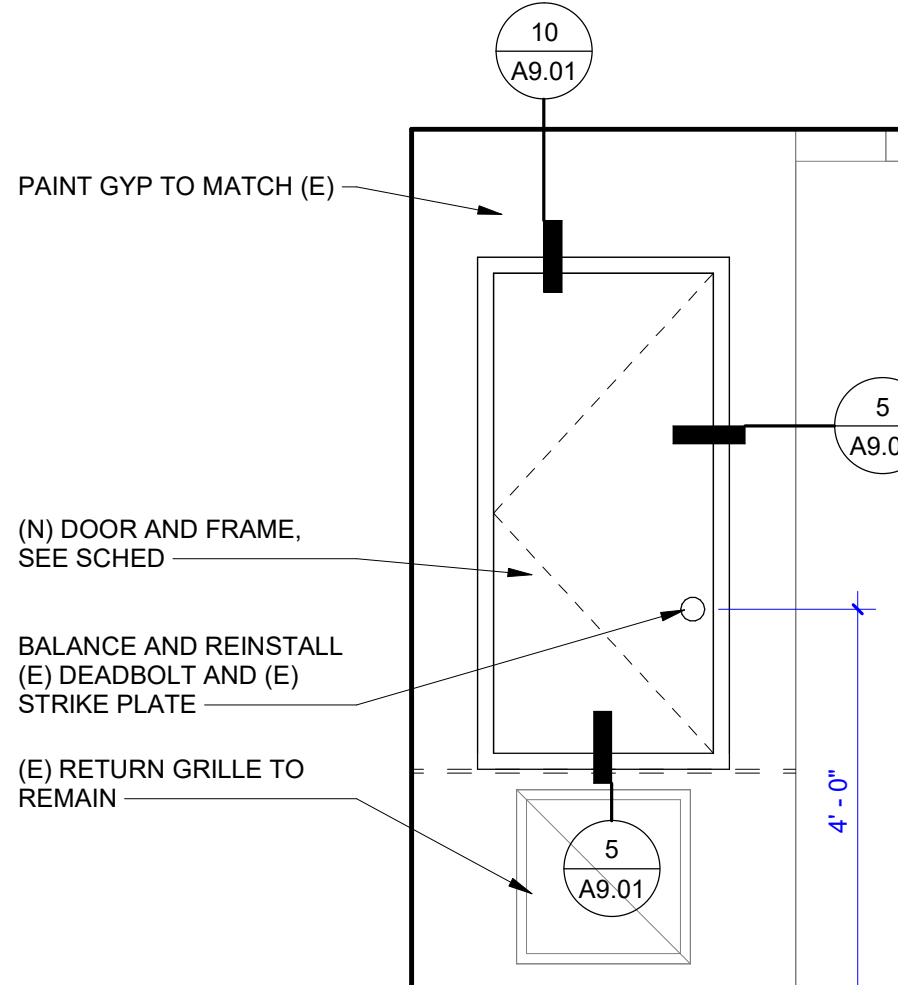
9 ELEVATION - MPR EXTERIOR WALL

1/2" = 1'-0"



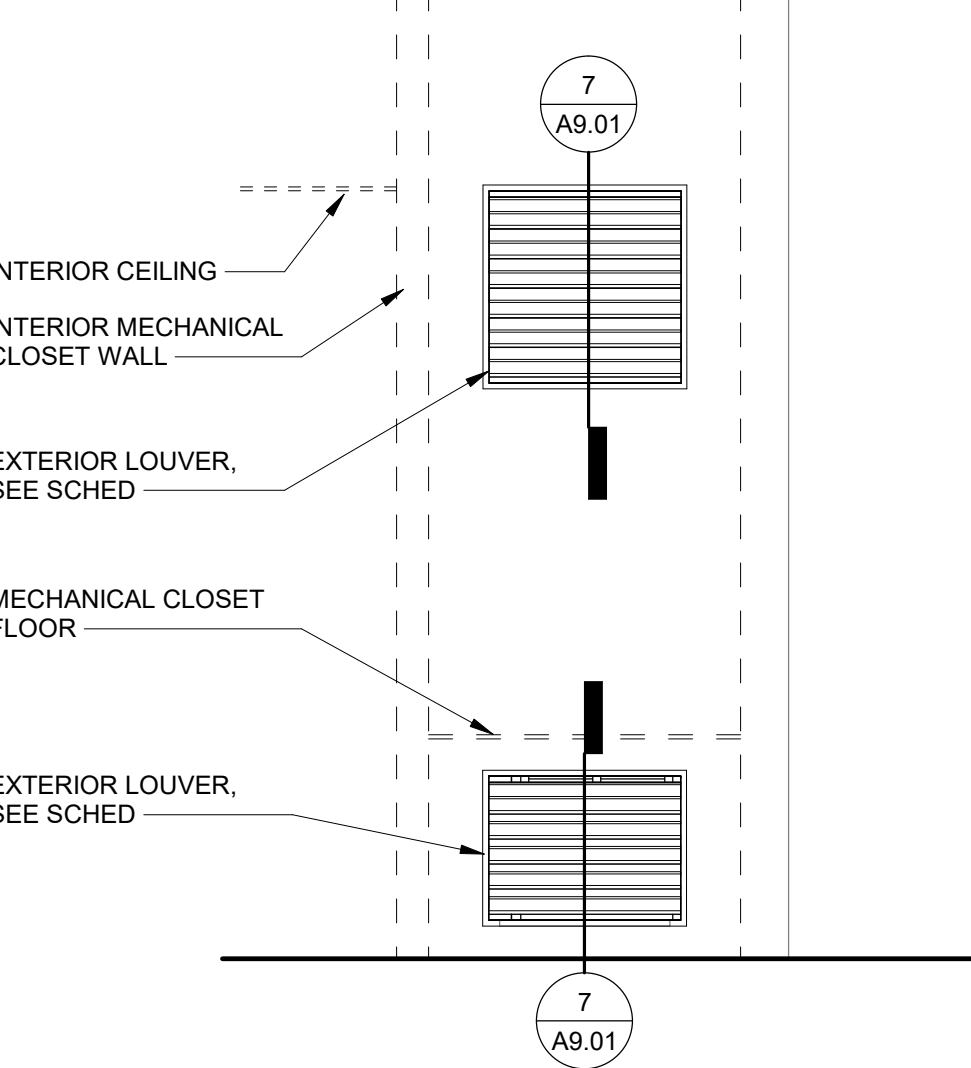
10 INTERIOR DOOR HEAD - WOOD

3" = 1'-0"



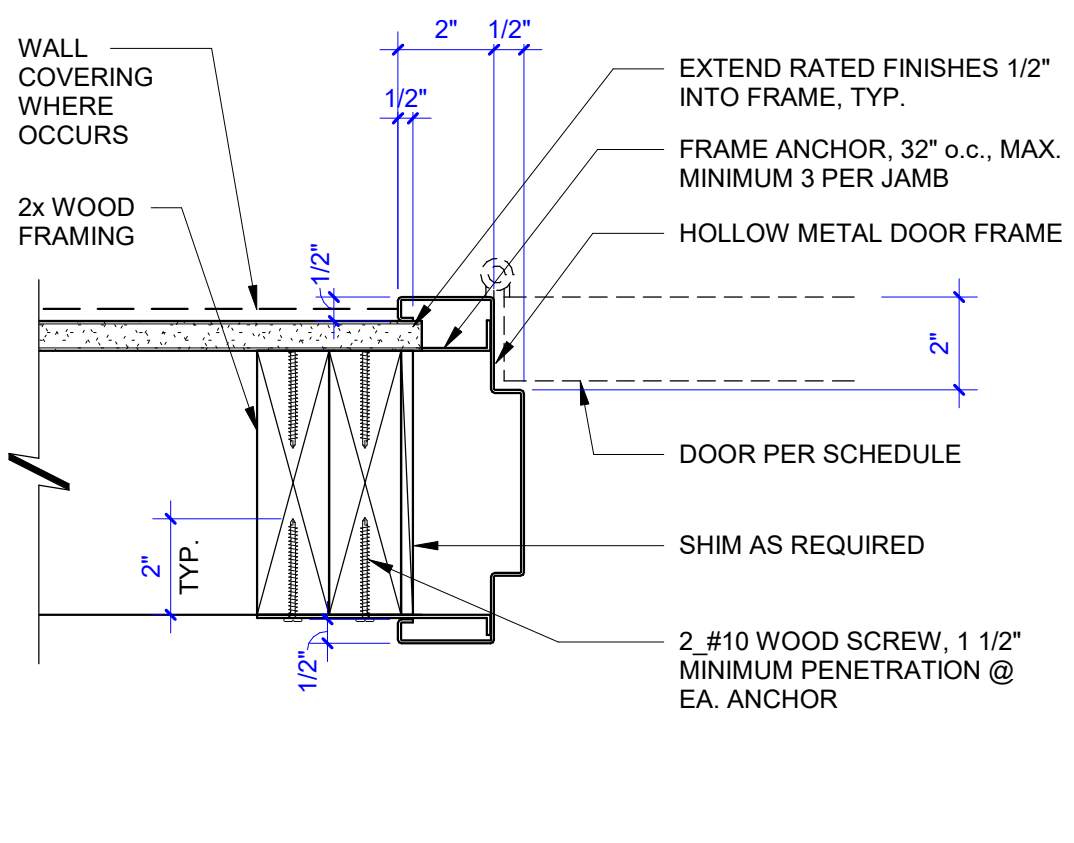
3 TYP. CLASSROOM INTERIOR DOOR

1/2" = 1'-0"



4 TYP. CLASSROOM EXTERIOR LOUVERS

1/2" = 1'-0"

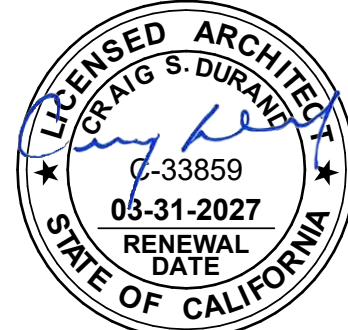


5 INTERIOR HM DOOR JAMB - WOOD (SILL SIMILAR)

3" = 1'-0"



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ADD-1	03/27/26		[Bid Addendum 1]	AL



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HY Architects Project number: 6241

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SKYLINE ELEMENTARY SCHOOL
55 CHRISTEN AVE, DALY CITY, CA 94015

Project
HVAC REPLACEMENT

Sheet Title
DETAILS

Client Project Number: 0000.0

Scale: As indicated
Drawn By: Author
Checked By: Checker
Issue Date: Issue Date
Revit Version: 2023

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SECTION 28 31 00 Networked Fire Alarm System

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. Furnish and install Fire Alarm System including all wiring and connections and other materials as shown on Plans and specified herein. It is the intent that a complete operating system conforming to all applicable codes be installed and that any power supplies, relays, resistors, cards, modules, programming, or other items required to achieve this end result shall be furnished whether or not such item or items are specified herein.
- B. The wiring shall be per system manufacturer's requirements. The cable shall be approved for fire alarm systems, UL rated, and run in conduit. Provide sleeves through walls and floor and seal with fire-stop material.
- C. Fire alarm system shall tie into existing campus Siemens Network System. System shall be programmed so that any new or existing device in any building shall alarm the entire campus and notify the main panel and call to monitoring company. The features and capacities described in this specification are required as a minimum for this project and shall be furnished by The Siemens Industry office in Hayward California. Other suppliers or outlets are not acceptable.
- D. Fire alarm work must be contracted through Siemens Hayward branch office. Other outlets will not be acceptable.

1.2 GENERAL REQUIREMENTS

- A. Code Requirements: System and all its components to meet requirements for local alarm system of National Fire Protection Association Standard 72 with California Amendments found in CBC, Americans with Disabilities Act (ADA), and Article 760, California Electrical Code, and to be approved by Division of the State Architect for use as school fire alarm system.
- B. System Requirements: All of various equipment components to be complete with all appurtenant accessories required to provide specified facilities and perform specified functions throughout presently planned construction and space; and provisions for expanding system to provide same facilities, and perform same functions in all future planned construction, including space and mountings in control panels and terminal cabinets.
- C. Instructions And Manuals:
 - 1. Equipment supplier of systems to demonstrate operation of system to

satisfaction of Owner and furnish Owner three (3) wiring schematics for all items of equipment, installation instructions, and details of all routine maintenance and servicing which must be given system by Owner (refer to Section 16010).

2. Manuals to be provided in substantial fiberboard covers, with title page, list of contents, and conspicuous label on cover and shall be delivered to District. Submit copy to Architect for approval before delivering to Owner.
- D. Fire Alarm Certification: Written certification on the form found in NFPA 72 shall be submitted by the Contractor to Architect (with copies to Electrical Engineer and DSA) stating for himself and the equipment manufacturer that component parts are as LISTED AND APPROVED BY State Fire Marshal, that the installation conforms in all respects to requirements as set forth in the California Electrical Code, that acceptance testing has been performed in the presence of the Inspector of Record (IOR), and the certificate signed by the IOR.
- E. Installation of the fire alarm system and equipment shall not be started until submittals, including State Fire Marshal listing numbers for each component of the system, have been submitted to and approved by the Architect.
- F. Submittals: Furnish catalog data, shop drawings, one-line diagrams, and scaled plan drawings. Building plans shall be $1/8" = 1'0"$, and site plans shall be no smaller than $1" = 40'$. Minimum text height shall be $3/32"$ high. Contractor shall also submit name of firm he proposes to do work under this Section, addresses, phone numbers, and name of firm's contact, for approval. Such firms shall be factory authorized representatives of the equipment specified, who shall furnish all equipment, make all connections to same, and place the systems in operation. Such firms shall have offices and service departments within a 100 mile radius of project and shall have been in business of this type for at least five years. Also, refer to requirement for shop drawings, substitutions, materials, and submittals in Section 16010, Electrical. Two submittal reviews will be made by the Architect's representative. Subsequent reviews will be charged to the Contractor. A rejection of a submittal or review of a partially presented submittal constitutes one submittal review.
1. Fire alarm system design and products have been reviewed and approved by DSA. Alterations to design and/or substitutions proposed by the contractor shall require the following to be included with the fire alarm submittal:
 - a. Riser diagram.
 - b. Point-to-point diagram.
 - c. Mounting detail showing elevations of wall mounted devices.

- d. List of system components, equipment, and devices, including manufacturer's model number(s) and California State Fire Marshal listing numbers.
- e. Copies of manufacturer's specification sheets for equipment and devices indicated.
- f. Voltage drop calculations — include the following information for the worst case:
 - 1. Point-to-Point or ohms law calculations.
 - 2. Zone used in calculations.
 - 3. Voltage drop percent (not to exceed manufacturer's requirement(s).
Note: If voltage drop exceeds 10%, indicate manufacturer's listed operating voltage ranges(s) for equipment and devices.
- g. Battery type(s), amp hours, and load calculations – include the following information:
 - 1. Normal Operation: 100% of applicable devices for 24 hours = control panel amps plus list of amps per device which draw power from the panel during standby power condition – i.e.:
 - a. Zone modules.
 - b. Detectors.
 - c. Other devices (identify).

(Note: These specifications require standby power for 72 hours. The specified duration shall be used in calcs.)
 - 2. Alarm Condition: 100% of applicable devices for 5 minutes = control panel amps plus list of amps per device which draw power from the panel during alarm condition — i.e.:
 - a. Zone modules.
 - b. Signal modules.
 - c. Detectors.
 - d. Signal devices
 - e. Annunciator.
 - f. Other devices (identify).

3. Normal Operation + Alarm Condition:
 - a. Total amp hours required.
 - b. Total amp hours provided.
- G. Record Drawings: Refer to General Conditions. Final Inspection will not be made until drawings are received and approved. Record Drawings shall include "As-Built" one-line and wiring diagrams, with terminations identified, wire color coding schedule, pullbox locations, and conduit routing plans.
- H. Guarantee:
 1. One firm to assume full responsibility for performance on all work of this section. Guarantee all equipment against defects in material and workmanship for three (3) years, and provide on-the-premises service during normal working hours for one year, at no cost to purchaser if trouble is not caused by misuse, abuse, or accident, or at current labor rates if so caused. Provide manufacturer's written three-year guarantee for equipment and parts.
 2. Service shall normally be available within 24 hours from service department of authorized distributor of manufacturer by factory trained servicemen.
 3. On-the-premises service at other than normal working hours to also be available, but labor charges for such calls to be paid by purchaser at current labor rates.
- I. Product Delivery, Storage and Handling:
 1. Ship equipment in original packages to prevent damage or entry of foreign matter. All handling shall be in accordance with manufacturer's recommendations. Provide protective covering during construction.
 2. Replace, at no expense to Owner, equipment or material damaged during storage or installation as directed by the Architect.

PART 2 - DETAIL REQUIREMENTS AND PRODUCTS

2.1 SYSTEM OPERATION

- A. Activation of any manual station, water flow switch, or automatic detector shall cause the sounding of all signals. In addition to sounding local alarm signals, operation of manual stations, water flow switch, or automatic detectors shall activate a relay for telephone leased line reporting to remote location via digital communicator. Digital communicator shall report alarm and trouble conditions.

Telephone company leased lines shall be arranged by the Owner.

- B. The system shall be electrically supervised against open circuits and grounds on the wiring to the alarm-initiating devices. An open or ground in the system shall cause a trouble signal to sound continuously until the system is restored to normal or until the signal is silenced by means of a cut-off switch. When the cut-off switch is thrown to the "off" position, a white pilot light shall be illuminated to show that the trouble signal is off. When the system is restored to normal operation, the trouble signal shall sound again and shall be silenced only by restoring the cut-off switch to its normal position, thereby also extinguishing the pilot light. Open and grounded circuits in the system shall not cause the sounding of false alarms. System shall be capable of initiating fire drill signal from master location. Fire drill signal shall not activate relay for remote reporting facilities.

2.2 STANDARD PRODUCTS

- A. Equipment and accessories furnished under the terms of these specifications shall be the standard products of a single manufacturer. All equipment shall be listed by U.L. and State Fire Marshal. Specifications are based on District standards.
- B. Manual Stations: Administrative manual and manual alarm-initiating devices shall be for semi-flush mounting, double action, open circuit manual stations located as shown on plans with addressable module. Each manual station shall have its own address.
- C. Fire Alarm Control Panel: Existing control unit is Siemens MXL. Opening main door shall expose all components for inspection or adjustment without further dismantling of the cabinet, control units, or wiring. All electrical components shall be modular.
 - 1. Provide audible trouble signal.
 - 2. Main source system shall operate on a 120 volt, 60-cycle, AC power unit.
 - 3. Auxiliary Source: Batteries shall be provided to operate the system under supervisory conditions for up to 72 hours after a power failure. Provide separate enclosure similar to control unit construction, if required.
 - 4. Control panel shall provide addressable and hardwired monitoring and control. The unit shall be programmable to meet user needs and code requirements. A backlit 80 character liquid crystal display shall be provided to display condition status.
 - 5. Control panel shall include modules for addressable initiation loops as required by the Drawings with a minimum of (2) spare addressable loops.

6. Control Panel shall include modules for alarm indicating appliance circuits necessary for devices provided in this project plus two (2) spare circuits and space for two (2) future circuits. Alarm circuits shall be field programmable to provide steady or "temporal pattern" alarm tones and it shall be possible to have both occur simultaneously on different circuits.
- D. Heat Detectors (Addressable): Shall be rate-of-rise type with test switch and tamperproof base.
- E. Duct Detectors: Shall be addressable photoelectric or ionization type. Coordinate requirements with mechanical plans.
- F. Smoke Detectors: Shall be addressable photoelectric type with test switch, LED status indicator, and tamperproof locking base.
- G. Addressable Modules: Shall provide an address for a group of normally open initiating devices.
 1. Monitor Module: TRI series.
 2. Output Module: TRI-R.
- H. Audible/Visual Devices: All fire alarm devices shall be U.L. listed and meet ADA requirements. All devices shall have a red finish. All fire alarm audible devices shall have the same basic sound and pattern and shall be ANSI S3.41.
 1. Fire Alarm Horns: Shall be semi-flush mounted with wall trim plate. Horns installed at exterior locations shall be provided with cast weatherproof boxes. All exposed parts of horn, boxes, and plates shall be finished with red enamel. Horns shall be Wheelock. Set horns at 99dBA.
 2. Combination Horn/Visual Alarm Indicating Devices: Shall be semi-flush mounted, high intensity Xenon flasher type with candela (cd) output specified on drawings. Wheelock as shown on plans. Set horn dBA at 99 dBA.
 3. Visual Fire Alarm Indicating Devices: Shall be semi-flush mounted, high intensity Xenon flasher type with candela (cd) output specified on drawings. Wheelock as shown on plans.
- I. Digital Communicator: Existing.
- J. Signal Extender Panel: Shall provide a minimum of four notification appliance circuits. Wheelock PS-8. Provide with 7.0Ah batteries.
- K. Electromagnetic door holders shall be recessed.

PART 3 - EXECUTION

3.1 REQUIREMENTS

- A. System shall be complete and operational in every respect.
- B. Provide certification of testing by local fire district.
- C. Label all zone cables at devices and junction boxes using E-Z Marker labels. Label all conduits leaving the fire alarm equipment in Administration Building with zone and circuit numbers with black ink. Label inside cover of device with zone and circuit number.
- D. Provide red lamecoid labels engraved with white letters indicating type of fire alarm main equipment i.e. "FATC-T", "RPS-T", etc.
- E. Fire alarm contractor shall provide services for alerting service technicians 24 hours-7 days a week-365 days of the year.
- F. Fire alarm contractor shall have a minimum of five years experience in installing fire alarm systems and shall show evidence of experience.

3.2 TEST AND REPORTS

- A. System test shall be performed only by an individual who has attended a manufacturer's training school for installation and testing the system as described above and shall provide evidence of certification from manufacturer. Testing of the system shall be performed with the test instruments as required by the manufacturer; testing by means other than the manufacturer's procedures will not be acceptable unless agreed to by the Owner, specifying engineer, and the manufacturer.
- B. Upon completion of the installation to the existing fire alarm system, a satisfactory test of the entire system shall be made in the presence of the enforcing agencies.

Reports Shall Include, But Not Be Limited To:

- 1. A complete list of equipment/devices installed.
- 2. Indications that all equipment/devices are properly installed and functions and conforms with these Specifications.
- 3. Test of all individual zones and devices.
- 4. List of serial numbers, locations by zone and device number, and model number for each detector installed.
- 5. List method of testing and smoke detectors.

6. Technician's name, company and date.
7. Complete Record Drawings of wiring and conduits.
8. Detailed catalog data on all installed components.
9. Copy of the test reports described above.
10. Sixty days prior to expiration of warranty, Contractor shall retest entire system as described above, and submit a test report of findings. All items covered by warranty shall be corrected immediately. Warranty remains in effect until 100% of defective items are corrected by Contractor.
11. Upon completion of the installation of fire alarm equipment, the electrical contractor shall provide to the architect, a signed written statement substantially in the form as follows:

THE UNDERSIGNED HAVING BEEN ENGAGED AS THE ELECTRICAL CONTRACTOR ON SKYLINE ELEMENTARY SCHOOL HVAC REPLACEMENT CONFIRMS THAT THE FIRE ALARM EQUIPMENT WAS INSTALLED IN ACCORDANCE WITH WIRING DIAGRAMS, INSTRUCTIONS AND DIRECTIONS PROVIDED TO US BY THE MANUFACTURER.

END OF SECTION

SECTION 09 72 16

Wall Coverings

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Surface preparation.
- B. Prime painting.
- C. Wall covering.
- D. Adhesives and accessories.

1.2 REFERENCES

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM D1308 - Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Coating Systems
- C. CFFA-3 - Chemical Fabrics and Film Association Quality Standard for Adhesion of Coating To Fabric.
- D. FS CCC-W-408 A and B - Wall Covering, Vinyl-Coated.
- E. UL - Underwriters Laboratories, Inc.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacturing commercial wall coverings with five years documented experience.
- B. Applicator: Company specializing in installing commercial wall coverings with five years documented experience.

1.4 REGULATORY REQUIREMENTS

- A. Conform to flame/smoke developed ratings of no more than 25/50 when tested according to ASTM E84 by UL.
- B. Each roll of material used shall have UL labels affixed thereto verifying tests.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Submit two 12" square samples of wall covering illustrating color, finish, and texture.
- C. Submit manufacturer's installation instructions under provisions of Section 01 33 00.
- D. Submit test reports verifying flame/smoke ratings.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and protect products under provisions of Section 01 87 00.
- B. Inspect roll materials on site to verify acceptance.
- C. Protect packaged adhesive from temperature cycling.
- D. Do not store roll goods on end.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Provide continuous ventilation and heating facilities to maintain substrate surface and ambient temperatures above 60°F, unless required otherwise by manufacturer's instructions.
- B. Do not apply adhesive when substrate surface temperature or ambient temperature is below 60°F or relative humidity is above 40%.
- C. Maintain these conditions 72 hours before, during, and after installation of wall covering.

1.8 EXTRA STOCK

- A. Provide 25 lineal feet of each pattern and color of wall covering under provisions of Section 01 77 00.
- B. Package and label each roll by manufacturer, color, and pattern, and designated room number; store where directed.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. MDC: "Bolta" brand., www.mdcwall.com
- B. Maharam Wallcoverings., www.maharam.com

- C. Koroseal Wallcoverings, koroseal.com
- D. Substitutions: Under provisions of Section 01 62 00.

2.2 MATERIALS

- A. Wall Covering: Vinyl fabric roll stock, conforming to FS CCC-W-408 A and B and CFFA 3 for Type II wallcovering and the following:
 - 1. Total Weight: 20.0 oz/lin yd.
 - 2. Roll Width: 54".
 - 3. Color: As selected by Architect. Color to match as close as possible to existing.
 - 4. Pattern: As selected by Architect. Pattern to match as close as possible to existing.
 - 5. Fire Rating, ASTM E84: Class A.
 - a. Flame Spread: 15.
 - b. Smoke Developed: 20.
 - 6. Stain Resistance (If Required): ASTM D1308, Method B: 24 hour exposure followed by washing with soap and water.

a. Ethanol	Pencil	Tea	10% Hydrochloric Acid
b. Vinegar	Mayonnaise	Milk	10% Sodium Hydroxide
c. Detergent	Bleach	Coca-Cola	Oleic Acid
d. Lemon Juice	Crayon	Pot Wine	10% Ammonia
e. Coffee	Ketchup	Hydrogen Peroxide	

2.3 ACCESSORIES

- A. Adhesive: Type recommended by wall covering manufacturer to suit application to substrate. Mildew-resistant, non-staining, and strippable.
- B. Substrate Filler: As recommended by adhesive and wall covering manufacturers; compatible with substrate.
- C. Substrate Primer and Sealer: As recommended by adhesive and wall covering manufacturer.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Verify that substrate surfaces are ready to receive Work, and conform to requirements of the wall covering manufacturer.
- B. Verify flatness tolerance of surfaces does not vary more than 1/8" in 10' nor vary at a rate greater than 1/16 inch/foot.
- C. Beginning of installation means acceptance of substrate.

3.2 PREPARATION

- A. Fill cracks and smooth irregularities with filler; sand smooth.
- B. Sand glossy surfaces. Shellac stains or marks which may bleed.
- C. Remove electrical and telephone wall plates, covers and wall mounted fixtures.
- D. Vacuum clean surfaces free of loose particles.
- E. Prime and seal substrate in accordance with manufacturer's recommendations. Apply surface sealer to gypsum drywall which will permit subsequent removal of wallcovering without damage to paper facing.

3.3 INSTALLATION

- A. Apply adhesive and wall covering in accordance with manufacturer's instructions.
- B. Apply adhesive to fabric surface immediately prior to application of wall covering.
- C. Use wall covering in roll number sequence.
- D. Register or reverse pattern of wall covering to insure color uniformity.
- E. Razor trim edges on flat work table. Do not razor cut on gypsum board surfaces.
- F. Apply wall covering smooth, without wrinkles, gaps or overlaps. Eliminate air pockets and ensure full bond to substrate surface. Butt edges tight.
- G. Horizontal seams are not acceptable.
- H. Do not seam within 6" of internal or external corners.
- I. Install wall covering before installation of bases, cabinets, hardware, or items attached to or spaced slightly from wall surface. Do not install wall covering more than 1/4" below top of resilient base.

- J. Cover spaces above and below windows, above doors, in sequence from roll.
- K. Where wall covering tucks into door frame reveals, or metal wallboard or plaster stops, apply covering with contact adhesive within 6" of wall covering termination. Ensure full contact bond.
- L. Remove excess wet adhesive from seam before proceeding to next wall covering sheet. Wipe clean with dry cloth.

3.4 CLEANING

- A. Clean wall coverings of excess adhesive, dust, dirt, and other contaminants.
- B. Replace wall plates and accessories removed prior to Work of this Section.

3.5 PROTECTION

- A. Protect finished installation under provisions of Section 01 87 00.

END OF SECTION